PERIODIC REVIEW REPORT
For the Period 7 February 2021 to 7 February 2026

For

ORANGE PLAZA SHOPPING CENTER
Middletown, New York
NYSDEC Site No. V00415

Prepared For:

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Submitted To:

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I. EXECUTIVE SUMMARY

On behalf of Middletown I Resources, L.P. (MIR), Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan), has prepared this Periodic Review Report (PRR) for the Orange Plaza Shopping Center located at New York State (NYS) Route 211, Middletown, New York. This PRR is for New York State Department of Environmental Conservation (NYSDEC) Site No. V00451 for the period 7 February 2021 to 7 February 2026.

A Voluntary Cleanup Agreement (VCA) was entered into by the NYSDEC and MIR on 12 March 2001. The VCA area is comprised of the footprint of the former Plaza Dry Cleaners and a part of the adjacent former landscaped area fronting the former mall (Figure 2). The VCA was executed because the area contained groundwater contaminated with several volatile organic compounds (VOC) at concentrations above the NYSDEC's *Technical and Administrative Guidance Memorandum* (TAGM) 4046 guidance levels.

II. SITE OVERVIEW

A. Site Location

The 0.1-acre deed restricted area identified as NYSDEC Site No. V00415 is situated within the Orange Plaza Shopping Center, which is located on the eastbound side of NYS Route 211, Middletown, New York (Figure 1). The area is comprised of the footprint of the former Plaza Dry Cleaners and a part of the adjacent former landscaped area fronting the former mall. The former Plaza Dry Cleaners was located on the first floor of the former mall near the northwestern entrance (Figure 2). It operated at the former mall under EPA ID NYD981566250 from 1987 to 1992. The mall was demolished in the fall of 2000 in preparation for redevelopment. The front façade of the new mall is set back approximately 200 feet from the former front façade. As a result, the VCA area was paved with asphalt and incorporated into the parking lot of the new Orange Plaza Shopping Center. In addition, redevelopment resulted in the grade being raised approximately three feet.

B. Project History

A 1999 investigation by Langan of the tenant space previously occupied by Plaza Dry Cleaners found no visual evidence of underground storage tanks, piping, or drains associated with dry cleaning operations. In addition, a review of databases maintained by the NYSDEC and the United States Environmental Protection Agency (EPA) revealed no compliance issues. The former Plaza Dry Cleaners was listed as a Resource Conservation and Recovery Act (RCRA) Large Quantity Generator of hazardous materials, but no violations were associated with its operation.

As part of a due diligence assessment, Langan completed a subsurface investigation on 7 September 2000. The investigation consisted of the advancement of two soil borings (B-1 and B-2) within the landscaped area adjacent to the northern exterior wall of the former Plaza Dry Cleaners. Each boring was advanced to bedrock, which was encountered at approximately ten feet below grade. Groundwater was not encountered during this investigation. Since there was no evidence of contamination (i.e., no elevated photo ionization detector (PID) readings, soil staining, sheen, odors, etc.), two soil samples were collected from each boring at depths of 5.5 to 6 feet below grade and 8.5 to 9 feet below grade for VOC analysis. The analytical results revealed that the shallow sample collected from boring B-1 contained tetrachloroethylene (PCE) at a concentration that exceeded the TAGM cleanup guidelines.

On 19 October 2000, Langan conducted an investigation to delineate the vertical and horizontal extents of the identified PCE soil contamination. Ten soil borings (D-1 through D-10) were advanced in the area surrounding boring B-1. Groundwater was not encountered during this phase of the investigation. The analytical results of the soil samples provided vertical and horizontal delineation of the PCE contamination, which was presumed to be limited to a five-foot by eight-foot area surrounding former soil-boring location B-1. The vertical extent of the PCE contamination was determined to extend to a depth slightly greater than six feet below grade, but less than eight and one-half feet below grade.

On 13 December 2000, under the on-site supervision of Langan and observed by NYSDEC representative Mr. Jim Schreyer, the PCE-contaminated soil was excavated. Six post-excavation soil samples (PE-1 through PE-6) were collected from the limits of the excavation at the direction of Mr. Schreyer. The analytical results revealed PCE was reported at concentrations above the TAGM cleanup guidelines in the samples collected from the eastern (PE-1) and southern (PE-2 and PE-3) sidewalls of the excavation.

Further excavation of the area was conducted on 29 December 2000 to remove the contaminated soil along the eastern and southern sidewalls. Ms. Tanya Reinhard of the NYSDEC provided field oversight. Due to the presence of a water line adjacent to soil sample location PE-1, an excavation was advanced on the opposite side of the water line to remove the PCE-contaminated soil. Soil was removed and screened with a PID until readings were at or below background. Two post-excavation soil samples (PE-8 and PE-9) were then collected from the sidewalls of the excavation. The analytical results of samples PE-8 and PE-9 revealed no exceedances of the TAGM cleanup guidelines.

On 3 January 2001 additional excavation was conducted to remove the PCE soil contamination that remained beneath the former mall's foundation. Specifically, the areas surrounding post-excavation soil sample locations PE-2 and PE-3 were to be excavated after a part of the concrete slab was removed. Soils were removed and screened with a PID until readings were at or below background. Post-excavation soil samples PE-10 through PE-17 were then collected from the limits of the excavation. The analytical results revealed no exceedances of the TAGM cleanup guidelines.

On 7 February 2002, under the on-site supervision of Langan and observed by NYSDEC representative Mr. George Heitzman, a subsurface investigation was conducted to further assess the soils in the area of the former Plaza Dry Cleaners. The investigation consisted of the collection of 12 soil samples from six borings and the collection of a groundwater sample from a temporary well point. Three soil boreholes (LB-1, LB-4, and LB-6) were

advanced within the former footprint of the dry cleaner, and three soil boreholes (LB-2, LB-3, and LB-5) were advanced in the former landscaped area adjacent to the northern exterior wall of the dry cleaners. The analytical results revealed no exceedances of the TAGM cleanup guidelines. Based on these results, Langan concluded that no further action was warranted for the soils.

During the 7 February 2002 investigation, groundwater was encountered within soil boring location LB-5 at a depth of approximately seven feet below grade. Borehole LB-5 was the only borehole in which groundwater was encountered. As requested by NYSDEC, a temporary well point was installed at borehole LB-5 and a groundwater sample (GW-5) was collected for VOC analysis. The analytical results of sample GW-5 revealed five exceedances of the NYSDEC Ambient Water Quality Standards 6NYCRR Part 703. Sample GW-5 contained vinyl chloride, total 1,2-dichloroethene, trichloroethene (TCE), PCE, and xylenes at concentrations above their respective TAGM Water Quality Standards (WQS).

Because groundwater was not encountered during any of the previous phase of investigations or excavations, most of which were completed to bedrock, Langan concluded that the water encountered in LB-5 was perched water and not true groundwater. This conclusion was based on the fact that LB-5 was located within the excavation that formerly contained the PCE-contaminated soil. This excavation, a result of the December 2000/January 2001 remediation, was completed to bedrock and left open until late January 2001. Prior to the excavation being backfilled, precipitation had accumulated within the excavation and did not percolate into the surrounding soils or bedrock. When the excavation was finally backfilled, the precipitation was not pumped out. Consequently, Langan believes that the water collected for sample GW-5 was not true groundwater, but rather perched water that collected within the open excavation. Therefore, the contamination found in GW-5 cannot be directly linked to the operation of the former Plaza Dry Cleaners.

Nevertheless, because of the identified groundwater contamination, the NYSDEC requested that a permanent monitoring well be installed in the location of former temporary well point GW-5. On 14 August 2002, monitoring well MW-1 was installed to a depth of about 13 feet below grade, which is immediately above bedrock.

The analytical results of the initial groundwater sampling event, which was conducted on 28 August 2002, revealed vinyl chloride, total 1,2-dichloroethene, TCE, PCE, and xylenes were reported at concentrations that exceeded the WQS. These are the same five compounds that were detected in the groundwater sample collected from temporary well point GW-5. In addition, the concentrations reported during the August 2002 event were similar to those reported in sample GW-5, which was collected in February 2002.

A second sampling event was conducted on 20 November 2002. The analytical results revealed the same five compounds were reported at concentrations above the WQS; however, the reported concentrations for all five compounds were slightly lower than the ones reported during the previous two sampling events.

A 21 October 2003 *Operating, Monitoring, and Maintenance Work Plan* (OM&M Work Plan) prepared by Langan and approved by NYSDEC called for the sampling of MW-1 for VOCs on an annual basis. In accordance with the OM&M Work Plan, monitoring well MW-1 was sampled on 13 November 2003 and 16 November 2004. The analytical results of both sampling events revealed that only vinyl chloride, total 1,2-dichloroethene, and PCE were reported at concentrations that exceeded the TAGM WQS. On 2 February 2006, the NYSDEC issued a Release and Covenant Not to Sue to MIR for VCA Site No. V00451.

A 1 March 2016 PRR was submitted to the NYSDEC that summarized the work conducted at the site from February 2011 to February 2016. It included the results of a 23 February 2016 groundwater sampling event, which revealed vinyl chloride, total 1,2-dichloroethene, TCE, and PCE were reported at concentrations that exceeded the WQS. A 1 March 2021 PRR was

submitted to the NYSDEC that summarized the work conducted at the site from February 2016 to February 2021. Groundwater sampling during this period revealed vinyl chloride, total 1,2-dichloroethene, and TCE were reported at concentrations that exceeded the WQS. The concentrations of all five compounds decreased during this period. In fact, PCE, a common dry-cleaning solvent, came into compliance with the WQS during this period.

In accordance with the OM&M Work Plan, a groundwater sampling event is conducted every 15 months. The sampling events summarized in this PRR were conducted in May 2022, August 2023, November 2024, and February 2026. The historical analytical results of the samples collected from MW-1 are summarized on Table 1 and graphed on Figure 3. The groundwater parameters collected during the sampling events are provided in Appendix B and the laboratory reports are provided in Appendix C. The table below summarizes the exceedances of the TAGM WQS reported in the samples collected from MW-1 and the former temporary well point GW-5, which was situated in the area of MW-1.

Historic VOC Groundwater Results

WELL	DATE	UNITS	cis-1,2-Dichloroethene (Total)	Tetrachloroethene	Trichloroethene	Vinyl chloride	Xylenes (Total)
NYSDEC AMBIENT WQS (ug/L)			5	5	5	2	5
GW-5	02/07/02	ug/L	**45**	**61**	**16**	**63**	5
MW-1	08/28/02		**47**	**64**	**13**	**49**	**10**
	11/20/02		**41**	**54**	**10**	**37**	**8**
	11/13/03		**27**	**25**	4	**22**	5
	11/16/04		**8**	**12**	2	**5**	ND
	02/23/16		**80**	**9.4**	**30**	**70**	ND
	05/01/17		**51.2**	**8.7**	**37**	**38**	ND
	08/28/18		**20.2**	ND	**6.8**	**21**	ND
	11/19/19		**38**	2.3	**6.9**	**51**	ND
	02/09/21		**36**	2.7	**5.4**	**37**	ND
	05/11/22		**6.4**	ND	1.8	**6**	ND
	08/08/23		**13.9**	ND	**5.2**	**16**	ND
	11/12/24		**44**	2.5	**5.7**	**39**	ND
	02/02/26		3.2	ND	ND	ND	ND

Note: Yellow Highlight = Concentration exceeds NYSDEC Standard
ND = Not Detected above laboratory reporting limit.

III. EVALUATE REMEDY PERFORMANCE, EFFECTIVENESS, AND PROTECTIVENESS

Based on the groundwater results collected from 2002 to 2004, Langan concluded that bio-degradation was taking place within the area of MW-1. Based on the results of the 2026 sampling event, the concentrations of VOCs in the sample collected from MW-1 were below the NYSDEC's WQS (Figure 3). This is the first time the sample collected from MW-1 was compliant with the WQS. As such, in accordance with the 21 October 2003 OM&M Work Plan, the next scheduled sampling event will take place in May 2027. If the concentrations of VOCs in the sample collected from MW-1 are once again compliant with the WQS, then a request will be made to terminate the monitoring program, properly abandon MW-1, and lift the institutional controls. As shown in Figure 4, the collection of a sample in May 2027 will account for any seasonal fluctuations in the groundwater table that may affect the sample results.

IV. IC/EC PLAN COMPLIANCE REPORT

A 2 February 2006 *Declaration of Covenants and Restrictions* restricts the use of the property to industrial/commercial and prohibits the use of groundwater without treatment that is acceptable to the county health department.

Since the establishment of the 2 February 2006 *Declaration of Covenants and Restrictions*, property use has remained unchanged (i.e., a shopping center) and no potable wells have been installed on the property. Engineering controls were never employed at the property as part of the remedial activities. The restrictions are operating as intended; therefore, no corrective measures or changes are recommended. An Institutional and Engineering Controls Certification Form is provided in Appendix A.

In accordance with NYSDEC guidance, the following statement has been included for the institutional control employed at the site; MIR certifies that all the following statements are true:

- The institutional control employed at this site is unchanged from the date the control was put in place, or last approved by the Department;
- Nothing has occurred that would impair the ability of the control to protect the public health and environment;
- Nothing has occurred that would constitute a violation or failure to comply with any site management plan for this control;
- Access to the site will continue to be provided to the Department to evaluate the remedy, including access to evaluate the continued maintenance of this control;
- If a financial assurance mechanism is required under the oversight document for the site, the mechanism remains valid and sufficient for the intended purpose under the document;
- Use of the site is compliant with the environmental easement: and,
- The information presented in this report is accurate and complete.

MIR certifies that all information and statements in this certification are true. MIR understands that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. Middletown I Resources, L.P. of New York, New York certifies as Owner for the site.

MIR Representative Signature

Noel Mannion
MIR Representative Name

V. MONITORING PLAN COMPLIANCE REPORT

A 21 October 2003 OM&M Work Plan was approved by NYSDEC. MIR will continue the groundwater sampling in accordance with the approved-OM&M Work Plan, with the next sampling event taking place in May 2027.

VI. OPERATION & MAINTENANCE PLAN COMPLIANCE REPORT

The remedy for this site did not require active remediation or engineering controls, therefore, an *Operation & Maintenance Plan* was not required.

VII. OVERALL PRR CONCLUSIONS AND RECOMMENDATIONS

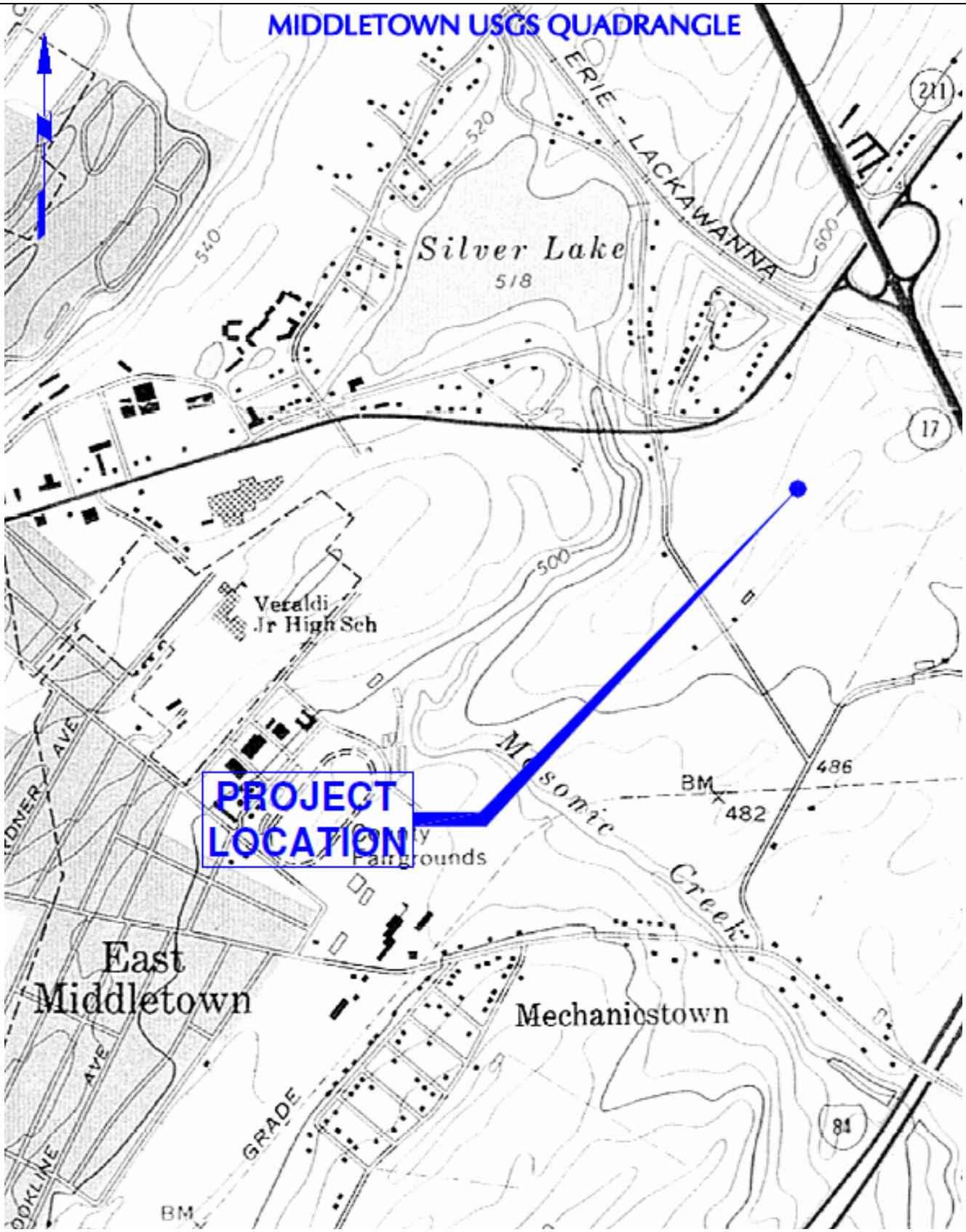
The 2 February 2006 *Declaration of Covenants and Restrictions* restricting the use of the property to industrial/commercial and prohibiting the use of groundwater without treatment that is acceptable to the county health department remains an effective remedy for the identified contamination. No changes or corrective actions are recommended at this time. The next PRR is due in March 2031.

TABLE 1
Former Orange Plaza Mall
Historical Groundwater Sample Results - MW-1
Middletown, New York

CLIENT ID:	**NYSDEC**	GW-5	MW-1	MW-1	MW-1	MW-1	MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1		MW-1	
LAB ID:	**Ambient**		372259	392566	392566	585600	AC89814-001		AC97627-001		AD06203-001		AD14223-001		AD21706-001		AD30710-001		AD39676-001		AD48093-001		AD58020-001	
COLLECTION DATE:	**Water**	2/7/2002	8/28/2002	11/20/2002	11/13/2003	11/16/2004	2/23/2016		5/1/2017		8/28/2018		11/19/2019		2/9/2021		5/11/2022		8/8/2023		11/12/2024		2/2/2026	
SAMPLE MATRIX:	**Quality**	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous	Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous	
SAMPLE UNITS:	**Standards**	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
VOLATILE ORGANIC COMPOUNDS	ug/L	Result	Result	Result	Result	Result	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
:TotalVolatileTic	NA		75	26.3	40	27			15.0J	NA	ND	NA	ND	NA	ND	NA	ND	NA	3.6J	NA	8.0J	NA	ND	NA
1,1,1-Trichloroethane	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	0.5
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2,3-Trichlorobenzene	NA								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2,4-Trichlorobenzene	5								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromo-3-chloropropane	0.04								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromoethane	5	ND	ND	ND	ND	ND	ND	0.5	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	3								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	0.6								ND	0.5	ND	0.5	ND	0.5	ND	0.64	ND	0.66	ND	1.0	ND	0.51	ND	1.0
1,2-Dichloropropane	1	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	3								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	3								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dioxane	5								ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50
2-Butanone	50	ND	7 J	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	2.5	1.0
2-Hexanone	50	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
4-Methyl-2-pentanone	NA	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	2.3	1.0
Acetone	50	28	37	30	ND	ND	ND	5	ND	5	ND	5	ND	5	ND	5.0	ND	5.0	ND	5.0	11	5.0	14	5.0
Benzene	1	ND	ND	ND	ND	ND	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.5
Bromochloromethane	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	50								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	0.5
Bromoform	50	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon disulfide	50	ND	1 J	ND	3 J	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	7	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	2.0	ND	2.0	ND	5.0	ND	1.0	ND	5.0
Chloromethane	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,2-Dichloroethene (Total)	5	**45**	**47**	**41**	**27**	**8** J	**80**	1	**51.2**	1	**20.2**	1	**38**	1	**36**	1.0	**6.4**	1.0	**13.9**	1.0	**44**	1.0	3.2	1.0
cis-1,2-Dichloroethene	5						**68**	1	**43**	1	**16**	1	**19**	1	**15**	1.0	3.8	1.0	**8.6**	1.0	**12**	1.0	1.6	1.0
cis-1,3-Dichloropropene	cis+trans =0.4	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cyclohexane	NA								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	50	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dichlorodifluoromethane	5								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	5	1 J	1 J	1 J	0.8 J	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Isopropylbenzene	5								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
m&p-Xylenes	5						ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methyl Acetate	NA								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylcyclohexane	NA								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methyl-t-butyl ether	NA								ND	0.5	ND	0.5	ND	0.5	ND	0.50	ND	0.87	ND	0.87	ND	0.53	ND	0.53
o-Xylene	5						ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Styrene	5	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	5	**61**	**64**	**54**	**25**	**12**	**9.4**	1	**8.7**	1	ND	1	2.3	1	2.7	1.0	ND	1.0	ND	1.0	2.5	1.0	ND	1.0
Toluene	5	0.7 J	1 J	0.7 J	0.8 J	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	5						**12**	1	**8.2**	1	4.2	1	**19**	1	**21**	1.0	2.6	1.0	**5.3**	1.0	**32**	1.0	1.6	1.0
trans-1,3-Dichloropropene	cis+trans =0.4	ND	ND	ND	ND	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	5	**16**	**13**	**10**	4 J	2 J	**30**	1	**37**	1	**6.8**	1	**6.9**	1	**5.4**	1.0	1.8	1.0	**5.2**	1.0	**5.7**	1.0	ND	1.0
Trichlorofluoromethane	5								ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	2	**63**	**49**	**37**	**22**	**5** J	**70**	1	**38**	1	**21**	1	**51**	1	**37**	1.0	**6**	1.0	**16**	1.0	**39**	1.0	ND	1.0
Xylenes (Total)	5	5 J	**10**	**8** J	5 J	ND	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0

TABLE 2
Former Orange Plaza Mall
Historical QA/QC Sample Results
Middletown, New York

CLIENT ID:	NYSDEC	FB		TB		FB20170501		TB20170501		FB20180828		TB20180828		FB20191119		TB20191119		FB20210209		TB20210209		TB		FB20230808		FB20241112		TB20241112		FB-20260202		TB-20260202	
LAB ID:	Ambient	AC89814-002		AC89814-003		AC97627-002		AC97627-003		AD06203-002		AD06203-003		AD14223-002		AD14223-003		AD21706-002		AD21706-003		AD39676-002		AD39676-003		AD48093-002		AD48093-003		AD58020-002		AD58020-003	
COLLECTION DATE:	Water	2/23/2016		2/3/2016		5/1/2017		5/1/2017		8/28/2018		8/27/2018		11/19/2019		11/18/2019		2/9/2021		2/9/2021		8/8/2023		8/8/2023		11/12/2024		11/12/2024		2/2/2026		2/2/2026	
SAMPLE MATRIX:	Quality	Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous		Aqueous	
SAMPLE UNITS:	Standards	ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L		ug/L	
VOLATILE ORGANIC COMPOUNDS	ug/L	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
:TotalVolatileTic	NA	NA		NA		ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA
1,1,1-Trichloroethane	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2,2-Tetrachloroethane	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	5					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1,2-Trichloroethane	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	0.5	ND	0.5
1,1-Dichloroethane	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,1-Dichloroethene	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2,3-Trichlorobenzene	NA					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2,4-Trichlorobenzene	5					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromo-3-chloropropane	0.04					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dibromoethane	5					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichlorobenzene	3					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,2-Dichloroethane	0.6	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	0.50	ND	0.50	ND	0.64	ND	0.64	ND	1.0	ND	1.0	ND	0.51	ND	0.51	ND	1.0	ND	1.0
1,2-Dichloropropane	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,3-Dichlorobenzene	3					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dichlorobenzene	3					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
1,4-Dioxane	5					ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50	ND	50
2-Butanone	50	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
2-Hexanone	50	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
4-Methyl-2-pentanone	NA	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Acetone	50	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5	ND	5.0	ND	5.0	ND	5.0	ND	5.0	7.2	5.0	ND	5.0	ND	5.0	6.4	5.0	ND	5.0	6.4	5.0
Benzene	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50
Bromochloromethane	5					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromodichloromethane	50	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	0.5	ND	0.5
Bromoform	50	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Bromomethane	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon disulfide	50	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Carbon tetrachloride	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chlorobenzene	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroethane	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Chloroform	7	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	2.0	ND	2.0	ND	5.0	ND	5.0	ND	1.0	ND	1.0	ND	5.0	ND	5.0
Chloromethane	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,2-Dichloroethene (Total)	5																																
cis-1,2-Dichloroethene	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
cis-1,3-Dichloropropene	cis+trans =0.4	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Cyclohexane	NA					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dibromochloromethane	50	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Dichlorodifluoromethane	5					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Ethylbenzene	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Isopropylbenzene	5					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
m&p-Xylenes	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methyl Acetate	NA	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylcyclohexane	NA					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methylene chloride	5					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Methyl-t-butyl ether	NA					ND	1	ND	1	ND	1	ND	1	ND	0.50	ND	0.50	ND	0.50	ND	0.50	ND	0.87	ND	0.87	ND	0.53	ND	0.53	ND	0.53	ND	0.53
o-Xylene	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Styrene	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Tetrachloroethene	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Toluene	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,2-Dichloroethene	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
trans-1,3-Dichloropropene	cis+trans =0.4	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichloroethene	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Trichlorofluoromethane	5					ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Vinyl chloride	2	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0
Xylenes (Total)	5	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0	ND	1.0



Langan

Engineering & Environmental Services

- PARSIPPANY, NJ – NEW YORK, NY – MIAMI, FL – PHILADELPHIA, PA –
- DOYLESTOWN, PA – NEW HAVEN, CT -

Site Location Map

Orange Plaza Shopping Center
Middletown, New York

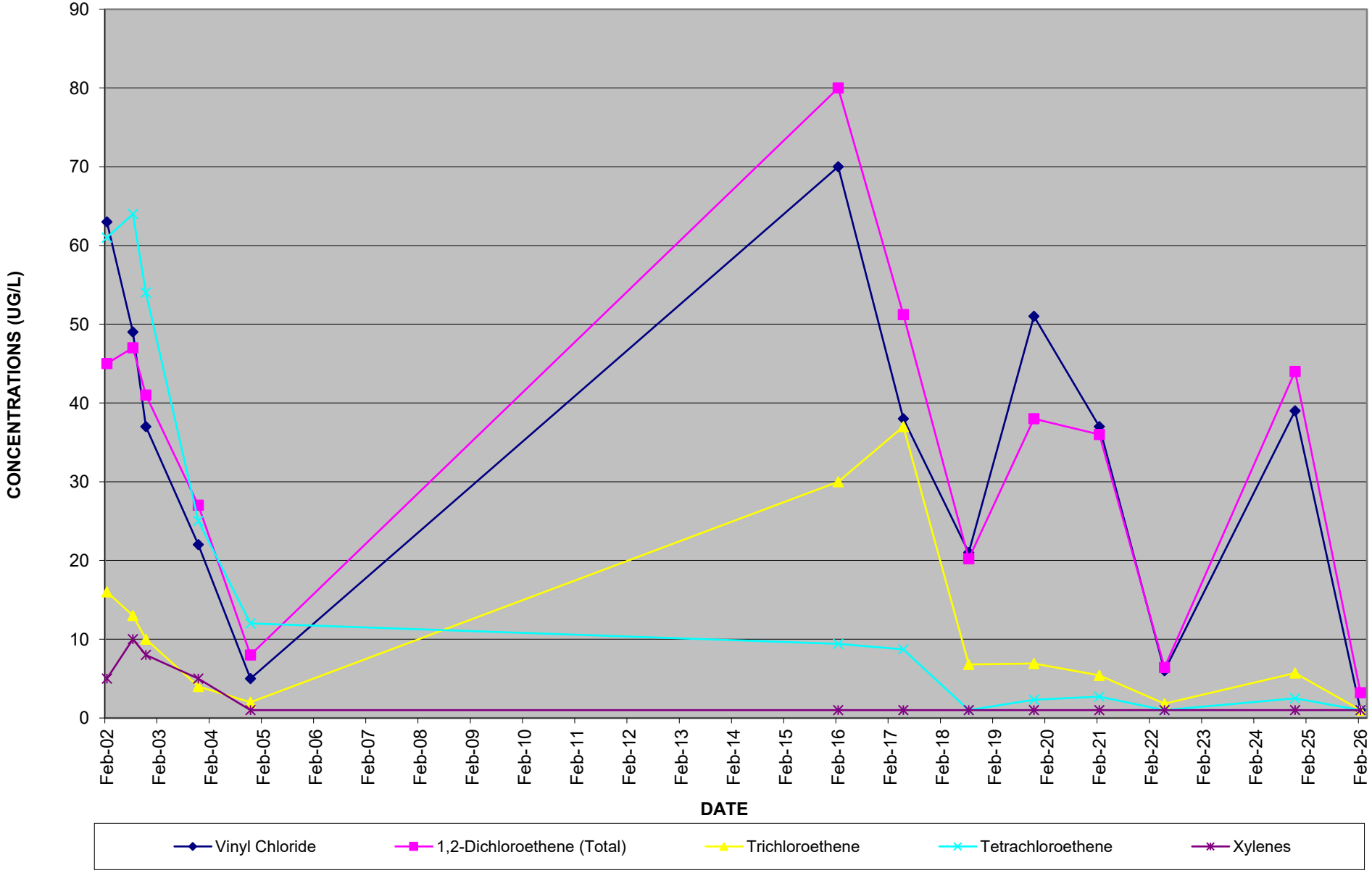
Project	SCALE: **NTS**	DATE **2003**	**Figure 1**
1691901			

Langan
Engineering and Environmental Services
300 Kimball Drive
Parsippany, NJ 07054
Phone: (973) 560-4900
Fax: (973) 560-4901
langan.com

• Doylestown, PA
• Miami, FL
• New Haven, CT
• New York, NY
• Philadelphia, PA

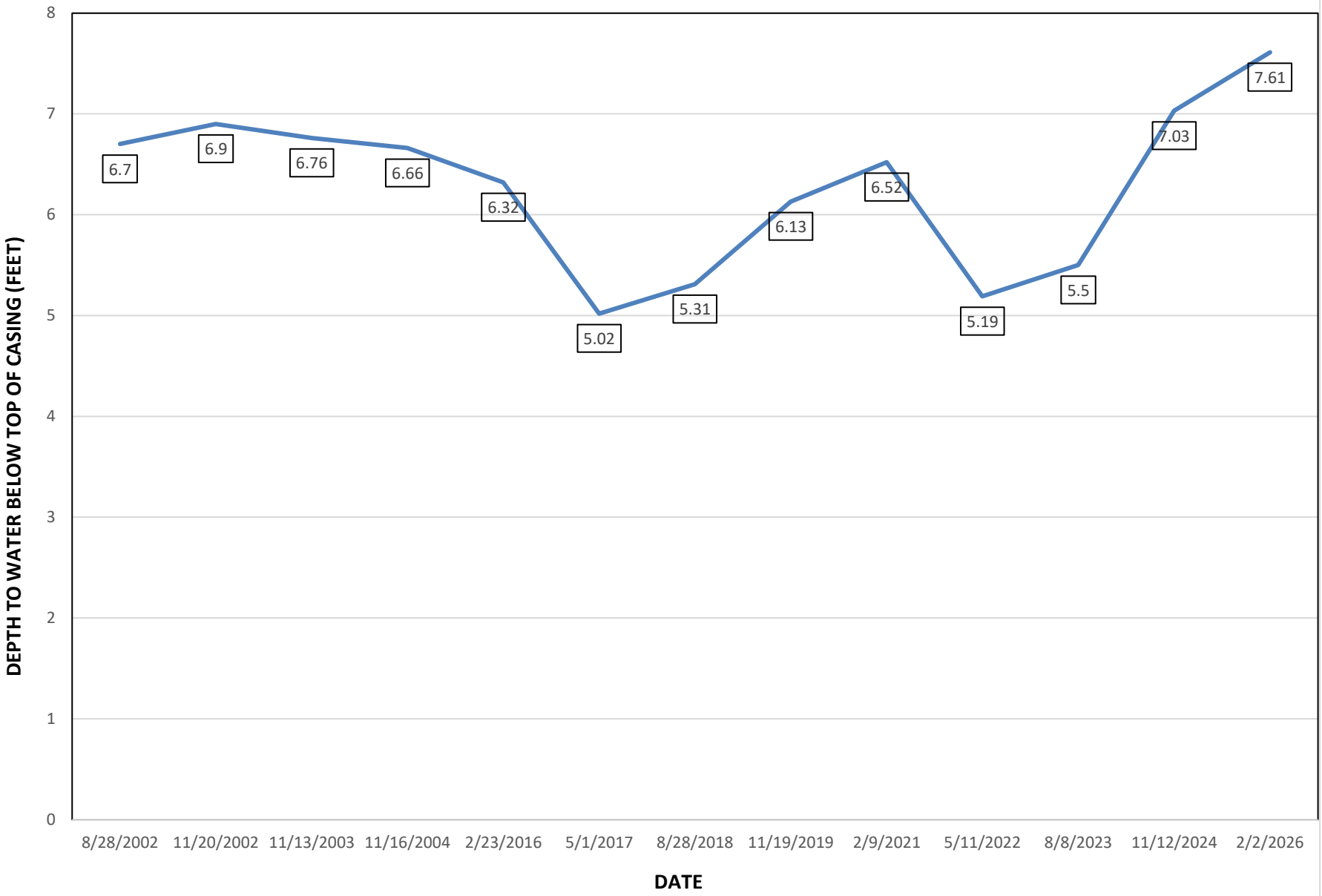
Project	Drawing Title		Drawing No.
FORMER ORANGE PLAZA DRY CLEANER WALLKILL NEW YORK	VCA AREA	Job No. 1691901 Date 5/23/01 Scale 1" = 60' Drn. By KM RYK Chkd. By B.K.	2

FIGURE 3: VOA TRENDS FOR MW-1



NOTE: A RESULT OF "NOT DETECTED" WAS REPLACED WITH THE LABORATORY REPORTING LIMIT.

FIGURE 4: HISTORCIAL DEPTH TO GROUNDWATER FOR MW-1



APPENDIX A

Institutional and Engineering Controls Certification Form

NEW YORK STATE | Department of Environmental Conservation

KATHY HOCHUL
Governor
AMANDA LEFTON
Commissioner

01/20/2026

Noel T. Mannion
Executive V.P. Of Property Operations
National Realty & Developmnt Corp.
3 Manhattanville Road
Suite 202
Purchase, NY 10577
noel.mannion@nrdc.com

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: Orange Plaza Shopping Center
Site No.: V00415
Site Address: 444-480 Dunning Farm Road East
Wallkill, NY 12589-

Dear Noel T. Mannion:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **April 06, 2026**. Guidance on the content of a PRR is enclosed.

Site Management is defined in regulation (6 NYCRR 375-1.2(at)) and in Chapter 6 of DER-10. Depending on when the remedial program for your site was completed, SM may be governed by multiple documents (e.g., Operation, Maintenance, and Monitoring Plan; Soil Management Plan) or one comprehensive Site Management Plan.

A Site Management Plan (SMP) may contain one or all of the following elements, as applicable to the site: a plan to maintain institutional controls and/or engineering controls ("IC/EC Plan"); a plan for monitoring the performance and effectiveness of the selected remedy ("Monitoring Plan"); and/or a plan for the operation and maintenance of the selected remedy ("O&M Plan"). Additionally, the technical requirements for SM are stated in the decision document (e.g., Record of Decision) and, in some cases, the legal agreement directing the remediation of the site (e.g., order on consent, voluntary agreement, etc.).

When you submit the PRR (by the due date above), include the enclosed forms documenting that all SM requirements are being met. The Institutional Controls (ICs) portion of the form (Box 6) must be signed by you or your designated representative. If you cannot certify that all SM requirements are being met, you must submit a Corrective Measures Work Plan that identifies the actions to be taken to restore compliance. The work plan must include a schedule to be approved by the Department. The Periodic Review process will not be considered complete until all necessary corrective measures are completed and all required controls are certified. Instructions for completing the certifications are enclosed.

All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager by contacting the project manager for a link to DEC's file transfer service.

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Matthew Hubicki, the Project Manager, at 518-402-9605 or matthew.hubicki@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway
Albany, NY 12233-7014

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

ec: w/ enclosures
Matthew Hubicki, Project Manager

Kerry Maloney, Section Chief
Steven McCague, Hazardous Waste Remediation Supervisor, Region 3

langan engineering and environmental services - keith mcPartland, LSRP - kmcpartland@langan.com

The following parcel owner did not receive an ec:
Middletown I Resources Lp - Parcel Owner

Enclosure 1

Certification Instructions

I. Verification of Site Details (Box 1 and Box 2):

Answer the three questions in the Verification of Site Details Section. The Owner and/or Qualified Environmental Professional (QEP) may include handwritten changes and/or other supporting documentation, as necessary.

II. Certification of Institutional Controls/ Engineering Controls (IC/ECs)(Boxes 3, 4, and 5)

1.1.1. Review the listed IC/ECs, confirming that all existing controls are listed, and that all existing controls are still applicable. If there is a control that is no longer applicable the Owner / Remedial Party should petition the Department separately to request approval to remove the control.

2. In Box 5, complete certifications for all Plan components, as applicable, by checking the corresponding checkbox.

3. If you cannot certify "YES" for each Control listed in Box 3 & Box 4, sign and date the form in Box 5. Attach supporting documentation that explains why the **Certification** cannot be rendered, as well as a plan of proposed corrective measures, and an associated schedule for completing the corrective measures. Note that this **Certification** form must be submitted even if an IC or EC cannot be certified; however, the certification process will not be considered complete until corrective action is completed.

If the Department concurs with the explanation, the proposed corrective measures, and the proposed schedule, a letter authorizing the implementation of those corrective measures will be issued by the Department's Project Manager. Once the corrective measures are complete, a new Periodic Review Report (with IC/EC Certification) must be submitted within 45 days to the Department. If the Department has any questions or concerns regarding the PRR and/or completion of the IC/EC Certification, the Project Manager will contact you.

III. IC/EC Certification by Signature (Box 6 and Box 7)**:**

If you certified "YES" for each Control, please complete and sign the IC/EC Certifications page as follows:

- For the Institutional Controls on the use of the property, the certification statement in Box 6 shall be completed and may be made by the property owner or designated representative.

- For the Engineering Controls, the certification statement in Box 7 must be completed by a Professional Engineer or Qualified Environmental Professional, as noted on the form.

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00415**

Site Name Orange Plaza Shopping Center

Site Address: 444-480 Dunning Farm Road East Zip Code: 12589-
City/Town: Wallkill
County: Orange
Site Acreage: 0.100

444-470 Route 211 East
Middletown NY 10940

Reporting Period: March 07, 2021 to March 07, 2026

	YES	NO
1. Is the information above correct?	☐	☒
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
7. Are all ICs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. V00415 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
50-2-63	Middletown I Resources LP	Ground Water Use Restriction Landuse Restriction

Declaration of Covenants and Restrictions restricts use of property to industrial/commercial and prohibits use of groundwater without treatment acceptable to county health department.

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

   (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

_____ _____

Signature of Owner, Remedial Party or Designated Representative — Date

IC CERTIFICATIONS
SITE NO. V00415

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Noel T. Mannion (print name) at Middletown I Resarces, LP c/o National Realty + Development Corp., 225 Liberty Street, 31st Floor, NY NY 10281 (print business address),

am certifying as Executive Vice President (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

2/12/26
Date

EC CERTIFICATIONS

Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I _____ at _____,
print name print business address

am certifying as a for the _____
(Owner or Remedial Party)

_____ _____ _____
Signature of , for the Owner or Remedial Party, Rendering Certification | Stamp (Required for PE) | Date

Enclosure 3
Periodic Review Report (PRR) General Guidance

I. Executive Summary: (1/2-page or less)
   A. Provide a brief summary of site, nature and extent of contamination, and remedial history.
   B. Effectiveness of the Remedial Program - Provide overall conclusions regarding;
      1. progress made during the reporting period toward meeting the remedial objectives for the site
      2. the ultimate ability of the remedial program to achieve the remedial objectives for the site.
   C. Compliance
      1. Identify any areas of non-compliance regarding the major elements of the Site Management Plan (SMP, i.e., the Institutional/Engineering Control (IC/EC) Plan, the Monitoring Plan, and the Operation & Maintenance (O&M) Plan).
      2. Propose steps to be taken and a schedule to correct any areas of non-compliance.
   D. Recommendations
      1. recommend whether any changes to the SMP are needed
      2. recommend any changes to the frequency for submittal of PRRs (increase, decrease)
      3. recommend whether the requirements for discontinuing site management have been met.

II. Site Overview (one page or less)
   A. Describe the site location, boundaries (figure), significant features, surrounding area, and the nature and extent of contamination prior to site remediation.
   B. Describe the chronology of the main features of the remedial program for the site, the components of the selected remedy, cleanup goals, site closure criteria, and any significant changes to the selected remedy that have been made since remedy selection.

III. Evaluate Remedy Performance, Effectiveness, and Protectiveness
   Using tables, graphs, charts and bulleted text to the extent practicable, describe the effectiveness of the remedy in achieving the remedial goals for the site. Base findings, recommendations, and conclusions on objective data. Evaluations and should be presented simply and concisely.

IV. IC/EC Plan Compliance Report (if applicable)
   A. IC/EC Requirements and Compliance
      1. Describe each control, its objective, and how performance of the control is evaluated.
      2. Summarize the status of each goal (whether it is fully in place and its effectiveness).
      3. Corrective Measures: describe steps proposed to address any deficiencies in ICECs.
      4. Conclusions and recommendations for changes.
   B. IC/EC Certification
      1. The certification must be complete (even if there are IC/EC deficiencies), and certified by the appropriate party as set forth in a Department-approved certification form(s).

V. Monitoring Plan Compliance Report (if applicable)
   A. Components of the Monitoring Plan (tabular presentations preferred) - Describe the requirements of the monitoring plan by media (i.e., soil, groundwater, sediment, etc.) and by any remedial technologies being used at the site.
   B. Summary of Monitoring Completed During Reporting Period - Describe the monitoring tasks actually completed during this PRR reporting period. Tables and/or figures should be used to show all data.
   C. Comparisons with Remedial Objectives - Compare the results of all monitoring with the remedial objectives for the site. Include trend analyses where possible.
   D. Monitoring Deficiencies - Describe any ways in which monitoring did not fully comply with the monitoring plan.
   E. Conclusions and Recommendations for Changes - Provide overall conclusions regarding the monitoring completed and the resulting evaluations regarding remedial effectiveness.

VI. Operation & Maintenance (O&M) Plan Compliance Report (if applicable)
   A. Components of O&M Plan - Describe the requirements of the O&M plan including required activities, frequencies, recordkeeping, etc.
   B. Summary of O&M Completed During Reporting Period - Describe the O&M tasks actually completed during this PRR reporting period.
   C. Evaluation of Remedial Systems - Based upon the results of the O&M activities completed, evaluated

the ability of each component of the remedy subject to O&M requirements to perform as designed/expected.

D. O&M Deficiencies - Identify any deficiencies in complying with the O&M plan during this PRR reporting period.

E. Conclusions and Recommendations for Improvements - Provide an overall conclusion regarding O&M for the site and identify any suggested improvements requiring changes in the O&M Plan.

VII. Overall PRR Conclusions and Recommendations

A. Compliance with SMP - For each component of the SMP (i.e., IC/EC, monitoring, O&M), summarize;
   1. whether all requirements of each plan were met during the reporting period
   2. any requirements not met
   3. proposed plans and a schedule for coming into full compliance.

B. Performance and Effectiveness of the Remedy - Based upon your evaluation of the components of the SMP, form conclusions about the performance of each component and the ability of the remedy to achieve the remedial objectives for the site.

C. Future PRR Submittals
   1. Recommend, with supporting justification, whether the frequency of the submittal of PRRs should be changed (either increased or decreased).
   2. If the requirements for site closure have been achieved, contact the Departments Project Manager for the site to determine what, if any, additional documentation is needed to support a decision to discontinue site management.

VIII. Additional Guidance

Additional guidance regarding the preparation and submittal of an acceptable PRR can be obtained from the Departments Project Manager for the site.

APPENDIX B

Groundwater Sampling Parameters

GROUND WATER SAMPLE FIELD PARAMETER MEASUREMENTS

Site: Orange Plaza	**Location:**	Middletown, NJ	**Job No.:**	100571501	
Date: 05/11/2022	**Weather:**	65°F sunny	**Sampling Crew:**	NH	

Well Information		**Purging Information**	
Well ID	MW-1	Purging Method	Peri Pump
Well Depth (ft)	12.50	Purging Rate (gpm)	0.1 gpm
Screened Interval (ft)	–	Start Purge Time	1230
Casing Elevation (msl)	–	End Purge Time	1300
Casing Diameter (in)	2"	Volume Purged (gal)	3 gal
Depth to Water (ft)	5.19		
Water Elevation (msl)	–	**Sampling Information**	
Casing Volume (gal)	0.99	Sampling Method	3 volume Purge
Volume factor (gal/ft)	0.1356	Start Sampling Time	1330
PID/FID Reading (ppm)	0.0	End Sampling Time	1335
		Depth to Water Before Sampling (ft)	5.25
		Sample No.:	MW-1

Parameters	Before Purging	After Purging	At Sampling
	TVA >1000	21.9	20.0
Depth to Water (ft)	5.19	5.27	5.25
Temperature (°C)	18.08	20.16	20.35
pH (std. units)	8.44	9.42	9.37
Specific Conductance (uS)	7.22	4.22	4.17 (mS/cm)
Dissolved Oxygen (%/ppm)	0.71	1.51	1.50 mg/L
ORP (mV)	-120	30	17
~~Depth to Water (ft)~~			

Silky, blackish, rotten odor

NOTES/REMARKS

Clear, no odor

Clear, no odor

1. Record initial PID, DTW, DTB measurements.
2. Calculate 3 well volume - see calculation below
3 Well Volumes = 3 x Volume Factor x (DTB-DTW)
3. Begin purging temp well with peri pump
3a. Collect 'Before Purging' Parameters with horiba
4. Purge 3 well volumes of GW
4a. Collect 'After Purging' Parameters with horiba
5. Allow water level to recover to 90% of initial reading - See calculation below
90% Recovery DTW = DTB - (0.90 x (DTB - DTW$_i$)
6. Sample well with a bailer
6a. Collect 'After Sampling' Parameters with horiba
7. Abandon temp well location

1 volume = 0.1356 gal/ft x (12.5 - 5.19 ft)
7.31
= 0.99 gal

3 volume = 3 (0.99 gal)
= 2.97 gal

Recovery = (90%)

90% Rec = DTB - (0.9 x (DTB - DTW))
= 12.5 - (.9 x (7.31))
6.579

DTW$_R$ = 5.92' bloc

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

LANGAN PARSIPPANY FIELD CALIBRATION RECORD

UNIT CALIBRATED: KXKTKM 98KXKTKM

Calibration Temp (C*): 20°C

Project Number:

DATE/TIME	PRE-CAL	SETTING	STANDARD	LOT #	EXP DATE	COMMENTS	RECORDED BY
05/11/22 1030	4.04	4.00	4.00	2107875	6/23	pH (4) Zero Cal	NDH
1033	10.08	10.05	10.00	2106B53	11/22	pH (10) Span Cal	↓
1035	7.10	7.02	7.00	2107928	6/23	pH (7) Cal Check*	
1037	195	200	200mV	2203L63	12/22	ORP Cal	
1039	0.000	0.000	0.000 mS			Cond Zero Cal	
1040	4.89	5.00	5.00 mS	11O4E99	4/23	Cond Span Cal	
1041	4.95		5.00 mS	11O4E99	2/23	Cond Cal confirm**	
1043	4.2	0.0	0.0 ntu	22010218	2/23	Turb Zero Cal	
1045	40.0	40.0	40.0 ntu	122021	12/22	Turb Span Cal	
1047	39.6		40.0 ntu	122021	12/22	Turb Cal confirm***	
1050	0.11	0.00	0.00 mg/L	21G0256899	11/24	D.O. Zero Cal	
1053	10.66	9.55	Air Sat	Temp:	21°C	D.O. Span Cal	
5/11/22 1055	0.00		0.00 mg/L	21G0256899	11/24	D.O. Zero Confirm ****	NDH

* pH (7) Cal Check reading must be +- 0.1 units of the pH (7) value. If not, a full re-calibration must be performed. If the value is 7.02, the reading should be 6.92-7.12.

** Cond Cal Confirm reading must be within 1% of the solution. If not, a full re-calibration must be performed.
For 5.00mS, the reading should be 4.95-5.05. For 1.413mS, the reading should be 1.399-1.427mS.

*** Turb Cal Confirm must be within 5% or +-1 ntu of the value, whichever is greater. If not, a full re-calibration must be performed.
For 40ntu, the reading should be 38-42ntu, For 10ntu, it should be 9.0-11.0ntu.

**** D.O Zero Confirm must be 0.3mg/L or less. If not, a full re-calibration must be performed.

pH(7) Cal Check (MUST be done every 3 hours.)

DATE/TIME		SETTING	STANDARD	LOT #	EXP DATE	COMMENTS	RECORDED BY
	Temp:			Pass/Fail:			
	Check:			2107928	6/23	pH (7) Cal Check*	
	Temp:			Pass/Fail:			
	Check:			2107928	6/23	pH (7) Cal Check*	
	Temp:			Pass/Fail:			
	Check:			2107928	6/23	pH (7) Cal Check*	

Site:	Orange Plaza Mall	Location:	Middletown, New York	Job No.:	100571501
		Weather:	cloudy, 65-75°	Sampling Crew:	Nick Querrazzi

Well Information

Sample ID	MW-1
Well Depth (ft)	13
Screened Interval (ft)	3-13
Casing Elevation (msl)	-
Casing Diameter (in)	2
Depth to Water (ft)	5.5'
Water Elevation (msl)	-
Casing Volume (gal)	1.14
Volume factor (gal/ft)	0.16317
PID/FID Reading (ppm)	0.0
Depth to bottom	12.5
Water Depth	7'

× 3 = 3.4gal

Purging Information

Purging Method	Peristaltic Pump
Purging Rate (gpm)	0.139
Start Purge Time	11:40
End Purge Time	12:10
Volume Purged (gal)	4.17

$3.4\,gal \times \frac{1\,min}{0.139\,gal} = 24.5$ minutes

~ minimum 12:05 stop time

$30\,min \times \frac{0.139\,gal}{1\,min} = 4.17$ gal purged

Sampling Information

Sampling Method	Bailer
Start Sampling Time	1225
End Sampling Time	1230
Depth to Water Before Sampling (ft)	5.5'
Sample No.:	MW-1

Parameters	Before Purging	After Purging	At Sampling
Depth to Water (ft)	5.5'	5.5'	5.5'
Temperature (°C)	24.36	24.52	24.57
pH (std. units)	10.28	9.53	9.13
Specific Conductance ~~(S/cm)~~ mS/cm	4.84	3.17	2.33
Dissolved Oxygen ~~(g/L)~~ mg/L	2.42	0.00	5.42
ORP (mV)	-303	-300	-267

NOTES/REMARKS

- blackish color at start of purging, slight odor

Analytical Program

VOA By NYASP 95-1 CLP	X	PP-VO+15		MBTE		Phenols	
TCL-BN+15		PP-BN+15		TBA		Others	
TCL-AE+5		PP-AE+10		Cyanide			
TCL-BNA+20		PP-BNA+25		TPH			
TCL-Pesticides		PP-Pesticides		TDS			
TCL+30		PP-Metals		TSS			
TAL		PP+40		TOX			
TAL-Metals		PCB		TOC			

LANGAN PARSIPPANY FIELD CALIBRATION RECORD

UNIT CALIBRATED: NL08
Calibration Temp (C*): 22.9°C
Project Number:

DATE/TIME	PRE-CAL	SETTING	STANDARD	LOT #	EXP DATE	COMMENTS	RECORDED BY
8/8 10:05am	3.94	4	4.0	2206A61	5/24	pH (4) Zero Cal	NQ
10:11am	10.13	10	10.0	4208J77	2/24	pH (10) Span Cal	
10:15		7.04	7.0	4302F14	1/25	pH (7) Cal Check*	
10:20	200	200	200mV	2302E72"	11/23	ORP Cal	
10:23	0.000	0.000	0.000 mS			Cond Zero Cal	
10:26	4.92	5.00	5.00 mS	4206J32	6/24	Cond Span Cal	
10:29		5.05	5.00 mS	4206J32	6/24	Cond Cal confirm**	
10:35	1.2	0.0	0.0 ntu	22250153	8/23	Turb Zero Cal	
10:40	28.5	40.0	40.0 ntu	80422	2/23	Turb Span Cal	
10:45		39.5	40.0 ntu	80422	2/23	Turb Cal confirm***	
10:53	0.41	0.00	0.00 mg/L	1003384548	11/24	D.O. Zero Cal	
11:00	6.69 ~~5.35~~	8.92	Air Sat	8.92 Temp:	24.75°	D.O. Span Cal	
			0.00 mg/L	1003384548	11/24	D.O. Zero Confirm ****	

* pH (7) Cal Check reading must be +- 0.1 units of the pH (7) value. If not, a full re-calibration must be performed. If the value is 7.02, the reading should be 6.92-7.12.

** Cond Cal Confirm reading must be within 1% of the solution. If not, a full re-calibration must be performed.
For 5.00mS, the reading should be 4.95-5.05. For 1.413mS, the reading should be 1.399-1.427mS.

*** Turb Cal Confirm must be within 5% or +-1 ntu of the value, whichever is greater. If not, a full re-calibration must be performed.
For 40ntu, the reading should be 38-42ntu, For 10ntu, it should be 9.0-11.0ntu.

**** D.O Zero Confirm must be 0.3mg/L or less. If not, a full re-calibration must be performed.

pH(7) Cal Check (MUST be done every 3 hours.)

DATE/TIME		SETTING	STANDARD	LOT #	EXP DATE	COMMENTS	RECORDED BY
	Temp:			Pass/Fail:			
	Check:			4302F14	1/25	pH (7) Cal Check*	
	Temp:			Pass/Fail:			
	Check:			4302F14	1/25	pH (7) Cal Check*	
	Temp:			Pass/Fail:			
	Check:			2112D38	1/25	pH (7) Cal Check*	

GROUND WATER SAMPLE FIELD PARAMETER MEASUREMENTS

Site:	Orange Plaza Mall	**Location:**	Middletown, New York	**Job No.:**	101203201
Date:	11/12/24	**Weather:**	Sunny, 45	**Sampling Crew:**	NQ

Well Information

Sample ID	MW-1
Well Depth/Measured Well Depth (ft)	13/12.5
Screened Interval (ft)	3-13
Casing Elevation (msl)	-
Casing Diameter (in)	2
Depth to Water (ft)	7.03
Water Elevation (msl)	-
Casing Volume (gal)	0.89
Volume factor (gal/ft)	0.1632
PID/FID Reading (ppm)	0.0

Purging Information

Purging Method	Peristaltic Pump
Purging Rate (mL/min)	800
Start Purge Time	10:35
End Purge Time	11:00
Volume Purged (gal)	3.0

Sampling Information

Sampling Method	Bailer (teflon)
Start Sampling Time	11:05
End Sampling Time	11:10
DTW Before Sampling (ft)	7.15
Sample No.:	MW-1

Parameters	Before Purging	After Purging	At Sampling
Depth to Water (ft)	7.03	7.15	7.16
Temperature (^{o}C)	17.57	16.7	17.08
pH (std. units)	9.49	10.36	10.31
Specific Conductance (mS/cm)	3	3.23	3.22
Dissolved Oxygen (mg/L)	1.28	2.63	3.43
ORP (mV)	-93	-184	-204
Turbidity (NTU)	136	30	185
TDS (g/L)	1.89	2.06	2.05
Notes	odor, black	light brown	light brown

NOTES/REMARKS

12.5-7.03=5.47 ft of water * 0.1632 = 0.89 gal in well
0.89 gal * 3 volumes= 2.68 gal
0.89 gal * 5 volumes = 4.46 gal

Analytical Program

VOA By NYASP 95-1 CLP	X	PP-VO+15		MBTE		Phenols	
TCL-BN+15		PP-BN+15		TBA		Others	
TCL-AE+5		PP-AE+10		Cyanide			
TCL-BNA+20		PP-BNA+25		TPH			
TCL-Pesticides		PP-Pesticides		TDS			
TCL+30		PP-Metals		TSS			
TAL		PP+40		TOX			
TAL-Metals		PCB		TOC			

Langan Engineering and Environmental Services, Inc.
300 Kimball Drive Parsippany, New Jersey

GROUND WATER SAMPLE FIELD PARAMETER MEASUREMENTS

Site:	Orange Plaza Mall	Location:	Middletown, New York	Job No.:	100571501
Date:	02/02/2026	Weather:	Sunny	Sampling Crew:	Khoa Nguyen

Well Information

Sample ID	MW-1
Well Depth/ Measured Well De	13
Screened Interval (ft)	3-13
Casing Elevation (msl)	-
Casing Diameter (in)	2
Depth to Water (ft)	7.61
Water Elevation (msl)	-
Casing Volume (gal)	0.80
Volume factor (gal/ft)	0.1632
PID/FID Reading (ppm)	0

12.62

Purging Information

Purging Method	Peristaltic Pump
Purging Rate (gpm)	800.00
Start Purge Time	11:25
End Purge Time	12:15
Volume Purged (gal)	3

Sampling Information

Sampling Method	Bailer (teflon)
Start Sampling Time	12:20
End Sampling Time	12:25
DTW Before Sampling (ft)	7.75
Sample No.:	MW-1

Parameters	Before Purging	After Purging	At Sampling
Depth to Water (ft)	7.61	7.75	7.75
Temperature (^{o}C)	8.87	7.88	7.95
pH (std. units)	7.97	9.25	9.27
Specific Conductance (S/cm)	43.6	11.4	11.2
Dissolved Oxygen (g/L)	1.49	5.46	5.19
ORP (mV)	-111	-79	-85
Turbidity (NTU)	308	15.9	14.9
	Black, light odor.	Light brown, light odor.	Light brown, light odor.

NOTES/REMARKS

12.5-(7.61)=4.89 ft of water * 0.1632 = 0.798 gal in well
0.798 gal * 3 volumes= 2.394 gal
0.798 gal * 5 volumes = 3.99 gal

Sampling time 12:20

Analytical Program

VOA By NYASP 95-1 CLP	X	PP-VO+15		MBTE		Phenols	
TCL-BN+15		PP-BN+15		TBA		Others	
TCL-AE+5		PP-AE+10		Cyanide			
TCL-BNA+20		PP-BNA+25		TPH			
TCL-Pesticides		PP-Pesticides		TDS			
TCL+30		PP-Metals		TSS			
TAL		PP+40		TOX			
TAL-Metals		PCB		TOC			

LANGAN PARSIPPANY FIELD CALIBRATION RECORD

	UNIT CALIBRATED:	BxDT			Project Number:	100511501	
	Calibration Temp (C*):	13.96					
DATE/TIME	PRE-CAL	SETTING	STANDARD	LOT #	EXP DATE	COMMENTS	RECORDED BY
02/09/26 | 9:20	3.96	4.00	4.00	4408E10	7/26	pH (4) Zero Cal	Khan Nguyen
	10.48	10.10	10.10	2503F37	8/26	pH (10) Span Cal	
		7.07	7.02	2504D34	3/27	pH (7) Cal Check*	
	198	200	200mV	2505K22	2/26	ORP Cal	
	0.003	0.000	0.000 mS			Cond Zero Cal	
	4.91	5.00	5.00 mS	2502H12	2/27	Cond Span Cal	
		4.99	5.00 mS	2502H12	2/27	Cond Cal confirm**	
	0.00	0.00	0.0 ntu	24020551	5/26	Turb Zero Cal	
	39.8	40.00	40.0 ntu	10425	7/26	Turb Span Cal	
		41.8	40.0 ntu	10425	7/26	Turb Cal confirm***	
	0.01	0.00	0.00 mg/L	2204G2	7/27	D.O. Zero Cal	
	10.81	10.52	Air Sat	Temp:	15.90	D.O. Span Cal	
09/09/26 | 9:40		0.00	0.00 mg/L	2204G2	7/27	D.O. Zero Confirm ****	

* pH (7) Cal Check reading must be +- 0.1 units of the pH (7) value. If not, a full re-calibration must be performed. If the value is 7.02, the reading should be 6.92-7.12.

** Cond Cal Confirm reading must be within 1% of the solution. If not, a full re-calibration must be performed.
For 5.00mS, the reading should be 4.95-5.05. For 1.413mS, the reading should be 1.399-1.427mS.

*** Turb Cal Confirm must be within 5% or +-1 ntu of the value, whichever is greater. If not, a full re-calibration must be performed.
For 40ntu, the reading should be 38-42ntu, For 10ntu, it should be 9.0-11.0ntu.

**** D.O Zero Confirm must be 0.3mg/L or less. If not, a full re-calibration must be performed.

pH(7) Cal Check (MUST be done every 3 hours.)							
DATE/TIME		SETTING	STANDARD	LOT #	EXP DATE	COMMENTS	RECORDED BY
	Temp:			Pass/Fail:			
	Check:			2504D34	3/27	pH (7) Cal Check*	
	Temp:			Pass/Fail:			
	Check:			2504D34	3/27	pH (7) Cal Check*	
	Temp:			Pass/Fail:			
	Check:			2504D34	3/27	pH (7) Cal Check*	

APPENDIX C

Laboratory Reports

Hampton-Clarke
Analytical & Field Services

175 US Highway 46, STE D · Fairfield, NJ 07004-2327
2 Madison Road, Fairfield, NJ 07004-2327
800-426-9992 · 973-244-9770
FAX: 973-244-9787
WWW.HCVLAB.COM

Project: Orange Plaza

Client PO: 100571501

Report To: Langan Engineering & Environmental
300 Kimball Drive
Parsipanny, NJ 07054
Attn: K.McPartland/N.Hodom

Received Date: 5/12/2022

Report Date: 6/9/2022

Deliverables: NYSDEC-CatB

Lab ID: AD30710

Lab Project No: 2051213

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

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

Table of Contents - 2051213

SDG Narrative

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	Analytical Requirements					
		VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-1	AD30710-001	8260D					
FB20220511	AD30710-002	8260D					
TB20220511	AD30710-003	8260D					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
AD30710-001	Aqueous	5/11/2022	5/12/2022	N/A	5/16/2022
AD30710-002	Aqueous	5/11/2022	5/12/2022	N/A	5/13/2022
AD30710-003	Aqueous	5/11/2022	5/12/2022	N/A	5/13/2022

HC Case Narrative

Client: Langan Engineering & Environmental **HC Project:** 2051213
Project: Orange Plaza

Hampton-Clarke (HC) received the following samples on 5/12/2022:

Client ID	HC Sample ID	Matrix	Analysis
MW-1	AD30710-001	Aqueous	Volatile Organics (8260D)
FB20220511	AD30710-002	Aqueous	Volatile Organics (8260D)
TB20220511	AD30710-003	Aqueous	Volatile Organics (8260D)

* - Indicates analysis was performed by a subcontracted laboratory.

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 101578, 101592 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries. Please refer to Form 4 to see which samples are associated with the Method Blank Spike.

The Matrix Spike and/or Matrix Spike Duplicate for batches 101578, 101592 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

2-Chloroethylvinylether did not recover in the Matrix Spike and Matrix Spike Duplicate in batches 101578, 101592 due to acid preservation of sample. 2-Chloroethylvinylether readily decomposes under acidic conditions. The recovery of 2-Chloroethylvinylether is within QC limits in the Laboratory Control Sample. Please refer to the applicable Form 3 for the recoveries.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Sean Berls
Quality Assurance Officer

Or

Jean Revolus
Laboratory Director

6/9/22
Date

Reporting Limit Definitions

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

DUP = Duplicate

LCS = Laboratory Control Spike

MBS = Method Blank Spike

MDL = Method Detection Limit

MR = Matrix Replicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NA = Not Applicable

ND = Not Detected

PS = Post Digestion Spike

RL* = Reporting Limit

RT = Retention Time

SD = Serial Dilution

**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.

Data Package Summary Forms

HC Report of Analysis

Client: Langan Engineering & Environmental **HC Project #:** 2051213

Project: Orange Plaza

Sample ID: MW-1 **Collection Date:** 5/11/2022
Lab#: AD30710-001 **Receipt Date:** 5/12/2022
Matrix: Aqueous

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.66	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**3.8**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.87	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**2.6**

Sample ID: MW-1 **Collection Date:** 5/11/2022
Lab#: AD30710-001 **Receipt Date:** 5/12/2022
Matrix: Aqueous

trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**1.8**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	**1**	**ug/l**	**1.0**	**6.0**
Xylenes (Total)	1	ug/l	1.0	ND

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: FB20220511 **Collection Date:** 5/11/2022
Lab#: AD30710-002 **Receipt Date:** 5/12/2022
Matrix: Aqueous

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.66	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.87	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: FB20220511
Lab#: AD30710-002
Matrix: Aqueous

Collection Date: 5/11/2022
Receipt Date: 5/12/2022

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: TB20220511
Lab#: AD30710-003
Matrix: Aqueous
Collection Date: 5/11/2022
Receipt Date: 5/12/2022

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.66	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.87	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TB20220511
Lab#: AD30710-003
Matrix: Aqueous

Collection Date: 5/11/2022
Receipt Date: 5/12/2022

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD30710-001
Client Id: MW-1
Data File: 1M161731.D
Analysis Date: 05/16/22 16:46
Date Rec/Extracted: 05/12/22-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**3.8**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.66	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	**156-60-5**	**trans-1,2-Dichloroethene**	**1.0**	**2.6**
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**1.8**
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	**75-01-4**	**Vinyl Chloride**	**1.0**	**6.0**
1330-20-7	Xylenes (Total)	1.0	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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD30710-001
Client Id: MW-1
Data File: 1M161731.D
Analysis Date: 05/16/22 16:46
Date Rec/Extracted: 05/12/22-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 640914

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD30710-002
Client Id: FB20220511
Data File: 1M161681.D
Analysis Date: 05/13/22 19:35
Date Rec/Extracted: 05/12/22-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.66	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 640914

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number:	AD30710-002	Matrix:	Aqueous
Client Id:	FB20220511	Initial Vol:	5ml
Data File:	1M161681.D	Final Vol:	NA
Analysis Date:	05/13/22 19:35	Dilution:	1.00
Date Rec/Extracted:	05/12/22-NA	Solids:	
		Method:	EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 640914

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD30710-003
Client Id: TB20220511
Data File: 1M161682.D
Analysis Date: 05/13/22 19:54
Date Rec/Extracted: 05/12/22-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.66	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 640914

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number:	AD30710-003	Matrix:	Aqueous
Client Id:	TB20220511	Initial Vol:	5ml
Data File:	1M161682.D	Final Vol:	NA
Analysis Date:	05/13/22 19:54	Dilution:	1.00
Date Rec/Extracted:	05/12/22-NA	Solids:	
		Method:	EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 640914

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Chain of Custody Forms

2051213 0021

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): 205213

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 [X] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[X] 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: Langan
Address: 300 Kimball Drive, Parsippany 07054
1b) Email/Cell/Fax/Ph: rhodon@langan.com
1c) Send Invoice to: "
1d) Send Report to:

Project Information

2a) Project: Orange Plaza - 100571501
2b) Project Mgr: Keith McPartland
2c) Project Location (City/State): Middletown, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY ↓

Batch # AD30710

===> 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)	VOA by NYASP CLP-1 current	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	MW-1	GW	05/11/22	1330		X	X					3				
002	FB20220511	FB	05/11/22	1300	F	B	X					3				
003	TB20220511	TB	—	TB	T	B	X					3				

10) Relinquished by:	Accepted by:	Date	Time
		05/11/22	1700
		5/12/22	11:48
		5/12/22	12:07

11) Sampler (print name): Nick Hodon Date: 05/11/22

Additional Notes: Analysis must include the current NYSDEC VOA list.

Comments, Notes, Special Requirements, HAZARDS

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

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

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

Cooler Temperature: 2-7

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 AD30710 Entered By: maxwell
Date Entered 5/12/2022 12:54:00 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). 2.7
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	Yes	Other comments ...Specify (TB date, sample matrix, any missing info, etc.) TRIP BLANK DATE 5/9/22
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
AD30710-001	05/12/22 12:07	MAXW	0	M	Received
AD30710-001	05/12/22 12:54	MAXW	0	M	Login
AD30710-001	05/13/22 13:57	R31	1	A	NONE
AD30710-001	05/13/22 13:57	R31	2	A	NONE
AD30710-001	05/13/22 19:09	WP	2	A	VOA
AD30710-001	05/16/22 17:38	SG	2	A	VOA-QC
AD30710-001	05/13/22 13:57	R31	3	A	NONE
AD30710-001	05/16/22 17:38	SG	3	A	VOA-QC
AD30710-002	05/12/22 12:07	MAXW	0	M	Received
AD30710-002	05/12/22 12:54	MAXW	0	M	Login
AD30710-002	05/13/22 13:57	R31	1	A	NONE
AD30710-002	05/13/22 13:57	R31	2	A	NONE
AD30710-002	05/13/22 19:13	WP	2	A	VOA
AD30710-002	05/13/22 13:57	R31	3	A	NONE
AD30710-003	05/12/22 12:07	MAXW	0	M	Received
AD30710-003	05/12/22 12:54	MAXW	0	M	Login
AD30710-003	05/13/22 13:57	R31	1	A	NONE
AD30710-003	05/13/22 13:57	R31	2	A	NONE
AD30710-003	05/13/22 19:09	WP	2	A	VOA
AD30710-003	05/13/22 13:57	R31	3	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

GC/MS Volatile Data

GC/MS Volatile Data
QC Summary

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
1M161543.D	DAILY BLANK	A	05/11/22 15:20	1		101	101	97	105		
1M161680.D	DAILY BLANK	A	05/13/22 19:16	1		105	111	95	102		
1M161730.D	DAILY BLANK	A	05/16/22 16:27	1		105	104	95	101		
1M161731.D	AD30710-001	A	05/16/22 16:46	1		107	113	95	99		
1M161681.D	AD30710-002	A	05/13/22 19:35	1		107	113	95	98		
1M161682.D	AD30710-003	A	05/13/22 19:54	1		106	109	97	100		
1M161546.D	MBS101555	A	05/11/22 16:17	1		101	102	96	102		
1M161571.D	AD30683-007	A	05/12/22 00:06	1		102	103	96	102		
1M161686.D	MBS101578	A	05/13/22 21:09	1		107	108	95	99		
1M161687.D	AD30683-007(MS)	A	05/13/22 21:27	1		106	107	95	97		
1M161688.D	AD30683-007(MSD)	A	05/13/22 21:46	1		106	107	97	96		
1M161737.D	MBS101592	A	05/16/22 18:38	1		104	103	96	99		
1M161749.D	AD30710-001(MS)	A	05/16/22 22:22	1		104	104	95	102		
1M161750.D	AD30710-001(MSD)	A	05/16/22 22:41	1		103	105	94	100		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260D

Aqueous Laboratory Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	73-131
S2=1,2-Dichloroethane-d4	30	78-128
S3=Toluene-d8	30	79-111
S4=Bromofluorobenzene	30	82-112

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101555

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161546.D	MBS101555	5/11/2022 4:17:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	23.0744	0	20	115	50	150
Dichlorodifluoromethane	1	16.9425	0	20	85	50	150
Chloromethane	1	23.8579	0	20	119	50	150
Bromomethane	1	18.4362	0	20	92	50	150
Vinyl Chloride	1	23.7682	0	20	119	50	150
Chloroethane	1	22.7494	0	20	114	50	150
Trichlorofluoromethane	1	21.9838	0	20	110	50	150
Ethyl ether	1	20.1591	0	20	101	50	150
Furan	1	21.6018	0	20	108	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	22.0529	0	20	110	50	150
Methylene Chloride	1	22.2882	0	20	111	70	130
Acrolein	1	106.404	0	100	106	50	150
Acrylonitrile	1	23.0352	0	20	115	50	150
Iodomethane	1	14.6428	0	20	73	50	150
Acetone	1	107.8189	0	100	108	50	150
Carbon Disulfide	1	19.449	0	20	97	50	150
t-Butyl Alcohol	1	112.0983	0	100	112	50	150
n-Hexane	1	24.1898	0	20	121	70	130
Di-isopropyl-ether	1	23.1948	0	20	116	70	130
1,1-Dichloroethene	1	24.4653	0	20	122	70	130
Methyl Acetate	1	22.0611	0	20	110	50	150
Methyl-t-butyl ether	1	21.249	0	20	106	70	130
1,1-Dichloroethane	1	23.4535	0	20	117	70	130
trans-1,2-Dichloroethene	1	23.6709	0	20	118	70	130
Ethyl-t-butyl ether	1	21.5724	0	20	108	70	130
cis-1,2-Dichloroethene	1	24.6129	0	20	123	70	130
Bromochloromethane	1	25.6381	0	20	128	70	130
2,2-Dichloropropane	1	24.627	0	20	123	70	130
Ethyl acetate	1	24.0398	0	20	120	50	150
1,4-Dioxane	1	1181.559	0	1000	118	50	150
1,1-Dichloropropene	1	23.6822	0	20	118	70	130
Chloroform	1	22.5645	0	20	113	70	130
Cyclohexane	1	23.2293	0	20	116	70	130
1,2-Dichloroethane	1	21.1499	0	20	106	70	130
2-Butanone	1	27.6402	0	20	138	50	150
1,1,1-Trichloroethane	1	21.662	0	20	108	70	130
Carbon Tetrachloride	1	22.3389	0	20	112	50	150
Vinyl Acetate	1	24.2665	0	20	121	50	150
Bromodichloromethane	1	22.8369	0	20	114	70	130
Methylcyclohexane	1	21.8129	0	20	109	70	130
Dibromomethane	1	22.5053	0	20	113	70	130
1,2-Dichloropropane	1	23.6918	0	20	118	70	130
Trichloroethene	1	22.6398	0	20	113	70	130
Benzene	1	23.4928	0	20	117	70	130
tert-Amyl methyl ether	1	21.1185	0	20	106	70	130
Iso-propylacetate	1	20.9966	0	20	105	70	130
Methyl methacrylate	1	20.89	0	20	104	70	130
Dibromochloromethane	1	20.3977	0	20	102	70	130
2-Chloroethylvinylether	1	16.2117	0	20	81	70	130
cis-1,3-Dichloropropene	1	20.2593	0	20	101	70	130
trans-1,3-Dichloropropene	1	20.0978	0	20	100	70	130
Ethyl methacrylate	1	20.7039	0	20	104	70	130
1,1,2-Trichloroethane	1	21.5737	0	20	108	70	130
1,2-Dibromoethane	1	20.306	0	20	102	70	130
1,3-Dichloropropane	1	21.1339	0	20	106	70	130
4-Methyl-2-Pentanone	1	19.6961	0	20	98	50	150
2-Hexanone	1	19.2406	0	20	96	50	150
Tetrachloroethene	1	21.2224	0	20	106	50	150
Toluene	1	22.0879	0	20	110	70	130
1,1,1,2-Tetrachloroethane	1	19.9754	0	20	100	70	130
Chlorobenzene	1	20.741	0	20	104	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: MBS101555

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	20.0413	0	20	100	70	130
n-Amyl acetate	1	21.8874	0	20	109	70	130
Bromoform	**1**	**19.945**	**0**	**20**	**100**	**70**	**130**
Ethylbenzene	**1**	**19.988**	**0**	**20**	**100**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**20.5369**	**0**	**20**	**103**	**70**	**130**
Styrene	**1**	**20.5971**	**0**	**20**	**103**	**70**	**130**
m&p-Xylenes	**1**	**42.7408**	**0**	**40**	**107**	**70**	**130**
o-Xylene	**1**	**19.6536**	**0**	**20**	**98**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	20.1641	0	20	101	50	150
1,3-Dichlorobenzene	**1**	**19.5276**	**0**	**20**	**98**	**70**	**130**
1,4-Dichlorobenzene	**1**	**18.9869**	**0**	**20**	**95**	**70**	**130**
1,2-Dichlorobenzene	**1**	**19.0818**	**0**	**20**	**95**	**70**	**130**
Isopropylbenzene	**1**	**21.4605**	**0**	**20**	**107**	**70**	**130**
Cyclohexanone	1	88.1997	0	100	88	50	150
Camphene	1	17.9756	0	20	90	70	130
1,2,3-Trichloropropane	1	19.1538	0	20	96	70	130
2-Chlorotoluene	1	21.2751	0	20	106	70	130
p-Ethyltoluene	1	19.9208	0	20	100	70	130
4-Chlorotoluene	1	18.8567	0	20	94	70	130
n-Propylbenzene	1	20.7434	0	20	104	70	130
Bromobenzene	1	19.9072	0	20	100	70	130
1,3,5-Trimethylbenzene	1	20.3921	0	20	102	70	130
Butyl methacrylate	1	18.9452	0	20	95	70	130
t-Butylbenzene	1	20.0914	0	20	100	70	130
1,2,4-Trimethylbenzene	1	20.9368	0	20	105	70	130
sec-Butylbenzene	1	21.1337	0	20	106	70	130
4-Isopropyltoluene	1	20.1403	0	20	101	70	130
n-Butylbenzene	1	20.0683	0	20	100	70	130
p-Diethylbenzene	1	17.4425	0	20	87	70	130
1,2,4,5-Tetramethylbenzene	1	17.2716	0	20	86	70	130
1,2-Dibromo-3-Chloropropane	**1**	**17.7416**	**0**	**20**	**89**	**50**	**150**
Camphor	1	168.3862	0	200	84	20	150
Hexachlorobutadiene	1	20.4309	0	20	102	50	150
1,2,4-Trichlorobenzene	**1**	**19.1753**	**0**	**20**	**96**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**19.5824**	**0**	**20**	**98**	**70**	**130**
Naphthalene	1	20.3848	0	20	102	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: MBS101578

Data File | Sample ID: | Analysis Date

Spike or Dup: 1M161686.D | MBS101578 | 5/13/2022 9:09:00 PM

Non Spike(If applicable):

Inst Blank(If applicable):

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	7.8446	0	20	39*	50	150
Dichlorodifluoromethane	1	27.4436	0	20	137	50	150
Chloromethane	1	24.9331	0	20	125	50	150
Bromomethane	1	15.3016	0	20	77	50	150
Vinyl Chloride	1	25.5153	0	20	128	50	150
Chloroethane	1	22.8868	0	20	114	50	150
Trichlorofluoromethane	1	20.3091	0	20	102	50	150
Ethyl ether	1	16.7227	0	20	84	50	150
Furan	1	16.8873	0	20	84	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	20.3387	0	20	102	50	150
Methylene Chloride	1	20.2845	0	20	101	70	130
Acrolein	1	96.8687	0	100	97	50	150
Acrylonitrile	1	21.2111	0	20	106	50	150
Iodomethane	1	10.2488	0	20	51	50	150
Acetone	1	103.7337	0	100	104	50	150
Carbon Disulfide	1	17.6592	0	20	88	50	150
t-Butyl Alcohol	1	98.3397	0	100	98	50	150
n-Hexane	1	21.7569	0	20	109	70	130
Di-isopropyl-ether	1	21.3135	0	20	107	70	130
1,1-Dichloroethene	1	21.471	0	20	107	70	130
Methyl Acetate	1	21.3017	0	20	107	50	150
Methyl-t-butyl ether	1	18.6679	0	20	93	70	130
1,1-Dichloroethane	1	21.6333	0	20	108	70	130
trans-1,2-Dichloroethene	1	20.3112	0	20	102	70	130
Ethyl-t-butyl ether	1	19.6513	0	20	98	70	130
cis-1,2-Dichloroethene	1	21.4683	0	20	107	70	130
Bromochloromethane	1	22.3027	0	20	112	70	130
2,2-Dichloropropane	1	21.185	0	20	106	70	130
Ethyl acetate	1	22.4836	0	20	112	50	150
1,4-Dioxane	1	945.8224	0	1000	95	50	150
1,1-Dichloropropene	1	19.8551	0	20	99	70	130
Chloroform	1	19.8961	0	20	99	70	130
Cyclohexane	1	19.634	0	20	98	70	130
1,2-Dichloroethane	1	18.3671	0	20	92	70	130
2-Butanone	1	24.4468	0	20	122	50	150
1,1,1-Trichloroethane	1	19.2573	0	20	96	70	130
Carbon Tetrachloride	1	18.8758	0	20	94	50	150
Vinyl Acetate	1	21.664	0	20	108	50	150
Bromodichloromethane	1	18.9374	0	20	95	70	130
Methylcyclohexane	1	18.3141	0	20	92	70	130
Dibromomethane	1	18.1138	0	20	91	70	130
1,2-Dichloropropane	1	20.7814	0	20	104	70	130
Trichloroethene	1	18.7782	0	20	94	70	130
Benzene	1	19.8493	0	20	99	70	130
tert-Amyl methyl ether	1	18.2928	0	20	91	70	130
Iso-propylacetate	1	17.8099	0	20	89	70	130
Methyl methacrylate	1	17.4391	0	20	87	70	130
Dibromochloromethane	1	15.7382	0	20	79	70	130
2-Chloroethylvinylether	1	13.1792	0	20	66*	70	130
cis-1,3-Dichloropropene	1	16.4837	0	20	82	70	130
trans-1,3-Dichloropropene	1	16.032	0	20	80	70	130
Ethyl methacrylate	1	17.0783	0	20	85	70	130
1,1,2-Trichloroethane	1	18.5268	0	20	93	70	130
1,2-Dibromoethane	1	16.7338	0	20	84	70	130
1,3-Dichloropropane	1	17.4376	0	20	87	70	130
4-Methyl-2-Pentanone	1	17.5387	0	20	88	50	150
2-Hexanone	1	17.4493	0	20	87	50	150
Tetrachloroethene	1	17.8721	0	20	89	50	150
Toluene	1	18.068	0	20	90	70	130
1,1,1,2-Tetrachloroethane	1	16.6584	0	20	83	70	130
Chlorobenzene	1	17.5498	0	20	88	70	130

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101578

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	16.0044	0	20	80	70	130
n-Amyl acetate	1	17.5914	0	20	88	70	130
Bromoform	**1**	**14.792**	**0**	**20**	**74**	**70**	**130**
Ethylbenzene	**1**	**15.6724**	**0**	**20**	**78**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**16.668**	**0**	**20**	**83**	**70**	**130**
Styrene	**1**	**16.6826**	**0**	**20**	**83**	**70**	**130**
m&p-Xylenes	**1**	**33.7466**	**0**	**40**	**84**	**70**	**130**
o-Xylene	**1**	**16.3459**	**0**	**20**	**82**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	17.4228	0	20	87	50	150
1,3-Dichlorobenzene	**1**	**16.2221**	**0**	**20**	**81**	**70**	**130**
1,4-Dichlorobenzene	**1**	**15.6386**	**0**	**20**	**78**	**70**	**130**
1,2-Dichlorobenzene	**1**	**15.8305**	**0**	**20**	**79**	**70**	**130**
Isopropylbenzene	**1**	**16.2288**	**0**	**20**	**81**	**70**	**130**
Cyclohexanone	1	69.0567	0	100	69	50	150
Camphene	1	14.4431	0	20	72	70	130
1,2,3-Trichloropropane	1	16.0286	0	20	80	70	130
2-Chlorotoluene	1	16.0144	0	20	80	70	130
p-Ethyltoluene	1	16.2978	0	20	81	70	130
4-Chlorotoluene	1	15.6348	0	20	78	70	130
n-Propylbenzene	1	16.9635	0	20	85	70	130
Bromobenzene	1	16.3794	0	20	82	70	130
1,3,5-Trimethylbenzene	1	16.3861	0	20	82	70	130
Butyl methacrylate	1	15.6488	0	20	78	70	130
t-Butylbenzene	1	15.7464	0	20	79	70	130
1,2,4-Trimethylbenzene	1	16.396	0	20	82	70	130
sec-Butylbenzene	1	16.9811	0	20	85	70	130
4-Isopropyltoluene	1	16.0283	0	20	80	70	130
n-Butylbenzene	1	16.2815	0	20	81	70	130
p-Diethylbenzene	1	13.7134	0	20	69*	70	130
1,2,4,5-Tetramethylbenzene	1	12.7035	0	20	64*	70	130
1,2-Dibromo-3-Chloropropane	**1**	**13.5222**	**0**	**20**	**68**	**50**	**150**
Camphor	1	122.4238	0	200	61	20	150
Hexachlorobutadiene	1	14.8919	0	20	74	50	150
1,2,4-Trichlorobenzene	**1**	**15.3717**	**0**	**20**	**77**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**15.7519**	**0**	**20**	**79**	**70**	**130**
Naphthalene	1	15.0151	0	20	75	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101592

Data File | Sample ID: | Analysis Date
Spike or Dup: 1M161737.D | MBS101592 | 5/16/2022 6:38:00 PM
Non Spike(If applicable):
Inst Blank(If applicable):

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	19.5972	0	20	98	50	150
Dichlorodifluoromethane	1	31.5233	0	20	158*	50	150
Chloromethane	1	28.1714	0	20	141	50	150
Bromomethane	1	13.7599	0	20	69	50	150
Vinyl Chloride	1	29.2994	0	20	146	50	150
Chloroethane	1	26.5729	0	20	133	50	150
Trichlorofluoromethane	1	24.9545	0	20	125	50	150
Ethyl ether	1	19.4869	0	20	97	50	150
Furan	1	20.3268	0	20	102	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	26.2232	0	20	131	50	150
Methylene Chloride	1	23.9872	0	20	120	70	130
Acrolein	1	111.0094	0	100	111	50	150
Acrylonitrile	1	25.6775	0	20	128	50	150
Iodomethane	1	13.023	0	20	65	50	150
Acetone	1	118.6063	0	100	119	50	150
Carbon Disulfide	1	21.7562	0	20	109	50	150
t-Butyl Alcohol	1	121.9111	0	100	122	50	150
n-Hexane	1	27.6395	0	20	138*	70	130
Di-isopropyl-ether	1	25.788	0	20	129	70	130
1,1-Dichloroethene	1	25.4473	0	20	127	70	130
Methyl Acetate	1	24.2974	0	20	121	50	150
Methyl-t-butyl ether	1	23.3184	0	20	117	70	130
1,1-Dichloroethane	1	24.4049	0	20	122	70	130
trans-1,2-Dichloroethene	1	23.8124	0	20	119	70	130
Ethyl-t-butyl ether	1	24.9303	0	20	125	70	130
cis-1,2-Dichloroethene	1	25.7364	0	20	129	70	130
Bromochloromethane	1	27.463	0	20	137*	70	130
2,2-Dichloropropane	1	24.7102	0	20	124	70	130
Ethyl acetate	1	25.5662	0	20	128	50	150
1,4-Dioxane	1	1199.151	0	1000	120	50	150
1,1-Dichloropropene	1	24.1049	0	20	121	70	130
Chloroform	1	25.0583	0	20	125	70	130
Cyclohexane	1	25.8434	0	20	129	70	130
1,2-Dichloroethane	1	21.6432	0	20	108	70	130
2-Butanone	1	27.3302	0	20	137	50	150
1,1,1-Trichloroethane	1	22.9182	0	20	115	70	130
Carbon Tetrachloride	1	23.3414	0	20	117	50	150
Vinyl Acetate	1	26.3796	0	20	132	50	150
Bromodichloromethane	1	22.9193	0	20	115	70	130
Methylcyclohexane	1	24.532	0	20	123	70	130
Dibromomethane	1	23.7025	0	20	119	70	130
1,2-Dichloropropane	1	25.3928	0	20	127	70	130
Trichloroethene	1	23.3394	0	20	117	70	130
Benzene	1	23.6856	0	20	118	70	130
tert-Amyl methyl ether	1	22.8314	0	20	114	70	130
Iso-propylacetate	1	22.6613	0	20	113	70	130
Methyl methacrylate	1	24.489	0	20	122	70	130
Dibromochloromethane	1	20.9902	0	20	105	70	130
2-Chloroethylvinylether	1	17.9859	0	20	90	70	130
cis-1,3-Dichloropropene	1	21.8068	0	20	109	70	130
trans-1,3-Dichloropropene	1	21.0671	0	20	105	70	130
Ethyl methacrylate	1	23.2419	0	20	116	70	130
1,1,2-Trichloroethane	1	21.8221	0	20	109	70	130
1,2-Dibromoethane	1	21.0646	0	20	105	70	130
1,3-Dichloropropane	1	21.2245	0	20	106	70	130
4-Methyl-2-Pentanone	1	22.7449	0	20	114	50	150
2-Hexanone	1	23.6758	0	20	118	50	150
Tetrachloroethene	1	21.5174	0	20	108	50	150
Toluene	1	22.0924	0	20	110	70	130
1,1,1,2-Tetrachloroethane	1	21.3767	0	20	107	70	130
Chlorobenzene	1	21.8901	0	20	109	70	130

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101592

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	24.6614	0	20	123	70	130
n-Amyl acetate	1	25.5126	0	20	128	70	130
Bromoform	**1**	**20.9645**	**0**	**20**	**105**	**70**	**130**
Ethylbenzene	**1**	**21.0018**	**0**	**20**	**105**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**22.1549**	**0**	**20**	**111**	**70**	**130**
Styrene	**1**	**22.5799**	**0**	**20**	**113**	**70**	**130**
m&p-Xylenes	**1**	**45.9864**	**0**	**40**	**115**	**70**	**130**
o-Xylene	**1**	**22.3375**	**0**	**20**	**112**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	20.7395	0	20	104	50	150
1,3-Dichlorobenzene	**1**	**19.5219**	**0**	**20**	**98**	**70**	**130**
1,4-Dichlorobenzene	**1**	**19.8809**	**0**	**20**	**99**	**70**	**130**
1,2-Dichlorobenzene	**1**	**19.7768**	**0**	**20**	**99**	**70**	**130**
Isopropylbenzene	**1**	**23.8907**	**0**	**20**	**119**	**70**	**130**
Cyclohexanone	1	121.4825	0	100	121	50	150
Camphene	1	21.0229	0	20	105	70	130
1,2,3-Trichloropropane	1	18.9314	0	20	95	70	130
2-Chlorotoluene	1	21.2322	0	20	106	70	130
p-Ethyltoluene	1	24.7958	0	20	124	70	130
4-Chlorotoluene	1	20.3311	0	20	102	70	130
n-Propylbenzene	1	22.3023	0	20	112	70	130
Bromobenzene	1	23.4505	0	20	117	70	130
1,3,5-Trimethylbenzene	1	21.7413	0	20	109	70	130
Butyl methacrylate	1	23.3017	0	20	117	70	130
t-Butylbenzene	1	22.2886	0	20	111	70	130
1,2,4-Trimethylbenzene	1	23.8714	0	20	119	70	130
sec-Butylbenzene	1	23.1079	0	20	116	70	130
4-Isopropyltoluene	1	21.7032	0	20	109	70	130
n-Butylbenzene	1	21.9069	0	20	110	70	130
p-Diethylbenzene	1	21.5158	0	20	108	70	130
1,2,4,5-Tetramethylbenzene	1	20.9659	0	20	105	70	130
1,2-Dibromo-3-Chloropropane	**1**	**16.7689**	**0**	**20**	**84**	**50**	**150**
Camphor	1	203.1027	0	200	102	20	150
Hexachlorobutadiene	1	20.1119	0	20	101	50	150
1,2,4-Trichlorobenzene	**1**	**19.6694**	**0**	**20**	**98**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**21.1799**	**0**	**20**	**106**	**70**	**130**
Naphthalene	1	22.6882	0	20	113	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101578

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161687.D	AD30683-007(MS)	5/13/2022 9:27:00 PM
Non Spike(If applicable):	1M161571.D	AD30683-007	5/12/2022 12:06:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	5.8373	0	20	29*	50	150
Dichlorodifluoromethane	1	26.5809	0	20	133	50	150
Chloromethane	1	26.0831	0	20	130	50	150
Bromomethane	1	16.0433	0	20	80	50	150
Vinyl Chloride	1	24.4402	0	20	122	50	150
Chloroethane	1	22.0368	0	20	110	50	150
Trichlorofluoromethane	1	19.3091	0	20	97	50	150
Ethyl ether	1	16.1975	0	20	81	50	150
Furan	1	16.5735	0	20	83	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	20.5914	0	20	103	50	150
Methylene Chloride	1	20.4577	0	20	102	70	130
Acrolein	1	99.458	0	100	99	50	150
Acrylonitrile	1	19.4877	0	20	97	50	150
Iodomethane	1	11.8269	0	20	59	50	150
Acetone	1	108.1911	0	100	108	50	150
Carbon Disulfide	1	17.7461	0	20	89	50	150
t-Butyl Alcohol	1	111.0363	0	100	111	50	150
n-Hexane	1	23.1356	0	20	116	70	130
Di-isopropyl-ether	1	20.866	0	20	104	70	130
1,1-Dichloroethene	1	20.2789	0	20	101	70	130
Methyl Acetate	1	21.4644	0	20	107	50	150
Methyl-t-butyl ether	1	18.1286	0	20	91	70	130
1,1-Dichloroethane	1	20.4478	0	20	102	70	130
trans-1,2-Dichloroethene	1	19.4544	0	20	97	70	130
Ethyl-t-butyl ether	1	19.8352	0	20	99	70	130
cis-1,2-Dichloroethene	1	21.5544	0	20	108	70	130
Bromochloromethane	1	21.2773	0	20	106	70	130
2,2-Dichloropropane	1	20.4885	0	20	102	70	130
Ethyl acetate	1	21.195	0	20	106	50	150
1,4-Dioxane	1	1001.241	0	1000	100	50	150
1,1-Dichloropropene	1	19.1922	0	20	96	70	130
Chloroform	1	18.7959	0	20	94	70	130
Cyclohexane	1	19.6212	0	20	98	70	130
1,2-Dichloroethane	1	17.3751	0	20	87	70	130
2-Butanone	1	30.5358	0	20	153*	50	150
1,1,1-Trichloroethane	1	18.1338	0	20	91	70	130
Carbon Tetrachloride	1	17.8728	0	20	89	50	150
Vinyl Acetate	1	22.3458	0	20	112	50	150
Bromodichloromethane	1	18.7286	0	20	94	70	130
Methylcyclohexane	1	18.0105	0	20	90	70	130
Dibromomethane	1	18.8462	0	20	94	70	130
1,2-Dichloropropane	1	20.0565	0	20	100	70	130
Trichloroethene	1	18.5621	0	20	93	70	130
Benzene	1	19.3857	0	20	97	70	130
tert-Amyl methyl ether	1	18.1514	0	20	91	70	130
Iso-propylacetate	1	18.2249	0	20	91	70	130
Methyl methacrylate	1	18.0803	0	20	90	70	130
Dibromochloromethane	1	16.2185	0	20	81	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	16.3118	0	20	82	70	130
trans-1,3-Dichloropropene	1	16.5396	0	20	83	70	130
Ethyl methacrylate	1	18.6786	0	20	93	70	130
1,1,2-Trichloroethane	1	17.916	0	20	90	70	130
1,2-Dibromoethane	1	16.3079	0	20	82	70	130
1,3-Dichloropropane	1	17.2806	0	20	86	70	130
4-Methyl-2-Pentanone	1	18.4025	0	20	92	50	150
2-Hexanone	1	19.7765	0	20	99	50	150
Tetrachloroethene	1	18.2456	0	20	91	50	150
Toluene	1	17.9645	0	20	90	70	130
1,1,1,2-Tetrachloroethane	1	16.7595	0	20	84	70	130
Chlorobenzene	1	17.8605	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: MBS101578

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	17.1217	0	20	86	70	130
n-Amyl acetate	1	18.3062	0	20	92	70	130
Bromoform	1	15.0376	0	20	75	70	130
Ethylbenzene	1	16.4305	0	20	82	70	130
1,1,2,2-Tetrachloroethane	1	17.1394	0	20	86	70	130
Styrene	1	16.7658	0	20	84	70	130
m&p-Xylenes	1	34.2396	0	40	86	70	130
o-Xylene	1	16.926	0	20	85	70	130
trans-1,4-Dichloro-2-butene	1	14.4683	0	20	72	50	150
1,3-Dichlorobenzene	1	15.797	0	20	79	70	130
1,4-Dichlorobenzene	1	15.4182	0	20	77	70	130
1,2-Dichlorobenzene	1	15.4658	0	20	77	70	130
Isopropylbenzene	1	17.2324	0	20	86	70	130
Cyclohexanone	1	68.9978	0	100	69	50	150
Camphene	1	8.6236	0	20	43*	70	130
1,2,3-Trichloropropane	1	16.3502	0	20	82	70	130
2-Chlorotoluene	1	16.7221	0	20	84	70	130
p-Ethyltoluene	1	16.4157	0	20	82	70	130
4-Chlorotoluene	1	16.0073	0	20	80	70	130
n-Propylbenzene	1	16.6495	0	20	83	70	130
Bromobenzene	1	15.6458	0	20	78	70	130
1,3,5-Trimethylbenzene	1	16.6393	0	20	83	70	130
Butyl methacrylate	1	16.1305	0	20	81	70	130
t-Butylbenzene	1	15.6315	0	20	78	70	130
1,2,4-Trimethylbenzene	1	16.3081	0	20	82	70	130
sec-Butylbenzene	1	16.6933	0	20	83	70	130
4-Isopropyltoluene	1	16.1434	0	20	81	70	130
n-Butylbenzene	1	16.3703	0	20	82	70	130
p-Diethylbenzene	1	13.6362	0	20	68*	70	130
1,2,4,5-Tetramethylbenzene	1	12.9473	0	20	65*	70	130
1,2-Dibromo-3-Chloropropane	1	14.7269	0	20	74	50	150
Camphor	1	136.5638	0	200	68	20	150
Hexachlorobutadiene	1	15.8483	0	20	79	50	150
1,2,4-Trichlorobenzene	1	15.5419	0	20	78	70	130
1,2,3-Trichlorobenzene	1	16.4782	0	20	82	70	130
Naphthalene	1	16.1026	0	20	81	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: MBS101578

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161688.D	AD30683-007(MSD)	5/13/2022 9:46:00 PM
Non Spike(If applicable):	1M161571.D	AD30683-007	5/12/2022 12:06:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	6.832	0	20	34*	50	150
Dichlorodifluoromethane	1	31.7297	0	20	159*	50	150
Chloromethane	1	31.8945	0	20	159*	50	150
Bromomethane	1	20.2154	0	20	101	50	150
Vinyl Chloride	1	30.2185	0	20	151*	50	150
Chloroethane	1	27.5258	0	20	138	50	150
Trichlorofluoromethane	1	24.7203	0	20	124	50	150
Ethyl ether	1	20.1679	0	20	101	50	150
Furan	1	20.8475	0	20	104	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	25.2609	0	20	126	50	150
Methylene Chloride	1	24.5108	0	20	123	70	130
Acrolein	1	122.8301	0	100	123	50	150
Acrylonitrile	1	26.4709	0	20	132	50	150
Iodomethane	1	15.1787	0	20	76	50	150
Acetone	1	121.7225	0	100	122	50	150
Carbon Disulfide	1	22.2442	0	20	111	50	150
t-Butyl Alcohol	1	117.5949	0	100	118	50	150
n-Hexane	1	29.0718	0	20	145*	70	130
Di-isopropyl-ether	1	25.9247	0	20	130	70	130
1,1-Dichloroethene	1	25.0723	0	20	125	70	130
Methyl Acetate	1	25.2232	0	20	126	50	150
Methyl-t-butyl ether	1	22.7791	0	20	114	70	130
1,1-Dichloroethane	1	25.7877	0	20	129	70	130
trans-1,2-Dichloroethene	1	24.2105	0	20	121	70	130
Ethyl-t-butyl ether	1	23.0437	0	20	115	70	130
cis-1,2-Dichloroethene	1	23.6502	0	20	118	70	130
Bromochloromethane	1	27.1512	0	20	136*	70	130
2,2-Dichloropropane	1	23.1843	0	20	116	70	130
Ethyl acetate	1	22.7234	0	20	114	50	150
1,4-Dioxane	1	951.811	0	1000	95	50	150
1,1-Dichloropropene	1	23.747	0	20	119	70	130
Chloroform	1	22.9291	0	20	115	70	130
Cyclohexane	1	24.469	0	20	122	70	130
1,2-Dichloroethane	1	21.8197	0	20	109	70	130
2-Butanone	1	27.5436	0	20	138	50	150
1,1,1-Trichloroethane	1	22.4445	0	20	112	70	130
Carbon Tetrachloride	1	22.1176	0	20	111	50	150
Vinyl Acetate	1	27.3914	0	20	137	50	150
Bromodichloromethane	1	22.6057	0	20	113	70	130
Methylcyclohexane	1	22.439	0	20	112	70	130
Dibromomethane	1	22.732	0	20	114	70	130
1,2-Dichloropropane	1	25.0402	0	20	125	70	130
Trichloroethene	1	21.7317	0	20	109	70	130
Benzene	1	24.2784	0	20	121	70	130
tert-Amyl methyl ether	1	22.5422	0	20	113	70	130
Iso-propylacetate	1	23.0682	0	20	115	70	130
Methyl methacrylate	1	22.398	0	20	112	70	130
Dibromochloromethane	1	20.2174	0	20	101	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	21.2128	0	20	106	70	130
trans-1,3-Dichloropropene	1	21.2425	0	20	106	70	130
Ethyl methacrylate	1	23.0802	0	20	115	70	130
1,1,2-Trichloroethane	1	22.236	0	20	111	70	130
1,2-Dibromoethane	1	21.1879	0	20	106	70	130
1,3-Dichloropropane	1	22.7236	0	20	114	70	130
4-Methyl-2-Pentanone	1	23.7475	0	20	119	50	150
2-Hexanone	1	24.0906	0	20	120	50	150
Tetrachloroethene	1	22.9372	0	20	115	50	150
Toluene	1	22.5426	0	20	113	70	130
1,1,1,2-Tetrachloroethane	1	20.9034	0	20	105	70	130
Chlorobenzene	1	22.1169	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: MBS101578

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	21.2787	0	20	106	70	130
n-Amyl acetate	1	22.7624	0	20	114	70	130
Bromoform	**1**	**19.0063**	**0**	**20**	**95**	**70**	**130**
Ethylbenzene	**1**	**18.8284**	**0**	**20**	**94**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**20.5184**	**0**	**20**	**103**	**70**	**130**
Styrene	**1**	**20.7936**	**0**	**20**	**104**	**70**	**130**
m&p-Xylenes	**1**	**41.6885**	**0**	**40**	**104**	**70**	**130**
o-Xylene	**1**	**20.6543**	**0**	**20**	**103**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	16.5206	0	20	83	50	150
1,3-Dichlorobenzene	**1**	**19.7081**	**0**	**20**	**99**	**70**	**130**
1,4-Dichlorobenzene	**1**	**19.6401**	**0**	**20**	**98**	**70**	**130**
1,2-Dichlorobenzene	**1**	**18.4925**	**0**	**20**	**92**	**70**	**130**
Isopropylbenzene	**1**	**21.0908**	**0**	**20**	**105**	**70**	**130**
Cyclohexanone	1	81.3219	0	100	81	50	150
Camphene	1	7.7063	0	20	39*	70	130
1,2,3-Trichloropropane	1	19.3726	0	20	97	70	130
2-Chlorotoluene	1	21.0507	0	20	105	70	130
p-Ethyltoluene	1	19.5785	0	20	98	70	130
4-Chlorotoluene	1	19.458	0	20	97	70	130
n-Propylbenzene	1	20.6319	0	20	103	70	130
Bromobenzene	1	21.0781	0	20	105	70	130
1,3,5-Trimethylbenzene	1	20.3457	0	20	102	70	130
Butyl methacrylate	1	20.8602	0	20	104	70	130
t-Butylbenzene	1	19.6482	0	20	98	70	130
1,2,4-Trimethylbenzene	1	20.2425	0	20	101	70	130
sec-Butylbenzene	1	20.2988	0	20	101	70	130
4-Isopropyltoluene	1	20.1087	0	20	101	70	130
n-Butylbenzene	1	19.9898	0	20	100	70	130
p-Diethylbenzene	1	17.1991	0	20	86	70	130
1,2,4,5-Tetramethylbenzene	1	16.2359	0	20	81	70	130
1,2-Dibromo-3-Chloropropane	**1**	**17.7726**	**0**	**20**	**89**	**50**	**150**
Camphor	1	157.4214	0	200	79	20	150
Hexachlorobutadiene	1	20.0093	0	20	100	50	150
1,2,4-Trichlorobenzene	**1**	**19.215**	**0**	**20**	**96**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**20.722**	**0**	**20**	**104**	**70**	**130**
Naphthalene	1	19.9418	0	20	100	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
RPD Data Laboratory Limits
QC Batch: MBS101578

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161688.D	AD30683-007(MSD)	5/13/2022 9:46:00 PM
Duplicate(If applicable):	1M161687.D	AD30683-007(MS)	5/13/2022 9:27:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	6.832	5.8373	16	30
Dichlorodifluoromethane	**1**	**31.7297**	**26.5809**	**18**	**30**
Chloromethane	**1**	**31.8945**	**26.0831**	**20**	**30**
Bromomethane	**1**	**20.2154**	**16.0433**	**23**	**30**
Vinyl Chloride	**1**	**30.2185**	**24.4402**	**21**	**40**
Chloroethane	**1**	**27.5258**	**22.0368**	**22**	**30**
Trichlorofluoromethane	**1**	**24.7203**	**19.3091**	**25**	**30**
Ethyl ether	1	20.1679	16.1975	22	30
Furan	1	20.8475	16.5735	23	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**25.2609**	**20.5914**	**20**	**30**
Methylene Chloride	**1**	**24.5108**	**20.4577**	**18**	**30**
Acrolein	1	122.8301	99.458	21	30
Acrylonitrile	1	26.4709	19.4877	30	30
Iodomethane	1	15.1787	11.8269	25	30
Acetone	**1**	**121.7225**	**108.1911**	**12**	**30**
Carbon Disulfide	**1**	**22.2442**	**17.7461**	**22**	**30**
t-Butyl Alcohol	1	117.5949	111.0363	5.7	30
n-Hexane	1	29.0718	23.1356	23	30
Di-isopropyl-ether	1	25.9247	20.866	22	30
1,1-Dichloroethene	**1**	**25.0723**	**20.2789**	**21**	**40**
Methyl Acetate	**1**	**25.2232**	**21.4644**	**16**	**30**
Methyl-t-butyl ether	**1**	**22.7791**	**18.1286**	**23**	**30**
1,1-Dichloroethane	**1**	**25.7877**	**20.4478**	**23**	**40**
trans-1,2-Dichloroethene	**1**	**24.2105**	**19.4544**	**22**	**30**
Ethyl-t-butyl ether	1	23.0437	19.8352	15	30
cis-1,2-Dichloroethene	**1**	**23.6502**	**21.5544**	**9.3**	**30**
Bromochloromethane	**1**	**27.1512**	**21.2773**	**24**	**30**
2,2-Dichloropropane	1	23.1843	20.4885	12	30
Ethyl acetate	1	22.7234	21.195	7	30
1,4-Dioxane	**1**	**951.811**	**1001.241**	**5.1**	**30**
1,1-Dichloropropene	1	23.747	19.1922	21	30
Chloroform	**1**	**22.9291**	**18.7959**	**20**	**40**
Cyclohexane	**1**	**24.469**	**19.6212**	**22**	**30**
1,2-Dichloroethane	**1**	**21.8197**	**17.3751**	**23**	**40**
2-Butanone	**1**	**27.5436**	**30.5358**	**10**	**40**
1,1,1-Trichloroethane	**1**	**22.4445**	**18.1338**	**21**	**30**
Carbon Tetrachloride	**1**	**22.1176**	**17.8728**	**21**	**40**
Vinyl Acetate	1	27.3914	22.3458	20	30
Bromodichloromethane	**1**	**22.6057**	**18.7286**	**19**	**30**
Methylcyclohexane	**1**	**22.439**	**18.0105**	**22**	**30**
Dibromomethane	1	22.732	18.8462	19	30
1,2-Dichloropropane	**1**	**25.0402**	**20.0565**	**22**	**30**
Trichloroethene	**1**	**21.7317**	**18.5621**	**16**	**40**
Benzene	**1**	**24.2784**	**19.3857**	**22**	**40**
tert-Amyl methyl ether	1	22.5422	18.1514	22	30
Iso-propylacetate	1	23.0682	18.2249	23	30
Methyl methacrylate	1	22.398	18.0803	21	30
Dibromochloromethane	**1**	**20.2174**	**16.2185**	**22**	**30**
2-Chloroethylvinylether	1	0	0	NA	30
cis-1,3-Dichloropropene	**1**	**21.2128**	**16.3118**	**26**	**30**
trans-1,3-Dichloropropene	**1**	**21.2425**	**16.5396**	**25**	**30**
Ethyl methacrylate	1	23.0802	18.6786	21	30
1,1,2-Trichloroethane	**1**	**22.236**	**17.916**	**22**	**30**
1,2-Dibromoethane	**1**	**21.1879**	**16.3079**	**26**	**30**
1,3-Dichloropropane	1	22.7236	17.2806	27	30
4-Methyl-2-Pentanone	**1**	**23.7475**	**18.4025**	**25**	**30**
2-Hexanone	**1**	**24.0906**	**19.7765**	**20**	**30**
Tetrachloroethene	**1**	**22.9372**	**18.2456**	**23**	**40**
Toluene	**1**	**22.5426**	**17.9645**	**23**	**40**
1,1,1,2-Tetrachloroethane	1	20.9034	16.7595	22	30
Chlorobenzene	**1**	**22.1169**	**17.8605**	**21**	**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: MBS101578

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	21.2787	17.1217	22	30
n-Amyl acetate	1	22.7624	18.3062	22	30
Bromoform	**1**	**19.0063**	**15.0376**	**23**	**30**
Ethylbenzene	**1**	**18.8284**	**16.4305**	**14**	**30**
1,1,2,2-Tetrachloroethane	**1**	**20.5184**	**17.1394**	**18**	**30**
Styrene	**1**	**20.7936**	**16.7658**	**21**	**30**
m&p-Xylenes	**1**	**41.6885**	**34.2396**	**20**	**30**
o-Xylene	**1**	**20.6543**	**16.926**	**20**	**30**
trans-1,4-Dichloro-2-butene	1	16.5206	14.4683	13	30
1,3-Dichlorobenzene	**1**	**19.7081**	**15.797**	**22**	**30**
1,4-Dichlorobenzene	**1**	**19.6401**	**15.4182**	**24**	**40**
1,2-Dichlorobenzene	**1**	**18.4925**	**15.4658**	**18**	**40**
Isopropylbenzene	**1**	**21.0908**	**17.2324**	**20**	**30**
Cyclohexanone	1	81.3219	68.9978	16	30
Camphene	1	7.7063	8.6236	11	30
1,2,3-Trichloropropane	1	19.3726	16.3502	17	30
2-Chlorotoluene	1	21.0507	16.7221	23	30
p-Ethyltoluene	1	19.5785	16.4157	18	30
4-Chlorotoluene	1	19.458	16.0073	19	30
n-Propylbenzene	1	20.6319	16.6495	21	40
Bromobenzene	1	21.0781	15.6458	30	30
1,3,5-Trimethylbenzene	1	20.3457	16.6393	20	30
Butyl methacrylate	1	20.8602	16.1305	26	30
t-Butylbenzene	1	19.6482	15.6315	23	30
1,2,4-Trimethylbenzene	1	20.2425	16.3081	22	30
sec-Butylbenzene	1	20.2988	16.6933	19	40
4-Isopropyltoluene	1	20.1087	16.1434	22	30
n-Butylbenzene	1	19.9898	16.3703	20	30
p-Diethylbenzene	1	17.1991	13.6362	23	30
1,2,4,5-Tetramethylbenzene	1	16.2359	12.9473	23	30
1,2-Dibromo-3-Chloropropane	**1**	**17.7726**	**14.7269**	**19**	**30**
Camphor	1	157.4214	136.5638	14	30
Hexachlorobutadiene	1	20.0093	15.8483	23	30
1,2,4-Trichlorobenzene	**1**	**19.215**	**15.5419**	**21**	**30**
1,2,3-Trichlorobenzene	**1**	**20.722**	**16.4782**	**23**	**30**
Naphthalene	1	19.9418	16.1026	21	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: MBS101592

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161749.D	AD30710-001(MS)	5/16/2022 10:22:00 PM
Non Spike(If applicable):	1M161731.D	AD30710-001	5/16/2022 4:46:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	19.6368	0	20	98	50	150
Dichlorodifluoromethane	1	26.7521	0	20	134	50	150
Chloromethane	1	25.4546	0	20	127	50	150
Bromomethane	1	14.161	0	20	71	50	150
Vinyl Chloride	1	34.6087	5.9776	20	143	50	150
Chloroethane	1	26.7112	0	20	134	50	150
Trichlorofluoromethane	1	24.5223	0	20	123	50	150
Ethyl ether	1	19.5331	0	20	98	50	150
Furan	1	20.3712	0	20	102	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	25.126	0	20	126	50	150
Methylene Chloride	1	24.4348	0	20	122	70	130
Acrolein	1	110.7745	0	100	111	50	150
Acrylonitrile	1	24.0845	0	20	120	50	150
Iodomethane	1	12.2525	0	20	61	50	150
Acetone	1	119.2522	0	100	119	50	150
Carbon Disulfide	1	21.8328	0	20	109	50	150
t-Butyl Alcohol	1	122.151	0	100	122	50	150
n-Hexane	1	26.6385	0	20	133*	70	130
Di-isopropyl-ether	1	26.8136	0	20	134*	70	130
1,1-Dichloroethene	1	26.0525	0	20	130	70	130
Methyl Acetate	1	22.7693	0	20	114	50	150
Methyl-t-butyl ether	1	23.9264	0	20	120	70	130
1,1-Dichloroethane	1	25.9072	0	20	130	70	130
trans-1,2-Dichloroethene	1	27.4948	2.5979	20	124	70	130
Ethyl-t-butyl ether	1	25.8963	0	20	129	70	130
cis-1,2-Dichloroethene	1	28.8933	3.7799	20	126	70	130
Bromochloromethane	1	25.7438	0	20	129	70	130
2,2-Dichloropropane	1	22.4891	0	20	112	70	130
Ethyl acetate	1	20.8545	0	20	104	50	150
1,4-Dioxane	1	1052.432	0	1000	105	50	150
1,1-Dichloropropene	1	24.8586	0	20	124	70	130
Chloroform	1	24.4921	0	20	122	70	130
Cyclohexane	1	24.7789	0	20	124	70	130
1,2-Dichloroethane	1	22.529	0	20	113	70	130
2-Butanone	1	27.5696	0	20	138	50	150
1,1,1-Trichloroethane	1	23.8585	0	20	119	70	130
Carbon Tetrachloride	1	23.7094	0	20	119	50	150
Vinyl Acetate	1	26.4581	0	20	132	50	150
Bromodichloromethane	1	23.7843	0	20	119	70	130
Methylcyclohexane	1	22.8285	0	20	114	70	130
Dibromomethane	1	22.7377	0	20	114	70	130
1,2-Dichloropropane	1	25.0816	0	20	125	70	130
Trichloroethene	1	26.2074	1.7851	20	122	70	130
Benzene	1	24.5854	0	20	123	70	130
tert-Amyl methyl ether	1	24.5404	0	20	123	70	130
Iso-propylacetate	1	22.0677	0	20	110	70	130
Methyl methacrylate	1	23.5677	0	20	118	70	130
Dibromochloromethane	1	21.4328	0	20	107	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	22.1776	0	20	111	70	130
trans-1,3-Dichloropropene	1	21.2432	0	20	106	70	130
Ethyl methacrylate	1	22.0689	0	20	110	70	130
1,1,2-Trichloroethane	1	22.1558	0	20	111	70	130
1,2-Dibromoethane	1	21.845	0	20	109	70	130
1,3-Dichloropropane	1	22.5325	0	20	113	70	130
4-Methyl-2-Pentanone	1	22.7851	0	20	114	50	150
2-Hexanone	1	23.7946	0	20	119	50	150
Tetrachloroethene	1	24.2	0	20	121	50	150
Toluene	1	22.9608	0	20	115	70	130
1,1,1,2-Tetrachloroethane	1	22.2369	0	20	111	70	130
Chlorobenzene	1	22.8044	0	20	114	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: MBS101592

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.6177	0	20	113	70	130
n-Amyl acetate	1	22.8833	0	20	114	70	130
Bromoform	**1**	**20.4072**	**0**	**20**	**102**	**70**	**130**
Ethylbenzene	**1**	**20.2872**	**0**	**20**	**101**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**21.2436**	**0**	**20**	**106**	**70**	**130**
Styrene	**1**	**21.6919**	**0**	**20**	**108**	**70**	**130**
m&p-Xylenes	**1**	**44.4385**	**0**	**40**	**111**	**70**	**130**
o-Xylene	**1**	**21.1441**	**0**	**20**	**106**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	13.4498	0	20	67	50	150
1,3-Dichlorobenzene	**1**	**20.1192**	**0**	**20**	**101**	**70**	**130**
1,4-Dichlorobenzene	**1**	**20.0509**	**0**	**20**	**100**	**70**	**130**
1,2-Dichlorobenzene	**1**	**20.8736**	**0**	**20**	**104**	**70**	**130**
Isopropylbenzene	**1**	**22.2432**	**0**	**20**	**111**	**70**	**130**
Cyclohexanone	1	84.3178	0	100	84	50	150
Camphene	1	2.7704	0	20	14*	70	130
1,2,3-Trichloropropane	1	19.8818	0	20	99	70	130
2-Chlorotoluene	1	21.7499	0	20	109	70	130
p-Ethyltoluene	1	21.3011	0	20	107	70	130
4-Chlorotoluene	1	19.7186	0	20	99	70	130
n-Propylbenzene	1	21.2496	0	20	106	70	130
Bromobenzene	1	18.9974	0	20	95	70	130
1,3,5-Trimethylbenzene	1	21.2016	0	20	106	70	130
Butyl methacrylate	1	21.5546	0	20	108	70	130
t-Butylbenzene	1	20.7452	0	20	104	70	130
1,2,4-Trimethylbenzene	1	21.5912	0	20	108	70	130
sec-Butylbenzene	1	21.5709	0	20	108	70	130
4-Isopropyltoluene	1	20.9163	0	20	105	70	130
n-Butylbenzene	1	20.1257	0	20	101	70	130
p-Diethylbenzene	1	18.0089	0	20	90	70	130
1,2,4,5-Tetramethylbenzene	1	17.9834	0	20	90	70	130
1,2-Dibromo-3-Chloropropane	**1**	**18.7145**	**0**	**20**	**94**	**50**	**150**
Camphor	1	186.5351	0	200	93	20	150
Hexachlorobutadiene	1	17.3407	0	20	87	50	150
1,2,4-Trichlorobenzene	**1**	**18.5205**	**0**	**20**	**93**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**19.3993**	**0**	**20**	**97**	**70**	**130**
Naphthalene	1	20.3472	0	20	102	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: MBS101592

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161750.D	AD30710-001(MSD)	5/16/2022 10:41:00 PM
Non Spike(If applicable):	1M161731.D	AD30710-001	5/16/2022 4:46:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	21.811	0	20	109	50	150
Dichlorodifluoromethane	1	28.2945	0	20	141	50	150
Chloromethane	1	27.1055	0	20	136	50	150
Bromomethane	1	13.3799	0	20	67	50	150
Vinyl Chloride	1	31.8452	5.9776	20	129	50	150
Chloroethane	1	26.7905	0	20	134	50	150
Trichlorofluoromethane	1	25.9382	0	20	130	50	150
Ethyl ether	1	21.3589	0	20	107	50	150
Furan	1	21.4825	0	20	107	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	25.8548	0	20	129	50	150
Methylene Chloride	1	25.5227	0	20	128	70	130
Acrolein	1	118.9858	0	100	119	50	150
Acrylonitrile	1	24.9993	0	20	125	50	150
Iodomethane	1	10.4891	0	20	52	50	150
Acetone	1	122.4352	0	100	122	50	150
Carbon Disulfide	1	23.235	0	20	116	50	150
t-Butyl Alcohol	1	125.4793	0	100	125	50	150
n-Hexane	1	26.7692	0	20	134*	70	130
Di-isopropyl-ether	1	27.5568	0	20	138*	70	130
1,1-Dichloroethene	1	26.7245	0	20	134*	70	130
Methyl Acetate	1	23.6401	0	20	118	50	150
Methyl-t-butyl ether	1	25.0193	0	20	125	70	130
1,1-Dichloroethane	1	26.6672	0	20	133*	70	130
trans-1,2-Dichloroethene	1	26.5502	2.5979	20	120	70	130
Ethyl-t-butyl ether	1	24.3273	0	20	122	70	130
cis-1,2-Dichloroethene	1	26.2707	3.7799	20	112	70	130
Bromochloromethane	1	27.2343	0	20	136*	70	130
2,2-Dichloropropane	1	23.4479	0	20	117	70	130
Ethyl acetate	1	23.6414	0	20	118	50	150
1,4-Dioxane	1	1060.279	0	1000	106	50	150
1,1-Dichloropropene	1	26.0084	0	20	130	70	130
Chloroform	1	25.6563	0	20	128	70	130
Cyclohexane	1	25.7752	0	20	129	70	130
1,2-Dichloroethane	1	23.2865	0	20	116	70	130
2-Butanone	1	26.4592	0	20	132	50	150
1,1,1-Trichloroethane	1	24.7403	0	20	124	70	130
Carbon Tetrachloride	1	24.6804	0	20	123	50	150
Vinyl Acetate	1	27.8451	0	20	139	50	150
Bromodichloromethane	1	25.1366	0	20	126	70	130
Methylcyclohexane	1	23.6592	0	20	118	70	130
Dibromomethane	1	24.4583	0	20	122	70	130
1,2-Dichloropropane	1	26.3676	0	20	132*	70	130
Trichloroethene	1	24.8744	1.7851	20	115	70	130
Benzene	1	25.2024	0	20	126	70	130
tert-Amyl methyl ether	1	25.0594	0	20	125	70	130
Iso-propylacetate	1	22.574	0	20	113	70	130
Methyl methacrylate	1	24.2949	0	20	121	70	130
Dibromochloromethane	1	21.1685	0	20	106	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	22.4758	0	20	112	70	130
trans-1,3-Dichloropropene	1	22.8812	0	20	114	70	130
Ethyl methacrylate	1	23.7907	0	20	119	70	130
1,1,2-Trichloroethane	1	22.7065	0	20	114	70	130
1,2-Dibromoethane	1	21.8777	0	20	109	70	130
1,3-Dichloropropane	1	22.9435	0	20	115	70	130
4-Methyl-2-Pentanone	1	24.7956	0	20	124	50	150
2-Hexanone	1	24.6138	0	20	123	50	150
Tetrachloroethene	1	22.9988	0	20	115	50	150
Toluene	1	23.4976	0	20	117	70	130
1,1,1,2-Tetrachloroethane	1	23.3637	0	20	117	70	130
Chlorobenzene	1	23.4877	0	20	117	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: MBS101592

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	24.6656	0	20	123	70	130
n-Amyl acetate	1	24.2395	0	20	121	70	130
Bromoform	**1**	**20.2613**	**0**	**20**	**101**	**70**	**130**
Ethylbenzene	**1**	**21.2987**	**0**	**20**	**106**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**21.8992**	**0**	**20**	**109**	**70**	**130**
Styrene	**1**	**22.7767**	**0**	**20**	**114**	**70**	**130**
m&p-Xylenes	**1**	**44.912**	**0**	**40**	**112**	**70**	**130**
o-Xylene	**1**	**21.4974**	**0**	**20**	**107**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	13.6017	0	20	68	50	150
1,3-Dichlorobenzene	**1**	**21.1729**	**0**	**20**	**106**	**70**	**130**
1,4-Dichlorobenzene	**1**	**20.319**	**0**	**20**	**102**	**70**	**130**
1,2-Dichlorobenzene	**1**	**21.3877**	**0**	**20**	**107**	**70**	**130**
Isopropylbenzene	**1**	**23.0912**	**0**	**20**	**115**	**70**	**130**
Cyclohexanone	1	72.6739	0	100	73	50	150
Camphene	1	3.568	0	20	18*	70	130
1,2,3-Trichloropropane	1	19.7986	0	20	99	70	130
2-Chlorotoluene	1	22.4371	0	20	112	70	130
p-Ethyltoluene	1	21.9568	0	20	110	70	130
4-Chlorotoluene	1	20.1934	0	20	101	70	130
n-Propylbenzene	1	22.0379	0	20	110	70	130
Bromobenzene	1	21.2085	0	20	106	70	130
1,3,5-Trimethylbenzene	1	22.1273	0	20	111	70	130
Butyl methacrylate	1	22.5949	0	20	113	70	130
t-Butylbenzene	1	21.4889	0	20	107	70	130
1,2,4-Trimethylbenzene	1	22.5835	0	20	113	70	130
sec-Butylbenzene	1	21.8843	0	20	109	70	130
4-Isopropyltoluene	1	21.6122	0	20	108	70	130
n-Butylbenzene	1	20.6566	0	20	103	70	130
p-Diethylbenzene	1	18.9808	0	20	95	70	130
1,2,4,5-Tetramethylbenzene	1	18.281	0	20	91	70	130
1,2-Dibromo-3-Chloropropane	**1**	**18.1501**	**0**	**20**	**91**	**50**	**150**
Camphor	1	194.3528	0	200	97	20	150
Hexachlorobutadiene	1	17.6889	0	20	88	50	150
1,2,4-Trichlorobenzene	**1**	**20.2421**	**0**	**20**	**101**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**21.5535**	**0**	**20**	**108**	**70**	**130**
Naphthalene	1	22.0513	0	20	110	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: MBS101592

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161750.D	AD30710-001(MSD)	5/16/2022 10:41:00 PM
Duplicate(If applicable):	1M161749.D	AD30710-001(MS)	5/16/2022 10:22:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	21.811	19.6368	10	30
Dichlorodifluoromethane	**1**	**28.2945**	**26.7521**	**5.6**	**30**
Chloromethane	**1**	**27.1055**	**25.4546**	**6.3**	**30**
Bromomethane	**1**	**13.3799**	**14.161**	**5.7**	**30**
Vinyl Chloride	**1**	**31.8452**	**34.6087**	**8.3**	**40**
Chloroethane	**1**	**26.7905**	**26.7112**	**0.3**	**30**
Trichlorofluoromethane	**1**	**25.9382**	**24.5223**	**5.6**	**30**
Ethyl ether	1	21.3589	19.5331	8.9	30
Furan	1	21.4825	20.3712	5.3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**25.8548**	**25.126**	**2.9**	**30**
Methylene Chloride	**1**	**25.5227**	**24.4348**	**4.4**	**30**
Acrolein	1	118.9858	110.7745	7.1	30
Acrylonitrile	1	24.9993	24.0845	3.7	30
Iodomethane	1	10.4891	12.2525	16	30
Acetone	**1**	**122.4352**	**119.2522**	**2.6**	**30**
Carbon Disulfide	**1**	**23.235**	**21.8328**	**6.2**	**30**
t-Butyl Alcohol	1	125.4793	122.151	2.7	30
n-Hexane	1	26.7692	26.6385	0.49	30
Di-isopropyl-ether	1	27.5568	26.8136	2.7	30
1,1-Dichloroethene	**1**	**26.7245**	**26.0525**	**2.5**	**40**
Methyl Acetate	**1**	**23.6401**	**22.7693**	**3.8**	**30**
Methyl-t-butyl ether	**1**	**25.0193**	**23.9264**	**4.5**	**30**
1,1-Dichloroethane	**1**	**26.6672**	**25.9072**	**2.9**	**40**
trans-1,2-Dichloroethene	**1**	**26.5502**	**27.4948**	**3.5**	**30**
Ethyl-t-butyl ether	1	24.3273	25.8963	6.2	30
cis-1,2-Dichloroethene	**1**	**26.2707**	**28.8933**	**9.5**	**30**
Bromochloromethane	**1**	**27.2343**	**25.7438**	**5.6**	**30**
2,2-Dichloropropane	1	23.4479	22.4891	4.2	30
Ethyl acetate	1	23.6414	20.8545	13	30
1,4-Dioxane	**1**	**1060.279**	**1052.432**	**0.74**	**30**
1,1-Dichloropropene	1	26.0084	24.8586	4.5	30
Chloroform	**1**	**25.6563**	**24.4921**	**4.6**	**40**
Cyclohexane	**1**	**25.7752**	**24.7789**	**3.9**	**30**
1,2-Dichloroethane	**1**	**23.2865**	**22.529**	**3.3**	**40**
2-Butanone	**1**	**26.4592**	**27.5696**	**4.1**	**40**
1,1,1-Trichloroethane	**1**	**24.7403**	**23.8585**	**3.6**	**30**
Carbon Tetrachloride	**1**	**24.6804**	**23.7094**	**4**	**40**
Vinyl Acetate	1	27.8451	26.4581	5.1	30
Bromodichloromethane	**1**	**25.1366**	**23.7843**	**5.5**	**30**
Methylcyclohexane	**1**	**23.6592**	**22.8285**	**3.6**	**30**
Dibromomethane	1	24.4583	22.7377	7.3	30
1,2-Dichloropropane	**1**	**26.3676**	**25.0816**	**5**	**30**
Trichloroethene	**1**	**24.8744**	**26.2074**	**5.2**	**40**
Benzene	**1**	**25.2024**	**24.5854**	**2.5**	**40**
tert-Amyl methyl ether	1	25.0594	24.5404	2.1	30
Iso-propylacetate	1	22.574	22.0677	2.3	30
Methyl methacrylate	1	24.2949	23.5677	3	30
Dibromochloromethane	**1**	**21.1685**	**21.4328**	**1.2**	**30**
2-Chloroethylvinylether	1	0	0	NA	30
cis-1,3-Dichloropropene	**1**	**22.4758**	**22.1776**	**1.3**	**30**
trans-1,3-Dichloropropene	**1**	**22.8812**	**21.2432**	**7.4**	**30**
Ethyl methacrylate	1	23.7907	22.0689	7.5	30
1,1,2-Trichloroethane	**1**	**22.7065**	**22.1558**	**2.5**	**30**
1,2-Dibromoethane	**1**	**21.8777**	**21.845**	**0.15**	**30**
1,3-Dichloropropane	1	22.9435	22.5325	1.8	30
4-Methyl-2-Pentanone	**1**	**24.7956**	**22.7851**	**8.5**	**30**
2-Hexanone	**1**	**24.6138**	**23.7946**	**3.4**	**30**
Tetrachloroethene	**1**	**22.9988**	**24.2**	**5.1**	**40**
Toluene	**1**	**23.4976**	**22.9608**	**2.3**	**40**
1,1,1,2-Tetrachloroethane	1	23.3637	22.2369	4.9	30
Chlorobenzene	**1**	**23.4877**	**22.8044**	**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: MBS101592

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	24.6656	22.6177	8.7	30
n-Amyl acetate	1	24.2395	22.8833	5.8	30
Bromoform	**1**	**20.2613**	**20.4072**	**0.72**	**30**
Ethylbenzene	**1**	**21.2987**	**20.2872**	**4.9**	**30**
1,1,2,2-Tetrachloroethane	**1**	**21.8992**	**21.2436**	**3**	**30**
Styrene	**1**	**22.7767**	**21.6919**	**4.9**	**30**
m&p-Xylenes	**1**	**44.912**	**44.4385**	**1.1**	**30**
o-Xylene	**1**	**21.4974**	**21.1441**	**1.7**	**30**
trans-1,4-Dichloro-2-butene	1	13.6017	13.4498	1.1	30
1,3-Dichlorobenzene	**1**	**21.1729**	**20.1192**	**5.1**	**30**
1,4-Dichlorobenzene	**1**	**20.319**	**20.0509**	**1.3**	**40**
1,2-Dichlorobenzene	**1**	**21.3877**	**20.8736**	**2.4**	**40**
Isopropylbenzene	**1**	**23.0912**	**22.2432**	**3.7**	**30**
Cyclohexanone	1	72.6739	84.3178	15	30
Camphene	1	3.568	2.7704	25	30
1,2,3-Trichloropropane	1	19.7986	19.8818	0.42	30
2-Chlorotoluene	1	22.4371	21.7499	3.1	30
p-Ethyltoluene	1	21.9568	21.3011	3	30
4-Chlorotoluene	1	20.1934	19.7186	2.4	30
n-Propylbenzene	1	22.0379	21.2496	3.6	40
Bromobenzene	1	21.2085	18.9974	11	30
1,3,5-Trimethylbenzene	1	22.1273	21.2016	4.3	30
Butyl methacrylate	1	22.5949	21.5546	4.7	30
t-Butylbenzene	1	21.4889	20.7452	3.5	30
1,2,4-Trimethylbenzene	1	22.5835	21.5912	4.5	30
sec-Butylbenzene	1	21.8843	21.5709	1.4	40
4-Isopropyltoluene	1	21.6122	20.9163	3.3	30
n-Butylbenzene	1	20.6566	20.1257	2.6	30
p-Diethylbenzene	1	18.9808	18.0089	5.3	30
1,2,4,5-Tetramethylbenzene	1	18.281	17.9834	1.6	30
1,2-Dibromo-3-Chloropropane	**1**	**18.1501**	**18.7145**	**3.1**	**30**
Camphor	1	194.3528	186.5351	4.1	30
Hexachlorobutadiene	1	17.6889	17.3407	2	30
1,2,4-Trichlorobenzene	**1**	**20.2421**	**18.5205**	**8.9**	**30**
1,2,3-Trichlorobenzene	**1**	**21.5535**	**19.3993**	**11**	**30**
Naphthalene	1	22.0513	20.3472	8	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: 1M161543.D
Matrix: Aqueous

Blank Analysis Date: 05/11/22 15:20
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
MBS101555	1M161546.D	05/11/22 16:17
AD30683-007	1M161571.D	05/12/22 00:06

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M161680.D
Matrix: Aqueous

Blank Analysis Date: 05/13/22 19:16
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD30710-002	1M161681.D	05/13/22 19:35
AD30710-003	1M161682.D	05/13/22 19:54
AD30683-007(MSD	1M161688.D	05/13/22 21:46
AD30683-007(MS)	1M161687.D	05/13/22 21:27
MBS101578	1M161686.D	05/13/22 21:09

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 1M161730.D
Matrix: Aqueous

Blank Analysis Date: 05/16/22 16:27
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD30710-001	1M161731.D	05/16/22 16:46
AD30710-001(MS)	1M161749.D	05/16/22 22:22
MBS101592	1M161737.D	05/16/22 18:38
AD30710-001(MSD	1M161750.D	05/16/22 22:41

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M160725.D
Analysis Date: 04/21/22 16:24
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.515 to 7.544 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.5	47634	PASS
75	95	30	60	52.9	123226	PASS
95	95	100	100	100.0	232903	PASS
96	95	5	9	6.8	15947	PASS
173	174	0.00	2	0.9	1800	PASS
174	95	50	100	82.7	192578	PASS
175	174	5	9	7.4	14181	PASS
176	174	95	101	96.9	186666	PASS
177	176	5	9	6.4	11957	PASS

Data File	Sample Number	Analysis Date:
1M160726.D	CAL @ 0.5 PPB	04/21/22 16:45
1M160727.D	CAL @ 1 PPB	04/21/22 17:06
1M160728.D	CAL @ 5 PPB	04/21/22 17:27
1M160729.D	CAL @ 10 PPB	04/21/22 17:48
1M160730.D	CAL @ 20 PPB	04/21/22 18:09
1M160731.D	CAL @ 50 PPB	04/21/22 18:29
1M160732.D	CAL @ 500 PPB	04/21/22 18:50
1M160734.D	CAL @ 250 PPB	04/21/22 19:32
1M160736.D	CAL @ 100 PPB	04/21/22 20:14
1M160741.D	ICV	04/21/22 21:58

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M161535.D
Analysis Date: 05/11/22 12:54
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.515 to 7.515 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.8	18480	PASS
75	95	30	60	56.1	47648	PASS
95	95	100	100	100.0	84912	PASS
96	95	5	9	6.0	5104	PASS
173	174	0.00	2	1.9	1317	PASS
174	95	50	100	80.7	68520	PASS
175	174	5	9	8.9	6098	PASS
176	174	95	101	98.1	67208	PASS
177	176	5	9	7.5	5037	PASS

Data File	Sample Number	Analysis Date:
1M161538.D	CAL @ 20PPB	05/11/22 13:46
1M161540.D	BLK	05/11/22 14:24
1M161541.D	HCL	05/11/22 14:42
1M161542.D	DAILY BLANK	05/11/22 15:01
1M161543.D	DAILY BLANK	05/11/22 15:20
1M161544.D	AD30683-012	05/11/22 15:39
1M161545.D	AD30683-002	05/11/22 15:58
1M161546.D	MBS101555	05/11/22 16:17
1M161547.D	30679-003	05/11/22 16:35
1M161548.D	AD30682-026	05/11/22 16:54
1M161549.D	AD30682-025	05/11/22 17:13
1M161550.D	AD30682-013	05/11/22 17:31
1M161551.D	MBS101556	05/11/22 17:50
1M161552.D	AD30683-010(MS:	05/11/22 18:09
1M161553.D	AD30683-011(MSD	05/11/22 18:28
1M161554.D	BLK	05/11/22 18:47
1M161555.D	BLK	05/11/22 19:06
1M161556.D	AD30683-013	05/11/22 19:24
1M161557.D	AD30682-029	05/11/22 19:43
1M161558.D	AD30682-030	05/11/22 20:02
1M161559.D	AD30679-017	05/11/22 20:21
1M161560.D	AD30667-003	05/11/22 20:39
1M161561.D	AD30667-013	05/11/22 20:58
1M161562.D	AD30683-013	05/11/22 21:17
1M161563.D	AD30682-029	05/11/22 21:36
1M161564.D	AD30682-030	05/11/22 21:54
1M161565.D	AD30683-003	05/11/22 22:13
1M161566.D	AD30683-005	05/11/22 22:32
1M161567.D	AD30683-008	05/11/22 22:51
1M161568.D	AD30683-001	05/11/22 23:10
1M161569.D	AD30683-004	05/11/22 23:28
1M161570.D	AD30683-006	05/11/22 23:47
1M161571.D	AD30683-007	05/12/22 00:06
1M161572.D	AD30683-009	05/12/22 00:24
1M161573.D	AD30679-017	05/12/22 00:43
1M161574.D	BLK	05/12/22 01:02

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M161671.D
Analysis Date: 05/13/22 16:33
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.502 to 7.515 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.9	44368	PASS
75	95	30	60	57.7	95227	PASS
95	95	100	100	100.0	164962	PASS
96	95	5	9	6.1	10023	PASS
173	174	0.00	2	1.9	2492	PASS
174	95	50	100	81.0	133602	PASS
175	174	5	9	8.7	11678	PASS
176	174	95	101	96.4	128762	PASS
177	176	5	9	8.0	10282	PASS

Data File	Sample Number	Analysis Date:
1M161672.D	STD	05/13/22 16:52
1M161675.D	STD	05/13/22 17:42
1M161676.D	CAL @ 20 PPB	05/13/22 18:01
1M161677.D	BLK	05/13/22 18:19
1M161678.D	DI	05/13/22 18:38
1M161679.D	DAILY BLANK	05/13/22 18:57
1M161680.D	DAILY BLANK	05/13/22 19:16
1M161681.D	AD30710-002	05/13/22 19:35
1M161682.D	AD30710-003	05/13/22 19:54
1M161683.D	AD30732-001	05/13/22 20:12
1M161684.D	AD30732-002	05/13/22 20:31
1M161685.D	AD30721-002	05/13/22 20:50
1M161686.D	MBS101578	05/13/22 21:09
1M161687.D	AD30683-007(MS)	05/13/22 21:27
1M161688.D	AD30683-007(MSD	05/13/22 21:46
1M161689.D	BLK	05/13/22 22:05
1M161690.D	BLK	05/13/22 22:24
1M161691.D	AD30721-001	05/13/22 22:43
1M161692.D	AD30721-003	05/13/22 23:02
1M161693.D	AD30721-004	05/13/22 23:20
1M161694.D	AD30722-009	05/13/22 23:39
1M161695.D	AD30722-010	05/13/22 23:58
1M161696.D	AD30722-011	05/14/22 00:17
1M161697.D	AD30709-005	05/14/22 00:35
1M161698.D	AD30709-006	05/14/22 00:54
1M161699.D	AD30709-007	05/14/22 01:13
1M161700.D	AD30709-008	05/14/22 01:32
1M161701.D	AD30710-001	05/14/22 01:51
1M161702.D	AD30701-001	05/14/22 02:09
1M161703.D	AD30698-011	05/14/22 02:28
1M161704.D	AD30698-009	05/14/22 02:47
1M161705.D	AD30698-010	05/14/22 03:06
1M161706.D	BLK	05/14/22 03:24

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M161720.D
Analysis Date: 05/16/22 13:32
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.508 to 7.508 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	29.9	31872	PASS
75	95	30	60	58.9	62680	PASS
95	95	100	100	100.0	106440	PASS
96	95	5	9	5.3	5669	PASS
173	174	0.00	2	0.7	672	PASS
174	95	50	100	94.1	100168	PASS
175	174	5	9	7.7	7738	PASS
176	174	95	101	96.4	96520	PASS
177	176	5	9	5.2	5047	PASS

Data File	Sample Number	Analysis Date:
1M161722.D	STD	05/16/22 14:05
1M161723.D	CAL @ 20 PPB	05/16/22 14:24
1M161728.D	DI	05/16/22 15:50
1M161729.D	DAILY BLANK	05/16/22 16:09
1M161730.D	DAILY BLANK	05/16/22 16:27
1M161731.D	AD30710-001	05/16/22 16:46
1M161732.D	AD30744-006	05/16/22 17:04
1M161733.D	AD30773-001	05/16/22 17:23
1M161734.D	AD30773-002	05/16/22 17:42
1M161735.D	AD30729-001	05/16/22 18:01
1M161736.D	MBS101591	05/16/22 18:19
1M161737.D	MBS101592	05/16/22 18:38
1M161738.D	AD30736-004	05/16/22 18:57
1M161739.D	AD30776-007	05/16/22 19:15
1M161740.D	AD30776-006(40uL	05/16/22 19:34
1M161741.D	30776-002(80uL)	05/16/22 19:52
1M161742.D	AD30776-001(400u	05/16/22 20:11
1M161743.D	AD30736-004(MS)	05/16/22 20:30
1M161744.D	AD30736-004(MSD	05/16/22 20:48
1M161745.D	BLK	05/16/22 21:07
1M161746.D	BLK	05/16/22 21:26
1M161747.D	AD30723-003(0.8u	05/16/22 21:45
1M161748.D	AD30723-004(0.8u	05/16/22 22:04
1M161749.D	AD30710-001(MS)	05/16/22 22:22
1M161750.D	AD30710-001(MSD	05/16/22 22:41
1M161751.D	STD	05/16/22 23:00
1M161752.D	STD	05/16/22 23:18

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M160730.D Method: EPA 8260D

Analysis Date/Time: 04/21/22 18:09

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:	1400547	5.16	1030203	6.88	497699	8.19								
Eval File Area Limit:	700274-2801094		515102-2060406		248850-995398									
Eval File Rt Limit:	4.66-5.66		6.38-7.38		7.69-8.69									

Data File	Sample#													
1M160726.D	CAL @ 0.5 PPB	1319158	5.16	972005	6.88	421013	8.19							
1M160727.D	CAL @ 1 PPB	1424400	5.16	1059942	6.88	470198	8.19							
1M160728.D	CAL @ 5 PPB	1470235	5.16	1082026	6.88	520332	8.19							
1M160729.D	CAL @ 10 PPB	1396689	5.16	1014298	6.88	472851	8.19							
1M160730.D	CAL @ 20 PPB	1400547	5.16	1030203	6.88	497699	8.19							
1M160731.D	CAL @ 50 PPB	1429558	5.15	1043113	6.88	512387	8.19							
1M160732.D	CAL @ 500 PPB	1511165	5.15	1105937	6.88	656638	8.19							
1M160734.D	CAL @ 250 PPB	1587347	5.16	1153397	6.88	599672	8.19							
1M160736.D	CAL @ 100 PPB	1556056	5.16	1132587	6.88	530437	8.19							
1M160741.D	ICV	1361844	5.16	993098	6.88	469962	8.19							

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.

2051213 0053

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M161538.D Method: EPA 8260D

Analysis Date/Time: 05/11/22 13:46

Lab File ID: CAL @ 20PPB

	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:	1289915	5.15	1012768	6.87	489403	8.19								
Eval File Area Limit:	644958-2579830		506384-2025536		244702-978806									
Eval File Rt Limit:	4.65-5.65		6.37-7.37		7.69-8.69									

Data File	Sample#													
1M161540.D	BLK	1344541	5.15	1053227	6.87	524959	8.19							
1M161541.D	HCL	1345296	5.15	1077647	6.87	509317	8.19							
1M161542.D	DAILY BLANK	1316286	5.15	1030697	6.87	478986	8.19							
1M161543.D	DAILY BLANK	1235206	5.15	970064	6.87	440595	8.18							
1M161544.D	AD30683-012	1200257	5.15	950583	6.87	429019	8.19							
1M161545.D	AD30683-002	1185208	5.15	926632	6.87	430444	8.19							
1M161546.D	MBS101555	1316890	5.15	1061094	6.87	529832	8.19							
1M161547.D	30679-003	1305092	5.15	1009326	6.87	493375	8.19							
1M161548.D	AD30682-026	1218182	5.15	961116	6.87	491356	8.19							
1M161549.D	AD30682-025	1361739	5.15	1069332	6.87	545658	8.19							
1M161550.D	AD30682-013	1336509	5.15	1027073	6.87	574233	8.19							
1M161551.D	MBS101556	1635232	5.15	1289435	6.87	643806	8.18							
1M161552.D	AD30683-010(MS:AD	1479824	5.15	1189777	6.87	623555	8.18							
1M161553.D	AD30683-011(MSD:A	1600430	5.15	1270361	6.87	639701	8.19							
1M161554.D	BLK	1571396	5.15	1197412	6.87	583622	8.19							
1M161555.D	BLK	1574475	5.15	1206704	6.87	594478	8.18							
1M161556.D	AD30683-013	1600961	5.15	1270923	6.87	637130	8.19							
1M161557.D	AD30682-029	1477112	5.15	1145722	6.87	553487	8.18							
1M161558.D	AD30682-030	1564664	5.15	1237746	6.87	626021	8.19							
1M161559.D	AD30679-017	1472269	5.15	1142394	6.87	553226	8.19							
1M161560.D	AD30667-003	1572226	5.15	1250165	6.87	611237	8.19							
1M161561.D	AD30667-013	1467406	5.15	1124914	6.87	542774	8.18							
1M161562.D	AD30683-013	1519472	5.15	1212978	6.87	593820	8.19							
1M161563.D	AD30682-029	1483138	5.15	1141231	6.87	547065	8.19							
1M161564.D	AD30682-030	1434857	5.15	1130571	6.87	547773	8.19							
1M161565.D	AD30683-003	1503738	5.15	1200002	6.87	580928	8.19							
1M161566.D	AD30683-005	1512520	5.15	1198470	6.87	575065	8.19							
1M161567.D	AD30683-008	1440977	5.15	1156955	6.87	558295	8.19							
1M161568.D	AD30683-001	1415984	5.15	1124931	6.87	535181	8.19							
1M161569.D	AD30683-004	1443994	5.15	1146901	6.87	568426	8.19							
1M161570.D	AD30683-006	1349068	5.15	1063104	6.87	509235	8.18							
1M161571.D	AD30683-007	1323387	5.15	1019870	6.87	485477	8.19							

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: 1M161538.D Method: EPA 8260D

Analysis Date/Time: 05/11/22 13:46

Lab File ID: CAL @ 20PPB

	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:	1289915	5.15	1012768	6.87	489403	8.19								
Eval File Area Limit:	644958-2579830		506384-2025536		244702-978806									
Eval File Rt Limit:	4.65-5.65		6.37-7.37		7.69-8.69									
Data File Sample#														
1M161572.D AD30683-009	1371747	5.15	1068676	6.87	511254	8.19								
1M161573.D AD30679-017	1338553	5.15	1065367	6.87	499150	8.19								
1M161574.D BLK	1352945	5.15	1078424	6.87	517839	8.19								

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.

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M161676.D Method: EPA 8260D

Analysis Date/Time: 05/13/22 18:01

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:	1199373	5.15	924553	6.87	487837	8.18								
Eval File Area Limit:	599686-2398746		462276-1849106		243918-975674									
Eval File Rt Limit:	4.65-5.65		6.37-7.37		7.68-8.68									

Data File	Sample#													
1M161672.D	STD	1084335	5.15	854563	6.87	448083	8.18							
1M161675.D	STD	1230111	5.15	932757	6.87	467714	8.18							
1M161677.D	BLK	1112277	5.15	849490	6.87	425492	8.19							
1M161678.D	DI	1086257	5.15	846095	6.87	411951	8.18							
1M161679.D	DAILY BLANK	1131413	5.15	902532	6.87	428179	8.18							
1M161680.D	DAILY BLANK	1053991	5.15	845681	6.87	387813	8.18							
1M161681.D	AD30710-002	1103757	5.15	890158	6.87	413168	8.18							
1M161682.D	AD30710-003	1040631	5.15	816658	6.87	385051	8.18							
1M161685.D	AD30721-002	1046003	5.15	851234	6.87	409301	8.18							
1M161686.D	MBS101578	1051989	5.15	860314	6.87	440017	8.18							
1M161687.D	AD30683-007(MS)	1121773	5.15	901263	6.87	470930	8.18							
1M161688.D	AD30683-007(MSD)	1050701	5.15	822059	6.87	447496	8.18							
1M161689.D	BLK	1025564	5.15	785864	6.87	382629	8.18							
1M161690.D	BLK	1089530	5.15	856526	6.87	402234	8.18							
1M161691.D	AD30721-001	1030420	5.15	823551	6.87	403321	8.18							
1M161692.D	AD30721-003	1099851	5.15	883099	6.87	427714	8.18							
1M161693.D	AD30721-004	1088173	5.15	869455	6.87	411994	8.19							
1M161694.D	AD30722-009	1090033	5.15	884181	6.87	427927	8.18							
1M161695.D	AD30722-010	1073627	5.15	887716	6.87	423229	8.18							
1M161696.D	AD30722-011	1070517	5.15	846270	6.87	396754	8.18							
1M161697.D	AD30709-005	1081268	5.15	889202	6.87	477903	8.18							
1M161698.D	AD30709-006	1072358	5.15	869177	6.87	532626	8.18							
1M161699.D	AD30709-007	1247858	5.15	994112	6.87	549499	8.18							
1M161700.D	AD30709-008	1237930	5.15	947140	6.87	480004	8.18							
1M161701.D	AD30710-001	1205170	5.15	940458	6.87	479254	8.18							
1M161702.D	AD30701-001	1176898	5.15	914296	6.87	451765	8.18							
1M161703.D	AD30698-011	1104890	5.15	856575	6.87	414287	8.19							
1M161704.D	AD30698-009	1081745	5.15	881091	6.87	425539	8.18							
1M161705.D	AD30698-010	1132628	5.15	907734	6.87	439842	8.18							
1M161706.D	BLK	1202003	5.15	958501	6.87	498836	8.18							

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.

2051213 0056

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M161723.D Method: EPA 8260D

Analysis Date/Time: 05/16/22 14:24

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:	1192006	5.15	964629	6.87	493878	8.18								
Eval File Area Limit:	596003-2384012		482314-1929258		246939-987756									
Eval File Rt Limit:	4.65-5.65		6.37-7.37		7.68-8.68									

Data File	Sample#													
1M161722.D	STD	1025044	5.15	820654	6.87	396362	8.18							
1M161728.D	DI	1095472	5.15	873388	6.87	402060	8.18							
1M161729.D	DAILY BLANK	1103860	5.15	838467	6.87	389889	8.18							
1M161730.D	DAILY BLANK	1073902	5.15	840835	6.87	386626	8.18							
1M161731.D	AD30710-001	1079699	5.15	875453	6.87	405442	8.18							
1M161732.D	AD30744-006	1080626	5.15	859232	6.87	389511	8.18							
1M161733.D	AD30773-001	1107625	5.15	891880	6.87	416424	8.18							
1M161734.D	AD30773-002	1082153	5.15	861565	6.87	404971	8.18							
1M161735.D	AD30729-001	1169825	5.15	928900	6.87	507750	8.18							
1M161736.D	MBS101591	1462192	5.15	1206466	6.87	616151	8.18							
1M161737.D	MBS101592	1436421	5.15	1158524	6.87	585156	8.18							
1M161738.D	AD30736-004	1453727	5.15	1127583	6.87	569423	8.18							
1M161739.D	AD30776-007	1591118	5.15	1252078	6.87	630192	8.18							
1M161740.D	AD30776-006(40uL)	1421331	5.15	1145673	6.87	583441	8.18							
1M161741.D	30776-002(80uL)	1473143	5.15	1158134	6.87	590263	8.18							
1M161742.D	AD30776-001(400uL)	1488267	5.15	1195575	6.87	618269	8.18							
1M161743.D	AD30736-004(MS)	1436376	5.15	1120397	6.87	580590	8.18							
1M161744.D	AD30736-004(MSD)	1441186	5.15	1106491	6.87	565663	8.18							
1M161745.D	BLK	1426955	5.15	1113313	6.87	568937	8.18							
1M161746.D	BLK	1377802	5.15	1069424	6.87	535020	8.18							
1M161747.D	AD30723-003(0.8uL)	1464096	5.15	1154056	6.87	578209	8.18							
1M161748.D	AD30723-004(0.8uL)	1417187	5.15	1113225	6.87	551264	8.18							
1M161749.D	AD30710-001(MS)	1419838	5.15	1136890	6.87	577154	8.18							
1M161750.D	AD30710-001(MSD)	1442446	5.15	1171234	6.87	608051	8.18							
1M161751.D	STD	1398749	5.15	1080202	6.87	567353	8.18							
1M161752.D	STD	1367738	5.15	1051854	6.87	545285	8.18							

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I3 = 1,4-Dichlorobenzene-d4
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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.

GC/MS Volatile Data
Sample Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD30710-001
Client Id: MW-1
Data File: 1M161731.D
Analysis Date: 05/16/22 16:46
Date Rec/Extracted: 05/12/22-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**3.8**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.66	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	**156-60-5**	**trans-1,2-Dichloroethene**	**1.0**	**2.6**
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**1.8**
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	**75-01-4**	**Vinyl Chloride**	**1.0**	**6.0**
1330-20-7	Xylenes (Total)	1.0	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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD30710-001
Client Id: MW-1
Data File: 1M161731.D
Analysis Date: 05/16/22 16:46
Date Rec/Extracted: 05/12/22-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0J

Worksheet #: 640914

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Quantitation Report (QT Reviewed)

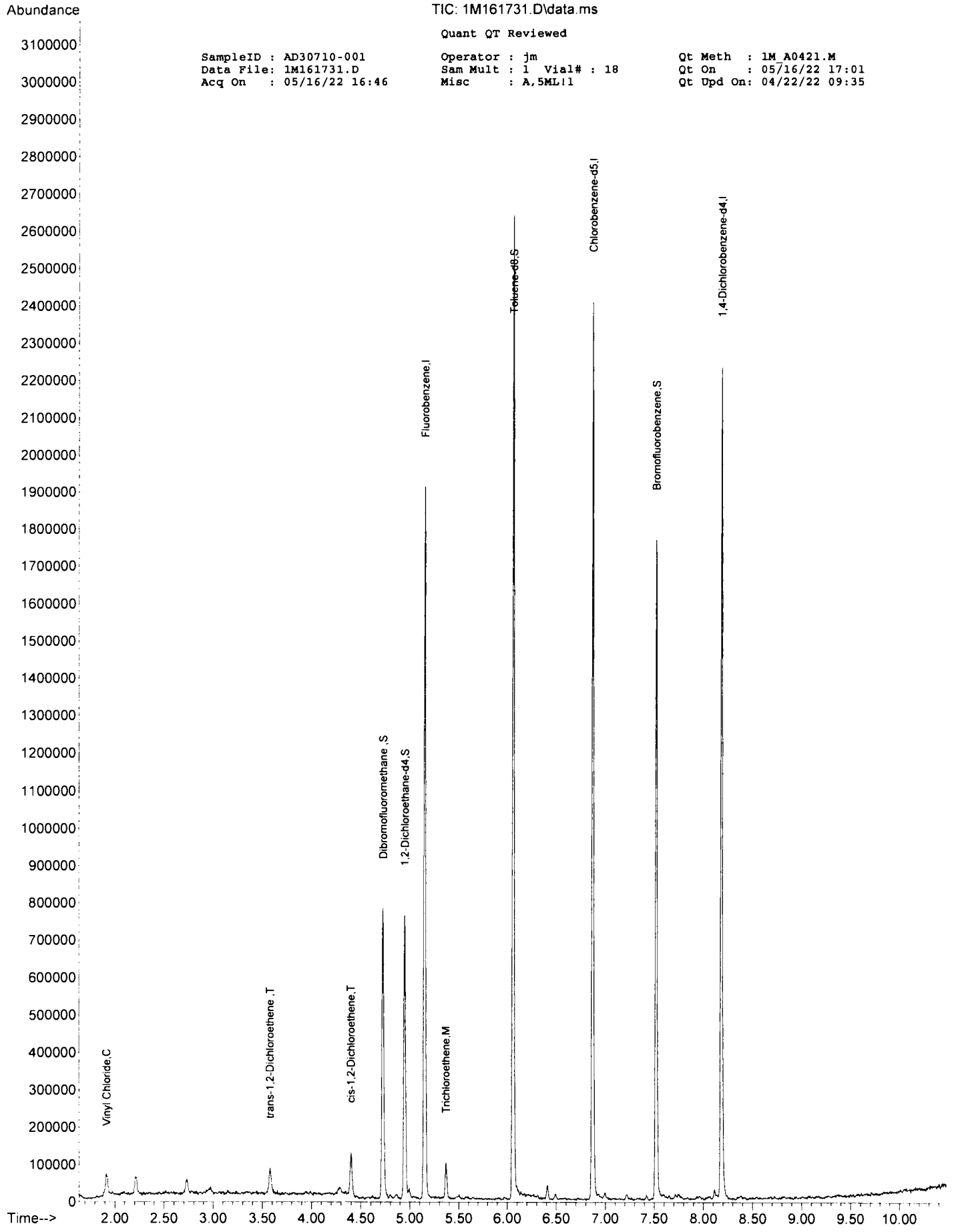
SampleID : AD30710-001 Operator : jm Qt Meth : 1M_A0421.M
Data File: 1M161731.D Sam Mult : 1 Vial# : 18 Qt On : 05/16/22 17:01
Acq On : 05/16/22 16:46 Misc : A,5ML!1 Qt Upd On: 04/22/22 09:35

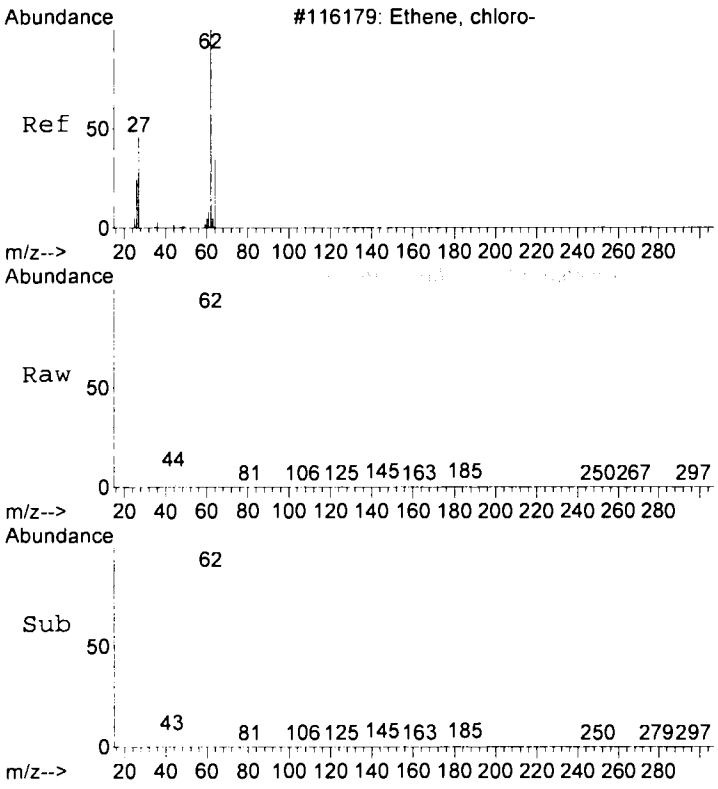
Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.151	96	1079699	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	875453	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.183	152	405442	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.727	111	308433	32.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.83%			
39) 1,2-Dichloroethane-d4	4.949	67	174474	33.78	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.60%			
66) Toluene-d8	6.058	98	1110862	28.38	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.60%			
76) Bromofluorobenzene	7.518	174	331308	29.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.17%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.917	62	44782m	5.9776	ug/l	
28) trans-1,2-Dichloroethene	3.579	96	20044m	2.5979	ug/l	
30) cis-1,2-Dichloroethene	4.399	61	48788m	3.7799	ug/l	
49) Trichloroethene	5.367	130	14388m	1.7851	ug/l	

No Library Search Compounds Found

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

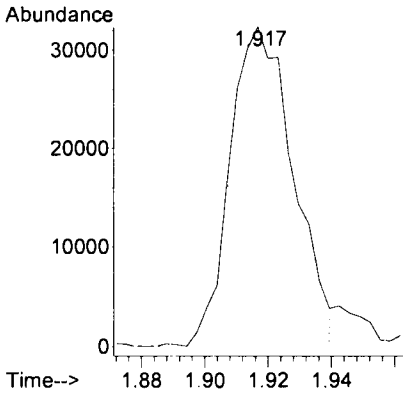

Abundance
TIC: 1M161731.D\data.ms
Quant QT Reviewed
SampleID : AD30710-001
Data File: 1M161731.D
Acq On : 05/16/22 16:46
Operator : jm
Sam Mult : 1 Vial# : 18
Misc : A,5ML!1
Qt Meth : 1M_A0421.M
Qt On : 05/16/22 17:01
Qt Upd On: 04/22/22 09:35
Vinyl Chloride,C
trans-1,2-Dichloroethene ,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

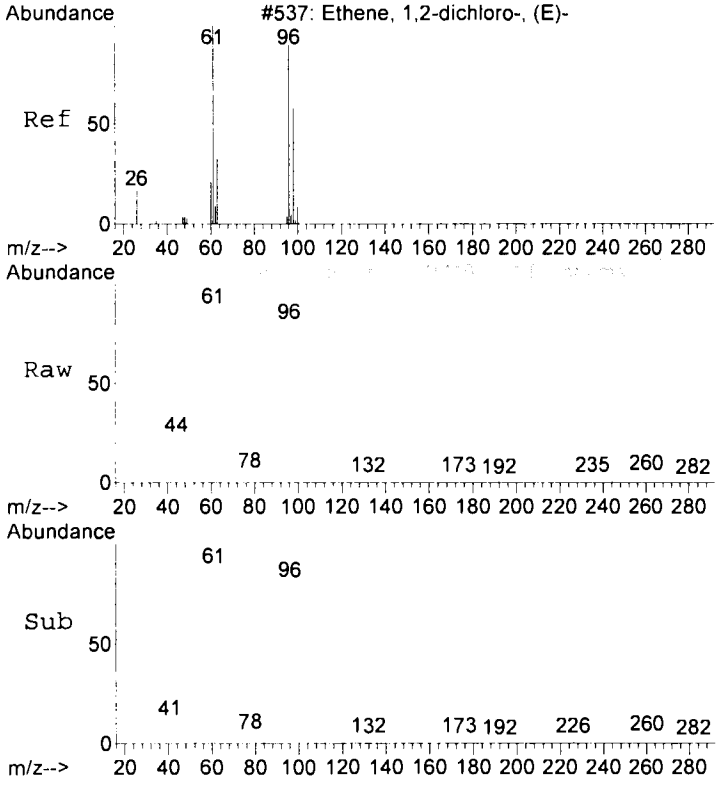


#9
Vinyl Chloride
Concen: 5.98 ug/l m
RT: 1.917 min Scan# 87
Delta R.T. -0.003 min
Lab File: 1M161731.D
Acq: 16 May 2022 16:46

Tgt Ion: 62 Resp: 44782

Ion	Ratio	Lower	Upper
62	100		
64	24.3	0.0	71.0

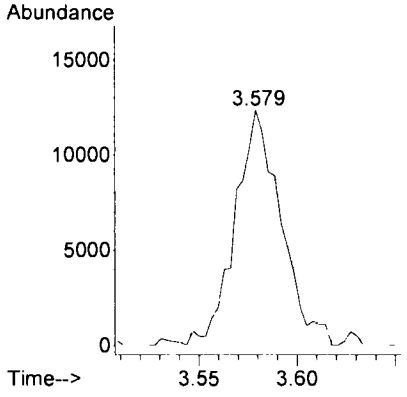


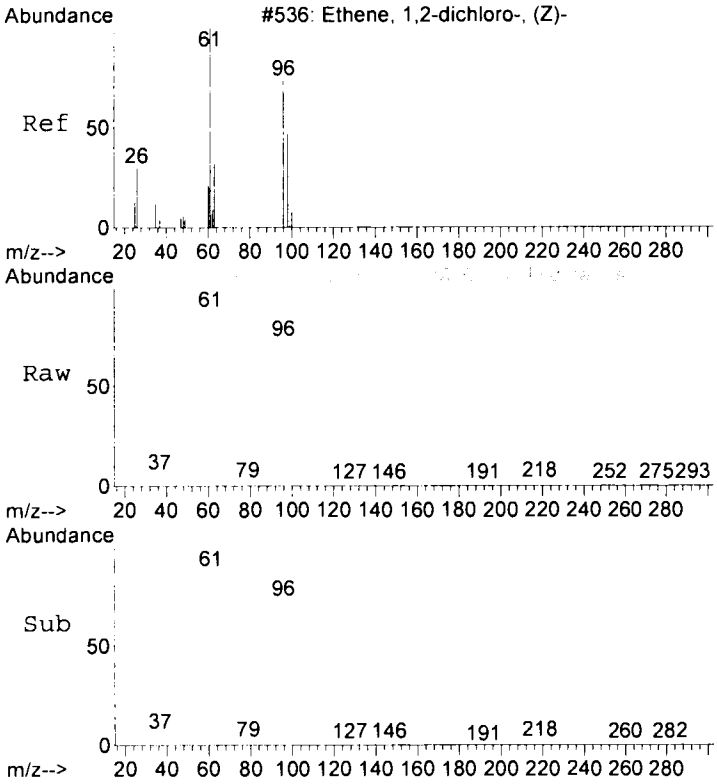


#28
trans-1,2-Dichloroethene
Concen: 2.60 ug/l m
RT: 3.579 min Scan# 604
Delta R.T. -0.006 min
Lab File: 1M161731.D
Acq: 16 May 2022 16:46

Tgt Ion: 96 Resp: 20044

Ion	Ratio	Lower	Upper
96	100		
61	124.4	52.2	202.2
98	55.6	24.4	104.4

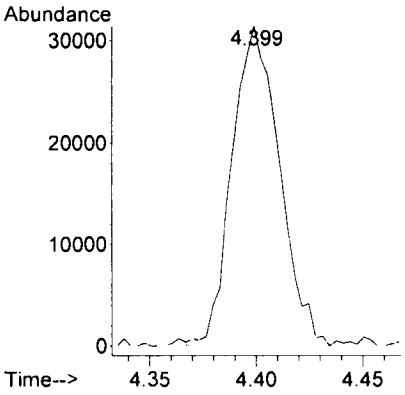


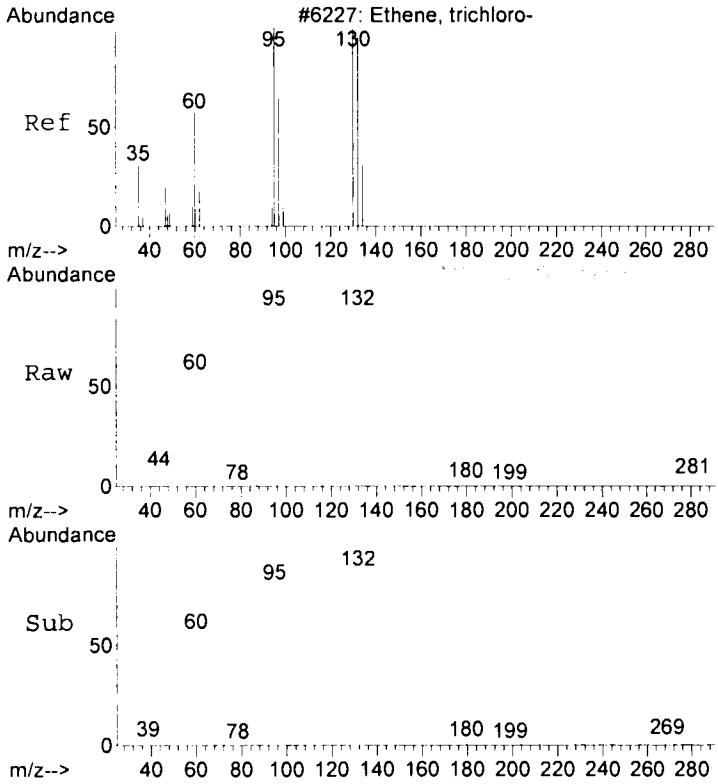


#30
cis-1,2-Dichloroethene
Concen: 3.78 ug/l m
RT: 4.399 min Scan# 859
Delta R.T. -0.010 min
Lab File: 1M161731.D
Acq: 16 May 2022 16:46

Tgt Ion: 61 Resp: 48788

Ion	Ratio	Lower	Upper
61	100		
96	73.5	33.4	113.4
98	51.1	6.5	86.5

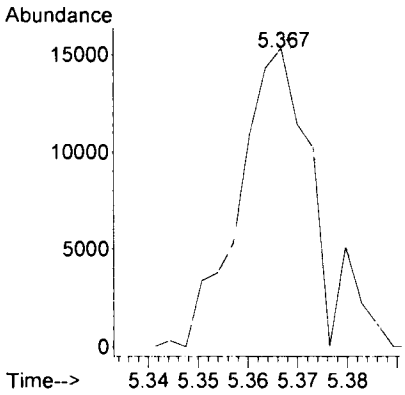




#49
Trichloroethene
Concen: 1.79 ug/l m
RT: 5.367 min Scan# 1160
Delta R.T. -0.006 min
Lab File: 1M161731.D
Acq: 16 May 2022 16:46

Tgt Ion:130 Resp: 14388

Ion	Ratio	Lower	Upper
130	100		
132	106.2	57.1	137.1
95	105.5	45.2	145.2



LSC Area Percent Report

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Data File : 1M161731.D
Acq On : 16 May 2022 16:46
Operator : jm
Sample : AD30710-001
Misc : A,5ML!1
ALS Vial : 18 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M161731.D\data.ms

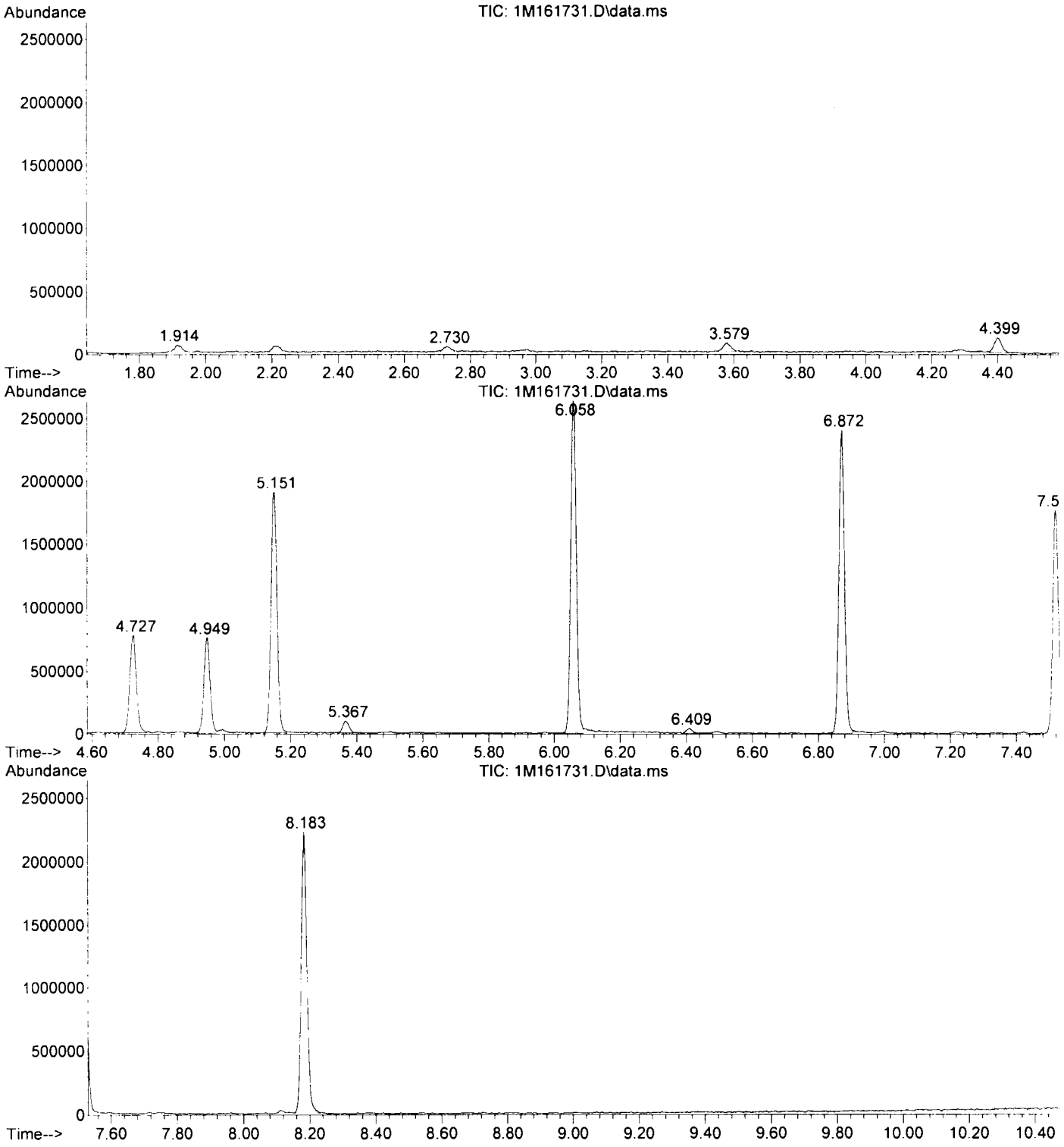
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.914	79	86	88	rBV3	50179	47278	1.53%	0.301%
2	2.730	333	340	348	rVB7	37140	54724	1.77%	0.349%
3	3.579	595	604	614	rVB6	66818	106271	3.44%	0.678%
4	4.399	851	859	871	rVB3	120618	188426	6.09%	1.201%
5	4.727	950	961	973	rBV2	777178	1087503	35.17%	6.934%
6	4.949	1018	1030	1039	rBV	760948	981642	31.74%	6.259%
7	5.151	1083	1093	1105	rBV	1905832	2403174	77.71%	15.324%
8	5.367	1152	1160	1167	rBV4	96007	120116	3.88%	0.766%
9	6.058	1364	1375	1384	rBV	2636135	3092513	100.00%	19.719%
10	6.409	1477	1484	1492	rVB5	39319	47539	1.54%	0.303%
11	6.872	1617	1628	1638	rBV	2402864	2830544	91.53%	18.049%
12	7.518	1818	1829	1839	rBV	1765931	2110906	68.26%	13.460%
13	8.183	2026	2036	2052	rBV	2222598	2612022	84.46%	16.655%

Sum of corrected areas: 15682658

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Data File : 1M161731.D
Acq On : 16 May 2022 16:46
Operator : jm
Sample : AD30710-001
Misc : A,5ML!1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Data File : 1M161731.D
Acq On : 16 May 2022 16:46
Operator : jm
Sample : AD30710-001
Misc : A,5ML!1
ALS Vial : 18 Sample Multiplier: 1

Quant Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD30710-002
Client Id: FB20220511
Data File: 1M161681.D
Analysis Date: 05/13/22 19:35
Date Rec/Extracted: 05/12/22-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.66	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 640914

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD30710-002
Client Id: FB20220511
Data File: 1M161681.D
Analysis Date: 05/13/22 19:35
Date Rec/Extracted: 05/12/22-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 640914

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

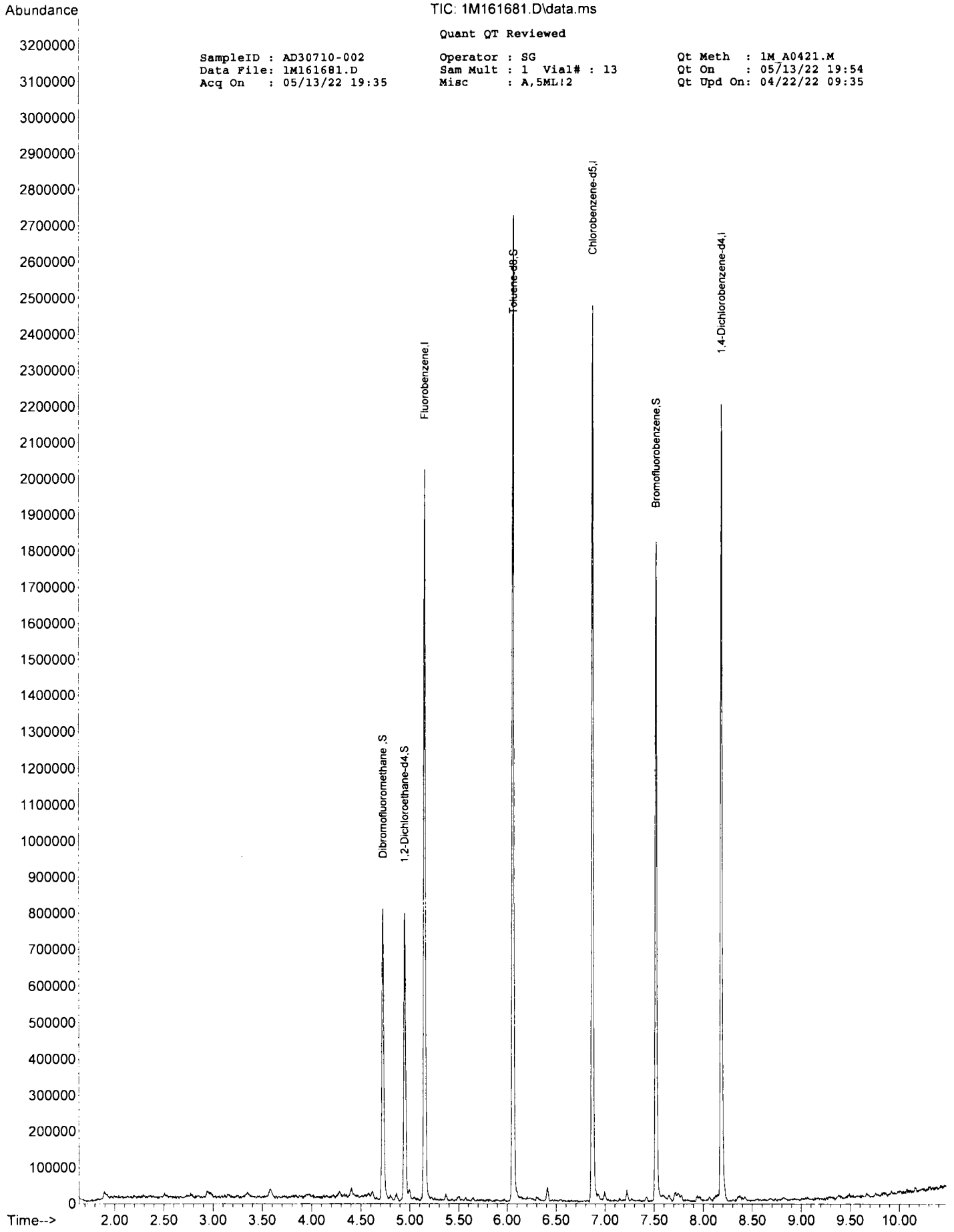
Quantitation Report (QT Reviewed)

SampleID : AD30710-002 Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161681.D Sam Mult : 1 Vial# : 13 Qt On : 05/13/22 19:54
Acq On : 05/13/22 19:35 Misc : A,5ML!2 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.151	96	1103757	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	890158	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.183	152	413168	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.727	111	315809	32.10	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.00%			
39) 1,2-Dichloroethane-d4	4.949	67	179000	33.90	ug/l	0.00
Spiked Amount 30.000			Recovery = 113.00%			
66) Toluene-d8	6.061	98	1138295	28.60	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.33%			
76) Bromofluorobenzene	7.518	174	334321	29.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.20%			
Target Compounds						Qvalue
No Library Search Compounds Found						

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


Abundance
TIC: 1M161681.D\data.ms
Quant QT Reviewed
SampleID : AD30710-002
Data File: 1M161681.D
Acq On : 05/13/22 19:35
Operator : SG
Sam Mult : 1 Vial# : 13
Misc : A,5ML;2
Qt Meth : 1M_A0421.M
Qt On : 05/13/22 19:54
Qt Upd On: 04/22/22 09:35
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Data File : 1M161681.D
Acq On : 13 May 2022 19:35
Operator : SG
Sample : AD30710-002
Misc : A,5ML!2
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M161681.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.727	949	961	979	rBV	805945	1124567	35.37%	7.214%
2	4.949	1021	1030	1039	rBV2	791045	1009964	31.76%	6.479%
3	5.151	1083	1093	1109	rBV	2014096	2446446	76.94%	15.693%
4	6.061	1364	1376	1387	rBV	2720139	3179548	100.00%	20.396%
5	6.412	1479	1485	1492	rVB7	39066	50169	1.58%	0.322%
6	6.872	1618	1628	1642	rBV	2475920	2923617	91.95%	18.754%
7	7.521	1820	1830	1846	rBV	1818229	2162093	68.00%	13.869%
8	8.183	2027	2036	2050	rVB2	2191390	2692564	84.68%	17.272%

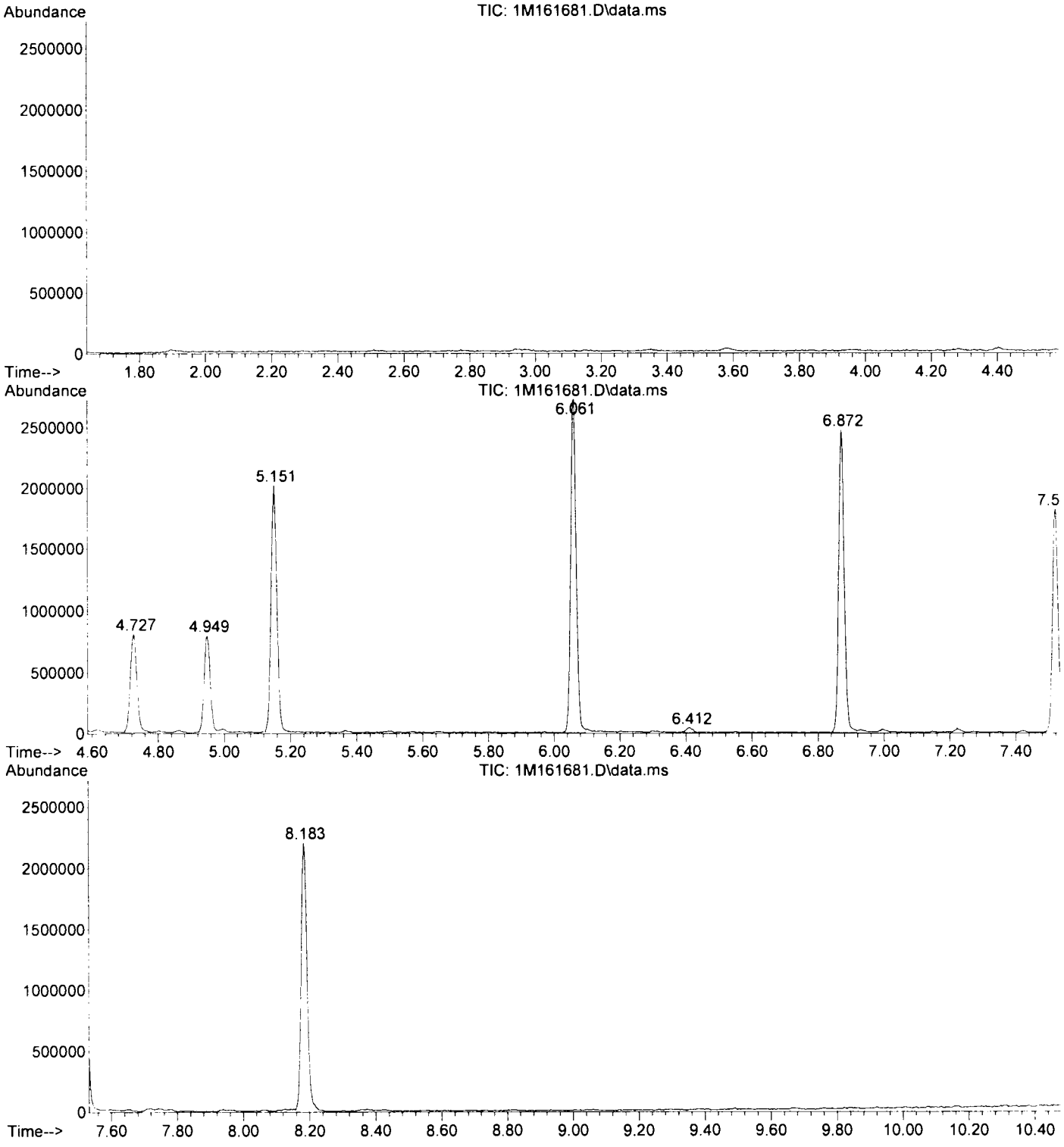
Sum of corrected areas: 15588968

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Data File : 1M161681.D
Acq On : 13 May 2022 19:35
Operator : SG
Sample : AD30710-002
Misc : A,5ML!2
ALS Vial : 13 Sample Multiplier: 1

Quant Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Data File : 1M161681.D
Acq On : 13 May 2022 19:35
Operator : SG
Sample : AD30710-002
Misc : A,5ML!2
ALS Vial : 13 Sample Multiplier: 1

Quant Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD30710-003
Client Id: TB20220511
Data File: 1M161682.D
Analysis Date: 05/13/22 19:54
Date Rec/Extracted: 05/12/22-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.66	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 640914

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number:	AD30710-003	Matrix:	Aqueous
Client Id:	TB20220511	Initial Vol:	5ml
Data File:	1M161682.D	Final Vol:	NA
Analysis Date:	05/13/22 19:54	Dilution:	1.00
Date Rec/Extracted:	05/12/22-NA	Solids:	
		Method:	EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 640914

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

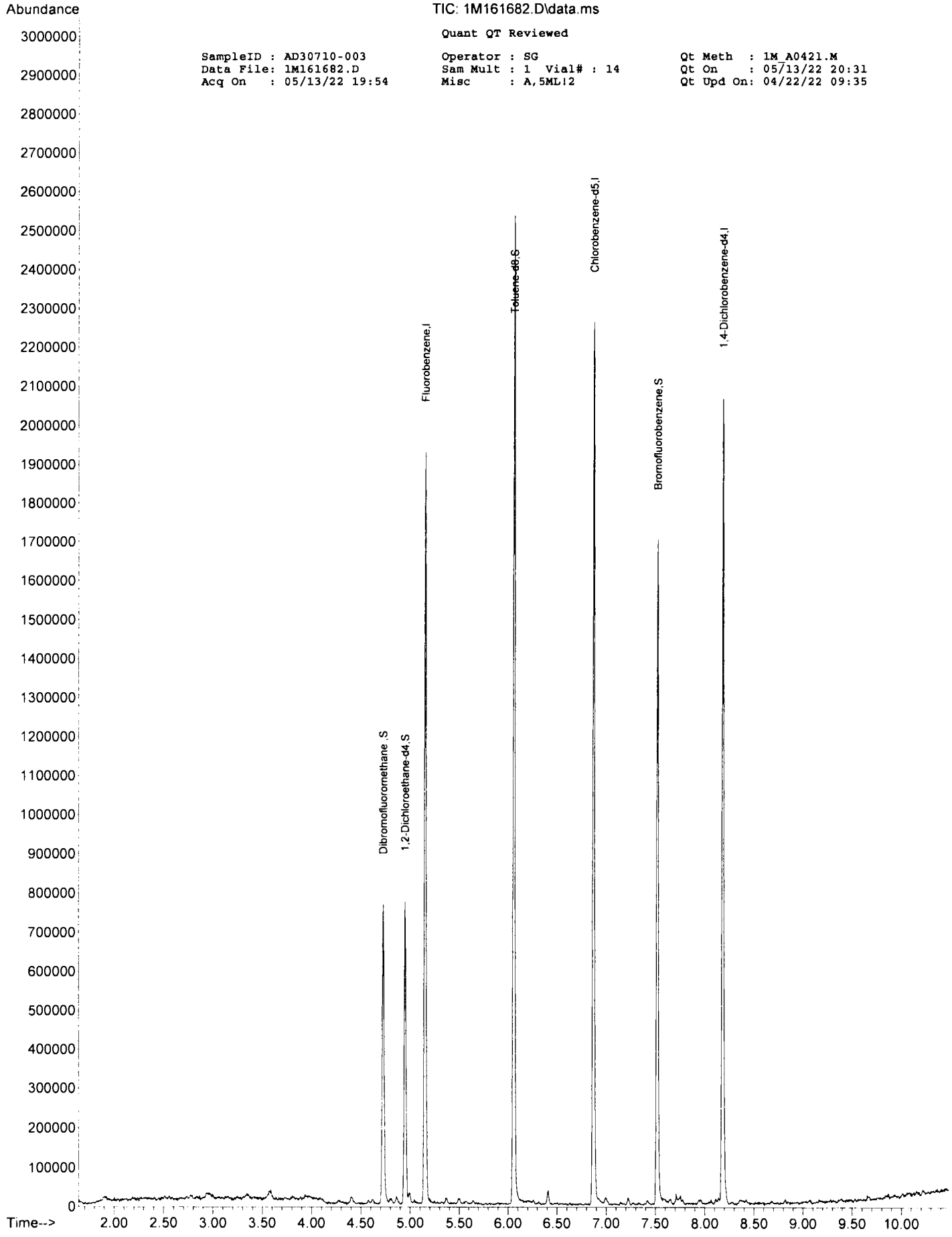
Quantitation Report (QT Reviewed)

SampleID : AD30710-003 Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161682.D Sam Mult : 1 Vial# : 14 Qt On : 05/13/22 20:31
Acq On : 05/13/22 19:54 Misc : A,5ML!2 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.151	96	1040631	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	816658	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.183	152	385051	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.727	111	296071	31.92	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.40%			
39) 1,2-Dichloroethane-d4	4.949	67	163510	32.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.50%			
66) Toluene-d8	6.058	98	1064774	29.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.20%			
76) Bromofluorobenzene	7.521	174	317233	29.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.97%			
Target Compounds						Qvalue
No Library Search Compounds Found						

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


Abundance
TIC: 1M161682.D\data.ms
Quant QT Reviewed
SampleID : AD30710-003
Data File: 1M161682.D
Acq On : 05/13/22 19:54
Operator : SG
Sam Mult : 1 Vial# : 14
Misc : A,5ML!2
Qt Meth : 1M_A0421.M
Qt On : 05/13/22 20:31
Qt Upd On: 04/22/22 09:35
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Data File : 1M161682.D
Acq On : 13 May 2022 19:54
Operator : SG
Sample : AD30710-003
Misc : A,5ML!2
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M161682.D\data.ms

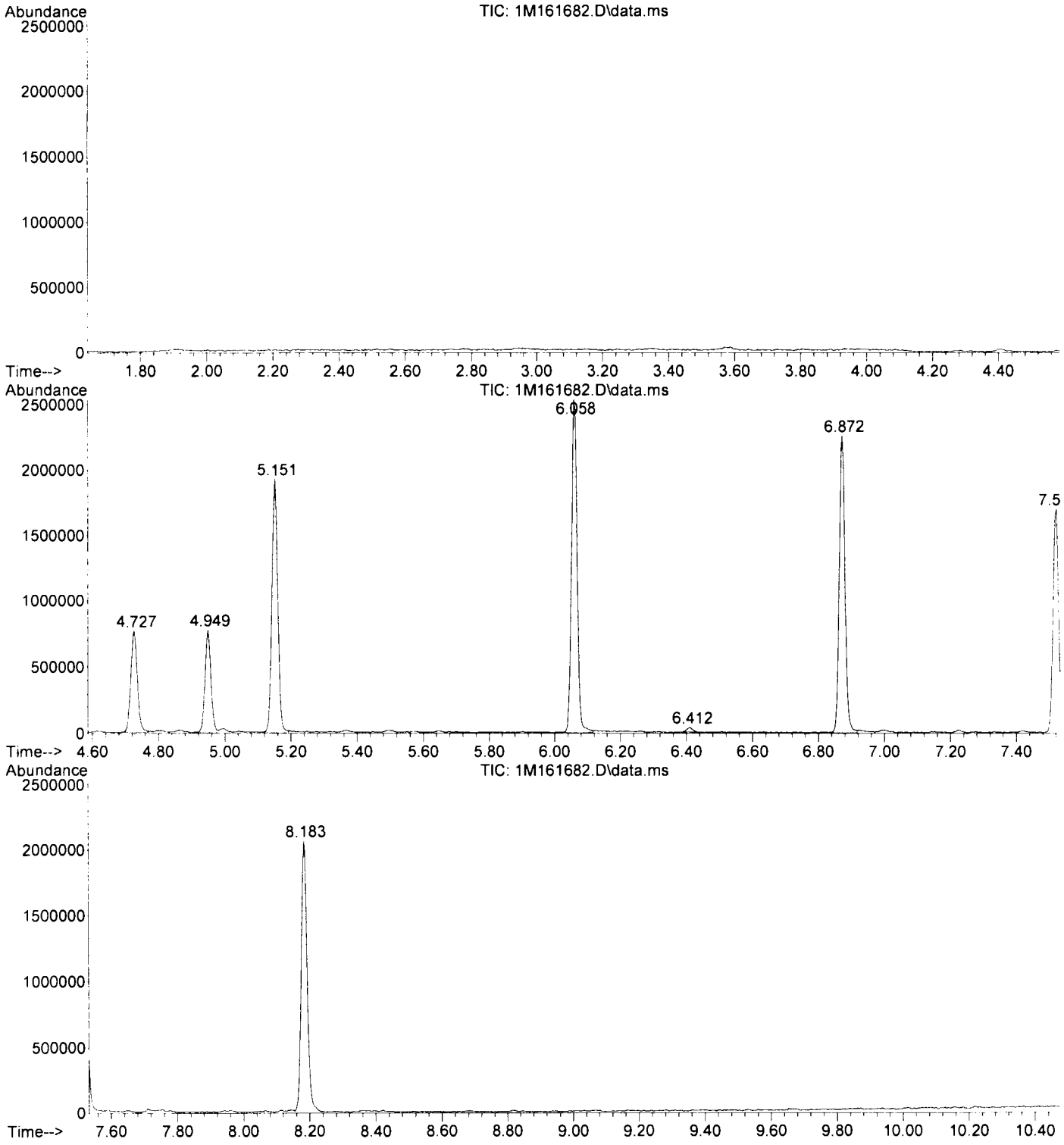
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.727	950	961	975	rBV	763772	1056296	34.94%	7.160%
2	4.949	1019	1030	1039	rBV2	773576	951221	31.47%	6.448%
3	5.151	1082	1093	1106	rBV	1926293	2343025	77.51%	15.882%
4	6.058	1363	1375	1393	rBV	2532647	3023028	100.00%	20.492%
5	6.412	1478	1485	1491	rVB9	35494	41791	1.38%	0.283%
6	6.872	1615	1628	1642	rBV	2261161	2745939	90.83%	18.614%
7	7.521	1818	1830	1844	rBV	1702765	2044929	67.65%	13.862%
8	8.183	2027	2036	2056	rVB	2062330	2546104	84.22%	17.259%

Sum of corrected areas: 14752333

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Data File : 1M161682.D
Acq On : 13 May 2022 19:54
Operator : SG
Sample : AD30710-003
Misc : A,5ML!2
ALS Vial : 14 Sample Multiplier: 1

Quant Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Data File : 1M161682.D
Acq On : 13 May 2022 19:54
Operator : SG
Sample : AD30710-003
Misc : A,5ML!2
ALS Vial : 14 Sample Multiplier: 1

Quant Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard ExpRT	Internal Standard ActRt	Internal Standard Resp	Internal Standard Conc

No Library Search Compounds Detected
****

GC/MS Volatile Data
Standards Data

2051213 0082

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	1M160730.D	CAL @ 20 PPB	04/21/22 18:09	2	1M160728.D	CAL @ 5 PPB	04/21/22 17:27
3	1M160729.D	CAL @ 10 PPB	04/21/22 17:48	4	1M160731.D	CAL @ 50 PPB	04/21/22 18:29
5	1M160736.D	CAL @ 100 PPB	04/21/22 20:14	6	1M160734.D	CAL @ 250 PPB	04/21/22 19:32
7	1M160732.D	CAL @ 500 PPB	04/21/22 18:50	8	1M160727.D	CAL @ 1 PPB	04/21/22 17:06
9	1M160726.D	CAL @ 0.5 PPB	04/21/22 16:45				

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	0.2023	0.1561	0.1797	0.2140	0.2743	0.2783	0.2699	0.1719	-----	0.218	1.67	0.999	0.999	23	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluorometha	1	0	Qua	0.1224	0.0979	0.1177	0.1432	0.1815	0.1758	0.1690	0.0853	-----	0.137	1.66	0.999	1.00	27	0.10 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.1553	0.1530	0.1712	0.1658	0.1778	0.1704	0.1649	0.1899	-----	0.169	1.83	1.00	1.00	7.1	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.1456	0.1551	0.1627	0.1388	0.1747	0.1753	0.2095	0.2068	-----	0.171	2.21	0.994	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Chloride	1	0	Avg	0.1994	0.1831	0.2086	0.2072	0.2271	0.2152	0.2109	0.2134	-----	0.208	1.92	1.00	1.00	6.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.1390	0.1416	0.1505	0.1439	0.1501	0.1482	0.1524	0.1850	-----	0.151	2.29	1.00	1.00	9.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethan	1	0	Avg	0.3682	0.3827	0.3927	0.3857	0.3973	0.3953	0.3724	0.4382	-----	0.392	2.51	0.999	1.00	5.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.1707	0.1697	0.1892	0.1804	0.1815	0.1858	0.1861	0.2170	-----	0.185	2.74	1.00	1.00	7.9	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.3435	0.3426	0.3614	0.3622	0.3529	0.3540	0.3404	0.4402	-----	0.362	2.78	1.00	1.00	9.0	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	0.1693	0.1807	0.1852	0.1772	0.1811	0.1852	0.1827	0.2330	-----	0.187	2.93	1.00	1.00	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.1892	0.1890	0.2036	0.1919	0.1972	0.1969	0.1943	0.2527	-----	0.202	3.34	1.00	1.00	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0349	0.0325	0.0353	0.0359	0.0379	0.0387	0.0372	0.0399	-----	0.0366	2.86	1.00	1.00	6.5		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.0695	0.0667	0.0855	0.0748	0.0751	0.0756	0.0764	0.0871	-----	0.0764	3.55	1.00	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Qua	0.2190	0.1418	0.2032	0.2629	0.2413	0.2721	0.2818	0.1411	-----	0.220	3.09	0.999	1.00	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.0485	0.0497	0.0539	0.0507	0.0526	0.0516	0.0548	0.0773	-----	0.0549	2.98	0.999	1.00	17	0.10 a	100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.4693	0.4331	0.4745	0.5060	0.5350	0.5462	0.5387	0.5599	-----	0.508	3.16	1.00	1.00	8.8	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0183	0.0177	0.0208	0.0192	0.0199	0.0199	0.0196	0.0226	-----	0.0198	3.42	1.00	1.00	7.6		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.1733	0.1676	0.1850	0.1787	0.1775	0.1823	0.1822	0.2277	-----	0.184	3.82	1.00	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.5670	0.5400	0.5842	0.5813	0.5962	0.6120	0.6062	0.6441	-----	0.591	3.99	1.00	1.00	5.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethene	1	0	Avg	0.2906	0.3010	0.3213	0.3018	0.3146	0.3137	0.3035	0.3996	-----	0.318	2.95	1.00	1.00	11	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.1383	0.1310	0.1577	0.1374	0.1411	0.1422	0.1437	0.1930	-----	0.148	3.25	1.00	1.00	13	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Qua	0.5514	0.5272	0.5968	0.5586	0.5795	0.5851	0.5857	0.7076	1.0206	0.635	3.58	1.00	1.00	24	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	0.3463	0.3559	0.3856	0.3667	0.3733	0.3715	0.3707	0.4727	-----	0.380	3.95	1.00	1.00	10	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	0.1982	0.2076	0.2194	0.2106	0.2131	0.2141	0.2154	0.2362	-----	0.214	3.59	1.00	1.00	5.1	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	0.5331	0.5343	0.5978	0.5603	0.6198	0.6235	0.6054	0.6226	-----	0.587	4.28	1.00	1.00	6.6	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,2-Dichloroethene	1	0	Avg	0.3037	0.3316	0.3693	0.3222	0.3655	0.3567	0.3703	0.4494	-----	0.359	4.41	1.00	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.1579	0.1619	0.1793	0.1645	0.1757	0.1618	0.1520	0.1981	-----	0.169	4.58	0.998	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2,2-Dichloropropane	1	0	Avg	0.3112	0.3096	0.3534	0.3231	0.3262	0.3319	0.3443	0.4084	-----	0.339	4.42	1.00	1.00	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.1755	0.1694	0.1924	0.1770	0.2024	0.1938	0.2028	0.1980	-----	0.189	4.44	0.999	1.00	6.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dioxane	1	0	Avg	0.0017	0.0017	0.0022	0.0020	0.0023	0.0024	0.0024	0.0015	-----	0.00207	5.58	1.00	1.00	18		1000.	250.0	500.0	2500.	5000.	12500	25000	50.00	
1,1-Dichloropropene	1	0	Avg	0.2651	0.2562	0.2836	0.2766	0.2859	0.2942	0.2940	0.3010	-----	0.282	4.87	1.00	1.00	5.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.3528	0.3416	0.3949	0.3750	0.3940	0.3804	0.3771	0.4355	-----	0.381	4.62	1.00	1.00	7.5	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethan	1	0	Avg	0.2681	0.2592	0.2629	0.2693	0.2777	0.2683	0.2740	0.2616	0.2653	0.267	4.73	-1	-1	2.2		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.2338	0.2328	0.2533	0.2511	0.2607	0.2645	0.2664	0.3288	-----	0.261	4.81	1.00	1.00	11	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	0.1431	0.1469	0.1364	0.1397	0.1429	0.1436	0.1450	0.1484	0.1451	0.144	4.96	-1	-1	2.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.2942	0.2880	0.3206	0.2954	0.3023	0.3068	0.3102	0.3575	0.4819	0.329	5.00	1.00	1.00	19	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	0.50
2-Butanone	1	0	Qua	0.0679	0.0464	0.0928	0.0764	0.0797	0.0765	0.0878	0.0982	-----	0.0782	4.41	0.996	1.00	21	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	0.3389	0.3426	0.3704	0.3560	0.3654	0.3729	0.3670	0.4286	-----	0.368	4.77	1.00	1.00	7.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.2937	0.2686	0.3054	0.3053	0.3219	0.3306	0.3292	0.3411	-----	0.312	4.87	1.00	1.00	7.6	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	0.6515	0.5778	0.6806	0.6822	0.7012	0.7204	0.6822	0.4536	-----	0.644	3.98	0.999	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethan	1	0	Avg	0.2493	0.2295	0.2670	0.2745	0.2870	0.2933	0.2951	0.2727	-----	0.271	5.66	1.00	1.00	8.3	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: 10.27

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.

2051213 0083

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	1M160730.D	CAL @ 20 PPB	04/21/22 18:09	2	1M160728.D	CAL @ 5 PPB	04/21/22 17:27
3	1M160729.D	CAL @ 10 PPB	04/21/22 17:48	4	1M160731.D	CAL @ 50 PPB	04/21/22 18:29
5	1M160736.D	CAL @ 100 PPB	04/21/22 20:14	6	1M160734.D	CAL @ 250 PPB	04/21/22 19:32
7	1M160732.D	CAL @ 500 PPB	04/21/22 18:50	8	1M160727.D	CAL @ 1 PPB	04/21/22 17:06
9	1M160726.D	CAL @ 0.5 PPB	04/21/22 16:45				

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	0.2248	0.2284	0.2294	0.2361	0.2406	0.2436	0.2495	0.2351	-----	0.236	5.50	1.00	1.00	3.5	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.1305	0.1295	0.1434	0.1348	0.1422	0.1474	0.1481	0.1671	-----	0.143	5.58	1.00	1.00	8.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloropropane	1	0	Avg	0.1862	0.1816	0.1951	0.1938	0.1946	0.2021	0.2043	0.2265	-----	0.198	5.51	1.00	1.00	6.9	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.2080	0.2011	0.2215	0.2153	0.2238	0.2289	0.2320	0.2607	-----	0.224	5.37	1.00	1.00	8.1	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	0.7383	0.7204	0.7907	0.7650	0.7877	0.7892	0.5893	0.8780	1.0008	0.784	5.00	0.977	0.999	14	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	0.4999	0.4702	0.5254	0.5354	0.5554	0.5693	0.5209	0.5284	-----	0.526	5.05	0.998	1.00	5.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.4830	0.4378	0.5119	0.5103	0.5365	0.5524	0.5508	0.4690	-----	0.507	5.00	1.00	1.00	8.1	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.1960	0.1652	0.2007	0.2109	0.2214	0.2341	0.2262	0.1759	-----	0.204	5.54	1.00	1.00	12	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethan	1	0	Avg	0.2365	0.2228	0.2477	0.2647	0.2883	0.3008	0.3042	0.2222	-----	0.261	6.55	1.00	1.00	13	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylethe	1	0	Avg	0.0342	0.0360	0.0348	0.0364	0.0404	0.0423	0.0414	0.0465	-----	0.0390	5.81	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropen	1	0	Avg	0.3953	0.3663	0.4259	0.4354	0.4501	0.4712	0.4672	0.3656	-----	0.422	5.91	1.00	1.00	10	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	0.3667	0.3418	0.4000	0.4073	0.4211	0.4350	0.4303	0.3370	-----	0.392	6.21	1.00	1.00	9.9	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.2182	0.1842	0.2344	0.2363	0.2461	0.2514	0.2502	0.2248	-----	0.231	6.24	1.00	1.00	9.6	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	0.2338	0.2113	0.2382	0.2453	0.2515	0.2527	0.2492	0.2373	-----	0.240	6.32	1.00	1.00	5.6	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.2506	0.2288	0.2567	0.2647	0.2669	0.2712	0.2700	0.2159	-----	0.253	6.63	1.00	1.00	8.1	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	Avg	0.4021	0.3861	0.4305	0.4202	0.4267	0.4361	0.4309	0.4030	-----	0.417	6.42	1.00	1.00	4.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.2187	0.1925	0.2351	0.2310	0.2388	0.2387	0.2426	0.2395	-----	0.230	5.98	1.00	1.00	7.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Avg	0.1506	0.1247	0.1578	0.1575	0.1642	0.1619	0.1679	0.1343	-----	0.152	6.44	1.00	1.00	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.2186	0.2050	0.2361	0.2368	0.2412	0.2473	0.2473	0.2543	-----	0.236	6.42	1.00	1.00	7.0	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.3375	1.3401	1.3561	1.3537	1.3421	1.3456	1.3436	1.3230	1.3298	1.34	6.07	-1	-1	0.78		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.6401	0.6154	0.7036	0.6945	0.7057	0.7164	0.6324	0.6511	-----	0.670	6.10	0.996	1.00	5.9	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	0.2350	0.2188	0.2528	0.2657	0.2742	0.2781	0.2766	0.2234	-----	0.253	6.93	1.00	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	0.7206	0.6712	0.7716	0.7683	0.7689	0.7667	0.6520	0.6752	-----	0.724	6.89	0.993	1.00	7.1	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Avg	0.8901	0.7020	0.9434	1.0114	1.1370	1.0391	0.9082	0.7988	-----	0.929	7.16	0.994	1.00	15	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Avg	0.7804	0.6381	0.8223	0.8584	0.9379	0.8639	0.7948	0.7415	-----	0.805	7.28	0.997	1.00	11	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.3352	0.2907	0.3514	0.3747	0.4312	0.4126	0.3858	0.3169	-----	0.362	7.36	0.998	1.00	13	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.6726	0.6354	0.8388	0.7247	0.7954	0.7028	0.6151	0.8194	-----	0.726	6.94	0.994	1.00	12	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	0.6152	0.5982	0.6752	0.6420	0.6726	0.6160	0.5794	0.6276	-----	0.628	7.58	0.998	1.00	5.4	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8290	0.8116	0.8427	0.8486	0.8581	0.7668	0.7322	0.8701	0.8574	0.824	7.53	-1	-1	5.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.5944	1.3663	1.6890	1.6656	1.8200	1.6249	1.1410	1.4032	-----	1.54	7.23	0.960	0.999	14	0.30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	0.9422	0.8395	1.0427	1.0151	1.0790	0.9437	0.6026	0.8935	0.9919	0.928	7.00	0.936	0.999	15	0.10	40.00	10.00	20.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Avg	0.9536	0.8631	1.0542	1.0120	1.0801	0.9502	0.8621	0.8936	-----	0.959	7.23	0.996	1.00	8.8	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	Avg	0.2861	0.2566	0.2951	0.2958	0.3060	0.2822	0.2724	0.2420	-----	0.280	7.61	0.999	1.00	7.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichlorobenzene	1	0	Avg	1.0234	0.9133	1.0930	1.0805	1.1166	1.0750	0.9730	1.0054	-----	1.04	8.16	0.997	1.00	6.7	0.60	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dichlorobenzene	1	0	Avg	1.0450	1.0062	1.1639	1.1149	1.1571	1.1137	0.9887	1.2522	-----	1.11	8.21	0.996	1.00	8.0	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	Avg	0.9631	0.8952	1.0103	1.0084	1.0539	1.0439	0.9544	1.0576	-----	0.998	8.43	0.998	1.00	5.7	0.40	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.2920	2.1036	2.4684	2.3963	2.5145	2.1132	1.2787	2.2500	-----	2.18	7.43	0.913	0.999	18	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Qua	0.0198	0.0248	0.0229	0.0190	0.0210	0.0204	0.0218	0.0336	-----	0.0229	7.50	0.999	1.00	20		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.6194	0.5353	0.6113	0.6377	0.6570	0.5857	0.5349	0.6611	-----	0.605	7.60	0.997	1.00	8.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichloropropane	1	0	Avg	0.8033	0.7262	0.8517	0.8160	0.8576	0.8086	0.7833	0.8630	-----	0.814	7.62	1.00	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.4801	1.3971	1.6391	1.5165	1.5855	1.4001	0.7664	1.6369	-----	1.43	7.73	0.877	0.998	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: 10.27

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_1

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	1M160730.D	CAL @ 20 PPB	04/21/22 18:09	2	1M160728.D	CAL @ 5 PPB	04/21/22 17:27
3	1M160729.D	CAL @ 10 PPB	04/21/22 17:48	4	1M160731.D	CAL @ 50 PPB	04/21/22 18:29
5	1M160736.D	CAL @ 100 PPB	04/21/22 20:14	6	1M160734.D	CAL @ 250 PPB	04/21/22 19:32
7	1M160732.D	CAL @ 500 PPB	04/21/22 18:50	8	1M160727.D	CAL @ 1 PPB	04/21/22 17:06
9	1M160726.D	CAL @ 0.5 PPB	04/21/22 16:45				

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	2.2764	2.0120	2.4614	2.4053	2.4932	2.1149	1.3519	2.1944	-----	2.16	7.72	0.932	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	Avg	1.4139	1.3118	1.6057	1.4854	1.5320	1.3620	-----	1.7492	-----	1.49	7.78	0.997	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Propylbenzene	1	0	Avg	2.5348	2.3835	2.8011	2.6967	2.7734	2.2103	-----	2.6602	-----	2.58	7.66	0.990	0.999	8.4		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromobenzene	1	0	Avg	1.2670	1.1776	1.4137	1.3406	1.3903	1.2520	1.1694	1.2996	-----	1.29	7.63	0.998	1.00	7.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzen	1	0	Avg	1.7210	1.6104	1.8704	1.7923	1.8629	1.7307	1.0964	1.7173	-----	1.68	7.75	0.934	0.998	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	0.6128	0.4796	0.6550	0.6748	0.7227	0.7058	0.6704	0.6083	-----	0.641	7.76	0.999	1.00	12	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	1.6206	1.4493	1.7385	1.6988	1.7787	1.6556	1.3514	1.5456	-----	1.60	7.95	0.988	1.00	9.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzen	1	0	Avg	1.7375	1.5265	1.8602	1.8671	1.9396	1.8085	1.2068	1.7254	-----	1.71	7.97	0.949	0.999	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	1.9208	1.7092	2.1136	2.0770	2.1068	1.9828	1.2631	1.8455	-----	1.88	8.07	0.936	0.998	15		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.6249	1.4154	1.7143	1.7507	1.8281	1.7669	1.1962	1.4938	-----	1.60	8.14	0.954	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	1.7002	1.5321	1.8086	1.8105	1.8587	1.8551	1.4150	1.7319	-----	1.71	8.38	0.980	0.999	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	0.9279	0.8295	0.9736	0.9983	1.0628	1.0803	0.9537	1.0058	-----	0.979	8.36	0.996	1.00	8.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylbe	1	0	Avg	1.1814	1.0403	1.1751	1.3473	1.5629	1.6240	1.1529	1.1866	-----	1.28	8.82	0.966	0.997	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloro	1	0	Avg	0.1221	0.0935	0.1291	0.1252	0.1502	0.1514	0.1410	0.1360	-----	0.131	8.88	0.998	1.00	14	0.05	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	Avg	0.0539	0.0450	0.0555	0.0575	0.0702	0.0674	0.0626	0.0542	0.0512	0.0575	9.32	0.998	1.00	14		200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.2216	0.2162	0.2177	0.2354	0.2562	0.2687	0.2408	0.2475	-----	0.238	9.46	0.997	0.999	8.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzen	1	0	Avg	0.4913	0.4268	0.4734	0.5280	0.6047	0.5968	0.5410	0.5392	-----	0.525	9.38	0.997	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	0.4102	0.3524	0.4367	0.4513	0.5275	0.5002	0.4542	0.4142	-----	0.443	9.68	0.997	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	1.2834	1.0710	1.3110	1.3842	1.6667	1.5760	1.1660	1.1765	-----	1.33	9.54	0.973	0.999	15		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: 10.27

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.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160730.D Sam Mult : 1 Vial# : 7 Qt On : 04/22/22 08:52
Acq On : 04/21/22 18:09 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	5.158	96	1400547	30.00	ug/l		0.00
52) Chlorobenzene-d5	6.878	117	1030203	30.00	ug/l		0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	497699	30.00	ug/l		0.00
System Monitoring Compounds							
37) Dibromofluoromethane	4.730	111	375520	30.08	ug/l		0.00
Spiked Amount 30.000			Recovery = 100.27%				
39) 1,2-Dichloroethane-d4	4.955	67	200437	29.92	ug/l		0.00
Spiked Amount 30.000			Recovery = 99.73%				
66) Toluene-d8	6.068	98	1377946	29.92	ug/l		0.00
Spiked Amount 30.000			Recovery = 99.73%				
76) Bromofluorobenzene	7.528	174	412611	30.18	ug/l		0.00
Spiked Amount 30.000			Recovery = 100.60%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.672	51	188964	18.5372	ug/l		69
6) Dichlorodifluoromethane	1.663	85	114360	18.4778	ug/l		96
7) Chloromethane	1.827	50	145056	18.4304	ug/l		90
8) Bromomethane	2.209	94	136005	17.0269	ug/l		99
9) Vinyl Chloride	1.920	62	186217	19.1622	ug/l		98
10) Chloroethane	2.290	64	129806	18.3702	ug/l		98
11) Trichlorofluoromethane	2.512	101	343821	18.8070	ug/l		88
12) Ethyl ether	2.740	59	159460	18.4540	ug/l		91
13) Furan	2.779	39	320795	18.9712	ug/l		90
14) 1,1,2-Trichloro-1,2,2-...	2.933	101	158095	18.1220	ug/l	#	71
15) Methylene Chloride	3.344	84	176658	18.7439	ug/l		90
16) Acrolein	2.856	56	163189	96.8797	ug/l		98
17) Acrylonitrile	3.553	53	64960	18.2134	ug/l		94
18) Iodomethane	3.090	142	204481	19.9644	ug/l		97
19) Acetone	2.981	43	226570	88.4057	ug/l		83
20) Carbon Disulfide	3.158	76	438220	18.4823	ug/l		100
21) t-Butyl Alcohol	3.415	59	85767	97.9459	ug/l		80
22) n-Hexane	3.817	57	161871	18.8109	ug/l		96
23) Di-isopropyl-ether	3.987	45	529408	19.1746	ug/l		86
24) 1,1-Dichloroethene	2.946	61	271331	18.2594	ug/l		94
25) Methyl Acetate	3.251	43	129206	18.6509	ug/l		100
26) Methyl-t-butyl ether	3.582	73	514895	17.3033	ug/l		97
27) 1,1-Dichloroethane	3.946	63	323389	18.2106	ug/l		99
28) trans-1,2-Dichloroethene	3.586	96	185111	18.4959	ug/l		94
29) Ethyl-t-butyl ether	4.283	59	497815	18.1752	ug/l		97
30) cis-1,2-Dichloroethene	4.409	61	283642	16.9411	ug/l		97
31) Bromochloromethane	4.579	49	147439	18.6940	ug/l		93
32) 2,2-Dichloropropane	4.415	77	290653	18.3885	ug/l		91
33) Ethyl acetate	4.441	43	163933	19.1087	ug/l		99
34) 1,4-Dioxane	5.579	88	79143	829.8020	ug/l		96
35) 1,1-Dichloropropene	4.865	75	247592	18.7985	ug/l		94
36) Chloroform	4.624	83	329491	18.5019	ug/l		93
38) Cyclohexane	4.807	56	218333	17.8862	ug/l		97
40) 1,2-Dichloroethane	5.000	62	274716	17.9088	ug/l		95
41) 2-Butanone	4.412	43	63410m	17.3683	ug/l		
42) 1,1,1-Trichloroethane	4.766	97	316489	18.4336	ug/l		98
43) Carbon Tetrachloride	4.875	117	274251	18.8268	ug/l		97
44) Vinyl Acetate	3.978	43	608388	19.5402	ug/l		100
45) Bromodichloromethane	5.656	83	232831	18.3965	ug/l		93
46) Methylcyclohexane	5.495	83	209904	19.0530	ug/l		98
47) Dibromomethane	5.576	174	121933	18.2749	ug/l		80
48) 1,2-Dichloropropane	5.505	63	173930	18.8088	ug/l		96
49) Trichloroethene	5.373	130	194232	18.5779	ug/l		96
50) Benzene	4.997	78	689392	18.8245	ug/l		100
51) tert-Amyl methyl ether	5.049	73	466795	19.0215	ug/l		98
53) Iso-propylacetate	5.004	43	331744	19.0733	ug/l		97
54) Methyl methacrylate	5.544	41	134659	19.2369	ug/l		85
55) Dibromochloromethane	6.550	129	162427	18.1262	ug/l		95
56) 2-Chloroethylvinylether	5.807	63	23500	17.5335	ug/l		89
57) cis-1,3-Dichloropropene	5.907	75	271518	18.7292	ug/l		94
58) trans-1,3-Dichloropropene	6.209	75	251887	18.6899	ug/l		99
59) Ethyl methacrylate	6.235	41	149864	18.9155	ug/l		85
60) 1,1,2-Trichloroethane	6.319	97	160630	19.4940	ug/l		99
61) 1,2-Dibromoethane	6.630	107	172166	19.8050	ug/l		93
62) 1,3-Dichloropropane	6.415	76	276190	19.2882	ug/l		93
63) 4-Methyl-2-Pentanone	5.981	43	150226	19.0493	ug/l		95
64) 2-Hexanone	6.438	43	103441	19.7650	ug/l		99
65) Tetrachloroethene	6.415	164	150143	18.5367	ug/l		97
67) Toluene	6.103	92	439646	19.1101	ug/l		83

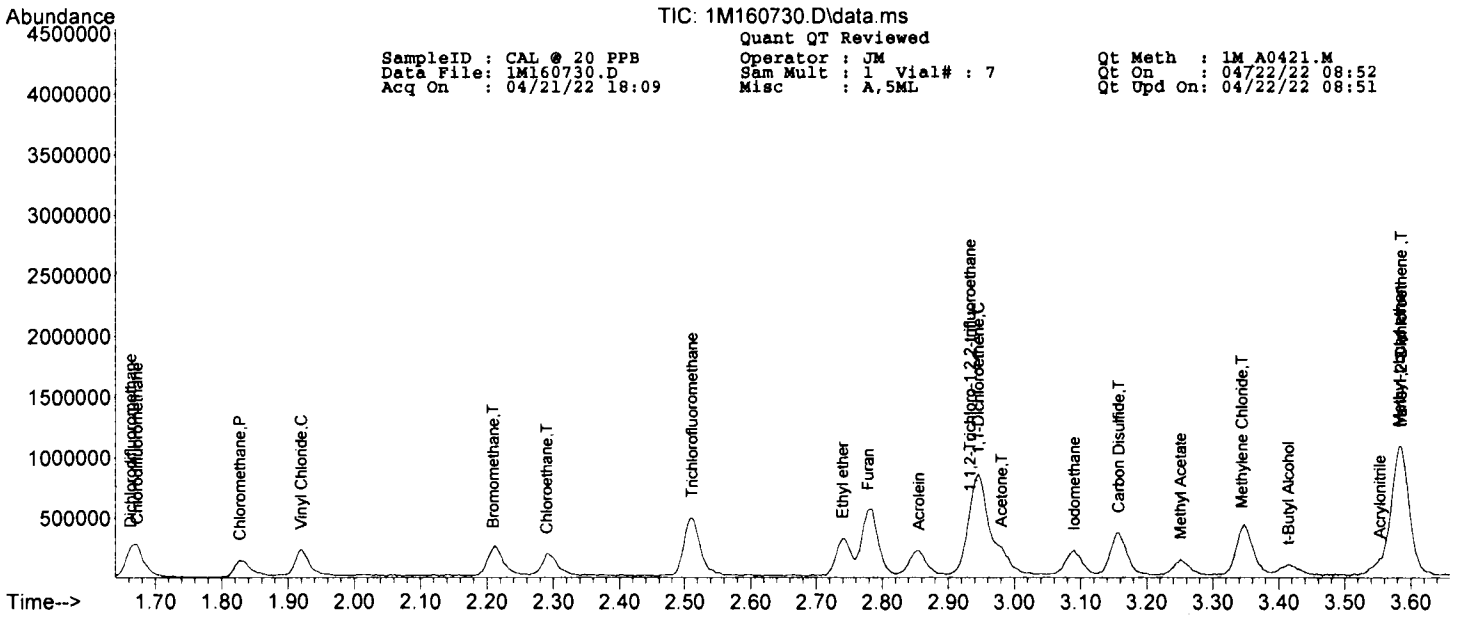
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160730.D Sam Mult : 1 Vial# : 7 Qt On : 04/22/22 08:52
Acq On : 04/21/22 18:09 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.933	133	161401	18.5698	ug/l	97
69)	Chlorobenzene	6.894	112	494953	19.8981	ug/l	92
71)	n-Butyl acrylate	7.158	55	295348	19.1675	ug/l	95
72)	n-Amyl acetate	7.277	43	258965	19.3987	ug/l	93
73)	Bromoform	7.357	173	111228	18.5026	ug/l	91
74)	Ethylbenzene	6.942	106	223168	18.5402	ug/l	87
75)	1,1,2,2-Tetrachloroethane	7.582	83	204144	19.5846	ug/l	100
77)	Styrene	7.232	104	529033	20.7362	ug/l	99
78)	m&p-Xylenes	7.000	106	625288	40.5943	ug/l	98
79)	o-Xylene	7.229	106	316411	19.8951	ug/l	88
80)	trans-1,4-Dichloro-2-b...	7.608	53	94939	20.4700	ug/l	96
81)	1,3-Dichlorobenzene	8.158	146	339577	19.7755	ug/l	95
82)	1,4-Dichlorobenzene	8.206	146	346735	18.9104	ug/l	98
83)	1,2-Dichlorobenzene	8.431	146	319581	19.2943	ug/l	95
84)	Isopropylbenzene	7.428	105	760491	21.0467	ug/l	99
85)	Cyclohexanone	7.499	55	32981	92.4804	ug/l	95
86)	Camphene	7.598	93	205528	20.4774	ug/l	100
87)	1,2,3-Trichloropropane	7.618	75	266548	19.8180	ug/l	98
88)	2-Chlorotoluene	7.727	91	491113	20.7339	ug/l	94
89)	p-Ethyltoluene	7.717	105	755328	21.0511	ug/l	99
90)	4-Chlorotoluene	7.785	91	469156	20.1515	ug/l	97
91)	n-Propylbenzene	7.656	91	841051	20.9320	ug/l	99
92)	Bromobenzene	7.627	77	420390	19.6614	ug/l	81
93)	1,3,5-Trimethylbenzene	7.746	105	571050	20.5599	ug/l	98
94)	Butyl methacrylate	7.756	41	203332	19.1244	ug/l	73
95)	t-Butylbenzene	7.946	119	537719	20.1966	ug/l	99
96)	1,2,4-Trimethylbenzene	7.968	105	576521	20.3311	ug/l	99
97)	sec-Butylbenzene	8.071	105	637347	20.4609	ug/l	97
98)	4-Isopropyltoluene	8.142	119	539164	20.3255	ug/l	99
99)	n-Butylbenzene	8.380	91	564135	19.8375	ug/l	99
100)	p-Diethylbenzene	8.364	119	307890	18.9563	ug/l	97
101)	1,2,4,5-Tetramethylben...	8.823	119	392013	18.4069	ug/l	97
102)	1,2-Dibromo-3-Chloropr...	8.878	157	40525	18.6323	ug/l	85
103)	Camphor	9.322	95	179000	187.4829	ug/l	96
104)	Hexachlorobutadiene	9.463	225	73539	18.6202	ug/l	99
105)	1,2,4-Trichlorobenzene	9.376	180	163026	18.7113	ug/l	97
106)	1,2,3-Trichlorobenzene	9.675	180	136128	18.5059	ug/l	96
107)	Naphthalene	9.537	128	425831	19.3081	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed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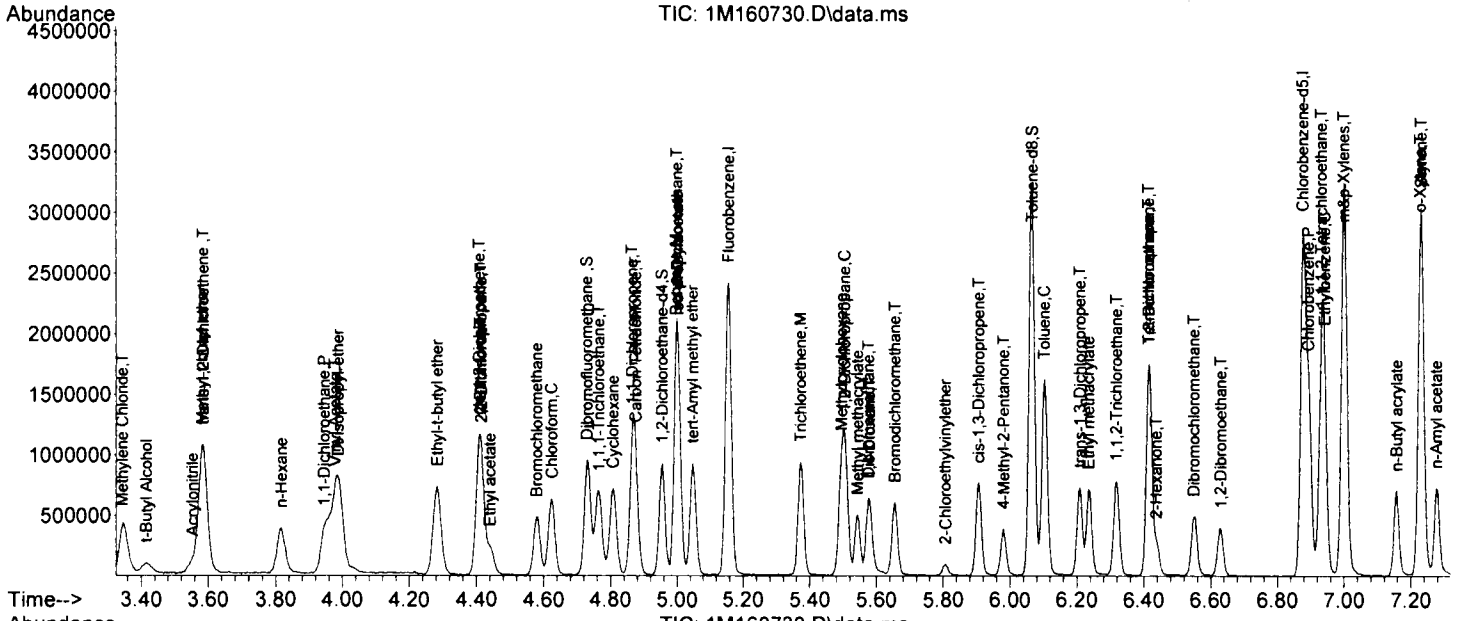
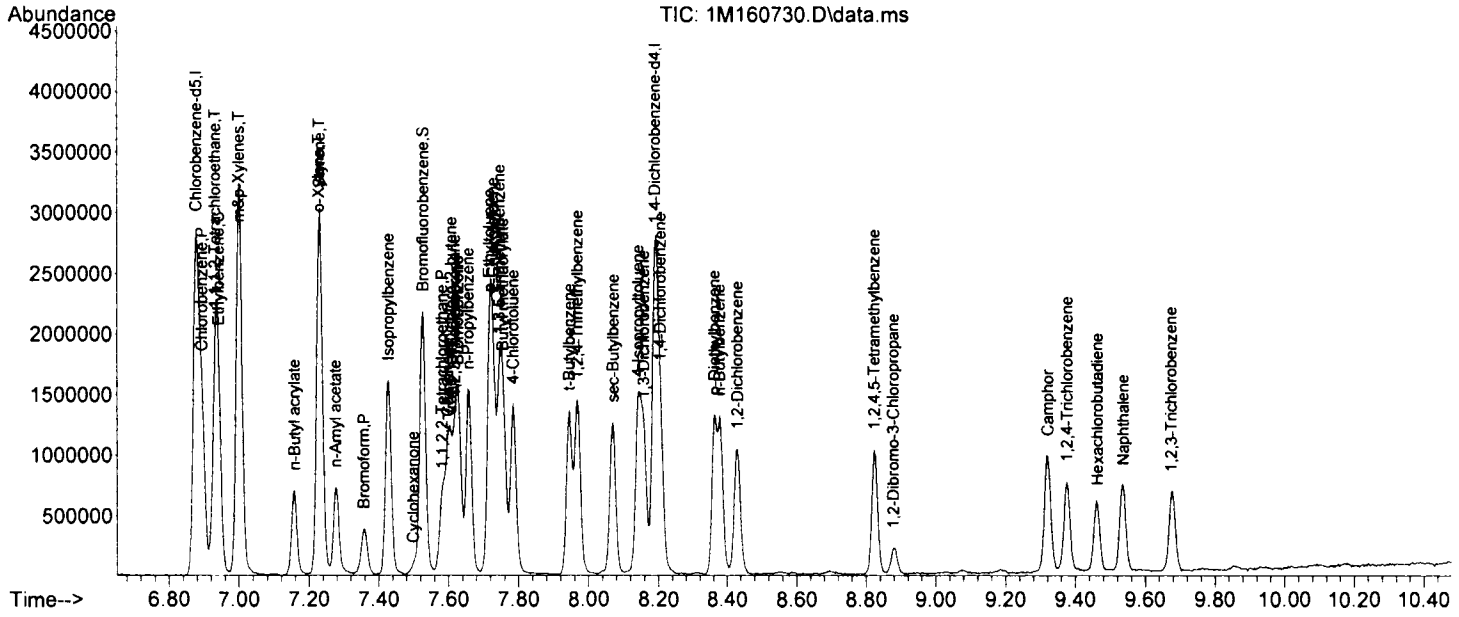
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 1M160730.D
Acq On : 04/21/22 18:09
Operator : JM
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 04722/22 08:52
Qt Upd On: 04/22/22 08:51
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 1M160730.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->


Abundance
TIC: 1M160730.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160728.D Sam Mult : 1 Vial# : 5 Qt On : 04/22/22 08:57
Acq On : 04/21/22 17:27 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.158	96	1470235	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	1082026	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	520332	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.733	111	381217	29.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.97%			
39) 1,2-Dichloroethane-d4	4.955	67	216069	30.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.40%			
66) Toluene-d8	6.064	98	1450061	29.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.90%			
76) Bromofluorobenzene	7.527	174	422307	29.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.50%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.676	51	38250	3.5744	ug/l	72
6) Dichlorodifluoromethane	1.666	85	23989	3.6923	ug/l	95
7) Chloromethane	1.823	50	37508	4.5398	ug/l	98
8) Bromomethane	2.209	94	38026	4.5349	ug/l	80
9) Vinyl Chloride	1.917	62	44880	4.3994	ug/l	89
10) Chloroethane	2.293	64	34699	4.6779	ug/l	90
11) Trichlorofluoromethane	2.508	101	93783	4.8868	ug/l	97
12) Ethyl ether	2.737	59	41589	4.5849	ug/l	90
13) Furan	2.782	39	83952	4.7294	ug/l	83
14) 1,1,2-Trichloro-1,2,2-...	2.939	101	44281m	4.8352	ug/l	
15) Methylene Chloride	3.348	84	46325	4.6822	ug/l	78
16) Acrolein	2.859	56	39822	22.5204	ug/l	92
17) Acrylonitrile	3.557	53	16356	4.3685	ug/l	81
18) Iodomethane	3.087	142	34752	3.2322	ug/l	80
19) Acetone	2.975	43	60894	22.6341	ug/l	90
20) Carbon Disulfide	3.158	76	106126	4.2638	ug/l	100
21) t-Butyl Alcohol	3.425	59	21709	23.6166	ug/l	77
22) n-Hexane	3.817	57	41069	4.5464	ug/l	96
23) Di-isopropyl-ether	3.987	45	132339	4.5660	ug/l	96
24) 1,1-Dichloroethene	2.949	61	73777	4.7295	ug/l	95
25) Methyl Acetate	3.248	43	32120m	4.4168	ug/l	
26) Methyl-t-butyl ether	3.582	73	129187	4.1356	ug/l	91
27) 1,1-Dichloroethane	3.949	63	87224	4.6789	ug/l	88
28) trans-1,2-Dichloroethene	3.589	96	50875	4.8424	ug/l	85
29) Ethyl-t-butyl ether	4.283	59	130941	4.5540	ug/l	99
30) cis-1,2-Dichloroethene	4.409	61	81265	4.6237	ug/l	97
31) Bromochloromethane	4.576	49	39695	4.7944	ug/l	78
32) 2,2-Dichloropropane	4.415	77	75881	4.5731	ug/l	98
33) Ethyl acetate	4.444	43	41523	4.6107	ug/l	92
34) 1,4-Dioxane	5.582	88	21141	211.1536	ug/l	98
35) 1,1-Dichloropropene	4.868	75	62781	4.5407	ug/l	97
36) Chloroform	4.627	83	83723	4.4785	ug/l	99
38) Cyclohexane	4.807	56	57065	4.4533	ug/l	94
40) 1,2-Dichloroethane	5.000	62	70571	4.3825	ug/l	91
41) 2-Butanone	4.409	43	11373	2.9675	ug/l	45
42) 1,1,1-Trichloroethane	4.766	97	83957	4.6582	ug/l	94
43) Carbon Tetrachloride	4.875	117	65822	4.3044	ug/l	100
44) Vinyl Acetate	3.978	43	141601	4.3324	ug/l	100
45) Bromodichloromethane	5.656	83	56257	4.2343	ug/l	94
46) Methylcyclohexane	5.495	83	55979	4.8404	ug/l	97
47) Dibromomethane	5.579	174	31740	4.5316	ug/l	86
48) 1,2-Dichloropropane	5.508	63	44506	4.5847	ug/l	99
49) Trichloroethene	5.376	130	49283	4.4904	ug/l	96
50) Benzene	4.997	78	176532	4.5919	ug/l	100
51) tert-Amyl methyl ether	5.048	73	115240	4.4733	ug/l	96
53) Iso-propylacetate	5.003	43	78962	4.3224	ug/l	99
54) Methyl methacrylate	5.544	41	29794	4.0524	ug/l	97
55) Dibromochloromethane	6.553	129	40180	4.2692	ug/l	97
56) 2-Chloroethylvinylether	5.804	63	6492	4.6117	ug/l	78
57) cis-1,3-Dichloropropene	5.907	75	66060	4.3385	ug/l	97
58) trans-1,3-Dichloropropene	6.209	75	61653	4.3555	ug/l	90
59) Ethyl methacrylate	6.235	41	33224	3.9926	ug/l	90
60) 1,1,2-Trichloroethane	6.319	97	38107	4.4032	ug/l	93
61) 1,2-Dibromoethane	6.627	107	41278	4.5210	ug/l	97
62) 1,3-Dichloropropane	6.415	76	69628	4.6297	ug/l	89
63) 4-Methyl-2-Pentanone	5.981	43	34720	4.1918	ug/l	92
64) 2-Hexanone	6.437	43	22505	4.0942	ug/l	91
65) Tetrachloroethene	6.415	164	36973	4.3461	ug/l	90
67) Toluene	6.106	92	110983	4.5931	ug/l	93

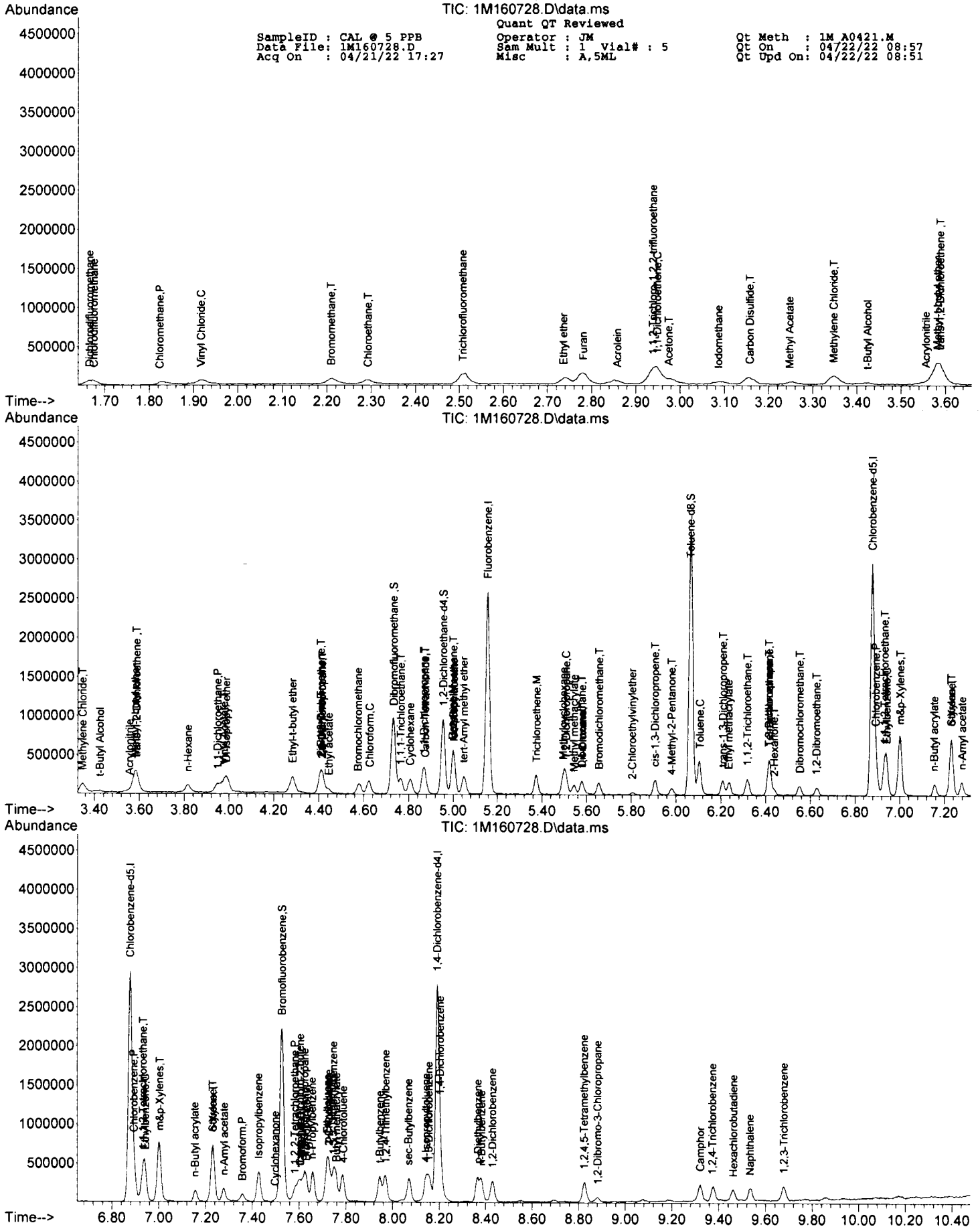
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160728.D Sam Mult : 1 Vial# : 5 Qt On : 04/22/22 08:57
Acq On : 04/21/22 17:27 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.933	133	39465	4.3231	ug/l	98
69)	Chlorobenzene	6.894	112	121058	4.6337	ug/l	97
71)	n-Butyl acrylate	7.154	55	60887	3.7796	ug/l	95
72)	n-Amyl acetate	7.280	43	55337	3.9649	ug/l	92
73)	Bromoform	7.357	173	25212	4.0116	ug/l	75
74)	Ethylbenzene	6.942	106	55104	4.3788	ug/l	86
75)	1,1,2,2-Tetrachloroethane	7.582	83	51882	4.7608	ug/l	99
77)	Styrene	7.232	104	118495	4.4426	ug/l	85
78)	m&p-Xylenes	7.003	106	145607	9.0418	ug/l	92
79)	o-Xylene	7.232	106	74850	4.5016	ug/l	94
80)	trans-1,4-Dichloro-2-b...	7.605	53	22256	4.5899	ug/l	90
81)	1,3-Dichlorobenzene	8.154	146	79211	4.4122	ug/l	98
82)	1,4-Dichlorobenzene	8.203	146	87261	4.5521	ug/l	95
83)	1,2-Dichlorobenzene	8.431	146	77639	4.4835	ug/l	97
84)	Isopropylbenzene	7.428	105	182430	4.8292	ug/l	99
85)	Cyclohexanone	7.499	55	10774	28.8968	ug/l	95
86)	Camphene	7.605	93	46428	4.4246	ug/l	99
87)	1,2,3-Trichloropropane	7.624	75	62984	4.4792	ug/l	98
88)	2-Chlorotoluene	7.727	91	121160	4.8927	ug/l	94
89)	p-Ethyltoluene	7.720	105	174487	4.6514	ug/l	94
90)	4-Chlorotoluene	7.788	91	113768	4.6741	ug/l	96
91)	n-Propylbenzene	7.656	91	206703	4.9206	ug/l	97
92)	Bromobenzene	7.630	77	102127	4.5687	ug/l	82
93)	1,3,5-Trimethylbenzene	7.746	105	139657	4.8094	ug/l	96
94)	Butyl methacrylate	7.759	41	41593	3.7419	ug/l	77
95)	t-Butylbenzene	7.945	119	125688	4.5155	ug/l	97
96)	1,2,4-Trimethylbenzene	7.971	105	132387	4.4656	ug/l	93
97)	sec-Butylbenzene	8.068	105	148226	4.5516	ug/l	99
98)	4-Isopropyltoluene	8.142	119	122748	4.4261	ug/l	98
99)	n-Butylbenzene	8.383	91	132870	4.4691	ug/l	85
100)	p-Diethylbenzene	8.367	119	71941	4.2366	ug/l	82
101)	1,2,4,5-Tetramethylben...	8.823	119	90221	4.0520	ug/l	100
102)	1,2-Dibromo-3-Chloropr...	8.881	157	8114	3.5683	ug/l	85
103)	Camphor	9.322	95	39058	39.1295	ug/l	99
104)	Hexachlorobutadiene	9.463	225	18753	4.5417	ug/l	95
105)	1,2,4-Trichlorobenzene	9.373	180	37015	4.0636	ug/l	95
106)	1,2,3-Trichlorobenzene	9.678	180	30564	3.9743	ug/l	96
107)	Naphthalene	9.534	128	92884	4.0284	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 1M160728.D
Acq On : 04/21/22 17:27
Operator : JM
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 04/22/22 08:57
Qt Upd On: 04/22/22 08:51
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 1M160728.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->

Abundance
TIC: 1M160728.D\data.ms
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
sec-Butylbenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160729.D Sam Mult : 1 Vial# : 6 Qt On : 04/22/22 09:00
Acq On : 04/21/22 17:48 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	5.158	96	1396689	30.00	ug/l		0.00
52) Chlorobenzene-d5	6.878	117	1014298	30.00	ug/l		0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	472851	30.00	ug/l		0.00
System Monitoring Compounds							
37) Dibromofluoromethane	4.730	111	367222	29.50	ug/l		0.00
Spiked Amount 30.000			Recovery = 98.33%				
39) 1,2-Dichloroethane-d4	4.955	67	190516	28.52	ug/l		0.00
Spiked Amount 30.000			Recovery = 95.07%				
66) Toluene-d8	6.065	98	1375491	30.33	ug/l		0.00
Spiked Amount 30.000			Recovery = 101.10%				
76) Bromofluorobenzene	7.528	174	398499	30.68	ug/l		0.00
Spiked Amount 30.000			Recovery = 102.27%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.673	51	83680	8.2316	ug/l		75
6) Dichlorodifluoromethane	1.663	85	54816	8.8814	ug/l		97
7) Chloromethane	1.830	50	79710	10.1557	ug/l		95
8) Bromomethane	2.210	94	75750	9.5096	ug/l		99
9) Vinyl Chloride	1.920	62	97130	10.0225	ug/l		96
10) Chloroethane	2.290	64	70072	9.9440	ug/l		90
11) Trichlorofluoromethane	2.512	101	182860	10.0301	ug/l		98
12) Ethyl ether	2.737	59	88097	10.2234	ug/l		90
13) Furan	2.779	39	168297	9.9803	ug/l		93
14) 1,1,2-Trichloro-1,2,2-...	2.936	101	86240	9.9128	ug/l	#	69
15) Methylene Chloride	3.345	84	94794	10.0857	ug/l		77
16) Acrolein	2.853	56	82384	49.0437	ug/l		99
17) Acrylonitrile	3.547	53	39825	11.1969	ug/l		93
18) Iodomethane	3.091	142	94620	9.2637	ug/l		97
19) Acetone	2.978	43	125527	49.1149	ug/l		92
20) Carbon Disulfide	3.155	76	220939	9.3440	ug/l		100
21) t-Butyl Alcohol	3.415	59	48573	55.6236	ug/l		96
22) n-Hexane	3.817	57	86140	10.0379	ug/l		95
23) Di-isopropyl-ether	3.991	45	272014	9.8793	ug/l		85
24) 1,1-Dichloroethene	2.949	61	149595	10.0949	ug/l		94
25) Methyl Acetate	3.251	43	73423	10.6279	ug/l		100
26) Methyl-t-butyl ether	3.576	73	277853	9.3632	ug/l		97
27) 1,1-Dichloroethane	3.952	63	179531	10.1376	ug/l		89
28) trans-1,2-Dichloroethene	3.586	96	102183	10.2381	ug/l		97
29) Ethyl-t-butyl ether	4.283	59	278355	10.1908	ug/l		95
30) cis-1,2-Dichloroethene	4.409	61	171951	10.2985	ug/l		94
31) Bromochloromethane	4.579	49	83506	10.6171	ug/l		90
32) 2,2-Dichloropropane	4.415	77	164533	10.4381	ug/l		93
33) Ethyl acetate	4.441	43	89598	10.4728	ug/l		95
34) 1,4-Dioxane	5.579	88	53031	557.5577	ug/l		97
35) 1,1-Dichloropropene	4.869	75	132064	10.0547	ug/l		92
36) Chloroform	4.624	83	183879	10.3539	ug/l		96
38) Cyclohexane	4.804	56	117952	9.6895	ug/l		95
40) 1,2-Dichloroethane	5.000	62	149268	9.7577	ug/l		97
41) 2-Butanone	4.409	43	43241	11.8766	ug/l		53
42) 1,1,1-Trichloroethane	4.762	97	172485	10.0740	ug/l		95
43) Carbon Tetrachloride	4.872	117	142225	9.7904	ug/l		90
44) Vinyl Acetate	3.978	43	316902	10.2064	ug/l		100
45) Bromodichloromethane	5.653	83	124338	9.8513	ug/l		95
46) Methylcyclohexane	5.492	83	106809	9.7219	ug/l		95
47) Dibromomethane	5.579	174	66760	10.0334	ug/l		85
48) 1,2-Dichloropropane	5.508	63	90855	9.8522	ug/l		96
49) Trichloroethene	5.373	130	103150	9.8933	ug/l		87
50) Benzene	5.000	78	368136	10.0801	ug/l		100
51) tert-Amyl methyl ether	5.049	73	244637	9.9963	ug/l		99
53) Iso-propylacetate	5.007	43	173094	10.1079	ug/l		98
54) Methyl methacrylate	5.544	41	67866	9.8471	ug/l		94
55) Dibromochloromethane	6.550	129	83777	9.4958	ug/l		93
56) 2-Chloroethylvinylether	5.807	63	11778	8.9254	ug/l		78
57) cis-1,3-Dichloropropene	5.907	75	143995	10.0884	ug/l		99
58) trans-1,3-Dichloropropene	6.209	75	135270	10.1944	ug/l		95
59) Ethyl methacrylate	6.235	41	79250	10.1596	ug/l		80
60) 1,1,2-Trichloroethane	6.315	97	80538	9.9273	ug/l		96
61) 1,2-Dibromoethane	6.631	107	86793	10.1408	ug/l		78
62) 1,3-Dichloropropane	6.415	76	145554	10.3244	ug/l		96
63) 4-Methyl-2-Pentanone	5.981	43	79519	10.2415	ug/l		94
64) 2-Hexanone	6.441	43	53352	10.3541	ug/l		87
65) Tetrachloroethene	6.412	164	79848	10.0126	ug/l		83
67) Toluene	6.103	92	237887	10.5024	ug/l		95

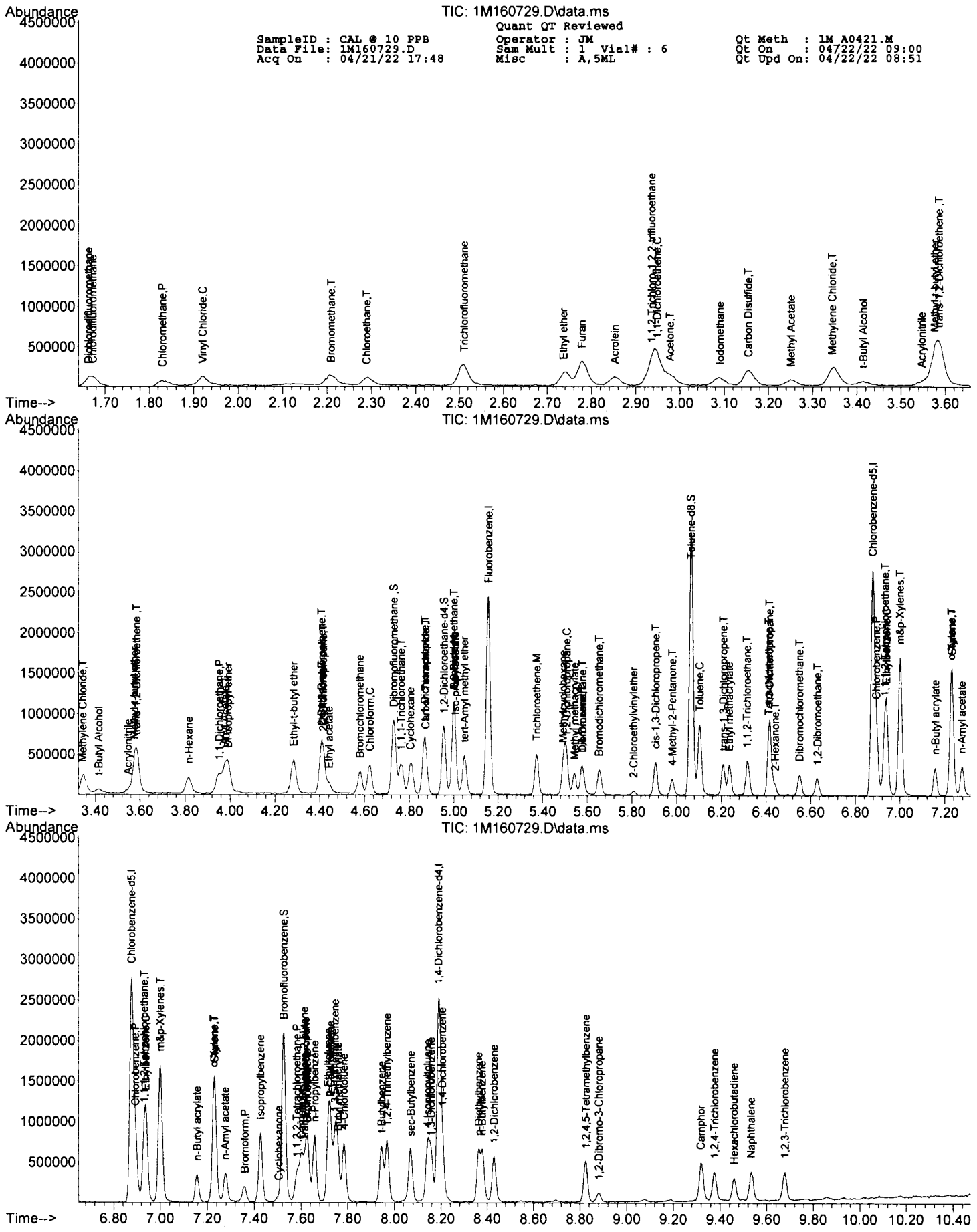
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160729.D Sam Mult : 1 Vial# : 6 Qt On : 04/22/22 09:00
Acq On : 04/21/22 17:48 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.933	133	85470	9.9878	ug/l	98
69)	Chlorobenzene	6.894	112	260889	10.6527	ug/l	98
71)	n-Butyl acrylate	7.158	55	148699	10.1574	ug/l	93
72)	n-Amyl acetate	7.277	43	129608	10.2189	ug/l	92
73)	Bromoform	7.360	173	55386	9.6976	ug/l	94
74)	Ethylbenzene	6.939	106	132221	11.5618	ug/l	86
75)	1,1,2,2-Tetrachloroethane	7.582	83	106423	10.7462	ug/l	96
77)	Styrene	7.232	104	266217	10.9831	ug/l	94
78)	m&p-Xylenes	7.000	106	328702	22.4610	ug/l	97
79)	o-Xylene	7.229	106	166164	10.9970	ug/l	90
80)	trans-1,4-Dichloro-2-b...	7.614	53	46522	10.5578	ug/l	94
81)	1,3-Dichlorobenzene	8.158	146	172278	10.5599	ug/l	96
82)	1,4-Dichlorobenzene	8.206	146	183450	10.5308	ug/l	98
83)	1,2-Dichlorobenzene	8.431	146	159255	10.1201	ug/l	99
84)	Isopropylbenzene	7.428	105	389076	11.3336	ug/l	98
85)	Cyclohexanone	7.505	55	18058	53.2964	ug/l	93
86)	Camphene	7.602	93	96357	10.1048	ug/l	98
87)	1,2,3-Trichloropropane	7.621	75	134248	10.5059	ug/l	98
88)	2-Chlorotoluene	7.727	91	258357	11.4805	ug/l	95
89)	p-Ethyltoluene	7.717	105	387963	11.3808	ug/l	98
90)	4-Chlorotoluene	7.785	91	253090	11.4421	ug/l	94
91)	n-Propylbenzene	7.659	91	441512	11.5658	ug/l	99
92)	Bromobenzene	7.627	77	222835	10.9696	ug/l	83
93)	1,3,5-Trimethylbenzene	7.746	105	294810	11.1720	ug/l	99
94)	Butyl methacrylate	7.759	41	103241	10.2206	ug/l	72
95)	t-Butylbenzene	7.946	119	274017	10.8329	ug/l	99
96)	1,2,4-Trimethylbenzene	7.968	105	293207	10.8833	ug/l	99
97)	sec-Butylbenzene	8.071	105	333141	11.2569	ug/l	97
98)	4-Isopropyltoluene	8.142	119	270210	10.7217	ug/l	99
99)	n-Butylbenzene	8.380	91	285066	10.5510	ug/l	97
100)	p-Diethylbenzene	8.364	119	153461	9.9448	ug/l	98
101)	1,2,4,5-Tetramethylben...	8.827	119	185223	9.1541	ug/l	100
102)	1,2-Dibromo-3-Chloropr...	8.881	157	20356	9.8510	ug/l	92
103)	Camphor	9.319	95	87616	96.5905	ug/l	95
104)	Hexachlorobutadiene	9.460	225	34327	9.1484	ug/l	97
105)	1,2,4-Trichlorobenzene	9.376	180	74621	9.0147	ug/l	95
106)	1,2,3-Trichlorobenzene	9.679	180	68843	9.8507	ug/l	98
107)	Naphthalene	9.534	128	206640	9.8619	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 1M160729.D
Acq On : 04/21/22 17:48
Operator : JM
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 04722/22 09:00
Qt Upd On: 04/22/22 08:51
Abundance
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
TIC: 1M160729.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
TIC: 1M160729.D\data.ms
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
n-Propylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160731.D Sam Mult : 1 Vial# : 8 Qt On : 04/22/22 09:01
Acq On : 04/21/22 18:29 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	5.155	96	1429558	30.00	ug/l		0.00
52) Chlorobenzene-d5	6.878	117	1043113	30.00	ug/l		0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	512387	30.00	ug/l		0.00
System Monitoring Compounds							
37) Dibromofluoromethane	4.730	111	384988	30.21	ug/l		0.00
Spiked Amount 30.000			Recovery = 100.70%				
39) 1,2-Dichloroethane-d4	4.955	67	199771	29.21	ug/l		0.00
Spiked Amount 30.000			Recovery = 97.37%				
66) Toluene-d8	6.065	98	1412075	30.28	ug/l		0.00
Spiked Amount 30.000			Recovery = 100.93%				
76) Bromofluorobenzene	7.528	174	434813	30.89	ug/l		0.00
Spiked Amount 30.000			Recovery = 102.97%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.676	51	509867	49.0024	ug/l		76
6) Dichlorodifluoromethane	1.663	85	341241	54.0173	ug/l		94
7) Chloromethane	1.830	50	395077	49.1786	ug/l		98
8) Bromomethane	2.210	94	330707	40.5620	ug/l		88
9) Vinyl Chloride	1.920	62	493879	49.7900	ug/l		97
10) Chloroethane	2.293	64	342898	47.5422	ug/l		99
11) Trichlorofluoromethane	2.509	101	919043	49.2515	ug/l		95
12) Ethyl ether	2.737	59	429915	48.7435	ug/l		86
13) Furan	2.782	39	863179	50.0109	ug/l		88
14) 1,1,2-Trichloro-1,2,2-...	2.936	101	422291	47.4237	ug/l	#	71
15) Methylene Chloride	3.348	84	457257	47.5316	ug/l		86
16) Acrolein	2.853	56	428163	249.0274	ug/l		86
17) Acrylonitrile	3.550	53	178313	48.9806	ug/l		97
18) Iodomethane	3.087	142	626577	59.9340	ug/l		98
19) Acetone	2.975	43	604572	231.1116	ug/l		90
20) Carbon Disulfide	3.155	76	1205812	49.8240	ug/l		100
21) t-Butyl Alcohol	3.422	59	228848	256.0408	ug/l		81
22) n-Hexane	3.814	57	425952	48.4949	ug/l		99
23) Di-isopropyl-ether	3.988	45	1385066	49.1476	ug/l		93
24) 1,1-Dichloroethene	2.946	61	719222	47.4182	ug/l		94
25) Methyl Acetate	3.251	43	327581	46.3267	ug/l		100
26) Methyl-t-butyl ether	3.582	73	1330954	43.8196	ug/l		97
27) 1,1-Dichloroethane	3.949	63	873913	48.2129	ug/l		94
28) trans-1,2-Dichloroethene	3.586	96	501938	49.1349	ug/l		96
29) Ethyl-t-butyl ether	4.283	59	1334967	47.7504	ug/l		97
30) cis-1,2-Dichloroethene	4.406	61	767708	44.9224	ug/l		97
31) Bromochloromethane	4.576	49	391937	48.6858	ug/l		88
32) 2,2-Dichloropropane	4.412	77	770029	47.7281	ug/l		98
33) Ethyl acetate	4.444	43	421817	48.1710	ug/l		98
34) 1,4-Dioxane	5.582	88	245685	2523.6931	ug/l		99
35) 1,1-Dichloropropene	4.865	75	659083	49.0255	ug/l		94
36) Chloroform	4.624	83	893484	49.1537	ug/l		95
38) Cyclohexane	4.808	56	598349	48.0230	ug/l		94
40) 1,2-Dichloroethane	5.000	62	703911	44.9569	ug/l		100
41) 2-Butanone	4.409	43	182145m	48.8779	ug/l		
42) 1,1,1-Trichloroethane	4.762	97	848377	48.4101	ug/l		98
43) Carbon Tetrachloride	4.872	117	727417	48.9224	ug/l		98
44) Vinyl Acetate	3.978	43	1625505	51.1484	ug/l		100
45) Bromodichloromethane	5.653	83	654089	50.6322	ug/l		95
46) Methylcyclohexane	5.496	83	562707	50.0405	ug/l		100
47) Dibromomethane	5.576	174	321207	47.1644	ug/l		91
48) 1,2-Dichloropropane	5.508	63	461856	48.9315	ug/l		95
49) Trichloroethene	5.373	130	513022	48.0736	ug/l		96
50) Benzene	4.997	78	1822761	48.7622	ug/l		100
51) tert-Amyl methyl ether	5.049	73	1275685	50.9281	ug/l		99
53) Iso-propylacetate	5.004	43	887282	50.3821	ug/l		96
54) Methyl methacrylate	5.544	41	366798	51.7510	ug/l		87
55) Dibromochloromethane	6.550	129	460311	50.7330	ug/l		100
56) 2-Chloroethylvinylether	5.807	63	63299	46.6433	ug/l		91
57) cis-1,3-Dichloropropene	5.907	75	757042	51.5740	ug/l		99
58) trans-1,3-Dichloropropene	6.206	75	708118	51.8917	ug/l		98
59) Ethyl methacrylate	6.235	41	410876	51.2180	ug/l		87
60) 1,1,2-Trichloroethane	6.319	97	426596	51.1308	ug/l		97
61) 1,2-Dibromoethane	6.627	107	460270	52.2916	ug/l		97
62) 1,3-Dichloropropane	6.415	76	730621	50.3925	ug/l		99
63) 4-Methyl-2-Pentanone	5.981	43	401604	50.2949	ug/l		98
64) 2-Hexanone	6.438	43	273828	51.6742	ug/l		99
65) Tetrachloroethene	6.415	164	411846	50.2172	ug/l		97
67) Toluene	6.103	92	1207516	51.8376	ug/l		93

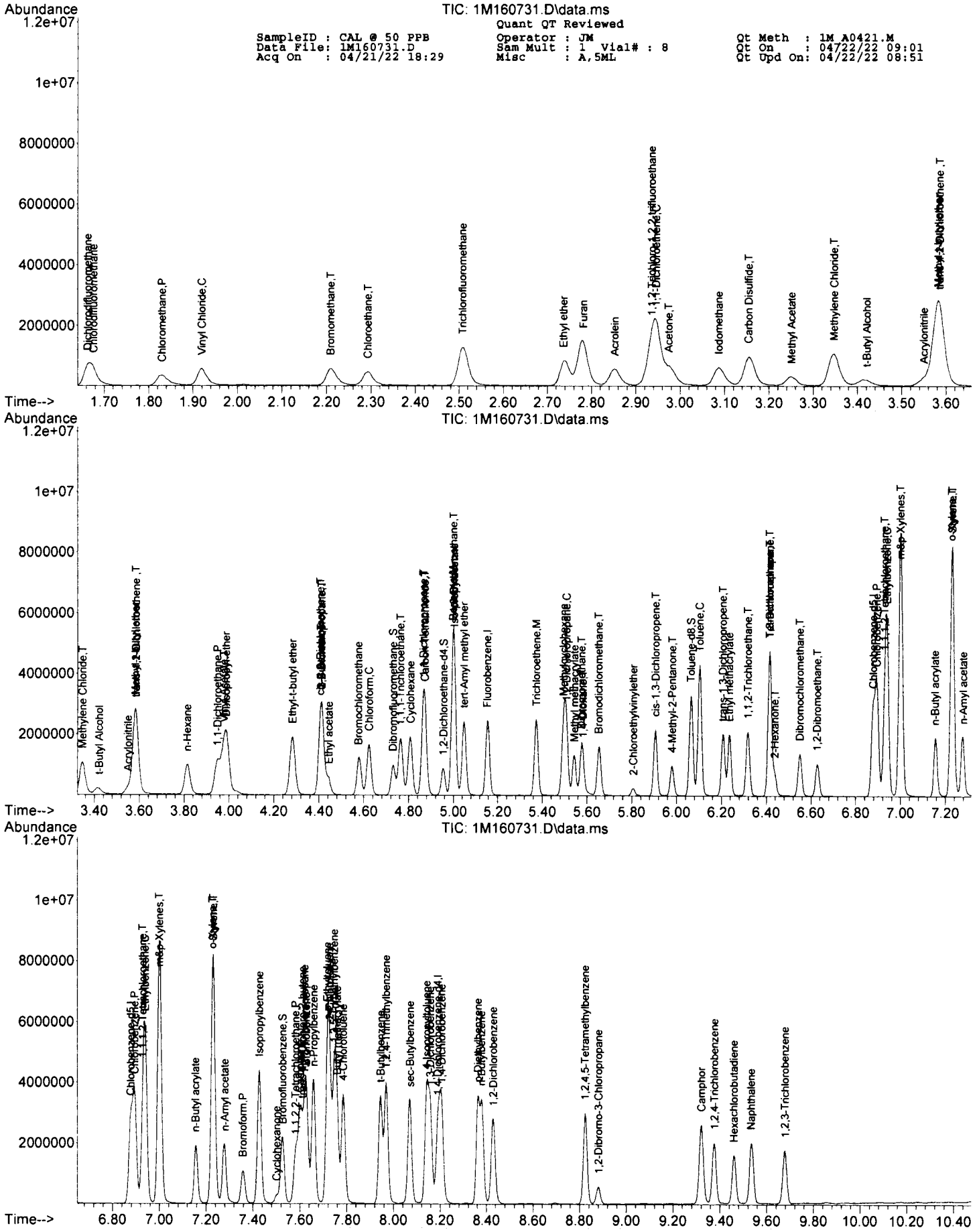
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160731.D Sam Mult : 1 Vial# : 8 Qt On : 04/22/22 09:01
Acq On : 04/21/22 18:29 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.930	133	461954	52.4917	ug/l	96
69)	Chlorobenzene	6.894	112	1335720	53.0341	ug/l	97
71)	n-Butyl acrylate	7.155	55	863722	54.4469	ug/l	92
72)	n-Amyl acetate	7.280	43	733052	53.3377	ug/l	92
73)	Bromoform	7.357	173	319995	51.7049	ug/l	91
74)	Ethylbenzene	6.939	106	618880	49.9411	ug/l	96
75)	1,1,2,2-Tetrachloroethane	7.582	83	548306	51.0940	ug/l	98
77)	Styrene	7.232	104	1422425	54.1558	ug/l	93
78)	m&p-Xylenes	7.000	106	1733808	109.3339	ug/l	98
79)	o-Xylene	7.229	106	864272	52.7853	ug/l	92
80)	trans-1,4-Dichloro-2-b...	7.611	53	252687	52.9207	ug/l	98
81)	1,3-Dichlorobenzene	8.158	146	922764	52.1972	ug/l	95
82)	1,4-Dichlorobenzene	8.206	146	952131	50.4391	ug/l	95
83)	1,2-Dichlorobenzene	8.431	146	861180	50.5023	ug/l	96
84)	Isopropylbenzene	7.428	105	2046410	55.0112	ug/l	98
85)	Cyclohexanone	7.502	55	81317	221.4807	ug/l	97
86)	Camphene	7.602	93	544652	52.7098	ug/l	99
87)	1,2,3-Trichloropropane	7.621	75	696869	50.3274	ug/l	99
88)	2-Chlorotoluene	7.727	91	1295066	53.1081	ug/l	94
89)	p-Ethyltoluene	7.717	105	2054126	55.6077	ug/l	97
90)	4-Chlorotoluene	7.785	91	1268543	52.9253	ug/l	99
91)	n-Propylbenzene	7.659	91	2302953	55.6728	ug/l	98
92)	Bromobenzene	7.627	77	1144912	52.0120	ug/l	82
93)	1,3,5-Trimethylbenzene	7.746	105	1530587	53.5270	ug/l	96
94)	Butyl methacrylate	7.759	41	576308	52.6507	ug/l	75
95)	t-Butylbenzene	7.946	119	1450793	52.9294	ug/l	100
96)	1,2,4-Trimethylbenzene	7.968	105	1594542	54.6198	ug/l	97
97)	sec-Butylbenzene	8.071	105	1773739	55.3105	ug/l	98
98)	4-Isopropyltoluene	8.142	119	1495084	54.7464	ug/l	97
99)	n-Butylbenzene	8.380	91	1546190	52.8125	ug/l	98
100)	p-Diethylbenzene	8.364	119	852565	50.9863	ug/l	96
101)	1,2,4,5-Tetramethylben...	8.823	119	1150561	52.4756	ug/l	98
102)	1,2-Dibromo-3-Chloropr...	8.881	157	106922	47.7506	ug/l	86
103)	Camphor	9.322	95	491575	500.1118	ug/l	99
104)	Hexachlorobutadiene	9.460	225	201033	49.4427	ug/l	99
105)	1,2,4-Trichlorobenzene	9.376	180	450941	50.2730	ug/l	96
106)	1,2,3-Trichlorobenzene	9.679	180	385475	50.9012	ug/l	97
107)	Naphthalene	9.534	128	1182142	52.0644	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 1M160731.D
Acq On : 04/21/22 18:29
Operator : JM
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 04/22/22 09:01
Qt Upd On: 04/22/22 08:51
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160736.D Sam Mult : 1 Vial# : 13 Qt On : 04/22/22 09:09
Acq On : 04/21/22 20:14 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	5.158	96	1556056	30.00	ug/l		0.00
52) Chlorobenzene-d5	6.878	117	1132587	30.00	ug/l		0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	530437	30.00	ug/l		0.00
System Monitoring Compounds							
37) Dibromofluoromethane	4.730	111	432116	31.15	ug/l		0.00
Spiked Amount 30.000			Recovery = 103.83%				
39) 1,2-Dichloroethane-d4	4.955	67	222504	29.89	ug/l		0.00
Spiked Amount 30.000			Recovery = 99.63%				
66) Toluene-d8	6.065	98	1520136	30.02	ug/l		0.00
Spiked Amount 30.000			Recovery = 100.07%				
76) Bromofluorobenzene	7.528	174	455182	31.24	ug/l		0.00
Spiked Amount 30.000			Recovery = 104.13%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.669	51	1422854	125.6311	ug/l		75
6) Dichlorodifluoromethane	1.660	85	941622	136.9384	ug/l		96
7) Chloromethane	1.827	50	922702	105.5194	ug/l		95
8) Bromomethane	2.209	94	906488	102.1445	ug/l		97
9) Vinyl Chloride	1.920	62	1178274	109.1300	ug/l		99
10) Chloroethane	2.293	64	778795	99.2006	ug/l		99
11) Trichlorofluoromethane	2.508	101	2060780	101.4593	ug/l		97
12) Ethyl ether	2.740	59	941573	98.0763	ug/l		91
13) Furan	2.782	39	1830555	97.4368	ug/l		93
14) 1,1,2-Trichloro-1,2,2-...	2.936	101	939613	96.9414	ug/l	#	72
15) Methylene Chloride	3.348	84	1022858	97.6819	ug/l		88
16) Acrolein	2.849	56	984089	525.8344	ug/l		99
17) Acrylonitrile	3.547	53	389855	98.3832	ug/l		96
18) Iodomethane	3.090	142	1252021	110.0238	ug/l		98
19) Acetone	2.978	43	1364614	479.2477	ug/l		83
20) Carbon Disulfide	3.155	76	2775390	105.3561	ug/l		100
21) t-Butyl Alcohol	3.415	59	516852	531.2572	ug/l		81
22) n-Hexane	3.817	57	920941	96.3261	ug/l		98
23) Di-isopropyl-ether	3.991	45	3092555	100.8153	ug/l		91
24) 1,1-Dichloroethene	2.949	61	1632124	98.8581	ug/l		98
25) Methyl Acetate	3.248	43	731968	95.1001	ug/l		100
26) Methyl-t-butyl ether	3.579	73	3005781	90.9157	ug/l		98
27) 1,1-Dichloroethane	3.949	63	1936253	98.1371	ug/l		97
28) trans-1,2-Dichloroethene	3.586	96	1105455	99.4164	ug/l		93
29) Ethyl-t-butyl ether	4.283	59	3215203	105.6553	ug/l		96
30) cis-1,2-Dichloroethene	4.409	61	1895922	101.9211	ug/l		98
31) Bromochloromethane	4.579	49	911449	104.0147	ug/l		96
32) 2,2-Dichloropropane	4.412	77	1692202	96.3597	ug/l		96
33) Ethyl acetate	4.441	43	1050169	110.1786	ug/l		98
34) 1,4-Dioxane	5.582	88	606723	5725.6515	ug/l		99
35) 1,1-Dichloropropene	4.865	75	1483191	101.3575	ug/l		93
36) Chloroform	4.624	83	2044085	103.3106	ug/l		99
38) Cyclohexane	4.807	56	1352283	99.7100	ug/l		92
40) 1,2-Dichloroethane	5.000	62	1568261	92.0182	ug/l		98
41) 2-Butanone	4.409	43	413401m	101.9162	ug/l		
42) 1,1,1-Trichloroethane	4.766	97	1895280	99.3567	ug/l		97
43) Carbon Tetrachloride	4.872	117	1669859	103.1764	ug/l		98
44) Vinyl Acetate	3.975	43	3637404	105.1507	ug/l		100
45) Bromodichloromethane	5.656	83	1488798	105.8771	ug/l		98
46) Methylcyclohexane	5.495	83	1248224	101.9785	ug/l		99
47) Dibromomethane	5.576	174	737955	99.5487	ug/l		90
48) 1,2-Dichloropropane	5.508	63	1009370	98.2447	ug/l		100
49) Trichloroethene	5.373	130	1161082	99.9564	ug/l		98
50) Benzene	4.997	78	4085824	100.4176	ug/l		100
51) tert-Amyl methyl ether	5.049	73	2880990	105.6652	ug/l		100
53) Iso-propylacetate	5.004	43	2025574	105.9308	ug/l		96
54) Methyl methacrylate	5.544	41	835879	108.6163	ug/l		86
55) Dibromochloromethane	6.550	129	1088592	110.5004	ug/l		99
56) 2-Chloroethylvinylether	5.807	63	152638	103.5892	ug/l		95
57) cis-1,3-Dichloropropene	5.907	75	1699561	106.6369	ug/l		99
58) trans-1,3-Dichloropropene	6.209	75	1590031	107.3143	ug/l		98
59) Ethyl methacrylate	6.238	41	929101	106.6680	ug/l		89
60) 1,1,2-Trichloroethane	6.319	97	949674	104.8336	ug/l		99
61) 1,2-Dibromoethane	6.627	107	1007787	105.4504	ug/l		97
62) 1,3-Dichloropropane	6.415	76	1611272	102.3535	ug/l		96
63) 4-Methyl-2-Pentanone	5.981	43	901890	104.0254	ug/l		99
64) 2-Hexanone	6.438	43	620244	107.7999	ug/l		98
65) Tetrachloroethene	6.415	164	910605	102.2604	ug/l		97
67) Toluene	6.103	92	2664391	105.3439	ug/l		92

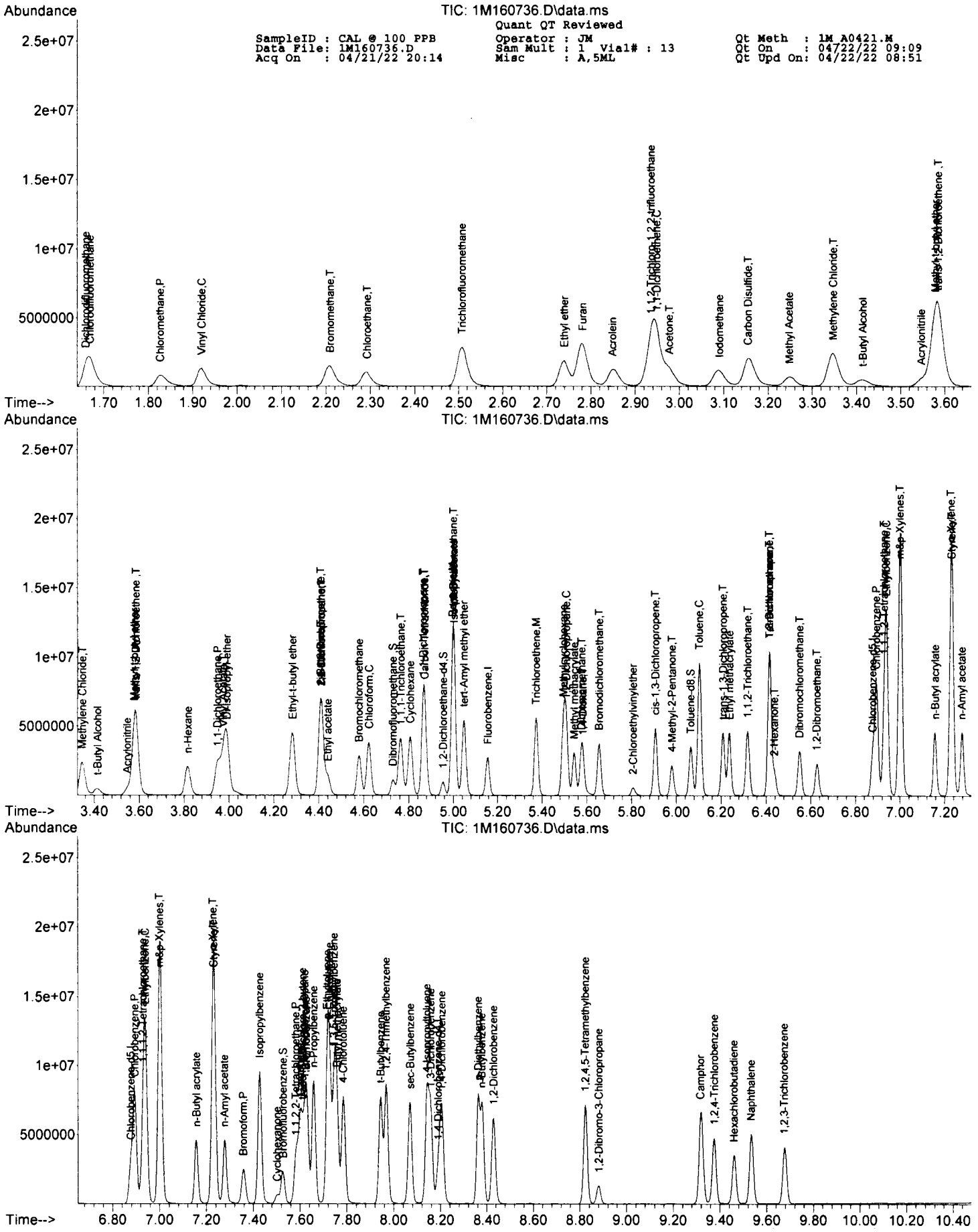
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160736.D Sam Mult : 1 Vial# : 13 Qt On : 04/22/22 09:09
Acq On : 04/21/22 20:14 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.930	133	1035363	108.3539	ug/l	96
69)	Chlorobenzene	6.894	112	2902854	106.1512	ug/l	97
71)	n-Butyl acrylate	7.158	55	2010419	122.4193	ug/l	92
72)	n-Amyl acetate	7.277	43	1658419	116.5623	ug/l	92
73)	Bromoform	7.357	173	762538	119.0184	ug/l	96
74)	Ethylbenzene	6.939	106	1406464	109.6338	ug/l	95
75)	1,1,2,2-Tetrachloroethane	7.582	83	1189303	107.0543	ug/l	99
77)	Styrene	7.232	104	3218149	118.3547	ug/l	97
78)	m&p-Xylenes	7.000	106	3815815	232.4371	ug/l	97
79)	o-Xylene	7.229	106	1909784	112.6706	ug/l	93
80)	trans-1,4-Dichloro-2-b...	7.611	53	541077	109.4627	ug/l	97
81)	1,3-Dichlorobenzene	8.158	146	1974311	107.8790	ug/l	95
82)	1,4-Dichlorobenzene	8.206	146	2046016	104.6994	ug/l	95
83)	1,2-Dichlorobenzene	8.431	146	1863511	105.5635	ug/l	97
84)	Isopropylbenzene	7.428	105	4446110	115.4523	ug/l	99
85)	Cyclohexanone	7.502	55	185878	489.0429	ug/l	93
86)	Camphene	7.601	93	1161664	108.5968	ug/l	97
87)	1,2,3-Trichloropropane	7.621	75	1516381	105.7854	ug/l	99
88)	2-Chlorotoluene	7.727	91	2803503	111.0539	ug/l	94
89)	p-Ethyltoluene	7.717	105	4408325	115.2777	ug/l	97
90)	4-Chlorotoluene	7.785	91	2708775	109.1679	ug/l	98
91)	n-Propylbenzene	7.659	91	4903825	114.5136	ug/l	98
92)	Bromobenzene	7.627	77	2458226	107.8742	ug/l	81
93)	1,3,5-Trimethylbenzene	7.746	105	3293834	111.2707	ug/l	98
94)	Butyl methacrylate	7.759	41	1277864	112.7714	ug/l	80
95)	t-Butylbenzene	7.946	119	3144996	110.8348	ug/l	98
96)	1,2,4-Trimethylbenzene	7.968	105	3429578	113.4800	ug/l	99
97)	sec-Butylbenzene	8.071	105	3725247	112.2114	ug/l	98
98)	4-Isopropyltoluene	8.142	119	3232417	114.3356	ug/l	97
99)	n-Butylbenzene	8.380	91	3286459	108.4341	ug/l	98
100)	p-Diethylbenzene	8.364	119	1879279	108.5629	ug/l	97
101)	1,2,4,5-Tetramethylben...	8.823	119	2763397	121.7463	ug/l	98
102)	1,2-Dibromo-3-Chloropr...	8.881	157	265579	114.5698	ug/l	83
103)	Camphor	9.318	95	1241181	1219.7665	ug/l	98
104)	Hexachlorobutadiene	9.460	225	453058	107.6348	ug/l	97
105)	1,2,4-Trichlorobenzene	9.376	180	1069267	115.1504	ug/l	97
106)	1,2,3-Trichlorobenzene	9.675	180	932779	118.9802	ug/l	98
107)	Naphthalene	9.534	128	2946947	125.3740	ug/l	99

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


Abundance
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Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 1M160736.D
Acq On : 04/21/22 20:14
Operator : JM
Sam Mult : 1 Vial# : 13
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 04722/22 09:09
Qt Upd On: 04/22/22 08:51
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160734.D Sam Mult : 1 Vial# : 11 Qt On : 04/22/22 09:06
Acq On : 04/21/22 19:32 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	5.158	96	1587347	30.00	ug/l		0.00
52) Chlorobenzene-d5	6.878	117	1153397	30.00	ug/l		0.00
70) 1,4-Dichlorobenzene-d4	8.193	152	599672	30.00	ug/l		0.00
System Monitoring Compounds							
37) Dibromofluoromethane	4.730	111	425997	30.11	ug/l		0.00
Spiked Amount 30.000			Recovery = 100.37%				
39) 1,2-Dichloroethane-d4	4.955	67	228073	30.04	ug/l		0.00
Spiked Amount 30.000			Recovery = 100.13%				
66) Toluene-d8	6.068	98	1552016	30.10	ug/l		0.00
Spiked Amount 30.000			Recovery = 100.33%				
76) Bromofluorobenzene	7.528	174	459876	27.92	ug/l		0.00
Spiked Amount 30.000			Recovery = 93.07%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.669	51	3682534	318.7403	ug/l		72
6) Dichlorodifluoromethane	1.660	85	2325914	331.5855	ug/l		97
7) Chloromethane	1.827	50	2255126	252.8104	ug/l		93
8) Bromomethane	2.203	94	2319314	256.1921	ug/l		91
9) Vinyl Chloride	1.920	62	2846597	258.4505	ug/l		97
10) Chloroethane	2.287	64	1960569	244.8087	ug/l		97
11) Trichlorofluoromethane	2.505	101	5229657	252.3984	ug/l		94
12) Ethyl ether	2.737	59	2458755	251.0608	ug/l		90
13) Furan	2.779	39	4683329	244.3702	ug/l		90
14) 1,1,2-Trichloro-1,2,2-...	2.936	101	2450101	247.7979	ug/l	#	71
15) Methylene Chloride	3.348	84	2605827	243.9482	ug/l		85
16) Acrolein	2.849	56	2559351	1340.5956	ug/l		96
17) Acrylonitrile	3.547	53	1001122	247.6614	ug/l		97
18) Iodomethane	3.087	142	3599582	310.0849	ug/l		98
19) Acetone	2.978	43	3419004	1177.0724	ug/l		82
20) Carbon Disulfide	3.155	76	7225490	268.8787	ug/l		100
21) t-Butyl Alcohol	3.412	59	1319824	1329.8664	ug/l		84
22) n-Hexane	3.814	57	2411406	247.2496	ug/l		97
23) Di-isopropyl-ether	3.988	45	8095412	258.7028	ug/l		91
24) 1,1-Dichloroethene	2.946	61	4149857	246.4028	ug/l		97
25) Methyl Acetate	3.251	43	1881895	239.6833	ug/l		100
26) Methyl-t-butyl ether	3.579	73	7740340	229.5065	ug/l		97
27) 1,1-Dichloroethane	3.949	63	4915075	244.2051	ug/l		95
28) trans-1,2-Dichloroethene	3.586	96	2833299	249.7828	ug/l		95
29) Ethyl-t-butyl ether	4.283	59	8248801	265.7217	ug/l		96
30) cis-1,2-Dichloroethene	4.409	61	4719480	248.7089	ug/l		96
31) Bromochloromethane	4.579	49	2141115	239.5276	ug/l		94
32) 2,2-Dichloropropane	4.415	77	4390452	245.0788	ug/l		96
33) Ethyl acetate	4.441	43	2564445	263.7454	ug/l		98
34) 1,4-Dioxane	5.582	88	1633996	15116.0664	ug/l		99
35) 1,1-Dichloropropene	4.865	75	3892802	260.7800	ug/l		94
36) Chloroform	4.621	83	5032088	249.3144	ug/l		99
38) Cyclohexane	4.808	56	3499987	252.9828	ug/l		93
40) 1,2-Dichloroethane	5.000	62	4058908	233.4629	ug/l		97
41) 2-Butanone	4.412	43	1012328m	244.6507	ug/l		
42) 1,1,1-Trichloroethane	4.763	97	4932787	253.4951	ug/l		98
43) Carbon Tetrachloride	4.872	117	4374339	264.9516	ug/l		100
44) Vinyl Acetate	3.975	43	9530583	270.0806	ug/l		100
45) Bromodichloromethane	5.656	83	3879892	270.4826	ug/l		97
46) Methylcyclohexane	5.496	83	3222549	258.0886	ug/l		99
47) Dibromomethane	5.576	174	1950997	257.9976	ug/l		91
48) 1,2-Dichloropropane	5.508	63	2674356	255.1709	ug/l		100
49) Trichloroethene	5.373	130	3028041	255.5422	ug/l		96
50) Benzene	4.997	78	10440697	251.5434	ug/l		100
51) tert-Amyl methyl ether	5.049	73	7531200	270.7746	ug/l		99
53) Iso-propylacetate	5.004	43	5309482	272.6584	ug/l		96
54) Methyl methacrylate	5.544	41	2250259	287.1290	ug/l		85
55) Dibromochloromethane	6.550	129	2892012	288.2648	ug/l		98
56) 2-Chloroethylvinylether	5.807	63	407054	271.2668	ug/l		95
57) cis-1,3-Dichloropropene	5.907	75	4529508	279.0709	ug/l		99
58) trans-1,3-Dichloropropene	6.209	75	4181559	277.1297	ug/l		100
59) Ethyl methacrylate	6.238	41	2416744	272.4550	ug/l		87
60) 1,1,2-Trichloroethane	6.319	97	2429033	263.3007	ug/l		98
61) 1,2-Dibromoethane	6.631	107	2606889	267.8519	ug/l		99
62) 1,3-Dichloropropane	6.418	76	4191685	261.4661	ug/l		98
63) 4-Methyl-2-Pentanone	5.981	43	2294303	259.8541	ug/l		98
64) 2-Hexanone	6.438	43	1556252	265.6002	ug/l		98
65) Tetrachloroethene	6.418	164	2377703	262.1971	ug/l		97
67) Toluene	6.103	92	6886602	267.3679	ug/l		86

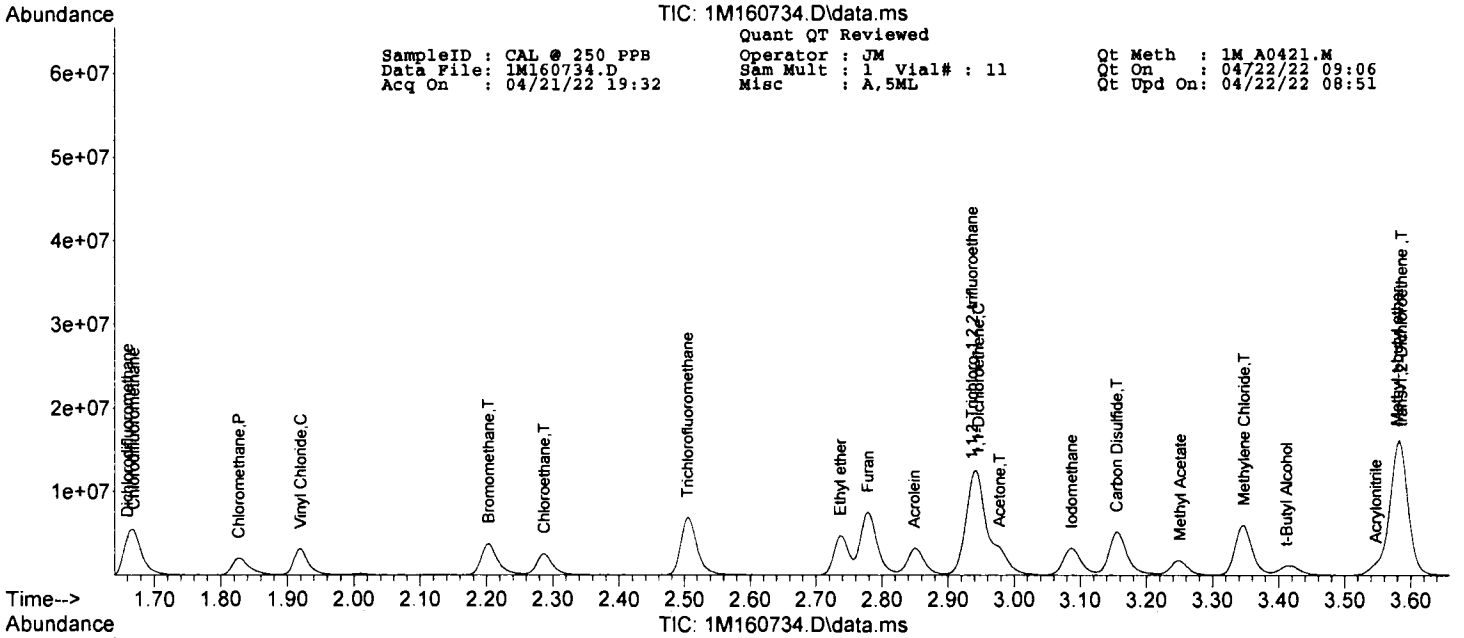
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160734.D Sam Mult : 1 Vial# : 11 Qt On : 04/22/22 09:06
Acq On : 04/21/22 19:32 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.933	133	2673219	274.7131	ug/l	97
69)	Chlorobenzene	6.894	112	7369517	264.6253	ug/l	97
71)	n-Butyl acrylate	7.158	55	5193112	279.7120	ug/l	92
72)	n-Amyl acetate	7.280	43	4317124	268.3975	ug/l	90
73)	Bromoform	7.357	173	2062250	284.7173	ug/l	94
74)	Ethylbenzene	6.939	106	3512171	242.1650	ug/l	59
75)	1,1,2,2-Tetrachloroethane	7.582	83	3078336	245.1024	ug/l	100
77)	Styrene	7.235	104	8120499	264.1693	ug/l	96
78)	m&p-Xylenes	7.004	106	9432439m	508.2321	ug/l	
79)	o-Xylene	7.232	106	4748808	247.8170	ug/l	100
80)	trans-1,4-Dichloro-2-b...	7.611	53	1410214	252.3552	ug/l	92
81)	1,3-Dichlorobenzene	8.158	146	5372376	259.6615	ug/l	95
82)	1,4-Dichlorobenzene	8.206	146	5565469	251.9168	ug/l	96
83)	1,2-Dichlorobenzene	8.431	146	5216825	261.4015	ug/l	96
84)	Isopropylbenzene	7.425	105	10560220	242.5579	ug/l	97
85)	Cyclohexanone	7.502	55	510566	1188.2036	ug/l	96
86)	Camphene	7.602	93	2927348	242.0645	ug/l	98
87)	1,2,3-Trichloropropane	7.621	75	4041135	249.3680	ug/l	98
88)	2-Chlorotoluene	7.727	91	6997105	245.1722	ug/l	95
89)	p-Ethyltoluene	7.717	105	10568803	244.4655	ug/l	99
90)	4-Chlorotoluene	7.785	91	6806654	242.6475	ug/l	96
91)	n-Propylbenzene	7.656	91	11045616	228.1561	ug/l	96
92)	Bromobenzene	7.627	77	6256715	242.8636	ug/l	82
93)	1,3,5-Trimethylbenzene	7.750	105	8649037	258.4443	ug/l	98
94)	Butyl methacrylate	7.759	41	3527158	275.3335	ug/l	81
95)	t-Butylbenzene	7.946	119	8273554	257.9100	ug/l	98
96)	1,2,4-Trimethylbenzene	7.968	105	9037632	264.5169	ug/l	99
97)	sec-Butylbenzene	8.071	105	9908998	264.0170	ug/l	99
98)	4-Isopropyltoluene	8.142	119	8829708	276.2615	ug/l	98
99)	n-Butylbenzene	8.383	91	9270685	270.5638	ug/l	84
100)	p-Diethylbenzene	8.364	119	5398723	275.8679	ug/l	81
101)	1,2,4,5-Tetramethylben...	8.823	119	8116031	316.2832	ug/l	99
102)	1,2-Dibromo-3-Chloropr...	8.881	157	756910	288.8290	ug/l	83
103)	Camphor	9.322	95	3370209	2929.6682	ug/l	99
104)	Hexachlorobutadiene	9.463	225	1343162	282.2588	ug/l	98
105)	1,2,4-Trichlorobenzene	9.376	180	2982509	284.1066	ug/l	96
106)	1,2,3-Trichlorobenzene	9.679	180	2499702	282.0357	ug/l	98
107)	Naphthalene	9.537	128	7875851	296.3827	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed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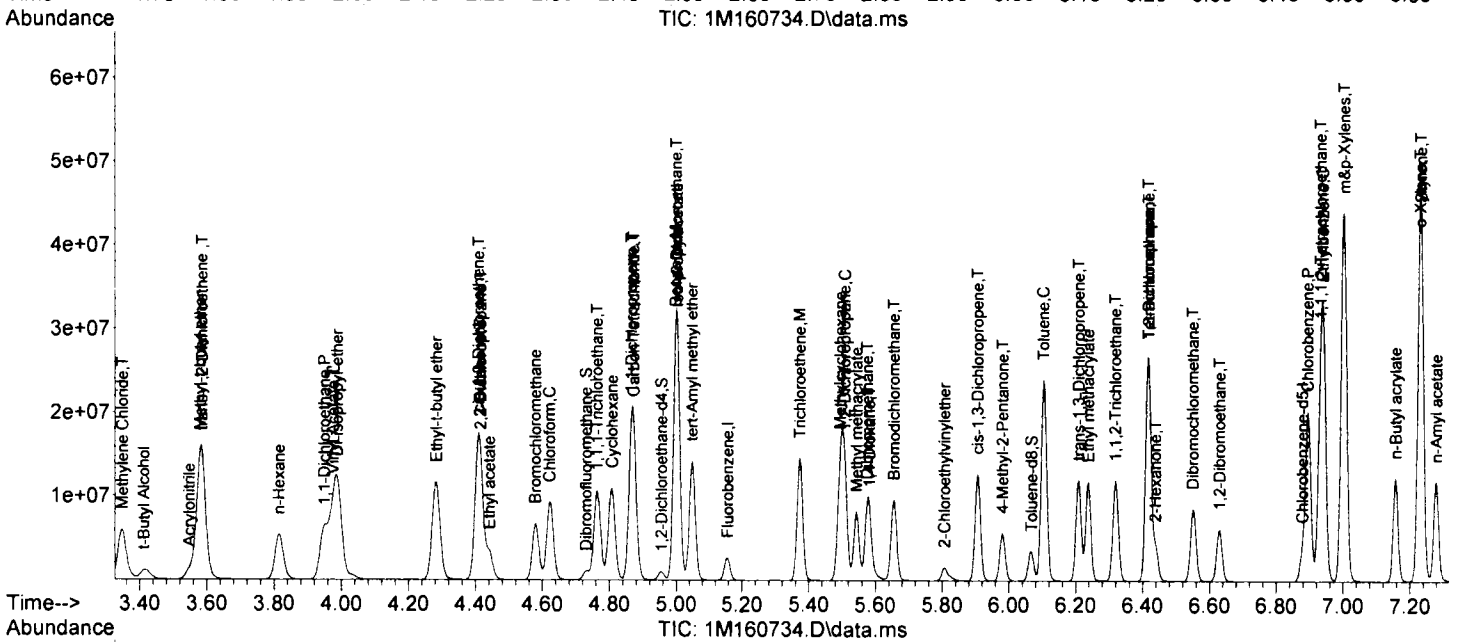
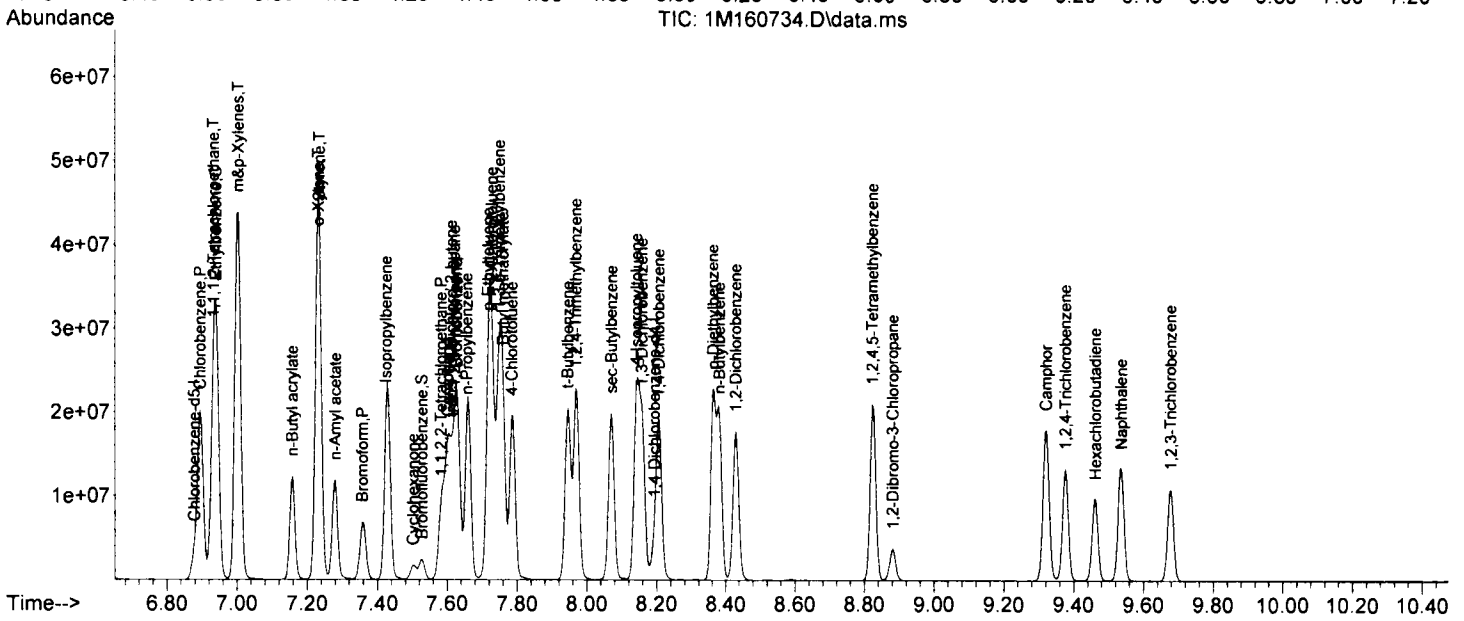
Data File: 1M160734.D
Acq On : 04/21/22 19:32
Operator : JM
Sam Mult : 1
Vial# : 11
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 04722/22 09:06
Qt Upd On: 04/22/22 08:51
Chlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 1M160734.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,S
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->


Abundance
TIC: 1M160734.D\data.ms
Chlorobenzene-d5,S
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,S
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160732.D Sam Mult : 1 Vial# : 9 Qt On : 04/22/22 09:03
Acq On : 04/21/22 18:50 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.155	96	1511165	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	1105937	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.193	152	656638	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.730	111	414111	30.74	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.47%			
39) 1,2-Dichloroethane-d4	4.952	67	219148	30.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.07%			
66) Toluene-d8	6.065	98	1486025	30.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.17%			
76) Bromofluorobenzene	7.528	174	480841	26.66	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.87%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.669	51	6799023	618.1540	ug/l	71
6) Dichlorodifluoromethane	1.660	85	4258165	637.6529	ug/l	94
7) Chloromethane	1.827	50	4153569	489.1088	ug/l	93
8) Bromomethane	2.193	94	5276481	612.2242	ug/l	91
9) Vinyl Chloride	1.920	62	5313073	506.7072	ug/l	99
10) Chloroethane	2.280	64	3838780	503.4982	ug/l	98
11) Trichlorofluoromethane	2.505	101	9379307	475.4930	ug/l	94
12) Ethyl ether	2.737	59	4687914	502.8092	ug/l	89
13) Furan	2.775	39	8574069	469.9381	ug/l	92
14) 1,1,2-Trichloro-1,2,2-...	2.933	101	4603830	489.0946	ug/l #	71
15) Methylene Chloride	3.345	84	4893588	481.2153	ug/l	82
16) Acrolein	2.849	56	4691884	2581.5181	ug/l	95
17) Acrylonitrile	3.550	53	1925661	500.3930	ug/l	90
18) Iodomethane	3.084	142	7097377	642.2237	ug/l	98
19) Acetone	2.978	43	6908086	2498.1661	ug/l	84
20) Carbon Disulfide	3.155	76	13568505	530.3725	ug/l	100
21) t-Butyl Alcohol	3.422	59	2475260	2619.8282	ug/l	87
22) n-Hexane	3.811	57	4590023	494.3564	ug/l	97
23) Di-isopropyl-ether	3.988	45	15267898	512.5089	ug/l	93
24) 1,1-Dichloroethene	2.943	61	7644709	476.7968	ug/l	96
25) Methyl Acetate	3.248	43	3620059	484.3039	ug/l	100
26) Methyl-t-butyl ether	3.579	73	14751683	459.4482	ug/l	97
27) 1,1-Dichloroethane	3.946	63	9337757	487.3345	ug/l	97
28) trans-1,2-Dichloroethene	3.582	96	5425283	502.4033	ug/l	95
29) Ethyl-t-butyl ether	4.280	59	15249346	515.9973	ug/l	97
30) cis-1,2-Dichloroethene	4.406	61	9328441	516.3762	ug/l	97
31) Bromochloromethane	4.579	49	3828846	449.9284	ug/l	93
32) 2,2-Dichloropropane	4.412	77	8673732	508.5838	ug/l	95
33) Ethyl acetate	4.441	43	5109435	551.9814	ug/l	98
34) 1,4-Dioxane	5.586	88	3089328	30020.0777	ug/l	99
35) 1,1-Dichloropropene	4.865	75	7405628	521.1153	ug/l	94
36) Chloroform	4.621	83	9498393	494.3212	ug/l	98
38) Cyclohexane	4.804	56	6709829	509.4435	ug/l	92
40) 1,2-Dichloroethane	5.000	62	7814143	472.1174	ug/l	99
41) 2-Butanone	4.409	43	2212115m	561.5557	ug/l	
42) 1,1,1-Trichloroethane	4.763	97	9244054	498.9990	ug/l	95
43) Carbon Tetrachloride	4.872	117	8293505	527.6575	ug/l	99
44) Vinyl Acetate	3.975	43	17184099	511.5178	ug/l	100
45) Bromodichloromethane	5.656	83	7433994	544.3797	ug/l	96
46) Methylcyclohexane	5.496	83	6286171	528.8292	ug/l	99
47) Dibromomethane	5.576	174	3731415	518.3136	ug/l	93
48) 1,2-Dichloropropane	5.508	63	5147189	515.8721	ug/l	98
49) Trichloroethene	5.373	130	5844587	518.1013	ug/l	99
50) Benzene	4.991	78	14843012m	375.6345	ug/l	
51) tert-Amyl methyl ether	5.045	73	13119720	495.4825	ug/l	96
53) Iso-propylacetate	5.004	43	10152530	543.7377	ug/l	97
54) Methyl methacrylate	5.544	41	4170221	554.9477	ug/l	88
55) Dibromochloromethane	6.550	129	5607772	582.9486	ug/l	98
56) 2-Chloroethylvinylether	5.807	63	764842	531.5754	ug/l	96
57) cis-1,3-Dichloropropene	5.907	75	8611808	553.3581	ug/l	98
58) trans-1,3-Dichloropropene	6.209	75	7932400	548.2743	ug/l	100
59) Ethyl methacrylate	6.238	41	4611830	542.2328	ug/l	87
60) 1,1,2-Trichloroethane	6.319	97	4594146	519.3640	ug/l	99
61) 1,2-Dibromoethane	6.631	107	4977028	533.3235	ug/l	99
62) 1,3-Dichloropropane	6.418	76	7943101	516.7318	ug/l	99
63) 4-Methyl-2-Pentanone	5.981	43	4472291	528.2716	ug/l	98
64) 2-Hexanone	6.441	43	3096275	551.1077	ug/l	100
65) Tetrachloroethene	6.418	164	4558706	524.2763	ug/l	96
67) Toluene	6.100	92	11657511	472.0179	ug/l	55

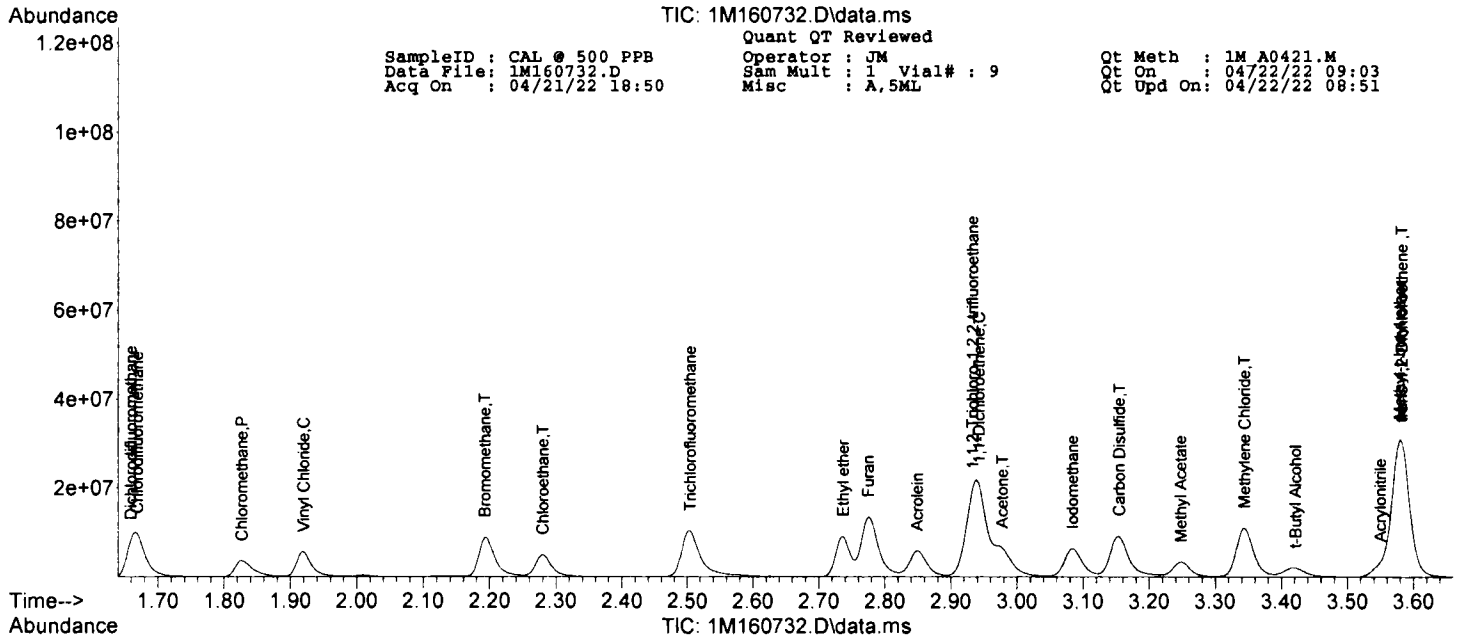
Quantitation Report (QT Reviewed)

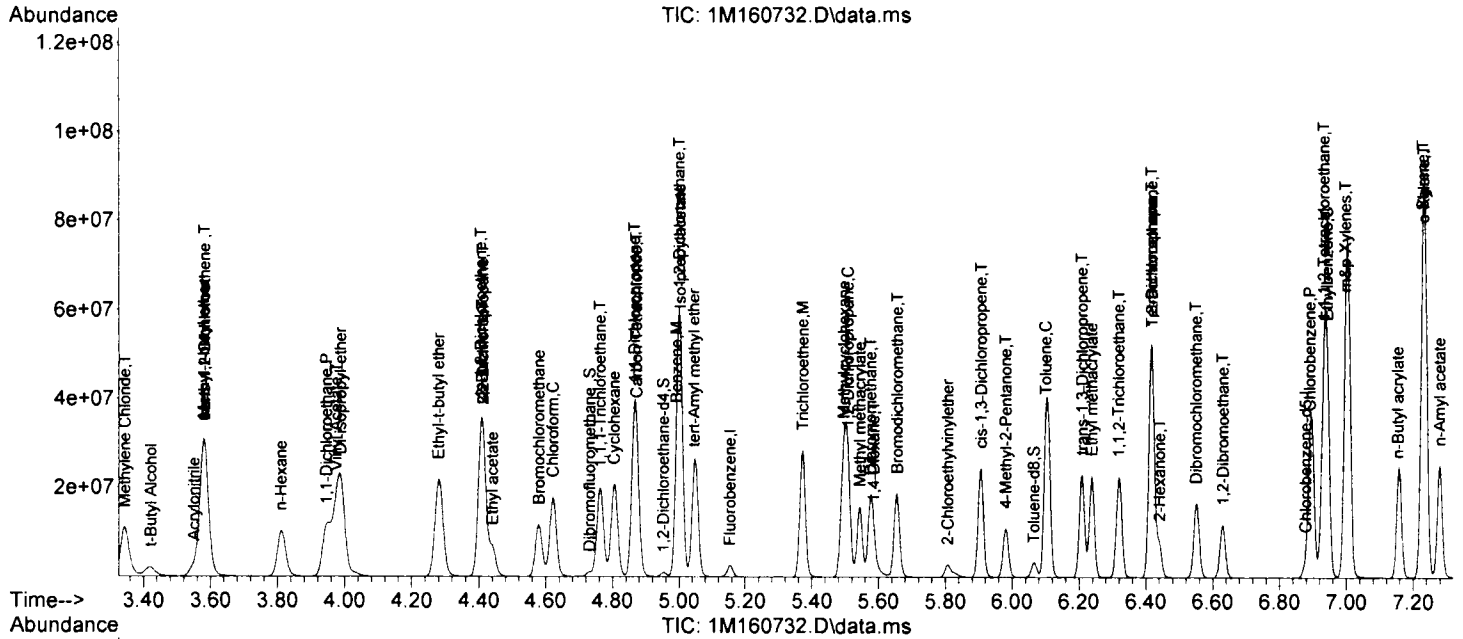
SampleID : CAL @ 500 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160732.D Sam Mult : 1 Vial# : 9 Qt On : 04/22/22 09:03
Acq On : 04/21/22 18:50 Misc : A,5ML Qt Upd On: 04/22/22 08:51

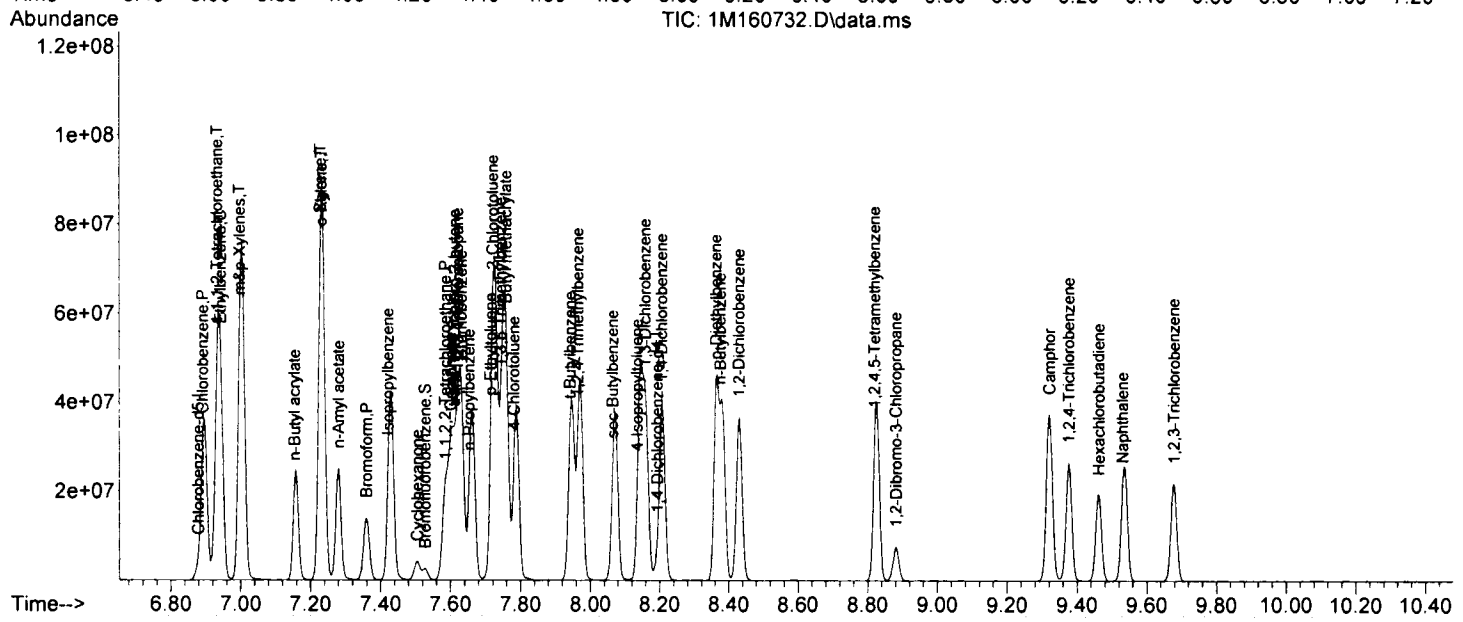
Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.933	133	5099712	546.5613	ug/l		97
69)	Chlorobenzene	6.891	112	12017888	450.0585	ug/l		89
71)	n-Butyl acrylate	7.155	55	9940033	488.9438	ug/l		96
72)	n-Amyl acetate	7.280	43	8698256	493.8600	ug/l		92
73)	Bromoform	7.360	173	4222953	532.4472	ug/l		96
74)	Ethylbenzene	6.942	106	6731776	423.8900	ug/l	#	4
75)	1,1,2,2-Tetrachloroethane	7.586	83	6341515	461.1183	ug/l		97
77)	Styrene	7.229	104	12487051m	370.9772	ug/l		
78)	m&p-Xylenes	6.997	106	13191024m	649.0892	ug/l		
79)	o-Xylene	7.232	106	9435741	449.6870	ug/l	#	35
80)	trans-1,4-Dichloro-2-b...	7.611	53	2981853	487.3054	ug/l		90
81)	1,3-Dichlorobenzene	8.158	146	10648664	470.0284	ug/l		96
82)	1,4-Dichlorobenzene	8.206	146	10820294	447.2828	ug/l		95
83)	1,2-Dichlorobenzene	8.431	146	10445728	478.0005	ug/l		97
84)	Isopropylbenzene	7.422	105	13994416m	293.5520	ug/l		
85)	Cyclohexanone	7.505	55	1193149	2535.8374	ug/l		94
86)	Camphene	7.602	93	5854834	442.1392	ug/l		98
87)	1,2,3-Trichloropropane	7.621	75	8572696	483.1062	ug/l		97
88)	2-Chlorotoluene	7.721	91	8388096m	268.4133	ug/l		
89)	p-Ethyltoluene	7.714	105	14795111m	312.5344	ug/l		
90)	4-Chlorotoluene	7.782	91	8386180m	273.0197	ug/l		
91)	n-Propylbenzene	7.653	91	14349183m	270.6806	ug/l		
92)	Bromobenzene	7.631	77	12798457	453.6923	ug/l		83
93)	1,3,5-Trimethylbenzene	7.743	105	11999903m	327.4649	ug/l		
94)	Butyl methacrylate	7.759	41	7337729	523.0987	ug/l		82
95)	t-Butylbenzene	7.942	119	14790200	421.0542	ug/l		89
96)	1,2,4-Trimethylbenzene	7.965	105	13207895m	353.0369	ug/l		
97)	sec-Butylbenzene	8.065	105	13824263m	336.3813	ug/l		
98)	4-Isopropyltoluene	8.135	119	13092069m	374.0849	ug/l		
99)	n-Butylbenzene	8.377	91	15486286m	412.7555	ug/l		
100)	p-Diethylbenzene	8.364	119	10437626	487.0792	ug/l		96
101)	1,2,4,5-Tetramethylben...	8.820	119	12617296	449.0415	ug/l		80
102)	1,2-Dibromo-3-Chloropr...	8.881	157	1543168	537.7711	ug/l		81
103)	Camphor	9.322	95	6859692	5445.7034	ug/l		99
104)	Hexachlorobutadiene	9.463	225	2635773	505.8420	ug/l		99
105)	1,2,4-Trichlorobenzene	9.376	180	5920930	515.0830	ug/l		97
106)	1,2,3-Trichlorobenzene	9.679	180	4971385	512.2488	ug/l		97
107)	Naphthalene	9.531	128	12760969	438.5577	ug/l		90

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


Abundance
TIC: 1M160732.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 1M160732.D
Acq On : 04/21/22 18:50
Operator : JM
Sam Mult : 1 Vial# : 9
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 04/22/22 09:03
Qt Upd On: 04/22/22 08:51
1.2e+08
1e+08
8e+07
6e+07
4e+07
2e+07
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->
1.70 1.80 1.90 2.00 2.10 2.20 2.30 2.40 2.50 2.60 2.70 2.80 2.90 3.00 3.10 3.20 3.30 3.40 3.50 3.60


Abundance
TIC: 1M160732.D\data.ms
1.2e+08
1e+08
8e+07
6e+07
4e+07
2e+07
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Time-->
3.40 3.60 3.80 4.00 4.20 4.40 4.60 4.80 5.00 5.20 5.40 5.60 5.80 6.00 6.20 6.40 6.60 6.80 7.00 7.20


Abundance
TIC: 1M160732.D\data.ms
1.2e+08
1e+08
8e+07
6e+07
4e+07
2e+07
Chlorobenzene-d5
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Chlorotoluene
Butylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4,S
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->
6.80 7.00 7.20 7.40 7.60 7.80 8.00 8.20 8.40 8.60 8.80 9.00 9.20 9.40 9.60 9.80 10.00 10.20 10.40

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160727.D Sam Mult : 1 Vial# : 4 Qt On : 04/22/22 08:54
Acq On : 04/21/22 17:06 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
4) Fluorobenzene	5.158	96	1424400	30.00	ug/l		0.00
52) Chlorobenzene-d5	6.878	117	1059942	30.00	ug/l		0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	470198	30.00	ug/l		0.00
System Monitoring Compounds							
37) Dibromofluoromethane	4.730	111	372686	29.35	ug/l		0.00
Spiked Amount 30.000			Recovery = 97.83%				
39) 1,2-Dichloroethane-d4	4.955	67	211476	31.04	ug/l		0.00
Spiked Amount 30.000			Recovery = 103.47%				
66) Toluene-d8	6.065	98	1402398	29.59	ug/l		0.00
Spiked Amount 30.000			Recovery = 98.63%				
76) Bromofluorobenzene	7.528	174	409122	31.67	ug/l		0.00
Spiked Amount 30.000			Recovery = 105.57%				
Target Compounds							Qvalue
5) Chlorodifluoromethane	1.669	51	8164	0.7875	ug/l		51
6) Dichlorodifluoromethane	1.663	85	4050m	0.6434	ug/l		
7) Chloromethane	1.830	50	9019	1.1267	ug/l		91
8) Bromomethane	2.213	94	9820	1.2088	ug/l		61
9) Vinyl Chloride	1.917	62	10135	1.0255	ug/l		100
10) Chloroethane	2.296	64	8785	1.2224	ug/l		87
11) Trichlorofluoromethane	2.509	101	20807	1.1191	ug/l		82
12) Ethyl ether	2.743	59	10304	1.1725	ug/l		64
13) Furan	2.785	39	20905	1.2156	ug/l		84
14) 1,1,2-Trichloro-1,2,2-...	2.939	101	11065m	1.2471	ug/l		
15) Methylene Chloride	3.345	84	12002	1.2521	ug/l		94
16) Acrolein	2.859	56	9477m	5.5320	ug/l		
17) Acrylonitrile	3.547	53	4139	1.1411	ug/l		71
18) Iodomethane	3.091	142	6700m	0.6432	ug/l		
19) Acetone	2.978	43	18358	7.0432	ug/l		79
20) Carbon Disulfide	3.155	76	26584	1.1024	ug/l		100
21) t-Butyl Alcohol	3.422	59	5370m	6.0298	ug/l		
22) n-Hexane	3.817	57	10813	1.2355	ug/l		93
23) Di-isopropyl-ether	3.988	45	30585	1.0892	ug/l		91
24) 1,1-Dichloroethene	2.949	61	18974	1.2555	ug/l		87
25) Methyl Acetate	3.251	43	9167	1.3011	ug/l		100
26) Methyl-t-butyl ether	3.589	73	33597m	1.1101	ug/l		
27) 1,1-Dichloroethane	3.949	63	22446	1.2428	ug/l		99
28) trans-1,2-Dichloroethene	3.586	96	11218	1.1021	ug/l		89
29) Ethyl-t-butyl ether	4.280	59	29563m	1.0613	ug/l		
30) cis-1,2-Dichloroethene	4.409	61	21338	1.2531	ug/l		96
31) Bromochloromethane	4.582	49	9408	1.1729	ug/l		74
32) 2,2-Dichloropropane	4.412	77	19395	1.2065	ug/l		95
33) Ethyl acetate	4.438	43	9402m	1.0776	ug/l		
34) 1,4-Dioxane	5.586	88	3633m	37.4536	ug/l		
35) 1,1-Dichloropropene	4.865	75	14293	1.0670	ug/l		97
36) Chloroform	4.624	83	20679	1.1417	ug/l		82
38) Cyclohexane	4.811	56	15614	1.2577	ug/l		81
40) 1,2-Dichloroethane	5.000	62	16976	1.0881	ug/l		99
41) 2-Butanone	4.415	43	4663	1.2558	ug/l		61
42) 1,1,1-Trichloroethane	4.763	97	20352	1.1655	ug/l		83
43) Carbon Tetrachloride	4.872	117	16199	1.0934	ug/l		99
44) Vinyl Acetate	3.968	43	21538m	0.6802	ug/l		
45) Bromodichloromethane	5.656	83	12948	1.0059	ug/l		92
46) Methylcyclohexane	5.496	83	11165	0.9965	ug/l		90
47) Dibromomethane	5.576	174	7934	1.1692	ug/l		73
48) 1,2-Dichloropropane	5.505	63	10758	1.1439	ug/l		90
49) Trichloroethene	5.367	130	12380	1.1643	ug/l	#	68
50) Benzene	5.000	78	41689	1.1193	ug/l		100
51) tert-Amyl methyl ether	5.049	73	25092	1.0054	ug/l		86
53) Iso-propylacetate	5.004	43	16571	0.9260	ug/l		93
54) Methyl methacrylate	5.544	41	6218	0.8634	ug/l		86
55) Dibromochloromethane	6.550	129	7852	0.8517	ug/l		98
56) 2-Chloroethylvinylether	5.811	63	1643	1.1915	ug/l		92
57) cis-1,3-Dichloropropene	5.904	75	12919	0.8661	ug/l		93
58) trans-1,3-Dichloropropene	6.206	75	11910	0.8589	ug/l		79
59) Ethyl methacrylate	6.235	41	7943	0.9744	ug/l		64
60) 1,1,2-Trichloroethane	6.319	97	8385	0.9891	ug/l		77
61) 1,2-Dibromoethane	6.634	107	7630	0.8531	ug/l		93
62) 1,3-Dichloropropane	6.412	76	14239	0.9665	ug/l		95
63) 4-Methyl-2-Pentanone	5.984	43	8462	1.0429	ug/l		63
64) 2-Hexanone	6.441	43	4746	0.8814	ug/l		80
65) Tetrachloroethene	6.418	164	8987	1.0784	ug/l		78
67) Toluene	6.103	92	23006	0.9719	ug/l		79

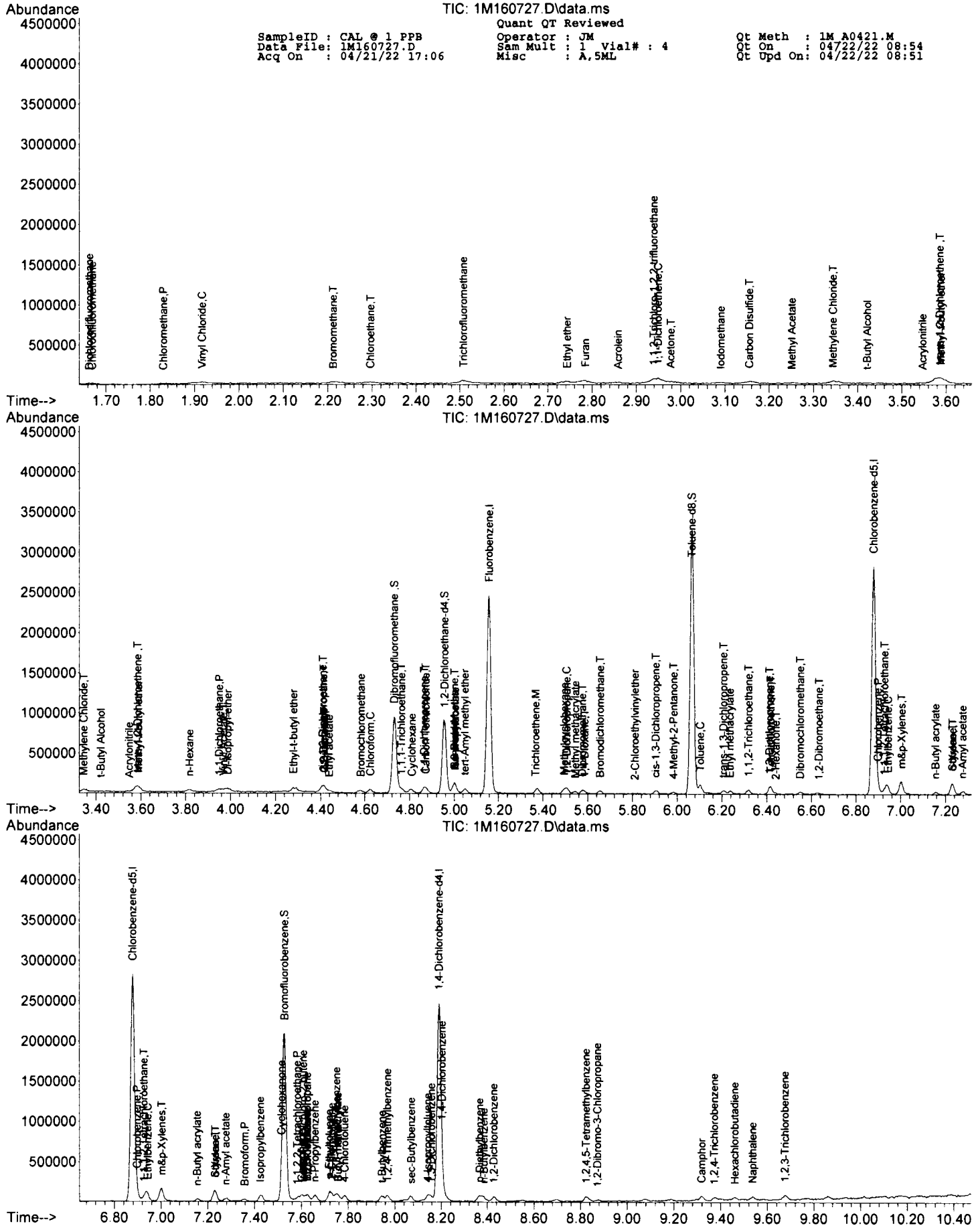
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160727.D Sam Mult : 1 Vial# : 4 Qt On : 04/22/22 08:54
Acq On : 04/21/22 17:06 Misc : A,5ML Qt Upd On: 04/22/22 08:51

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.926	133	7894	0.8828	ug/l		74
69)	Chlorobenzene	6.897	112	23859	0.9323	ug/l		93
71)	n-Butyl acrylate	7.155	55	12521	0.8601	ug/l		96
72)	n-Amyl acetate	7.277	43	11622	0.9215	ug/l		87
73)	Bromoform	7.357	173	4968	0.8748	ug/l		96
74)	Ethylbenzene	6.942	106	12844m	1.1295	ug/l		
75)	1,1,2,2-Tetrachloroethane	7.582	83	9837	0.9989	ug/l		77
77)	Styrene	7.232	104	21994	0.9125	ug/l		85
78)	m&p-Xylenes	7.004	106	28010	1.9248	ug/l		96
79)	o-Xylene	7.232	106	14006	0.9322	ug/l		89
80)	trans-1,4-Dichloro-2-b...	7.608	53	3793	0.8657	ug/l		88
81)	1,3-Dichlorobenzene	8.158	146	15758	0.9713	ug/l		92
82)	1,4-Dichlorobenzene	8.203	146	19626	1.1330	ug/l		84
83)	1,2-Dichlorobenzene	8.428	146	16576	1.0593	ug/l		94
84)	Isopropylbenzene	7.425	105	35265	1.0330	ug/l		89
85)	Cyclohexanone	7.515	55	2635m	7.8208	ug/l		
86)	Camphene	7.602	93	10362	1.0928	ug/l		91
87)	1,2,3-Trichloropropane	7.624	75	13526m	1.0645	ug/l		
88)	2-Chlorotoluene	7.727	91	25656	1.1465	ug/l		89
89)	p-Ethyltoluene	7.717	105	34394	1.0146	ug/l		94
90)	4-Chlorotoluene	7.785	91	27416	1.2465	ug/l		94
91)	n-Propylbenzene	7.656	91	41694	1.0984	ug/l		98
92)	Bromobenzene	7.624	77	20370	1.0084	ug/l		88
93)	1,3,5-Trimethylbenzene	7.750	105	26916	1.0258	ug/l		94
94)	Butyl methacrylate	7.756	41	9535	0.9493	ug/l		72
95)	t-Butylbenzene	7.946	119	24225	0.9631	ug/l		90
96)	1,2,4-Trimethylbenzene	7.968	105	27044	1.0095	ug/l		92
97)	sec-Butylbenzene	8.071	105	28925	0.9829	ug/l		94
98)	4-Isopropyltoluene	8.142	119	23413	0.9343	ug/l		84
99)	n-Butylbenzene	8.386	91	27145	1.0104	ug/l		82
100)	p-Diethylbenzene	8.367	119	15765	1.0274	ug/l		74
101)	1,2,4,5-Tetramethylben...	8.823	119	18598	0.9243	ug/l		89
102)	1,2-Dibromo-3-Chloropr...	8.872	157	2133	1.0381	ug/l		85
103)	Camphor	9.319	95	8500	9.4235	ug/l		90
104)	Hexachlorobutadiene	9.460	225	3880	1.0399	ug/l	#	68
105)	1,2,4-Trichlorobenzene	9.373	180	8451	1.0267	ug/l		82
106)	1,2,3-Trichlorobenzene	9.675	180	6493	0.9343	ug/l		90
107)	Naphthalene	9.537	128	18441	0.8851	ug/l		96

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


Abundance
TIC: 1M160727.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 1M160727.D
Acq On : 04/21/22 17:06
Operator : JM
Sam Mult : 1 Vial# : 4
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 04722/22 08:54
Qt Upd On: 04/22/22 08:51
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Time-->
Abundance
TIC: 1M160727.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Dibromofluoromethane,S
1,1,1-Trichloroethane,T
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->
Abundance
TIC: 1M160727.D\data.ms
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
sec-Butylbenzene
1,4-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT **Reviewed**)

SampleID : CAL @ 0.5 PPB Operator : JM **Qt Meth** : 1M_A0421.M
Data File: 1M160726.D Sam Mult : 1 Vial# : 3 Qt On : 04/22/22 08:42
Acq On : 04/21/22 16:45 Misc : A,5ML Qt Upd On: 04/22/22 08:41

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.158	96	1319158	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	972005	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	421013	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.730	111	350077	29.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.23%			
39) 1,2-Dichloroethane-d4	4.952	67	191522	30.35	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.17%			
66) Toluene-d8	6.065	98	1292623	29.74	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.13%			
76) Bromofluorobenzene	7.528	174	360999	31.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.03%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	0.000		0	N.D.	d	
6) Dichlorodifluoromethane	0.000		0	N.D.	d	
7) Chloromethane	0.000		0	N.D.	d	
8) Bromomethane	0.000		0	N.D.	d	
9) Vinyl Chloride	0.000		0	N.D.	d	
10) Chloroethane	0.000		0	N.D.	d	
11) Trichlorofluoromethane	0.000		0	N.D.	d	
12) Ethyl ether	0.000		0	N.D.	d	
13) Furan	0.000		0	N.D.	d	
14) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	d	
15) Methylene Chloride	0.000		0	N.D.	d	
16) Acrolein	0.000		0	N.D.	d	
17) Acrylonitrile	0.000		0	N.D.	d	
18) Iodomethane	0.000		0	N.D.	d	
19) Acetone	0.000		0	N.D.	d	
20) Carbon Disulfide	0.000		0	N.D.	d	
21) t-Butyl Alcohol	0.000		0	N.D.	d	
22) n-Hexane	0.000		0	N.D.	d	
23) Di-isopropyl-ether	0.000		0	N.D.	d	
24) 1,1-Dichloroethene	0.000		0	N.D.	d	
25) Methyl Acetate	0.000		0	N.D.	d	
26) Methyl-t-butyl ether	3.586	73	22439	0.8006	ug/l	87
27) 1,1-Dichloroethane	0.000		0	N.D.	d	
28) trans-1,2-Dichloroethene	0.000		0	N.D.	d	
29) Ethyl-t-butyl ether	0.000		0	N.D.	d	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
31) Bromochloromethane	0.000		0	N.D.	d	
32) 2,2-Dichloropropane	0.000		0	N.D.	d	
33) Ethyl acetate	0.000		0	N.D.	d	
34) 1,4-Dioxane	0.000		0	N.D.	d	
35) 1,1-Dichloropropene	0.000		0	N.D.	d	
36) Chloroform	0.000		0	N.D.	d	
38) Cyclohexane	0.000		0	N.D.	d	
40) 1,2-Dichloroethane	4.997	62	10596	0.7334	ug/l	80
41) 2-Butanone	0.000		0	N.D.	d	
42) 1,1,1-Trichloroethane	0.000		0	N.D.	d	
43) Carbon Tetrachloride	0.000		0	N.D.	d	
44) Vinyl Acetate	0.000		0	N.D.	d	
45) Bromodichloromethane	0.000		0	N.D.	d	
46) Methylcyclohexane	0.000		0	N.D.	d	
47) Dibromomethane	0.000		0	N.D.	d	
48) 1,2-Dichloropropane	0.000		0	N.D.	d	
49) Trichloroethene	0.000		0	N.D.	d	
50) Benzene	5.000	78	22004	0.6379	ug/l	100
51) tert-Amyl methyl ether	0.000		0	N.D.	d	
53) Iso-propylacetate	0.000		0	N.D.	d	
54) Methyl methacrylate	0.000		0	N.D.	d	
55) Dibromochloromethane	0.000		0	N.D.	d	
56) 2-Chloroethylvinylether	0.000		0	N.D.	d	
57) cis-1,3-Dichloropropene	0.000		0	N.D.	d	
58) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
59) Ethyl methacrylate	0.000		0	N.D.	d	
60) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
61) 1,2-Dibromoethane	0.000		0	N.D.	d	
62) 1,3-Dichloropropane	0.000		0	N.D.	d	
63) 4-Methyl-2-Pentanone	0.000		0	N.D.	d	
64) 2-Hexanone	0.000		0	N.D.	d	
65) Tetrachloroethene	0.000		0	N.D.	d	
67) Toluene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : JM Qt Meth : 1M_A0421.M
Data File: 1M160726.D Sam Mult : 1 Vial# : 3 Qt On : 04/22/22 08:42
Acq On : 04/21/22 16:45 Misc : A,5ML Qt Upd On: 04/22/22 08:41

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	0.000		0	N.D. d		
69)	Chlorobenzene	0.000		0	N.D. d		
71)	n-Butyl acrylate	0.000		0	N.D. d		
72)	n-Amyl acetate	0.000		0	N.D. d		
73)	Bromoform	0.000		0	N.D. d		
74)	Ethylbenzene	0.000		0	N.D. d		
75)	1,1,2,2-Tetrachloroethane	0.000		0	N.D. d		
77)	Styrene	0.000		0	N.D. d		
78)	m&p-Xylenes	7.000	106	13921	1.0684	ug/l	89
79)	o-Xylene	0.000		0	N.D. d		
80)	trans-1,4-Dichloro-2-b...	0.000		0	N.D. d		
81)	1,3-Dichlorobenzene	0.000		0	N.D. d		
82)	1,4-Dichlorobenzene	0.000		0	N.D. d		
83)	1,2-Dichlorobenzene	0.000		0	N.D. d		
84)	Isopropylbenzene	0.000		0	N.D. d		
85)	Cyclohexanone	0.000		0	N.D. d		
86)	Camphene	0.000		0	N.D. d		
87)	1,2,3-Trichloropropane	0.000		0	N.D. d		
88)	2-Chlorotoluene	0.000		0	N.D. d		
89)	p-Ethyltoluene	0.000		0	N.D. d		
90)	4-Chlorotoluene	0.000		0	N.D. d		
91)	n-Propylbenzene	0.000		0	N.D. d		
92)	Bromobenzene	0.000		0	N.D. d		
93)	1,3,5-Trimethylbenzene	0.000		0	N.D. d		
94)	Butyl methacrylate	0.000		0	N.D. d		
95)	t-Butylbenzene	0.000		0	N.D. d		
96)	1,2,4-Trimethylbenzene	0.000		0	N.D. d		
97)	sec-Butylbenzene	0.000		0	N.D. d		
98)	4-Isopropyltoluene	0.000		0	N.D. d		
99)	n-Butylbenzene	0.000		0	N.D. d		
100)	p-Diethylbenzene	0.000		0	N.D. d		
101)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d		
102)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D. d		
103)	Camphor	9.322	95	3597	4.4537	ug/l	79
104)	Hexachlorobutadiene	0.000		0	N.D. d		
105)	1,2,4-Trichlorobenzene	0.000		0	N.D. d		
106)	1,2,3-Trichlorobenzene	0.000		0	N.D. d		
107)	Naphthalene	0.000		0	N.D. d		

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

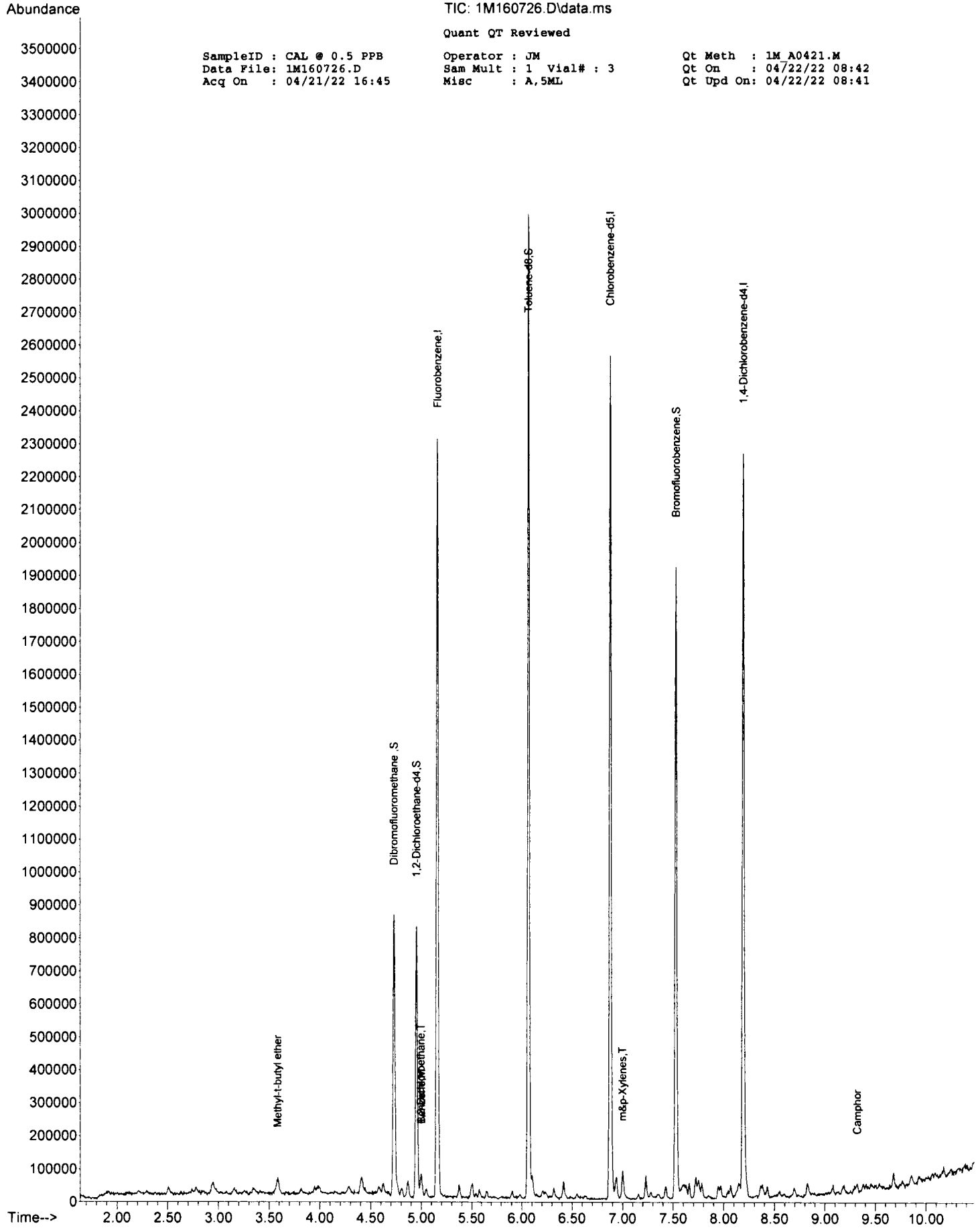
TIC: 1M160726.D\data.ms

Quant QT Reviewed

SampleID : CAL @ 0.5 PPB
Data File: 1M160726.D
Acq On : 04/21/22 16:45

Operator : JM
Sam Mult : 1 Vial# : 3
Misc : A,5ML

Qt Meth : 1M_A0421.M
Qt On : 04/22/22 08:42
Qt Upd On: 04/22/22 08:41



TxtDfile: 1M160741.D ICV FORM Date/Time: 04/21/22 21:58

Compound	bytCol Num:	bytMr Num:	Type	sngConc:	Exp Conc	Rec	Flag	sngLoLim:	sngHiLim:
Chlorodifluoromethane	1	0		16.9024	20	85		70	130
Dichlorodifluoromethane	1	0		13.5537	20	68		50	150
Chloromethane	1	0		19.9334	20	100		70	130
Bromomethane	1	0		23.6098	20	118		70	130
Vinyl Chloride	1	0		21.6274	20	108		70	130
Chloroethane	1	0		21.8666	20	109		70	130
Trichlorofluoromethane	1	0		21.615	20	108		70	130
Ethyl ether	1	0		17.4135	20	87		70	130
Furan	1	0		16.6074	20	93		70	130
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0		20.4502	20	102		70	130
Methylene Chloride	1	0		22.4738	20	112		70	130
Acrolein	1	0		101.0456	100	101		50	150
Acrylonitrile	1	0		21.141	20	106		50	150
Iodomethane	1	0		11.8122	20	59	*	70	130
Acetone	1	0		97.6086	100	98		50	150
Carbon Disulfide	1	0		21.1133	20	106		70	130
t-Butyl Alcohol	1	0		100.406	100	100		50	150
n-Hexane	1	0		20.0528	20	100		70	130
Di-isopropyl-ether	1	0		20.2122	20	101		70	130
1,1-Dichloroethene	1	0		23.0369	20	115		70	130
Methyl Acetate	1	0		21.2971	20	106		70	130
Methyl-t-butyl ether	1	0		20.1985	20	101		70	130
1,1-Dichloroethane	1	0		21.7643	20	109		70	130
trans-1,2-Dichloroethene	1	0		22.1825	20	111		70	130
Ethyl-t-butyl ether	1	0		21.1017	20	106		70	130
cis-1,2-Dichloroethene	1	0		21.8945	20	109		70	130
Bromochloromethane	1	0		22.8678	20	114		70	130
2,2-Dichloropropane	1	0		20.6814	20	103		70	130
Ethyl acetate	1	0		20.5422	20	103		70	130
1,4-Dioxane	1	0		929.585	1000	93		70	130
1,1-Dichloropropene	1	0		21.8586	20	109		70	130
Chloroform	1	0		21.7254	20	109		70	130
Cyclohexane	1	0		20.5863	20	103		70	130
1,2-Dichloroethane	1	0		20.6374	20	103		70	130
2-Butanone	1	0		22.5343	20	113		70	130
1,1,1-Trichloroethane	1	0		21.2988	20	106		70	130
Carbon Tetrachloride	1	0		21.4245	20	107		70	130
Vinyl Acetate	1	0		20.5281	20	103		70	130
Bromodichloromethane	1	0		22.0369	20	110		70	130
Methylcyclohexane	1	0		19.4874	20	97		70	130
Dibromomethane	1	0		21.9109	20	110		70	130
1,2-Dichloropropane	1	0		21.5103	20	108		70	130
Trichloroethene	1	0		21.2347	20	106		70	130
Benzene	1	0		21.502	20	108		70	130
Iso-propylacetate	1	0		18.9953	20	95		70	130
Methyl methacrylate	1	0		20.759	20	104		70	130
Dibromochloromethane	1	0		21.9261	20	110		70	130
2-Chloroethylvinylether	1	0		18.4587	20	92		70	130
cis-1,3-Dichloropropene	1	0		20.9052	20	105		70	130
trans-1,3-Dichloropropene	1	0		21.8635	20	109		70	130
Ethyl methacrylate	1	0		18.1384	20	91		70	130
1,1,2-Trichloroethane	1	0		22.4959	20	112		70	130
1,2-Dibromoethane	1	0		22.5624	20	113		70	130
1,3-Dichloropropane	1	0		22.24	20	111		70	130
4-Methyl-2-Pentanone	1	0		19.787	20	99		70	130
2-Hexanone	1	0		19.8092	20	99		70	130
Tetrachloroethene	1	0		21.57	20	108		70	130
Toluene	1	0		22.5865	20	113		70	130
1,1,1,2-Tetrachloroethane	1	0		21.4204	20	107		70	130
Chlorobenzene	1	0		21.8129	20	109		70	130
n-Butyl acrylate	1	0		19.9159	20	100		70	130
n-Amyl acetate	1	0		20.678	20	103		70	130
Bromoform	1	0		22.1674	20	111		70	130
Ethylbenzene	1	0		22.588	20	113		70	130
1,1,2,2-Tetrachloroethane	1	0		22.791	20	114		70	130
Styrene	1	0		23.2891	20	116		70	130
m&p-Xylenes	1	0		47.4223	40	119		70	130
o-Xylene	1	0		22.9167	20	115		70	130
trans-1,4-Dichloro-2-butene	1	0		21.5971	20	108		70	130
1,3-Dichlorobenzene	1	0		22.7576	20	114		70	130
1,4-Dichlorobenzene	1	0		21.7314	20	109		70	130
1,2-Dichlorobenzene	1	0		21.6198	20	108		70	130
Isopropylbenzene	1	0		24.0759	20	120		70	130
1,2,3-Trichloropropane	1	0		20.9947	20	105		70	130
2-Chlorotoluene	1	0		23.0333	20	115		70	130
4-Chlorotoluene	1	0		21.2738	20	106		70	130
n-Propylbenzene	1	0		22.5694	20	113		70	130
Bromobenzene	1	0		22.8071	20	114		70	130
1,3,5-Trimethylbenzene	1	0		24.1476	20	121		70	130
Butyl methacrylate	1	0		20.2049	20	101		70	130
t-Butylbenzene	1	0		23.2292	20	116		70	130
1,2,4-Trimethylbenzene	1	0		23.8056	20	119		70	130
sec-Butylbenzene	1	0		23.9404	20	120		70	130
4-Isopropyltoluene	1	0		22.6243	20	113		70	130
n-Butylbenzene	1	0		21.9403	20	110		70	130
1,2-Dibromo-3-Chloropropane	1	0		20.7077	20	104		70	130
Hexachlorobutadiene	1	0		18.9037	20	95		70	130
1,2,4-Trichlorobenzene	1	0		20.0762	20	100		70	130
1,2,3-Trichlorobenzene	1	0		19.9631	20	100		70	130
Naphthalene	1	0		19.9092	20	100		70	130

Form7

Continuing Calibration

Calibration Name: CAL @ 20PPB **Data File:** 1M161538.D **Instrument:** GCMS 1

Cont Calibration Date/Time 5/11/2022 1:46:00 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	5.15	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.67	6.77	20	20	0.1	0.218	0.093	66.14	C1
Dichlorodifluoromethane	1	0		1.66	10.10	20	20	0.1	0.137	0.090	49.52	C1
Chloromethane	1	0		1.83	16.00	20	20	0.1	0.169	0.135	20.00	
Bromomethane	1	0		2.21	16.75	20	20	0.1	0.171	0.143	16.27	
Vinyl Chloride	1	0		1.92	17.70	20	20	0.1	0.208	0.184	11.51	
Chloroethane	1	0		2.29	17.62	20	20	0.1	0.151	0.133	11.90	
Trichlorofluoromethane	1	0		2.51	17.45	20	20	0.1	0.392	0.342	12.73	
Ethyl ether	1	0		2.73	22.06	20	20	0.5	0.185	0.204	10.29	
Furan	1	0		2.78	22.43	20	20	0.5	0.362	0.406	12.15	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.93	19.75	20	20	0.1	0.187	0.184	1.27	
Methylene Chloride	1	0		3.34	19.05	20	20	0.1	0.202	0.192	4.75	
Acrolein	1	0		2.85	93.12	100	20		0.037	0.034	6.88	
Acrylonitrile	1	0		3.55	20.00	20	20		0.076	0.076	0.02	
Iodomethane	1	0		3.08	10.70	20	20		0.220	0.136	46.50	C1
Acetone	1	0		2.97	109.95	100	20	0.1	0.055	0.060	9.95	
Carbon Disulfide	1	0		3.15	19.29	20	20	0.1	0.508	0.490	3.54	
t-Butyl Alcohol	1	0		3.41	101.67	100	20		0.020	0.020	1.67	
n-Hexane	1	0		3.81	22.19	20	20		0.184	0.205	10.96	
Di-isopropyl-ether	1	0		3.98	21.88	20	20		0.591	0.647	9.38	
1,1-Dichloroethene	1	0		2.94	19.40	20	20	0.1	0.318	0.309	3.00	
Methyl Acetate	1	0		3.25	20.61	20	20	0.1	0.148	0.153	3.04	
Methyl-t-butyl ether	1	0		3.58	19.96	20	20	0.1	0.635	0.579	0.19	
1,1-Dichloroethane	1	0		3.94	19.82	20	20	0.2	0.380	0.377	0.91	
trans-1,2-Dichloroethene	1	0		3.58	18.94	20	20	0.1	0.214	0.203	5.29	
Ethyl-t-butyl ether	1	0		4.28	22.75	20	20	0.5	0.587	0.668	13.77	
cis-1,2-Dichloroethene	1	0		4.41	19.23	20	20	0.1	0.359	0.345	3.85	
Bromochloromethane	1	0		4.57	22.14	20	20		0.169	0.187	10.72	
2,2-Dichloropropane	1	0		4.41	20.00	20	20		0.339	0.339	0.02	
Ethyl acetate	1	0		4.43	24.97	20	20		0.189	0.236	24.83	C1
1,4-Dioxane	1	0		5.58	1059.15	1000	20		0.002	0.002	5.91	
1,1-Dichloropropene	1	0		4.86	19.30	20	20		0.282	0.272	3.48	
Chloroform	1	0		4.62	20.04	20	20	0.2	0.381	0.382	0.20	
Dibromofluoromethane	1	0	S	4.72	30.35	30	**		0.267	0.271	1.17	
Cyclohexane	1	0		4.80	20.80	20	20	0.1	0.261	0.272	4.00	
1,2-Dichloroethane-d4	1	0	S	4.95	30.21	30	**		0.144	0.145	0.72	
1,2-Dichloroethane	1	0		5.00	17.44	20	20	0.1	0.329	0.287	12.78	
2-Butanone	1	0		4.40	25.19	20	20	0.1	0.078	0.089	25.96	C1
1,1,1-Trichloroethane	1	0		4.76	18.52	20	20	0.1	0.368	0.341	7.39	
Carbon Tetrachloride	1	0		4.87	17.88	20	20	0.1	0.312	0.279	10.62	
Vinyl Acetate	1	0		3.97	22.46	20	20		0.644	0.723	12.28	
Bromodichloromethane	1	0		5.65	19.03	20	20	0.2	0.271	0.258	4.87	
Methylcyclohexane	1	0		5.49	21.13	20	20	0.1	0.236	0.249	5.65	
Dibromomethane	1	0		5.57	18.51	20	20		0.143	0.132	7.43	
1,2-Dichloropropane	1	0		5.50	20.24	20	20	0.1	0.198	0.200	1.20	
Trichloroethene	1	0		5.37	18.49	20	20	0.2	0.224	0.207	7.56	
Benzene	1	0		4.99	19.17	20	20	0.5	0.784	0.752	4.17	
tert-Amyl methyl ether	1	0		5.04	21.18	20	20		0.526	0.557	5.90	
Chlorobenzene-d5	1	0	I	6.87	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		5.00	21.31	20	20	0.5	0.507	0.540	6.56	
Methyl methacrylate	1	0		5.54	21.02	20	20	0.5	0.204	0.214	5.12	
Dibromochloromethane	1	0		6.55	16.95	20	20	0.1	0.261	0.221	15.26	

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

Form7

Continuing Calibration

Calibration Name: CAL @ 20PPB **Data File:** 1M161538.D **Instrument:** GCMS 1

Cont Calibration Date/Time 5/11/2022 1:46:00 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		5.80	16.68	20	20		0.039	0.033	16.61	
cis-1,3-Dichloropropene	1	0		5.90	18.11	20	20	0.2	0.422	0.382	9.43	
trans-1,3-Dichloropropene	1	0		6.20	17.63	20	20	0.1	0.392	0.346	11.83	
Ethyl methacrylate	1	0		6.23	20.82	20	20	0.5	0.231	0.240	4.12	
1,1,2-Trichloroethane	1	0		6.31	18.35	20	20	0.1	0.240	0.220	8.24	
1,2-Dibromoethane	1	0		6.62	17.02	20	20	0.1	0.253	0.215	14.89	
1,3-Dichloropropane	1	0		6.41	18.12	20	20		0.417	0.378	9.42	
4-Methyl-2-Pentanone	1	0		5.97	19.72	20	20	0.1	0.230	0.226	1.40	
2-Hexanone	1	0		6.43	20.10	20	20	0.1	0.152	0.153	0.50	
Tetrachloroethene	1	0		6.41	18.13	20	20	0.2	0.236	0.214	9.34	
Toluene-d8	1	0	S	6.06	29.07	30	**		1.341	1.300	3.08	
Toluene	1	0		6.10	18.25	20	20	0.4	0.670	0.611	8.73	
1,1,1,2-Tetrachloroethane	1	0		6.93	17.04	20	20		0.253	0.216	14.78	
Chlorobenzene	1	0		6.89	17.65	20	20	0.5	0.724	0.639	11.75	
1,4-Dichlorobenzene-d4	1	0	I	8.19	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.15	20.32	20	20	0.5	0.929	0.944	1.59	
n-Amyl acetate	1	0		7.27	21.81	20	20	0.5	0.805	0.878	9.07	
Bromoform	1	0		7.35	17.12	20	20	0.1	0.362	0.310	14.41	
Ethylbenzene	1	0		6.94	15.90	20	20	0.1	0.726	0.577	20.52	C1
1,1,2,2-Tetrachloroethane	1	0		7.58	18.10	20	20	0.1	0.628	0.569	9.49	
Bromofluorobenzene	1	0	S	7.52	31.57	30	**		0.824	0.867	5.25	
Styrene	1	0		7.23	18.08	20	20	0.3	1.538	1.391	9.59	
m&p-Xylenes	1	0		7.00	36.65	40	20	0.1	0.928	0.850	8.37	
o-Xylene	1	0		7.23	17.80	20	20	0.3	0.959	0.853	10.99	
trans-1,4-Dichloro-2-butene	1	0		7.60	21.23	20	20		0.280	0.297	6.17	
1,3-Dichlorobenzene	1	0		8.15	17.84	20	20	0.6	1.035	0.923	10.81	
1,4-Dichlorobenzene	1	0		8.20	16.79	20	20	0.5	1.105	0.928	16.04	
1,2-Dichlorobenzene	1	0		8.42	17.30	20	20	0.4	0.998	0.864	13.50	
Isopropylbenzene	1	0		7.42	18.80	20	20	0.1	2.177	2.047	5.98	
Cyclohexanone	1	0		7.50	216.51	100	20		0.023	0.043	116.51	C1
Camphene	1	0		7.60	20.84	20	20		0.605	0.631	4.21	
1,2,3-Trichloropropane	1	0		7.61	17.66	20	20		0.814	0.719	11.69	
2-Chlorotoluene	1	0		7.72	18.68	20	20		1.428	1.333	6.62	
p-Ethyltoluene	1	0		7.71	21.16	20	20		2.164	2.290	5.82	
4-Chlorotoluene	1	0		7.78	16.97	20	20		1.494	1.268	15.15	
n-Propylbenzene	1	0		7.65	18.73	20	20		2.580	2.416	6.36	
Bromobenzene	1	0		7.62	18.38	20	20		1.289	1.185	8.08	
1,3,5-Trimethylbenzene	1	0		7.74	19.17	20	20		1.675	1.606	4.13	
Butyl methacrylate	1	0		7.75	21.22	20	20	0.5	0.641	0.680	6.08	
t-Butylbenzene	1	0		7.94	18.33	20	20		1.605	1.471	8.36	
1,2,4-Trimethylbenzene	1	0		7.96	18.75	20	20		1.709	1.602	6.24	
sec-Butylbenzene	1	0		8.06	19.59	20	20		1.877	1.839	2.07	
4-Isopropyltoluene	1	0		8.14	18.91	20	20		1.599	1.512	5.44	
n-Butylbenzene	1	0		8.38	19.66	20	20		1.714	1.685	1.69	
p-Diethylbenzene	1	0		8.36	19.68	20	20		0.979	0.963	1.60	
1,2,4,5-Tetramethylbenzene	1	0		8.82	20.99	20	20		1.284	1.347	4.93	
1,2-Dibromo-3-Chloropropane	1	0		8.87	15.01	20	20	0.05	0.131	0.098	24.97	C1
Camphor	1	0		9.32	193.17	200	20		0.058	0.056	3.41	
Hexachlorobutadiene	1	0		9.46	17.72	20	20		0.238	0.211	11.42	
1,2,4-Trichlorobenzene	1	0		9.37	18.56	20	20	0.2	0.525	0.487	7.22	
1,2,3-Trichlorobenzene	1	0		9.67	18.41	20	20		0.443	0.408	7.97	
Naphthalene	1	0		9.53	18.26	20	20		1.329	1.214	8.71	

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

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20PPB Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161538.D Sam Mult : 1 Vial# : 4 Qt On : 05/11/22 14:12
Acq On : 05/11/22 13:46 Misc : A,5ML Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-11-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.152	96	1289915	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	1012768	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.187	152	489403	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.724	111	348972	30.35	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.17%			
39) 1,2-Dichloroethane-d4	4.949	67	186439	30.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.70%			
66) Toluene-d8	6.058	98	1316558	29.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.90%			
76) Bromofluorobenzene	7.521	174	424476	31.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.23%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.669	51	80058	6.7720	ug/l	92
6) Dichlorodifluoromethane	1.656	85	77267	10.0953	ug/l	100
7) Chloromethane	1.830	50	115981	16.0001	ug/l	96
8) Bromomethane	2.206	94	123195	16.7460	ug/l	98
9) Vinyl Chloride	1.920	62	158396	17.6973	ug/l	97
10) Chloroethane	2.293	64	114669	17.6198	ug/l	96
11) Trichlorofluoromethane	2.509	101	293880	17.4540	ug/l	99
12) Ethyl ether	2.734	59	175542	22.0575	ug/l	87
13) Furan	2.775	39	349308	22.4292	ug/l	84
14) 1,1,2-Trichloro-1,2,2-...	2.933	101	158624m	19.7451	ug/l	
15) Methylene Chloride	3.345	84	165368	19.0508	ug/l	89
16) Acrolein	2.849	56	146448	93.1205	ug/l	97
17) Acrylonitrile	3.547	53	65686	19.9965	ug/l	85
18) Iodomethane	3.084	142	116613	10.7009	ug/l	95
19) Acetone	2.972	43	259660	109.9488	ug/l	85
20) Carbon Disulfide	3.155	76	421292	19.2923	ug/l	100
21) t-Butyl Alcohol	3.406	59	86517	101.6710	ug/l	82
22) n-Hexane	3.808	57	175885	22.1924	ug/l	98
23) Di-isopropyl-ether	3.981	45	556300	21.8767	ug/l	86
24) 1,1-Dichloroethene	2.943	61	265503	19.3996	ug/l	94
25) Methyl Acetate	3.248	43	131232	20.6076	ug/l	100
26) Methyl-t-butyl ether	3.576	73	497821	19.9613	ug/l	96
27) 1,1-Dichloroethane	3.943	63	324145	19.8187	ug/l	87
28) trans-1,2-Dichloroethene	3.579	96	174592	18.9411	ug/l	92
29) Ethyl-t-butyl ether	4.277	59	574445	22.7536	ug/l	94
30) cis-1,2-Dichloroethene	4.406	61	296542	19.2307	ug/l	93
31) Bromochloromethane	4.573	49	160851	22.1437	ug/l	88
32) 2,2-Dichloropropane	4.406	77	291200	20.0032	ug/l	95
33) Ethyl acetate	4.434	43	202845	24.9653	ug/l	97
34) 1,4-Dioxane	5.576	88	94239	1059.1498	ug/l	87
35) 1,1-Dichloropropene	4.859	75	234164	19.3038	ug/l	95
36) Chloroform	4.618	83	328690	20.0399	ug/l	95
38) Cyclohexane	4.801	56	233842	20.7997	ug/l	92
40) 1,2-Dichloroethane	4.997	62	246448	17.4439	ug/l	100
41) 2-Butanone	4.402	43	76329m	25.1922	ug/l	
42) 1,1,1-Trichloroethane	4.759	97	292878	18.5214	ug/l	98
43) Carbon Tetrachloride	4.865	117	239839	17.8766	ug/l	99
44) Vinyl Acetate	3.971	43	621584	22.4563	ug/l	100
45) Bromodichloromethane	5.650	83	221778	19.0264	ug/l	98
46) Methylcyclohexane	5.489	83	214400	21.1303	ug/l	99
47) Dibromomethane	5.573	174	113770	18.5139	ug/l	83
48) 1,2-Dichloropropane	5.502	63	172383	20.2403	ug/l	97
49) Trichloroethene	5.367	130	178016	18.4872	ug/l	94
50) Benzene	4.994	78	646431	19.1662	ug/l	100
51) tert-Amyl methyl ether	5.042	73	478723	21.1806	ug/l	98
53) Iso-propylacetate	4.997	43	364425	21.3130	ug/l	91
54) Methyl methacrylate	5.537	41	144682	21.0246	ug/l	86
55) Dibromochloromethane	6.547	129	149303	16.9484	ug/l	96
56) 2-Chloroethylvinylether	5.801	63	21976	16.6787	ug/l	93
57) cis-1,3-Dichloropropene	5.897	75	258168	18.1149	ug/l	98
58) trans-1,3-Dichloropropene	6.203	75	233627	17.6334	ug/l	93
59) Ethyl methacrylate	6.232	41	162186	20.8231	ug/l	78
60) 1,1,2-Trichloroethane	6.312	97	148655	18.3513	ug/l	93
61) 1,2-Dibromoethane	6.624	107	145466	17.0217	ug/l	93
62) 1,3-Dichloropropane	6.409	76	255017	18.1161	ug/l	99
63) 4-Methyl-2-Pentanone	5.975	43	152890	19.7209	ug/l	94
64) 2-Hexanone	6.431	43	103410	20.0993	ug/l	92
65) Tetrachloroethene	6.412	164	144373	18.1311	ug/l	99
67) Toluene	6.097	92	412847	18.2542	ug/l	95

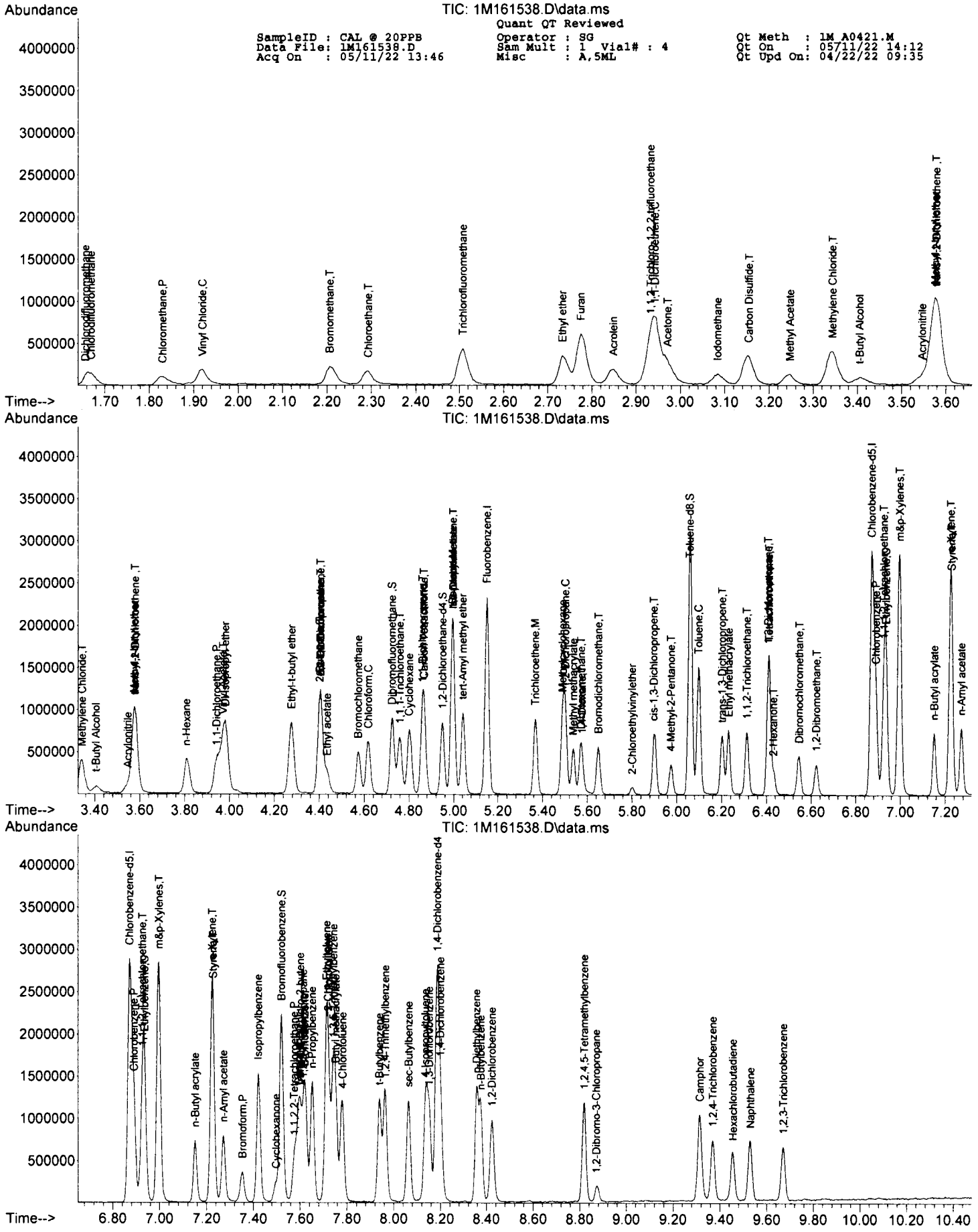
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20PPB Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161538.D Sam Mult : 1 Vial# : 4 Qt On : 05/11/22 14:12
Acq On : 05/11/22 13:46 Misc : A,5ML Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-11-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.926	133	145635	17.0443	ug/l	94
69)	Chlorobenzene	6.891	112	431611	17.6504	ug/l	99
71)	n-Butyl acrylate	7.151	55	307861	20.3182	ug/l	91
72)	n-Amyl acetate	7.274	43	286350	21.8136	ug/l	90
73)	Bromoform	7.354	173	101185	17.1173	ug/l	92
74)	Ethylbenzene	6.936	106	188140	15.8951	ug/l	89
75)	1,1,2,2-Tetrachloroethane	7.576	83	185541	18.1017	ug/l	98
77)	Styrene	7.229	104	453692	18.0813	ug/l	94
78)	m&p-Xylenes	6.997	106	554783	36.6523	ug/l	100
79)	o-Xylene	7.225	106	278397	17.8016	ug/l	98
80)	trans-1,4-Dichloro-2-b...	7.602	53	96842	21.2343	ug/l	89
81)	1,3-Dichlorobenzene	8.151	146	301198	17.8378	ug/l	95
82)	1,4-Dichlorobenzene	8.200	146	302752	16.7915	ug/l	98
83)	1,2-Dichlorobenzene	8.425	146	281776	17.3003	ug/l	97
84)	Isopropylbenzene	7.422	105	667840	18.8037	ug/l	99
85)	Cyclohexanone	7.499	55	69717	216.5085	ug/l	97
86)	Camphene	7.595	93	205819	20.8416	ug/l	99
87)	1,2,3-Trichloropropane	7.614	75	234471	17.6625	ug/l	99
88)	2-Chlorotoluene	7.721	91	435008	18.6766	ug/l	92
89)	p-Ethyltoluene	7.714	105	747058	21.1645	ug/l	96
90)	4-Chlorotoluene	7.782	91	413712	16.9709	ug/l	96
91)	n-Propylbenzene	7.653	91	788273	18.7286	ug/l	96
92)	Bromobenzene	7.621	77	386514	18.3835	ug/l	80
93)	1,3,5-Trimethylbenzene	7.743	105	524013	19.1747	ug/l	97
94)	Butyl methacrylate	7.753	41	221920	21.2154	ug/l	67
95)	t-Butylbenzene	7.939	119	479816	18.3273	ug/l	99
96)	1,2,4-Trimethylbenzene	7.965	105	522822	18.7527	ug/l	99
97)	sec-Butylbenzene	8.065	105	599882	19.5868	ug/l	98
98)	4-Isopropyltoluene	8.135	119	493261	18.9116	ug/l	97
99)	n-Butylbenzene	8.376	91	549785	19.6618	ug/l	82
100)	p-Diethylbenzene	8.357	119	314309	19.6795	ug/l	82
101)	1,2,4,5-Tetramethylben...	8.820	119	439550	20.9870	ug/l	98
102)	1,2-Dibromo-3-Chloropr...	8.872	157	32095	15.0066	ug/l	91
103)	Camphor	9.315	95	181360	193.1747	ug/l	92
104)	Hexachlorobutadiene	9.457	225	68802	17.7161	ug/l	96
105)	1,2,4-Trichlorobenzene	9.370	180	158970	18.5550	ug/l	97
106)	1,2,3-Trichlorobenzene	9.672	180	133131	18.4053	ug/l	98
107)	Naphthalene	9.531	128	395957	18.2579	ug/l	97

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


Abundance
TIC: 1M161538.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20PPB
Data File: 1M161538.D
Acq On : 05/11/22 13:46
Operator : SG
Sam Mult : 1 Vial# : 4
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 05711/22 14:12
Qt Upd On: 04/22/22 09:35
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 1M161538.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->

Abundance
TIC: 1M161538.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
4-Chlorotoluene
1,4-Dichlorobenzene-d4
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M161676.D **Instrument:** GCMS 1

Cont Calibration Date/Time 5/13/2022 6:01:00 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	5.15	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.67	6.77	20	20	0.1	0.218	0.093	66.14	C1
Dichlorodifluoromethane	1	0		1.66	18.82	20	20	0.1	0.137	0.167	5.92	
Chloromethane	1	0		1.83	23.98	20	20	0.1	0.169	0.202	19.91	
Bromomethane	1	0		2.21	15.65	20	20	0.1	0.171	0.134	21.76	C1
Vinyl Chloride	1	0		1.92	23.05	20	20	0.1	0.208	0.240	15.23	
Chloroethane	1	0		2.29	21.26	20	20	0.1	0.151	0.161	6.28	
Trichlorofluoromethane	1	0		2.51	19.52	20	20	0.1	0.392	0.382	2.42	
Ethyl ether	1	0		2.74	22.33	20	20	0.5	0.185	0.207	11.66	
Furan	1	0		2.78	23.44	20	20	0.5	0.362	0.425	17.20	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.94	22.11	20	20	0.1	0.187	0.207	10.56	
Methylene Chloride	1	0		3.34	21.90	20	20	0.1	0.202	0.221	9.48	
Acrolein	1	0		2.85	103.45	100	20		0.037	0.038	3.45	
Acrylonitrile	1	0		3.54	25.55	20	20		0.076	0.098	27.76	C1
Iodomethane	1	0		3.08	14.29	20	20		0.220	0.181	28.54	C1
Acetone	1	0		2.97	140.38	100	20	0.1	0.055	0.077	40.38	C1
Carbon Disulfide	1	0		3.15	18.50	20	20	0.1	0.508	0.470	7.48	
t-Butyl Alcohol	1	0		3.40	118.80	100	20		0.020	0.024	18.80	
n-Hexane	1	0		3.81	24.08	20	20		0.184	0.222	20.39	
Di-isopropyl-ether	1	0		3.98	23.91	20	20		0.591	0.707	19.57	
1,1-Dichloroethene	1	0		2.94	21.16	20	20	0.1	0.318	0.337	5.78	
Methyl Acetate	1	0		3.24	24.09	20	20	0.1	0.148	0.178	20.46	
Methyl-t-butyl ether	1	0		3.58	21.20	20	20	0.1	0.635	0.615	6.01	
1,1-Dichloroethane	1	0		3.94	21.75	20	20	0.2	0.380	0.414	8.77	
trans-1,2-Dichloroethene	1	0		3.59	20.80	20	20	0.1	0.214	0.223	4.00	
Ethyl-t-butyl ether	1	0		4.28	22.22	20	20	0.5	0.587	0.652	11.12	
cis-1,2-Dichloroethene	1	0		4.40	22.81	20	20	0.1	0.359	0.409	14.06	
Bromochloromethane	1	0		4.57	25.51	20	20		0.169	0.215	27.55	C1
2,2-Dichloropropane	1	0		4.41	21.65	20	20		0.339	0.367	8.25	
Ethyl acetate	1	0		4.43	26.65	20	20		0.189	0.252	33.23	C1
1,4-Dioxane	1	0		5.57	1262.85	1000	20		0.002	0.003	26.28	C1
1,1-Dichloropropene	1	0		4.86	20.05	20	20		0.282	0.283	0.23	
Chloroform	1	0		4.62	21.73	20	20	0.2	0.381	0.415	8.67	
Dibromofluoromethane	1	0	S	4.72	30.52	30	**		0.267	0.272	1.74	
Cyclohexane	1	0		4.80	21.50	20	20	0.1	0.261	0.281	7.48	
1,2-Dichloroethane-d4	1	0	S	4.95	32.00	30	**		0.144	0.153	6.68	
1,2-Dichloroethane	1	0		4.99	19.38	20	20	0.1	0.329	0.318	3.12	
2-Butanone	1	0		4.40	29.84	20	20	0.1	0.078	0.105	49.18	C1
1,1,1-Trichloroethane	1	0		4.76	19.26	20	20	0.1	0.368	0.354	3.68	
Carbon Tetrachloride	1	0		4.87	18.70	20	20	0.1	0.312	0.292	6.49	
Vinyl Acetate	1	0		3.97	24.89	20	20		0.644	0.801	24.47	C1
Bromodichloromethane	1	0		5.65	20.21	20	20	0.2	0.271	0.274	1.06	
Methylcyclohexane	1	0		5.49	19.72	20	20	0.1	0.236	0.233	1.42	
Dibromomethane	1	0		5.57	20.27	20	20		0.143	0.145	1.37	
1,2-Dichloropropane	1	0		5.50	22.50	20	20	0.1	0.198	0.223	12.48	
Trichloroethene	1	0		5.37	19.18	20	20	0.2	0.224	0.215	4.12	
Benzene	1	0		4.99	20.73	20	20	0.5	0.784	0.813	3.64	
tert-Amyl methyl ether	1	0		5.04	21.13	20	20		0.526	0.555	5.67	
Chlorobenzene-d5	1	0	I	6.87	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		5.00	23.96	20	20	0.5	0.507	0.607	19.79	
Methyl methacrylate	1	0		5.54	22.92	20	20	0.5	0.204	0.234	14.59	
Dibromochloromethane	1	0		6.54	18.61	20	20	0.1	0.261	0.243	6.96	

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:** 1M161676.D **Instrument:** GCMS 1

Cont Calibration Date/Time 5/13/2022 6:01:00 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		5.80	17.10	20	20		0.039	0.033	14.52	
cis-1,3-Dichloropropene	1	0		5.90	19.04	20	20	0.2	0.422	0.402	4.81	
trans-1,3-Dichloropropene	1	0		6.20	19.55	20	20	0.1	0.392	0.384	2.25	
Ethyl methacrylate	1	0		6.23	23.20	20	20	0.5	0.231	0.268	15.98	
1,1,2-Trichloroethane	1	0		6.31	20.35	20	20	0.1	0.240	0.244	1.76	
1,2-Dibromoethane	1	0		6.62	19.68	20	20	0.1	0.253	0.249	1.58	
1,3-Dichloropropane	1	0		6.41	20.05	20	20		0.417	0.418	0.27	
4-Methyl-2-Pentanone	1	0		5.97	22.22	20	20	0.1	0.230	0.255	11.08	
2-Hexanone	1	0		6.43	23.65	20	20	0.1	0.152	0.180	18.24	
Tetrachloroethene	1	0		6.41	19.41	20	20	0.2	0.236	0.229	2.95	
Toluene-d8	1	0	S	6.06	29.71	30	**		1.341	1.328	0.98	
Toluene	1	0		6.10	19.19	20	20	0.4	0.670	0.643	4.06	
1,1,1,2-Tetrachloroethane	1	0		6.93	19.06	20	20		0.253	0.241	4.68	
Chlorobenzene	1	0		6.89	19.81	20	20	0.5	0.724	0.718	0.94	
1,4-Dichlorobenzene-d4	1	0	I	8.18	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.15	21.96	20	20	0.5	0.929	1.020	9.79	
n-Amyl acetate	1	0		7.27	23.17	20	20	0.5	0.805	0.932	15.87	
Bromoform	1	0		7.35	18.15	20	20	0.1	0.362	0.329	9.24	
Ethylbenzene	1	0		6.93	16.44	20	20	0.1	0.726	0.597	17.78	
1,1,2,2-Tetrachloroethane	1	0		7.58	18.89	20	20	0.1	0.628	0.594	5.53	
Bromofluorobenzene	1	0	S	7.52	29.52	30	**		0.824	0.811	1.61	
Styrene	1	0		7.23	19.33	20	20	0.3	1.538	1.487	3.35	
m&p-Xylenes	1	0		6.99	37.45	40	20	0.1	0.928	0.869	6.38	
o-Xylene	1	0		7.22	18.26	20	20	0.3	0.959	0.875	8.69	
trans-1,4-Dichloro-2-butene	1	0		7.60	20.53	20	20		0.280	0.287	2.64	
1,3-Dichlorobenzene	1	0		8.15	18.26	20	20	0.6	1.035	0.945	8.69	
1,4-Dichlorobenzene	1	0		8.20	17.51	20	20	0.5	1.105	0.967	12.47	
1,2-Dichlorobenzene	1	0		8.42	17.63	20	20	0.4	0.998	0.880	11.88	
Isopropylbenzene	1	0		7.42	18.90	20	20	0.1	2.177	2.057	5.52	
Cyclohexanone	1	0		7.50	191.65	100	20		0.023	0.038	91.65	C1
Camphene	1	0		7.59	17.94	20	20		0.605	0.543	10.32	
1,2,3-Trichloropropane	1	0		7.61	19.22	20	20		0.814	0.782	3.89	
2-Chlorotoluene	1	0		7.72	18.65	20	20		1.428	1.332	6.73	
p-Ethyltoluene	1	0		7.71	19.97	20	20		2.164	2.160	0.15	
4-Chlorotoluene	1	0		7.78	17.49	20	20		1.494	1.307	12.53	
n-Propylbenzene	1	0		7.65	18.71	20	20		2.580	2.414	6.43	
Bromobenzene	1	0		7.62	20.33	20	20		1.289	1.310	1.64	
1,3,5-Trimethylbenzene	1	0		7.74	18.50	20	20		1.675	1.550	7.50	
Butyl methacrylate	1	0		7.75	20.38	20	20	0.5	0.641	0.653	1.89	
t-Butylbenzene	1	0		7.94	17.07	20	20		1.605	1.370	14.65	
1,2,4-Trimethylbenzene	1	0		7.96	18.52	20	20		1.709	1.583	7.38	
sec-Butylbenzene	1	0		8.06	18.74	20	20		1.877	1.759	6.30	
4-Isopropyltoluene	1	0		8.14	17.40	20	20		1.599	1.391	12.98	
n-Butylbenzene	1	0		8.37	18.48	20	20		1.714	1.584	7.60	
p-Diethylbenzene	1	0		8.36	17.06	20	20		0.979	0.835	14.68	
1,2,4,5-Tetramethylbenzene	1	0		8.82	16.24	20	20		1.284	1.043	18.78	
1,2-Dibromo-3-Chloropropane	1	0		8.87	16.89	20	20	0.05	0.131	0.111	15.54	
Camphor	1	0		9.31	172.36	200	20		0.058	0.050	13.82	
Hexachlorobutadiene	1	0		9.45	17.00	20	20		0.238	0.202	14.98	
1,2,4-Trichlorobenzene	1	0		9.37	17.22	20	20	0.2	0.525	0.452	13.92	
1,2,3-Trichlorobenzene	1	0		9.67	18.70	20	20		0.443	0.414	6.52	
Naphthalene	1	0		9.53	18.78	20	20		1.329	1.249	6.08	

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

SampleID : CAL @ 20 PPB Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161676.D Sam Mult : 1 Vial# : 8 Qt On : 05/13/22 18:15
Acq On : 05/13/22 18:01 Misc : A,5ML Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.152	96	1199373	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	924553	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.184	152	487837	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.724	111	326318	30.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.73%			
39) 1,2-Dichloroethane-d4	4.949	67	183612	32.00	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.67%			
66) Toluene-d8	6.058	98	1227937	29.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.03%			
76) Bromofluorobenzene	7.518	174	395540	29.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.40%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.673	51	74445m	6.7726	ug/l	
6) Dichlorodifluoromethane	1.660	85	133787m	18.8159	ug/l	
7) Chloromethane	1.827	50	161643	23.9827	ug/l	97
8) Bromomethane	2.206	94	107032m	15.6472	ug/l	
9) Vinyl Chloride	1.920	62	191784	23.0452	ug/l	99
10) Chloroethane	2.290	64	128618	21.2551	ug/l	95
11) Trichlorofluoromethane	2.512	101	305520	19.5151	ug/l	88
12) Ethyl ether	2.737	59	165248	22.3315	ug/l	85
13) Furan	2.775	39	339438	23.4408	ug/l	80
14) 1,1,2-Trichloro-1,2,2-...	2.936	101	165170m	22.1120	ug/l	
15) Methylene Chloride	3.341	84	176719m	21.8954	ug/l	
16) Acrolein	2.849	56	151266	103.4451	ug/l	95
17) Acrylonitrile	3.544	53	78041	25.5512	ug/l	95
18) Iodomethane	3.081	142	144938m	14.2922	ug/l	
19) Acetone	2.968	43	308249	140.3763	ug/l	88
20) Carbon Disulfide	3.152	76	375705	18.5035	ug/l	100
21) t-Butyl Alcohol	3.402	59	93997	118.8000	ug/l	80
22) n-Hexane	3.814	57	177431m	24.0776	ug/l	
23) Di-isopropyl-ether	3.978	45	565407	23.9134	ug/l	82
24) 1,1-Dichloroethene	2.943	61	269222	21.1563	ug/l	94
25) Methyl Acetate	3.242	43	142657m	24.0928	ug/l	
26) Methyl-t-butyl ether	3.576	73	491652	21.2016	ug/l	93
27) 1,1-Dichloroethane	3.939	63	330819	21.7537	ug/l	94
28) trans-1,2-Dichloroethene	3.586	96	178274	20.8006	ug/l	91
29) Ethyl-t-butyl ether	4.277	59	521681	22.2236	ug/l	92
30) cis-1,2-Dichloroethene	4.402	61	327082	22.8124	ug/l	96
31) Bromochloromethane	4.573	49	172297	25.5100	ug/l	79
32) 2,2-Dichloropropane	4.409	77	293048	21.6498	ug/l	95
33) Ethyl acetate	4.434	43	201308	26.6465	ug/l	99
34) 1,4-Dioxane	5.573	88	104476m	1262.8451	ug/l	
35) 1,1-Dichloropropene	4.859	75	226089	20.0451	ug/l	97
36) Chloroform	4.618	83	331450	21.7338	ug/l	96
38) Cyclohexane	4.804	56	224713	21.4966	ug/l	88
40) 1,2-Dichloroethane	4.994	62	254534	19.3764	ug/l	96
41) 2-Butanone	4.402	43	84252	29.8353	ug/l	41
42) 1,1,1-Trichloroethane	4.759	97	283248	19.2647	ug/l	97
43) Carbon Tetrachloride	4.865	117	233306	18.7024	ug/l	93
44) Vinyl Acetate	3.971	43	640711	24.8947	ug/l	100
45) Bromodichloromethane	5.650	83	219061	20.2121	ug/l	96
46) Methylcyclohexane	5.489	83	186007	19.7159	ug/l	90
47) Dibromomethane	5.569	174	115843	20.2743	ug/l	96
48) 1,2-Dichloropropane	5.499	63	178152	22.4968	ug/l	100
49) Trichloroethene	5.367	130	171680	19.1751	ug/l	85
50) Benzene	4.991	78	650019	20.7275	ug/l	100
51) tert-Amyl methyl ether	5.042	73	444158	21.1348	ug/l	96
53) Iso-propylacetate	4.997	43	373964	23.9576	ug/l	91
54) Methyl methacrylate	5.537	41	143968	22.9170	ug/l	83
55) Dibromochloromethane	6.544	129	149643	18.6078	ug/l	95
56) 2-Chloroethylvinylether	5.798	63	20564	17.0962	ug/l	80
57) cis-1,3-Dichloropropene	5.901	75	247682	19.0373	ug/l	98
58) trans-1,3-Dichloropropene	6.200	75	236454	19.5496	ug/l	99
59) Ethyl methacrylate	6.229	41	164928	23.1956	ug/l	76
60) 1,1,2-Trichloroethane	6.312	97	150505	20.3524	ug/l	92
61) 1,2-Dibromoethane	6.621	107	153560	19.6833	ug/l	93
62) 1,3-Dichloropropane	6.409	76	257703	20.0536	ug/l	96
63) 4-Methyl-2-Pentanone	5.971	43	157227	22.2153	ug/l	95
64) 2-Hexanone	6.431	43	111067	23.6472	ug/l	94
65) Tetrachloroethene	6.409	164	141091	19.4096	ug/l	98
67) Toluene	6.097	92	396154	19.1874	ug/l	90

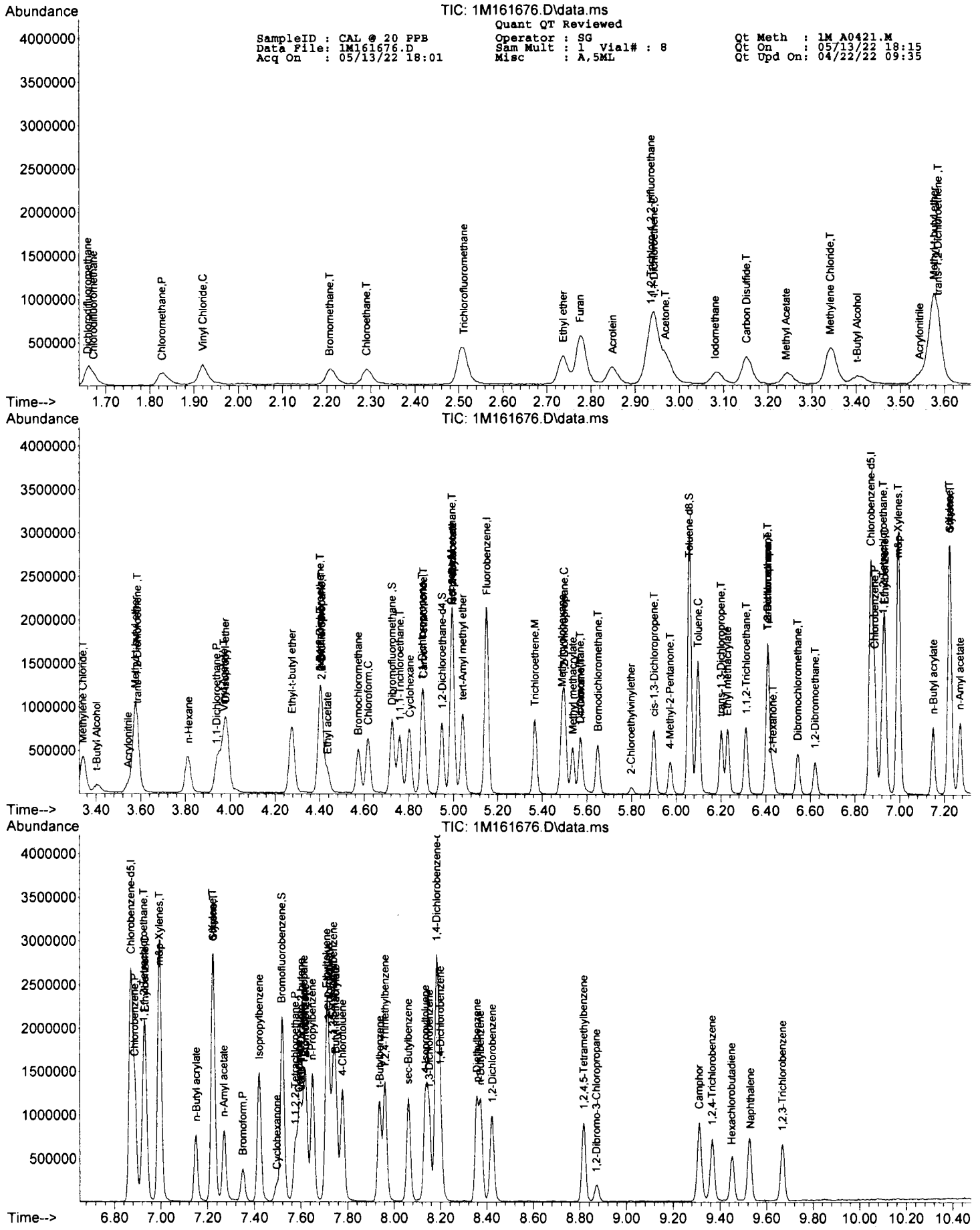
Quantitation Report (QT **Reviewed**)

SampleID : CAL @ 20 PPB Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161676.D Sam Mult : 1 Vial# : 8 Qt On : 05/13/22 18:15
Acq On : 05/13/22 18:01 Misc : A,5ML Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.926	133	148706	19.0643	ug/l	88
69)	Chlorobenzene	6.888	112	442281	19.8124	ug/l	98
71)	n-Butyl acrylate	7.151	55	331632	21.9573	ug/l	90
72)	n-Amyl acetate	7.270	43	303227	23.1735	ug/l	89
73)	Bromoform	7.351	173	106959	18.1522	ug/l	91
74)	Ethylbenzene	6.933	106	194003	16.4431	ug/l	93
75)	1,1,2,2-Tetrachloroethane	7.576	83	193041	18.8938	ug/l	99
77)	Styrene	7.225	104	483457	19.3294	ug/l	97
78)	m&p-Xylenes	6.994	106	565019	37.4483	ug/l	93
79)	o-Xylene	7.222	106	284690	18.2624	ug/l	91
80)	trans-1,4-Dichloro-2-b...	7.602	53	93321	20.5280	ug/l	91
81)	1,3-Dichlorobenzene	8.151	146	307388	18.2628	ug/l	94
82)	1,4-Dichlorobenzene	8.200	146	314615	17.5055	ug/l	97
83)	1,2-Dichlorobenzene	8.425	146	286146	17.6250	ug/l	96
84)	Isopropylbenzene	7.422	105	669000	18.8969	ug/l	99
85)	Cyclohexanone	7.495	55	61444	191.6451	ug/l	96
86)	Camphene	7.592	93	176568	17.9370	ug/l	98
87)	1,2,3-Trichloropropane	7.614	75	254366	19.2227	ug/l	98
88)	2-Chlorotoluene	7.721	91	433089	18.6539	ug/l	96
89)	p-Ethyltoluene	7.711	105	702645	19.9702	ug/l	93
90)	4-Chlorotoluene	7.778	91	425092	17.4937	ug/l	95
91)	n-Propylbenzene	7.650	91	785166	18.7147	ug/l	97
92)	Bromobenzene	7.621	77	426023m	20.3277	ug/l	
93)	1,3,5-Trimethylbenzene	7.740	105	503937	18.4993	ug/l	98
94)	Butyl methacrylate	7.749	41	212471	20.3773	ug/l	61
95)	t-Butylbenzene	7.939	119	445447	17.0691	ug/l	100
96)	1,2,4-Trimethylbenzene	7.962	105	514784	18.5236	ug/l	99
97)	sec-Butylbenzene	8.061	105	572113	18.7401	ug/l	98
98)	4-Isopropyltoluene	8.135	119	452495	17.4044	ug/l	97
99)	n-Butylbenzene	8.373	91	515086	18.4800	ug/l	98
100)	p-Diethylbenzene	8.357	119	271664	17.0640	ug/l	97
101)	1,2,4,5-Tetramethylben...	8.817	119	339107	16.2432	ug/l	98
102)	1,2-Dibromo-3-Chloropr...	8.872	157	36010	16.8911	ug/l	88
103)	Camphor	9.312	95	161299	172.3583	ug/l	98
104)	Hexachlorobutadiene	9.450	225	65826	17.0042	ug/l	98
105)	1,2,4-Trichlorobenzene	9.367	180	147034	17.2170	ug/l	95
106)	1,2,3-Trichlorobenzene	9.669	180	134799	18.6957	ug/l	95
107)	Naphthalene	9.531	128	406056	18.7837	ug/l	97

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


Abundance
TIC: 1M161676.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 1M161676.D
Acq On : 05/13/22 18:01
Operator : SG
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 05/13/22 18:15
Qt Upd On: 04/22/22 09:35
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 1M161676.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
n-Butyl acrylate
n-Amyl acetate
Time-->

Abundance
TIC: 1M161676.D\data.ms
Chlorobenzene-d5,I
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M161723.D **Instrument:** GCMS 1

Cont Calibration Date/Time 5/16/2022 2:24:00 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	5.15	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.67	11.56	20	20	0.1	0.218	0.159	42.20	C1
Dichlorodifluoromethane	1	0		1.66	20.26	20	20	0.1	0.137	0.180	1.32	
Chloromethane	1	0		1.83	22.62	20	20	0.1	0.169	0.191	13.12	
Bromomethane	1	0		2.21	12.86	20	20	0.1	0.171	0.110	35.68	C1
Vinyl Chloride	1	0		1.92	23.13	20	20	0.1	0.208	0.241	15.63	
Chloroethane	1	0		2.29	22.40	20	20	0.1	0.151	0.169	11.98	
Trichlorofluoromethane	1	0		2.51	19.01	20	20	0.1	0.392	0.372	4.97	
Ethyl ether	1	0		2.74	21.39	20	20	0.5	0.185	0.198	6.96	
Furan	1	0		2.78	22.32	20	20	0.5	0.362	0.404	11.61	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.93	20.40	20	20	0.1	0.187	0.191	2.02	
Methylene Chloride	1	0		3.34	20.97	20	20	0.1	0.202	0.212	4.83	
Acrolein	1	0		2.85	33.13	100	20		0.037	0.012	66.87	C1
Acrylonitrile	1	0		3.54	25.57	20	20		0.076	0.098	27.84	C1
Iodomethane	1	0		3.08	9.94	20	20		0.220	0.126	50.31	C1
Acetone	1	0		2.97	122.85	100	20	0.1	0.055	0.067	22.85	C1
Carbon Disulfide	1	0		3.15	18.38	20	20	0.1	0.508	0.467	8.08	
t-Butyl Alcohol	1	0		3.41	119.23	100	20		0.020	0.024	19.23	
n-Hexane	1	0		3.81	17.05	20	20		0.184	0.157	14.75	
Di-isopropyl-ether	1	0		3.98	23.08	20	20		0.591	0.682	15.39	
1,1-Dichloroethene	1	0		2.94	20.50	20	20	0.1	0.318	0.326	2.49	
Methyl Acetate	1	0		3.25	20.80	20	20	0.1	0.148	0.154	3.98	
Methyl-t-butyl ether	1	0		3.58	21.35	20	20	0.1	0.635	0.619	6.75	
1,1-Dichloroethane	1	0		3.94	20.97	20	20	0.2	0.380	0.399	4.87	
trans-1,2-Dichloroethene	1	0		3.58	20.75	20	20	0.1	0.214	0.222	3.77	
Ethyl-t-butyl ether	1	0		4.28	21.93	20	20	0.5	0.587	0.644	9.65	
cis-1,2-Dichloroethene	1	0		4.40	18.93	20	20	0.1	0.359	0.339	5.34	
Bromochloromethane	1	0		4.57	25.43	20	20		0.169	0.215	27.13	C1
2,2-Dichloropropane	1	0		4.40	3.43	20	20		0.339	0.058	82.84	C1
Ethyl acetate	1	0		4.43	21.30	20	20		0.189	0.201	6.52	
1,4-Dioxane	1	0		5.57	1177.31	1000	20		0.002	0.002	17.73	
1,1-Dichloropropene	1	0		4.86	21.15	20	20		0.282	0.298	5.75	
Chloroform	1	0		4.62	21.24	20	20	0.2	0.381	0.405	6.22	
Dibromofluoromethane	1	0	S	4.72	32.90	30	**		0.267	0.293	9.66	
Cyclohexane	1	0		4.80	23.04	20	20	0.1	0.261	0.301	15.19	
1,2-Dichloroethane-d4	1	0	S	4.95	30.88	30	**		0.144	0.148	2.93	
1,2-Dichloroethane	1	0		4.99	19.49	20	20	0.1	0.329	0.320	2.55	
2-Butanone	1	0		4.40	21.86	20	20	0.1	0.078	0.077	9.32	
1,1,1-Trichloroethane	1	0		4.76	19.87	20	20	0.1	0.368	0.365	0.66	
Carbon Tetrachloride	1	0		4.87	19.48	20	20	0.1	0.312	0.304	2.61	
Vinyl Acetate	1	0		3.98	11.96	20	20		0.644	0.385	40.20	C1
Bromodichloromethane	1	0		5.65	20.20	20	20	0.2	0.271	0.274	1.02	
Methylcyclohexane	1	0		5.49	18.41	20	20	0.1	0.236	0.217	7.97	
Dibromomethane	1	0		5.57	20.06	20	20		0.143	0.143	0.32	
1,2-Dichloropropane	1	0		5.50	21.31	20	20	0.1	0.198	0.211	6.56	
Trichloroethene	1	0		5.37	25.29	20	20	0.2	0.224	0.283	26.47	C1
Benzene	1	0		4.99	20.00	20	20	0.5	0.784	0.785	0.02	
tert-Amyl methyl ether	1	0		5.04	20.52	20	20		0.526	0.539	2.59	
Chlorobenzene-d5	1	0	I	6.87	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		5.00	21.21	20	20	0.5	0.507	0.537	6.05	
Methyl methacrylate	1	0		5.53	21.12	20	20	0.5	0.204	0.215	5.59	
Dibromochloromethane	1	0		6.54	17.61	20	20	0.1	0.261	0.230	11.95	

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:** 1M161723.D **Instrument:** GCMS 1

Cont Calibration Date/Time 5/16/2022 2:24:00 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		5.80	16.23	20	20		0.039	0.032	18.84	
cis-1,3-Dichloropropene	1	0		5.90	13.29	20	20	0.2	0.422	0.281	33.53	C1
trans-1,3-Dichloropropene	1	0		6.20	13.09	20	20	0.1	0.392	0.257	34.54	C1
Ethyl methacrylate	1	0		6.23	18.88	20	20	0.5	0.231	0.218	5.58	
1,1,2-Trichloroethane	1	0		6.31	18.42	20	20	0.1	0.240	0.221	7.89	
1,2-Dibromoethane	1	0		6.62	18.43	20	20	0.1	0.253	0.233	7.87	
1,3-Dichloropropane	1	0		6.41	19.00	20	20		0.417	0.396	4.98	
4-Methyl-2-Pentanone	1	0		5.97	19.91	20	20	0.1	0.230	0.229	0.44	
2-Hexanone	1	0		6.43	21.01	20	20	0.1	0.152	0.160	5.05	
Tetrachloroethene	1	0		6.41	17.43	20	20	0.2	0.236	0.206	12.86	
Toluene-d8	1	0	S	6.06	28.55	30	**		1.341	1.277	4.83	
Toluene	1	0		6.10	18.40	20	20	0.4	0.670	0.616	8.02	
1,1,1,2-Tetrachloroethane	1	0		6.92	17.99	20	20		0.253	0.228	10.03	
Chlorobenzene	1	0		6.89	18.75	20	20	0.5	0.724	0.679	6.26	
1,4-Dichlorobenzene-d4	1	0	I	8.18	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.15	18.03	20	20	0.5	0.929	0.837	9.85	
n-Amyl acetate	1	0		7.27	18.38	20	20	0.5	0.805	0.740	8.09	
Bromoform	1	0		7.35	16.95	20	20	0.1	0.362	0.307	15.25	
Ethylbenzene	1	0		6.94	16.42	20	20	0.1	0.726	0.596	17.91	
1,1,2,2-Tetrachloroethane	1	0		7.57	10.46	20	20	0.1	0.628	0.329	47.70	C1
Bromofluorobenzene	1	0	S	7.52	30.34	30	**		0.824	0.833	1.13	
Styrene	1	0		7.23	18.33	20	20	0.3	1.538	1.410	8.33	
m&p-Xylenes	1	0		6.99	36.00	40	20	0.1	0.928	0.835	10.01	
o-Xylene	1	0		7.22	17.47	20	20	0.3	0.959	0.838	12.64	
trans-1,4-Dichloro-2-butene	1	0		7.60	13.91	20	20		0.280	0.194	30.44	C1
1,3-Dichlorobenzene	1	0		8.15	16.79	20	20	0.6	1.035	0.869	16.04	
1,4-Dichlorobenzene	1	0		8.20	16.10	20	20	0.5	1.105	0.890	19.49	
1,2-Dichlorobenzene	1	0		8.42	16.77	20	20	0.4	0.998	0.837	16.14	
Isopropylbenzene	1	0		7.42	18.04	20	20	0.1	2.177	1.964	9.79	
Cyclohexanone	1	0		7.50	114.22	100	20		0.023	0.022	14.22	
Camphene	1	0		7.60	16.88	20	20		0.605	0.511	15.60	
1,2,3-Trichloropropane	1	0		7.61	16.38	20	20		0.814	0.666	18.11	
2-Chlorotoluene	1	0		7.72	17.66	20	20		1.428	1.260	11.72	
p-Ethyltoluene	1	0		7.71	18.57	20	20		2.164	2.009	7.14	
4-Chlorotoluene	1	0		7.78	16.03	20	20		1.494	1.198	19.85	
n-Propylbenzene	1	0		7.65	17.35	20	20		2.580	2.239	13.23	
Bromobenzene	1	0		7.62	17.59	20	20		1.289	1.134	12.04	
1,3,5-Trimethylbenzene	1	0		7.74	17.76	20	20		1.675	1.487	11.21	
Butyl methacrylate	1	0		7.75	17.91	20	20	0.5	0.641	0.574	10.45	
t-Butylbenzene	1	0		7.94	17.07	20	20		1.605	1.370	14.64	
1,2,4-Trimethylbenzene	1	0		7.96	17.98	20	20		1.709	1.536	10.10	
sec-Butylbenzene	1	0		8.06	17.76	20	20		1.877	1.667	11.22	
4-Isopropyltoluene	1	0		8.14	16.72	20	20		1.599	1.337	16.39	
n-Butylbenzene	1	0		8.37	16.84	20	20		1.714	1.443	15.82	
p-Diethylbenzene	1	0		8.36	16.20	20	20		0.979	0.793	18.98	
1,2,4,5-Tetramethylbenzene	1	0		8.82	15.83	20	20		1.284	1.016	20.84	C1
1,2-Dibromo-3-Chloropropane	1	0		8.87	15.44	20	20	0.05	0.131	0.101	22.78	C1
Camphor	1	0		9.31	157.92	200	20		0.058	0.045	21.04	C1
Hexachlorobutadiene	1	0		9.45	15.42	20	20		0.238	0.184	22.88	C1
1,2,4-Trichlorobenzene	1	0		9.37	17.39	20	20	0.2	0.525	0.457	13.07	
1,2,3-Trichlorobenzene	1	0		9.67	18.23	20	20		0.443	0.404	8.83	
Naphthalene	1	0		9.53	17.81	20	20		1.329	1.184	10.97	

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

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : jm Qt Meth : 1M_A0421.M
Data File: 1M161723.D Sam Mult : 1 Vial# : 10 Qt On : 05/16/22 14:40
Acq On : 05/16/22 14:24 Misc : A,5ML Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.148	96	1192006	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	964629	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.183	152	493878	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.724	111	349543	32.90	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.67%			
39) 1,2-Dichloroethane-d4	4.949	67	176066	30.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.93%			
66) Toluene-d8	6.058	98	1231427	28.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.17%			
76) Bromofluorobenzene	7.521	174	411600	30.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.13%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.672	51	126266m	11.5598	ug/l	
6) Dichlorodifluoromethane	1.660	85	143173	20.2633	ug/l	90
7) Chloromethane	1.827	50	151545	22.6235	ug/l	97
8) Bromomethane	2.209	94	87451m	12.8637	ug/l	
9) Vinyl Chloride	1.920	62	191267	23.1252	ug/l	93
10) Chloroethane	2.293	64	134692	22.3965	ug/l	93
11) Trichlorofluoromethane	2.508	101	295714	19.0055	ug/l	98
12) Ethyl ether	2.737	59	157324	21.3920	ug/l	87
13) Furan	2.775	39	321245	22.3215	ug/l	83
14) 1,1,2-Trichloro-1,2,2-...	2.933	101	151470m	20.4032	ug/l	
15) Methylene Chloride	3.341	84	168180	20.9662	ug/l	80
16) Acrolein	2.849	56	48142m	33.1260	ug/l	
17) Acrylonitrile	3.544	53	77611	25.5675	ug/l	91
18) Iodomethane	3.081	142	100056m	9.9374	ug/l	
19) Acetone	2.971	43	268116	122.8544	ug/l	83
20) Carbon Disulfide	3.152	76	370986	18.3840	ug/l	100
21) t-Butyl Alcohol	3.409	59	93758	119.2303	ug/l	79
22) n-Hexane	3.811	57	124879	17.0509	ug/l	95
23) Di-isopropyl-ether	3.981	45	542282	23.0771	ug/l	84
24) 1,1-Dichloroethene	2.943	61	259237	20.4976	ug/l	97
25) Methyl Acetate	3.248	43	122380	20.7960	ug/l	100
26) Methyl-t-butyl ether	3.576	73	492076	21.3510	ug/l	93
27) 1,1-Dichloroethane	3.939	63	317001	20.9739	ug/l	88
28) trans-1,2-Dichloroethene	3.576	96	176775	20.7532	ug/l	96
29) Ethyl-t-butyl ether	4.277	59	511623	21.9298	ug/l	92
30) cis-1,2-Dichloroethene	4.402	61	269772	18.9316	ug/l	96
31) Bromochloromethane	4.569	49	170676	25.4262	ug/l	79
32) 2,2-Dichloropropane	4.402	77	46158	3.4311	ug/l	81
33) Ethyl acetate	4.434	43	159952	21.3032	ug/l	97
34) 1,4-Dioxane	5.573	88	96801	1177.3056	ug/l	87
35) 1,1-Dichloropropene	4.856	75	237095	21.1508	ug/l	96
36) Chloroform	4.618	83	321983	21.2435	ug/l	99
38) Cyclohexane	4.801	56	239355	23.0388	ug/l	86
40) 1,2-Dichloroethane	4.994	62	254442	19.4891	ug/l	95
41) 2-Butanone	4.402	43	61113m	21.8642	ug/l	
42) 1,1,1-Trichloroethane	4.759	97	290317	19.8675	ug/l	97
43) Carbon Tetrachloride	4.865	117	241487	19.4779	ug/l	100
44) Vinyl Acetate	3.981	43	305919	11.9599	ug/l	100
45) Bromodichloromethane	5.647	83	217629	20.2041	ug/l	92
46) Methylcyclohexane	5.489	83	172576	18.4053	ug/l	94
47) Dibromomethane	5.573	174	113941	20.0647	ug/l	89
48) 1,2-Dichloropropane	5.502	63	167737	21.3125	ug/l	93
49) Trichloroethene	5.367	130	225078	25.2946	ug/l	94
50) Benzene	4.991	78	623462	20.0035	ug/l	100
51) tert-Amyl methyl ether	5.042	73	428552	20.5183	ug/l	95
53) Iso-propylacetate	4.997	43	345419	21.2096	ug/l	92
54) Methyl methacrylate	5.534	41	138423	21.1189	ug/l	85
55) Dibromochloromethane	6.544	129	147757	17.6099	ug/l	90
56) 2-Chloroethylvinylether	5.801	63	20372m	16.2329	ug/l	
57) cis-1,3-Dichloropropene	5.901	75	180467	13.2947	ug/l	100
58) trans-1,3-Dichloropropene	6.200	75	165222	13.0928	ug/l	100
59) Ethyl methacrylate	6.229	41	140093	18.8842	ug/l	77
60) 1,1,2-Trichloroethane	6.309	97	142132	18.4217	ug/l	92
61) 1,2-Dibromoethane	6.624	107	149982	18.4259	ug/l	94
62) 1,3-Dichloropropane	6.409	76	254811	19.0048	ug/l	98
63) 4-Methyl-2-Pentanone	5.975	43	147030	19.9115	ug/l	93
64) 2-Hexanone	6.431	43	102955	21.0094	ug/l	97
65) Tetrachloroethene	6.412	164	132184	17.4288	ug/l	98
67) Toluene	6.100	92	396280	18.3961	ug/l	94

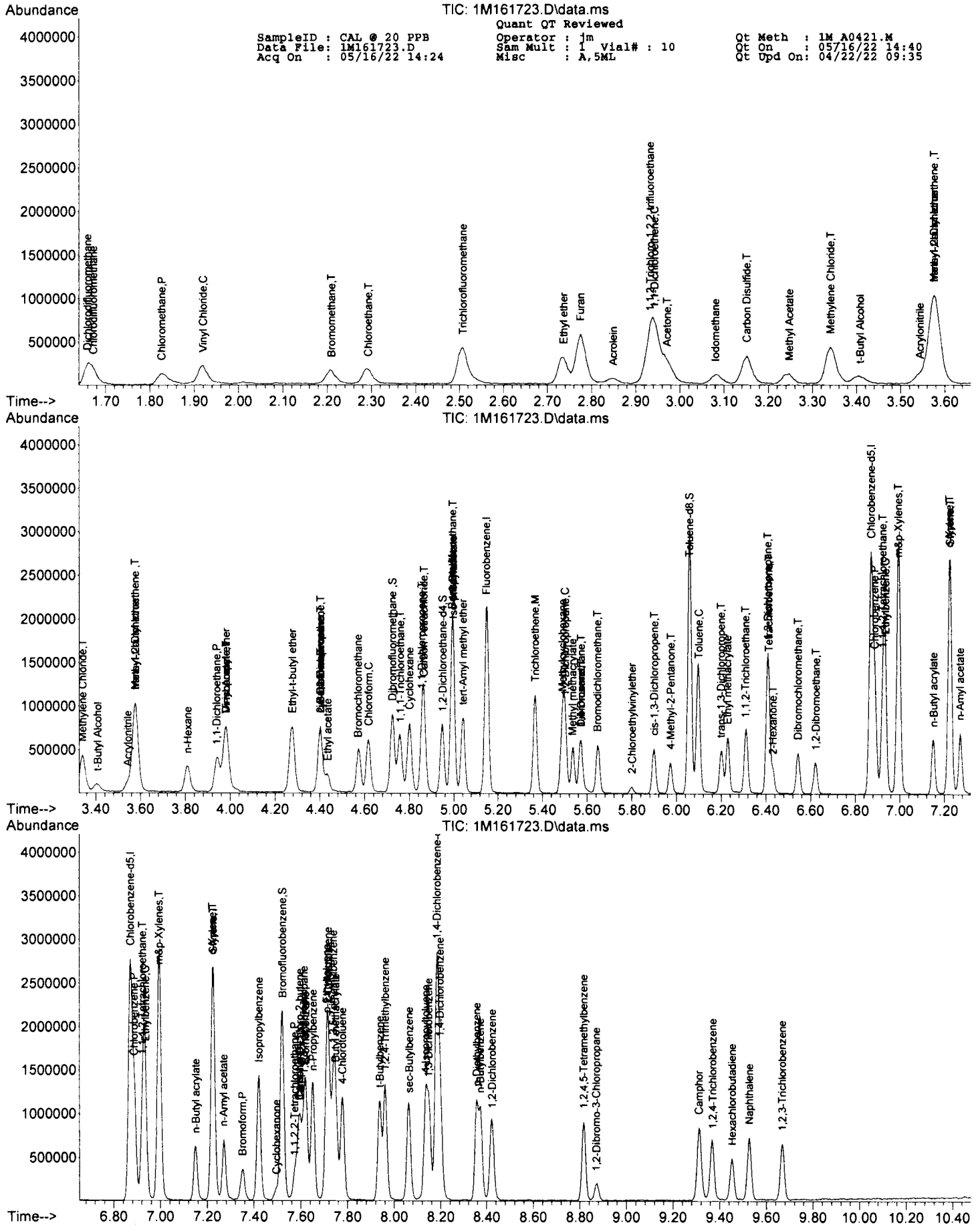
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : jm Qt Meth : 1M_A0421.M
Data File: 1M161723.D Sam Mult : 1 Vial# : 10 Qt On : 05/16/22 14:40
Acq On : 05/16/22 14:24 Misc : A,5ML Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.923	133	146447	17.9947	ug/l	99
69)	Chlorobenzene	6.888	112	436665	18.7482	ug/l	96
71)	n-Butyl acrylate	7.151	55	275682	18.0296	ug/l	91
72)	n-Amyl acetate	7.270	43	243503	18.3816	ug/l	89
73)	Bromoform	7.351	173	101118	16.9510	ug/l	97
74)	Ethylbenzene	6.936	106	196096	16.4172	ug/l	93
75)	1,1,2,2-Tetrachloroethane	7.573	83	108201	10.4606	ug/l	93
77)	Styrene	7.225	104	464234	18.3338	ug/l	97
78)	m&p-Xylenes	6.994	106	549858	35.9977	ug/l	99
79)	o-Xylene	7.222	106	275750	17.4725	ug/l	94
80)	trans-1,4-Dichloro-2-b...	7.595	53	64024	13.9112	ug/l	76
81)	1,3-Dichlorobenzene	8.148	146	286126	16.7916	ug/l	97
82)	1,4-Dichlorobenzene	8.196	146	292974	16.1020	ug/l	97
83)	1,2-Dichlorobenzene	8.425	146	275684	16.7729	ug/l	95
84)	Isopropylbenzene	7.421	105	646631	18.0416	ug/l	98
85)	Cyclohexanone	7.495	55	36945	114.2244	ug/l	94
86)	Camphene	7.595	93	168228	16.8807	ug/l	96
87)	1,2,3-Trichloropropane	7.614	75	219409m	16.3782	ug/l	
88)	2-Chlorotoluene	7.717	91	414976	17.6551	ug/l	93
89)	p-Ethyltoluene	7.711	105	661560	18.5725	ug/l	96
90)	4-Chlorotoluene	7.778	91	394352	16.0302	ug/l	95
91)	n-Propylbenzene	7.653	91	737133	17.3549	ug/l	96
92)	Bromobenzene	7.621	77	373267	17.5926	ug/l	82
93)	1,3,5-Trimethylbenzene	7.740	105	489759	17.7589	ug/l	97
94)	Butyl methacrylate	7.749	41	189053	17.9096	ug/l	63
95)	t-Butylbenzene	7.939	119	451021	17.0713	ug/l	97
96)	1,2,4-Trimethylbenzene	7.962	105	505889	17.9809	ug/l	98
97)	sec-Butylbenzene	8.065	105	548803	17.7567	ug/l	99
98)	4-Isopropyltoluene	8.135	119	440158	16.7228	ug/l	99
99)	n-Butylbenzene	8.373	91	475047	16.8351	ug/l	85
100)	p-Diethylbenzene	8.357	119	261155m	16.2033	ug/l	
101)	1,2,4,5-Tetramethylben...	8.817	119	334598	15.8311	ug/l	97
102)	1,2-Dibromo-3-Chloropr...	8.872	157	33334	15.4446	ug/l	98
103)	Camphor	9.312	95	149618	157.9209	ug/l	99
104)	Hexachlorobutadiene	9.454	225	60451	15.4247	ug/l	99
105)	1,2,4-Trichlorobenzene	9.370	180	150317	17.3861	ug/l	98
106)	1,2,3-Trichlorobenzene	9.669	180	133092	18.2332	ug/l	97
107)	Naphthalene	9.527	128	389697	17.8064	ug/l	97

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


TIC: 1M161723.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 1M161723.D
Acq On : 05/16/22 14:24
Operator : jm
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 05/16/22 14:40
Qt Upd On: 04/22/22 09:35
Abundance
Time-->

GC/MS Volatile Data
Raw QC Data

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M160725.D
Analysis Date: 04/21/22 16:24
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.515 to 7.544 min

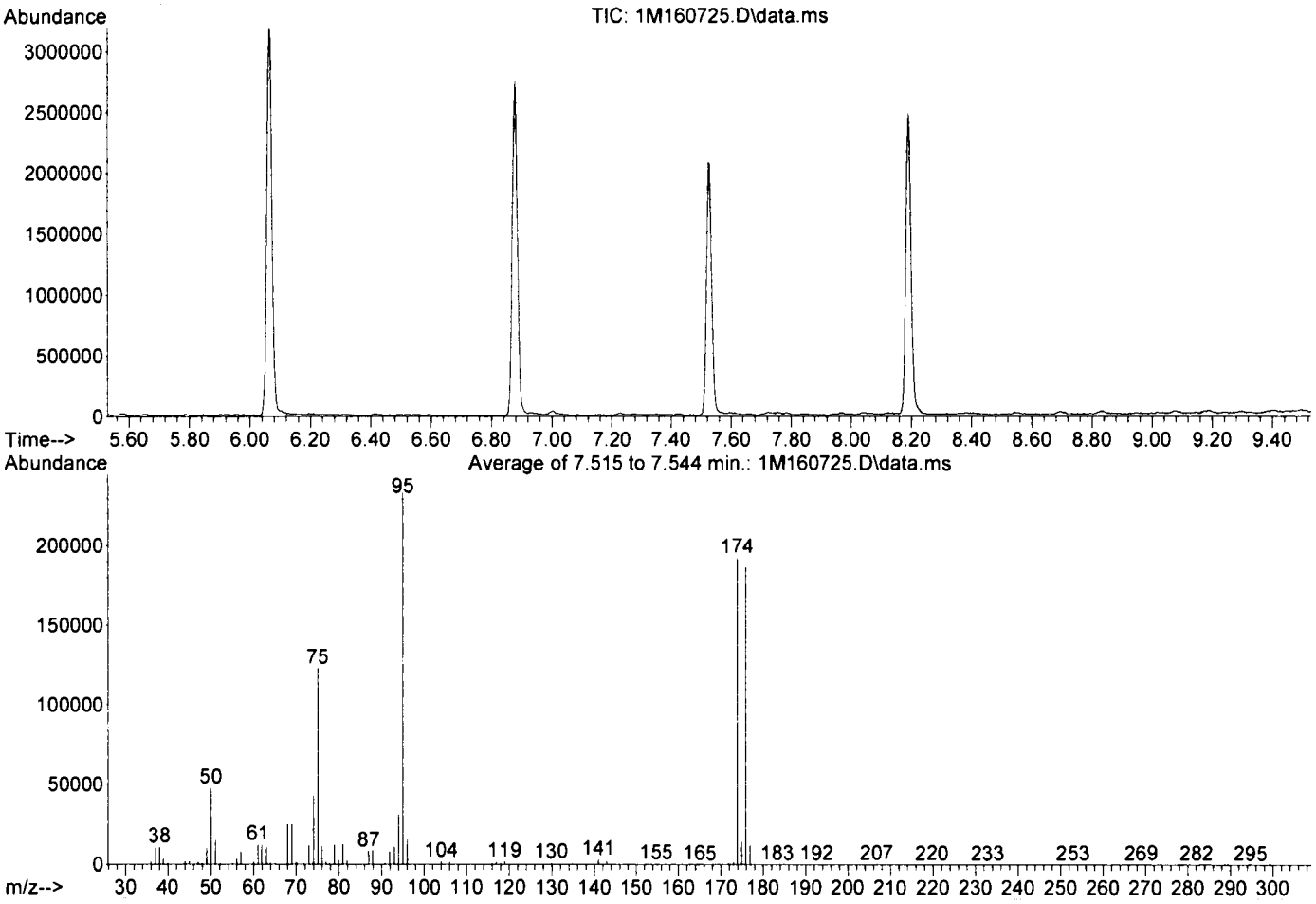
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.5	47634	PASS
75	95	30	60	52.9	123226	PASS
95	95	100	100	100.0	232903	PASS
96	95	5	9	6.8	15947	PASS
173	174	0.00	2	0.9	1800	PASS
174	95	50	100	82.7	192578	PASS
175	174	5	9	7.4	14181	PASS
176	174	95	101	96.9	186666	PASS
177	176	5	9	6.4	11957	PASS

Data File	Sample Number	Analysis Date:
1M160726.D	CAL @ 0.5 PPB	04/21/22 16:45
1M160727.D	CAL @ 1 PPB	04/21/22 17:06
1M160728.D	CAL @ 5 PPB	04/21/22 17:27
1M160729.D	CAL @ 10 PPB	04/21/22 17:48
1M160730.D	CAL @ 20 PPB	04/21/22 18:09
1M160731.D	CAL @ 50 PPB	04/21/22 18:29
1M160732.D	CAL @ 500 PPB	04/21/22 18:50
1M160734.D	CAL @ 250 PPB	04/21/22 19:32
1M160736.D	CAL @ 100 PPB	04/21/22 20:14
1M160741.D	ICV	04/21/22 21:58

Data Path : G:\GcMsData\2022\GCMS_1\Data\04-21-22\
Data File : 1M160725.D
Acq On : 21 Apr 2022 16:24
Operator : JM
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0317.M
Title : @GCMS_1,ug,624,8260
Last Update : Thu Mar 17 18:06:57 2022



Spectrum Information: Average of 7.515 to 7.544 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.5	47634	PASS
75	95	30	60	52.9	123226	PASS
95	95	100	100	100.0	232903	PASS
96	95	5	9	6.8	15947	PASS
173	174	0.00	2	0.9	1800	PASS
174	95	50	100	82.7	192578	PASS
175	174	5	9	7.4	14181	PASS
176	174	95	101	96.9	186666	PASS
177	176	5	9	6.4	11957	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M161535.D
Analysis Date: 05/11/22 12:54
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.515 to 7.515 min

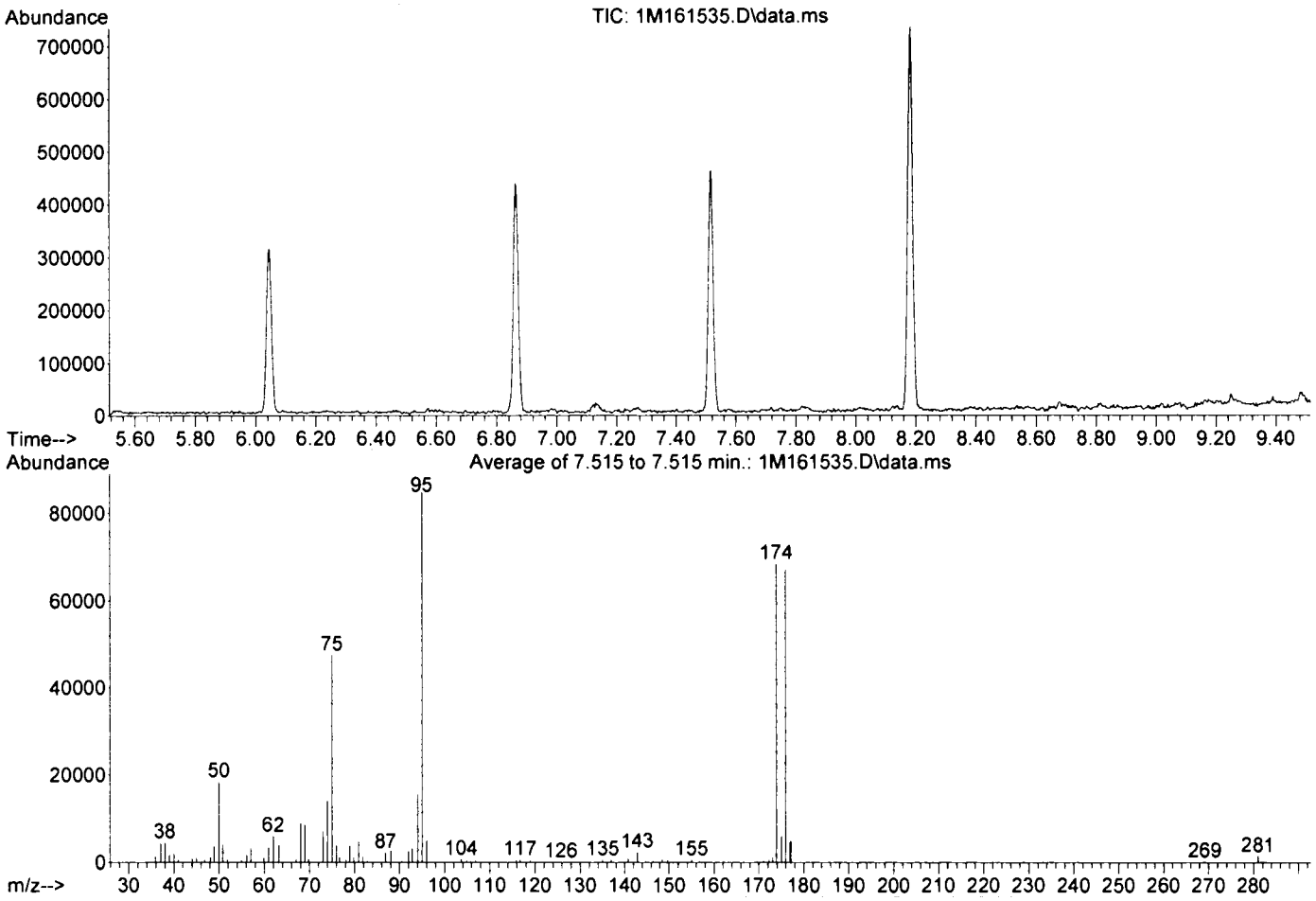
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	21.8	18480	PASS
75	95	30	60	56.1	47648	PASS
95	95	100	100	100.0	84912	PASS
96	95	5	9	6.0	5104	PASS
173	174	0.00	2	1.9	1317	PASS
174	95	50	100	80.7	68520	PASS
175	174	5	9	8.9	6098	PASS
176	174	95	101	98.1	67208	PASS
177	176	5	9	7.5	5037	PASS

Data File	Sample Number	Analysis Date:
1M161538.D	CAL @ 20PPB	05/11/22 13:46
1M161540.D	BLK	05/11/22 14:24
1M161541.D	HCL	05/11/22 14:42
1M161542.D	DAILY BLANK	05/11/22 15:01
1M161543.D	DAILY BLANK	05/11/22 15:20
1M161544.D	AD30683-012	05/11/22 15:39
1M161545.D	AD30683-002	05/11/22 15:58
1M161546.D	MBS101555	05/11/22 16:17
1M161547.D	30679-003	05/11/22 16:35
1M161548.D	AD30682-026	05/11/22 16:54
1M161549.D	AD30682-025	05/11/22 17:13
1M161550.D	AD30682-013	05/11/22 17:31
1M161551.D	MBS101556	05/11/22 17:50
1M161552.D	AD30683-010(MS:	05/11/22 18:09
1M161553.D	AD30683-011(MSD	05/11/22 18:28
1M161554.D	BLK	05/11/22 18:47
1M161555.D	BLK	05/11/22 19:06
1M161556.D	AD30683-013	05/11/22 19:24
1M161557.D	AD30682-029	05/11/22 19:43
1M161558.D	AD30682-030	05/11/22 20:02
1M161559.D	AD30679-017	05/11/22 20:21
1M161560.D	AD30667-003	05/11/22 20:39
1M161561.D	AD30667-013	05/11/22 20:58
1M161562.D	AD30683-013	05/11/22 21:17
1M161563.D	AD30682-029	05/11/22 21:36
1M161564.D	AD30682-030	05/11/22 21:54
1M161565.D	AD30683-003	05/11/22 22:13
1M161566.D	AD30683-005	05/11/22 22:32
1M161567.D	AD30683-008	05/11/22 22:51
1M161568.D	AD30683-001	05/11/22 23:10
1M161569.D	AD30683-004	05/11/22 23:28
1M161570.D	AD30683-006	05/11/22 23:47
1M161571.D	AD30683-007	05/12/22 00:06
1M161572.D	AD30683-009	05/12/22 00:24
1M161573.D	AD30679-017	05/12/22 00:43
1M161574.D	BLK	05/12/22 01:02

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-11-22\
Data File : 1M161535.D
Acq On : 11 May 2022 12:54
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Title : @GCMS_1,ug,624,8260
Last Update : Fri Apr 22 09:16:07 2022



Spectrum Information: Average of 7.515 to 7.515 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	18480	PASS
75	95	30	60	56.1	47648	PASS
95	95	100	100	100.0	84912	PASS
96	95	5	9	6.0	5104	PASS
173	174	0.00	2	1.9	1317	PASS
174	95	50	100	80.7	68520	PASS
175	174	5	9	8.9	6098	PASS
176	174	95	101	98.1	67208	PASS
177	176	5	9	7.5	5037	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M161671.D
Analysis Date: 05/13/22 16:33
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.502 to 7.515 min

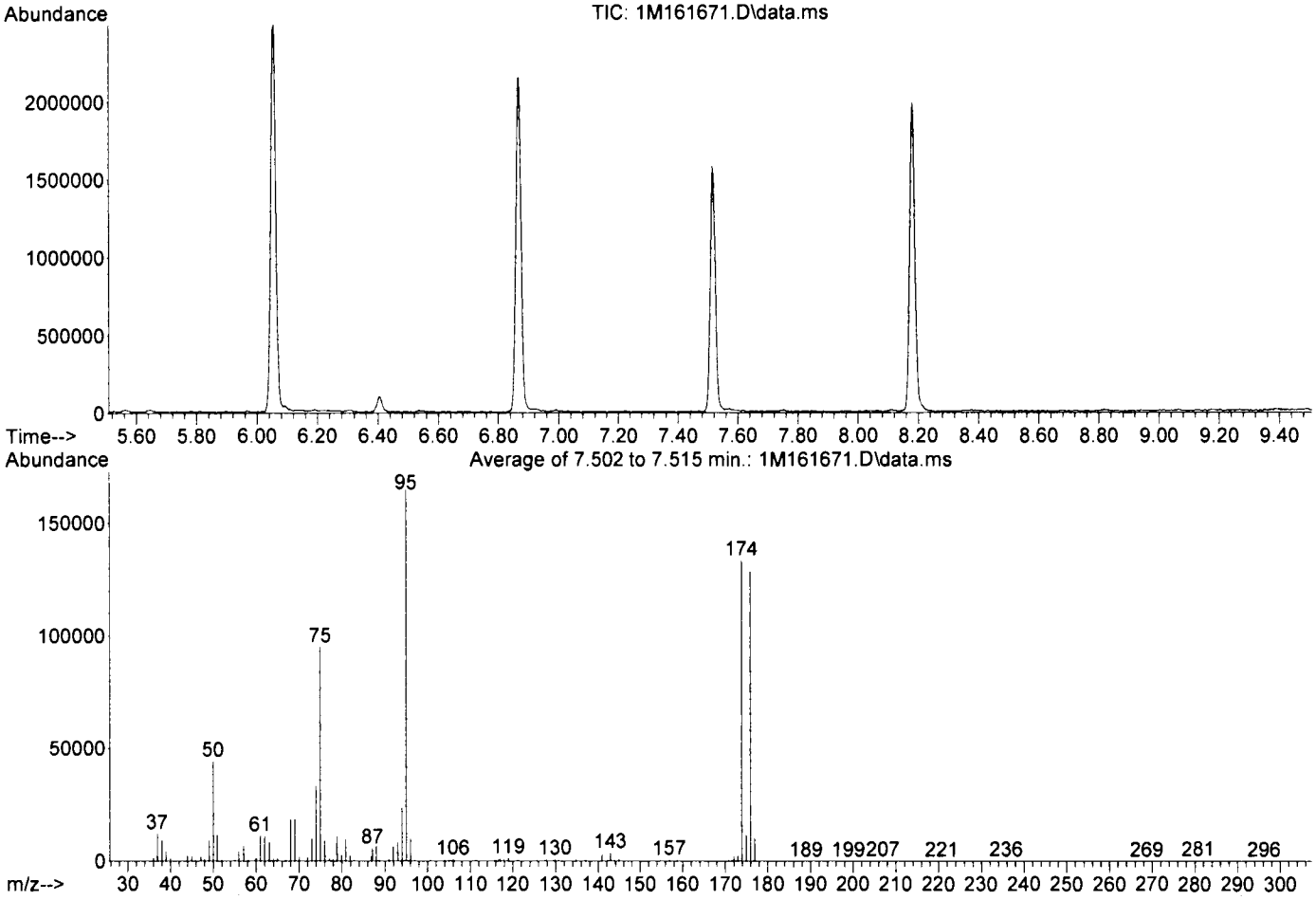
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	26.9	44368	PASS
75	95	30	60	57.7	95227	PASS
95	95	100	100	100.0	164962	PASS
96	95	5	9	6.1	10023	PASS
173	174	0.00	2	1.9	2492	PASS
174	95	50	100	81.0	133602	PASS
175	174	5	9	8.7	11678	PASS
176	174	95	101	96.4	128762	PASS
177	176	5	9	8.0	10282	PASS

Data File	Sample Number	Analysis Date:
1M161672.D	STD	05/13/22 16:52
1M161675.D	STD	05/13/22 17:42
1M161676.D	CAL @ 20 PPB	05/13/22 18:01
1M161677.D	BLK	05/13/22 18:19
1M161678.D	DI	05/13/22 18:38
1M161679.D	DAILY BLANK	05/13/22 18:57
1M161680.D	DAILY BLANK	05/13/22 19:16
1M161681.D	AD30710-002	05/13/22 19:35
1M161682.D	AD30710-003	05/13/22 19:54
1M161683.D	AD30732-001	05/13/22 20:12
1M161684.D	AD30732-002	05/13/22 20:31
1M161685.D	AD30721-002	05/13/22 20:50
1M161686.D	MBS101578	05/13/22 21:09
1M161687.D	AD30683-007(MS)	05/13/22 21:27
1M161688.D	AD30683-007(MSD	05/13/22 21:46
1M161689.D	BLK	05/13/22 22:05
1M161690.D	BLK	05/13/22 22:24
1M161691.D	AD30721-001	05/13/22 22:43
1M161692.D	AD30721-003	05/13/22 23:02
1M161693.D	AD30721-004	05/13/22 23:20
1M161694.D	AD30722-009	05/13/22 23:39
1M161695.D	AD30722-010	05/13/22 23:58
1M161696.D	AD30722-011	05/14/22 00:17
1M161697.D	AD30709-005	05/14/22 00:35
1M161698.D	AD30709-006	05/14/22 00:54
1M161699.D	AD30709-007	05/14/22 01:13
1M161700.D	AD30709-008	05/14/22 01:32
1M161701.D	AD30710-001	05/14/22 01:51
1M161702.D	AD30701-001	05/14/22 02:09
1M161703.D	AD30698-011	05/14/22 02:28
1M161704.D	AD30698-009	05/14/22 02:47
1M161705.D	AD30698-010	05/14/22 03:06
1M161706.D	BLK	05/14/22 03:24

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Data File : 1M161671.D
Acq On : 13 May 2022 16:33
Operator : SG
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 3 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Title : @GCMS_1,ug,624,8260
Last Update : Fri Apr 22 09:16:07 2022



Spectrum Information: Average of 7.502 to 7.515 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	26.9	44368	PASS
75	95	30	60	57.7	95227	PASS
95	95	100	100	100.0	164962	PASS
96	95	5	9	6.1	10023	PASS
173	174	0.00	2	1.9	2492	PASS
174	95	50	100	81.0	133602	PASS
175	174	5	9	8.7	11678	PASS
176	174	95	101	96.4	128762	PASS
177	176	5	9	8.0	10282	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M161720.D
Analysis Date: 05/16/22 13:32
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.508 to 7.508 min

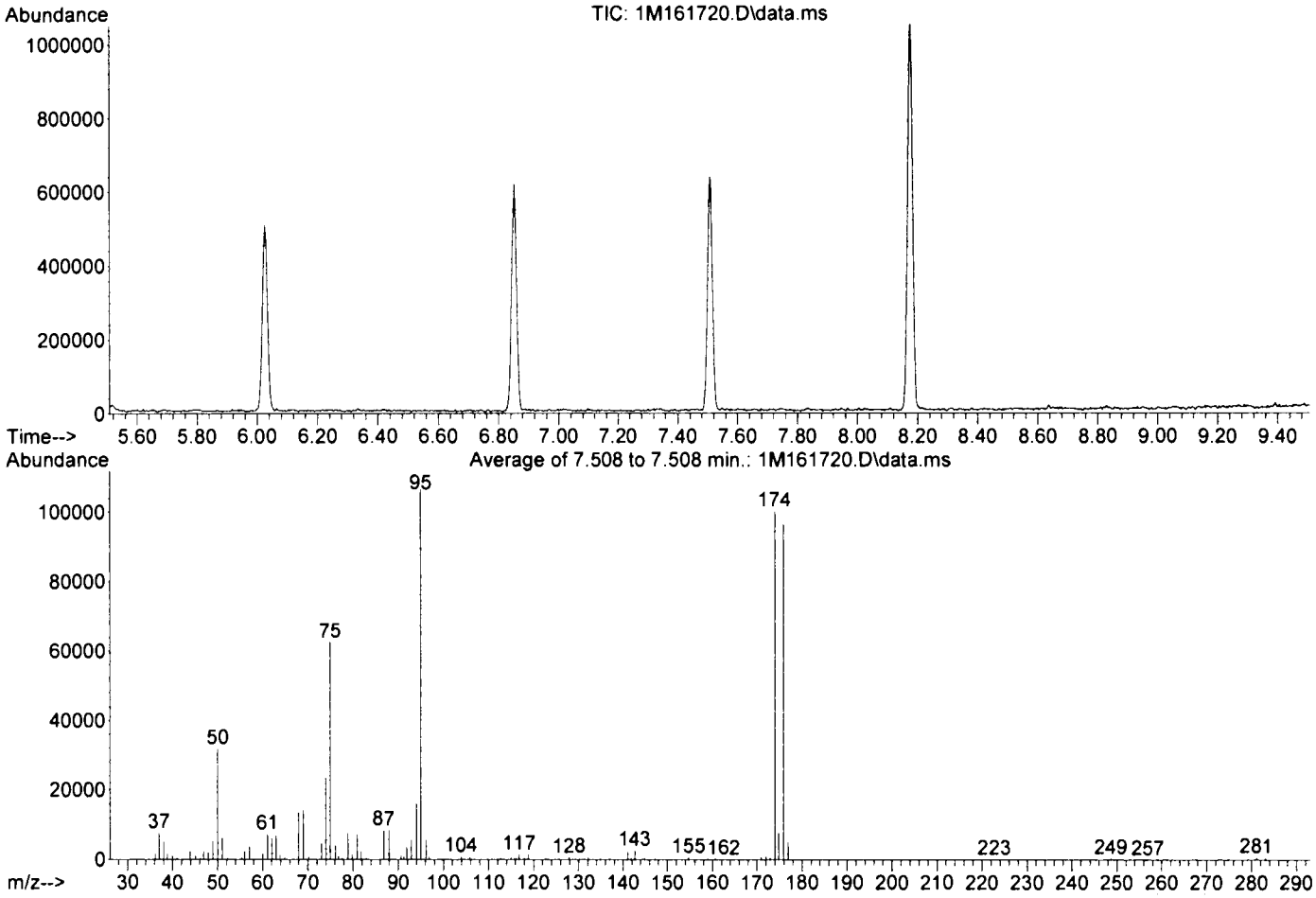
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	29.9	31872	PASS
75	95	30	60	58.9	62680	PASS
95	95	100	100	100.0	106440	PASS
96	95	5	9	5.3	5669	PASS
173	174	0.00	2	0.7	672	PASS
174	95	50	100	94.1	100168	PASS
175	174	5	9	7.7	7738	PASS
176	174	95	101	96.4	96520	PASS
177	176	5	9	5.2	5047	PASS

Data File	Sample Number	Analysis Date:
1M161722.D	STD	05/16/22 14:05
1M161723.D	CAL @ 20 PPB	05/16/22 14:24
1M161728.D	DI	05/16/22 15:50
1M161729.D	DAILY BLANK	05/16/22 16:09
1M161730.D	DAILY BLANK	05/16/22 16:27
1M161731.D	AD30710-001	05/16/22 16:46
1M161732.D	AD30744-006	05/16/22 17:04
1M161733.D	AD30773-001	05/16/22 17:23
1M161734.D	AD30773-002	05/16/22 17:42
1M161735.D	AD30729-001	05/16/22 18:01
1M161736.D	MBS101591	05/16/22 18:19
1M161737.D	MBS101592	05/16/22 18:38
1M161738.D	AD30736-004	05/16/22 18:57
1M161739.D	AD30776-007	05/16/22 19:15
1M161740.D	AD30776-006(40uL	05/16/22 19:34
1M161741.D	30776-002(80uL)	05/16/22 19:52
1M161742.D	AD30776-001(400u	05/16/22 20:11
1M161743.D	AD30736-004(MS)	05/16/22 20:30
1M161744.D	AD30736-004(MSD	05/16/22 20:48
1M161745.D	BLK	05/16/22 21:07
1M161746.D	BLK	05/16/22 21:26
1M161747.D	AD30723-003(0.8u	05/16/22 21:45
1M161748.D	AD30723-004(0.8u	05/16/22 22:04
1M161749.D	AD30710-001(MS)	05/16/22 22:22
1M161750.D	AD30710-001(MSD	05/16/22 22:41
1M161751.D	STD	05/16/22 23:00
1M161752.D	STD	05/16/22 23:18

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Data File : 1M161720.D
Acq On : 16 May 2022 13:32
Operator : jm
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 7 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Title : @GCMS_1,ug,624,8260
Last Update : Fri Apr 22 09:16:07 2022



Spectrum Information: Average of 7.508 to 7.508 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	29.9	31872	PASS
75	95	30	60	58.9	62680	PASS
95	95	100	100	100.0	106440	PASS
96	95	5	9	5.3	5669	PASS
173	174	0.00	2	0.7	672	PASS
174	95	50	100	94.1	100168	PASS
175	174	5	9	7.7	7738	PASS
176	174	95	101	96.4	96520	PASS
177	176	5	9	5.2	5047	PASS

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M161680.D
Analysis Date: 05/13/22 19:16
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.66	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 640914

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK
Client Id:
Data File: 1M161680.D
Analysis Date: 05/13/22 19:16
Date Rec/Extracted:

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 640914

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161680.D Sam Mult : 1 Vial# : 12 Qt On : 05/13/22 19:53
Acq On : 05/13/22 19:16 Misc : A,5ML Qt Upd On: 04/22/22 09:35

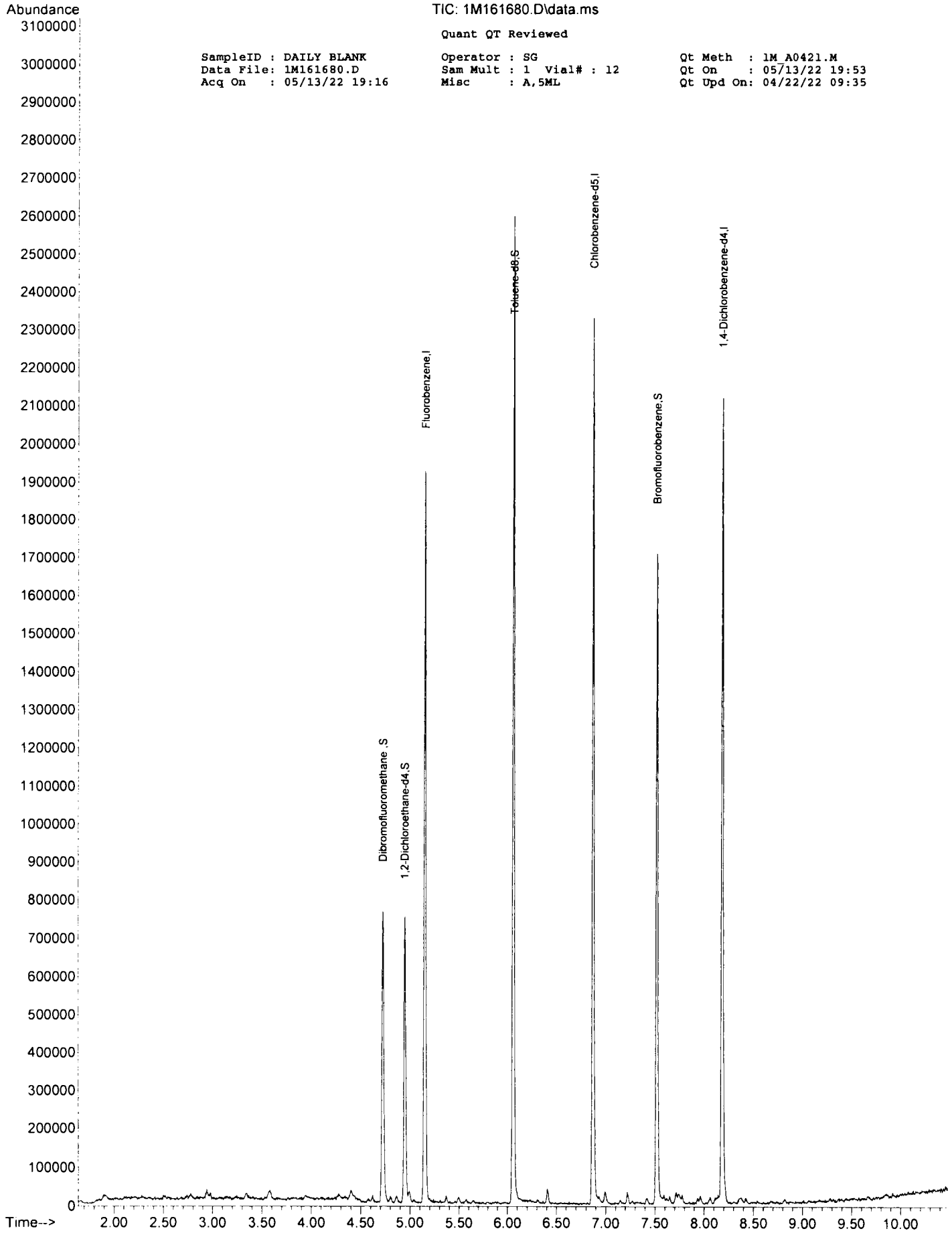
Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.152	96	1053991	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	845681	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.184	152	387813	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.724	111	296380	31.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.17%			
39) 1,2-Dichloroethane-d4	4.946	67	167820	33.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.97%			
66) Toluene-d8	6.058	98	1072416	28.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.53%			
76) Bromofluorobenzene	7.518	174	326817	30.68	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.27%			

Target Compounds Qvalue

No Library Search Compounds Found

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


Abundance
TIC: 1M161680.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M161680.D
Acq On : 05/13/22 19:16
Operator : SG
Sam Mult : 1 Vial# : 12
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 05/13/22 19:53
Qt Upd On: 04/22/22 09:35
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Data File : 1M161680.D
Acq On : 13 May 2022 19:16
Operator : SG
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M161680.D\data.ms

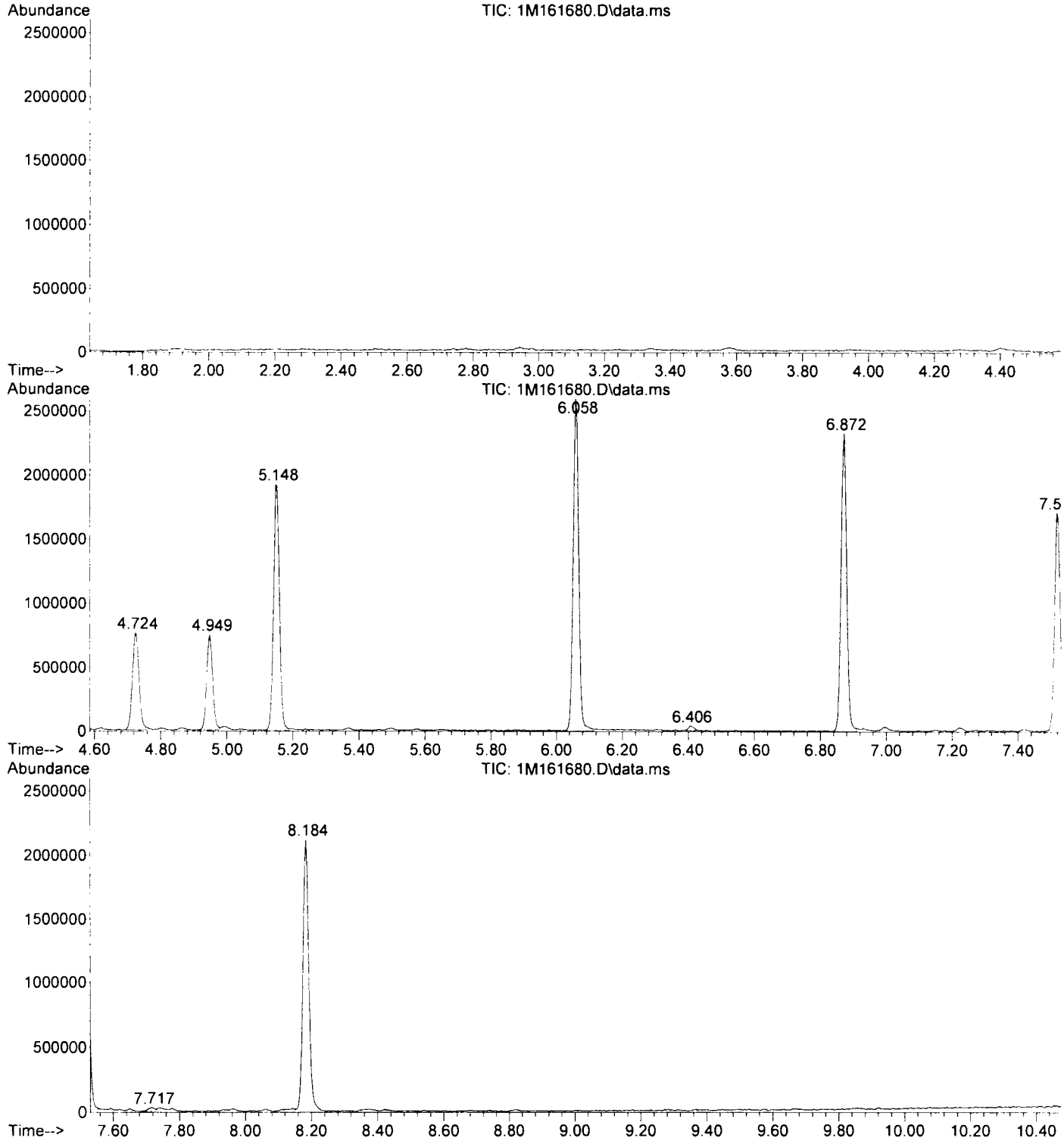
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.724	950	960	970	rBV	762308	1051631	34.63%	7.092%
2	4.949	1019	1030	1039	rBV	750420	953327	31.39%	6.429%
3	5.148	1079	1092	1105	rBV	1923727	2376741	78.26%	16.028%
4	6.058	1362	1375	1392	rBV	2595521	3037049	100.00%	20.481%
5	6.406	1477	1483	1491	rVB7	36989	42796	1.41%	0.289%
6	6.872	1617	1628	1640	rBV	2326519	2752551	90.63%	18.562%
7	7.518	1818	1829	1840	rBV	1708686	2041802	67.23%	13.769%
8	7.717	1881	1891	1895	rBV8	29549	44792	1.47%	0.302%
9	8.184	2026	2036	2050	rVB	2110080	2528187	83.24%	17.049%

Sum of corrected areas: 14828876

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Data File : 1M161680.D
Acq On : 13 May 2022 19:16
Operator : SG
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 12 Sample Multiplier: 1

Quant Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Data File : 1M161680.D
Acq On : 13 May 2022 19:16
Operator : SG
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 12 Sample Multiplier: 1

Quant Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M161730.D
Analysis Date: 05/16/22 16:27
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.66	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 640914

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number:	DAILY BLANK	Matrix:	Aqueous
Client Id:		Initial Vol:	5ml
Data File:	1M161730.D	Final Vol:	NA
Analysis Date:	05/16/22 16:27	Dilution:	1.00
Date Rec/Extracted:		Solids:	
		Method:	EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0J

Worksheet #: 640914

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : jm Qt Meth : 1M_A0421.M
Data File: 1M161730.D Sam Mult : 1 Vial# : 17 Qt On : 05/16/22 17:00
Acq On : 05/16/22 16:27 Misc : A,5ML Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.148	96	1073902	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	840835	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.183	152	386626	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.724	111	302828	31.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.43%			
39) 1,2-Dichloroethane-d4	4.949	67	160154	31.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.93%			
66) Toluene-d8	6.058	98	1072594	28.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.10%			
76) Bromofluorobenzene	7.521	174	321715	30.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.97%			

Target Compounds Qvalue

No Library Search Compounds Found

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

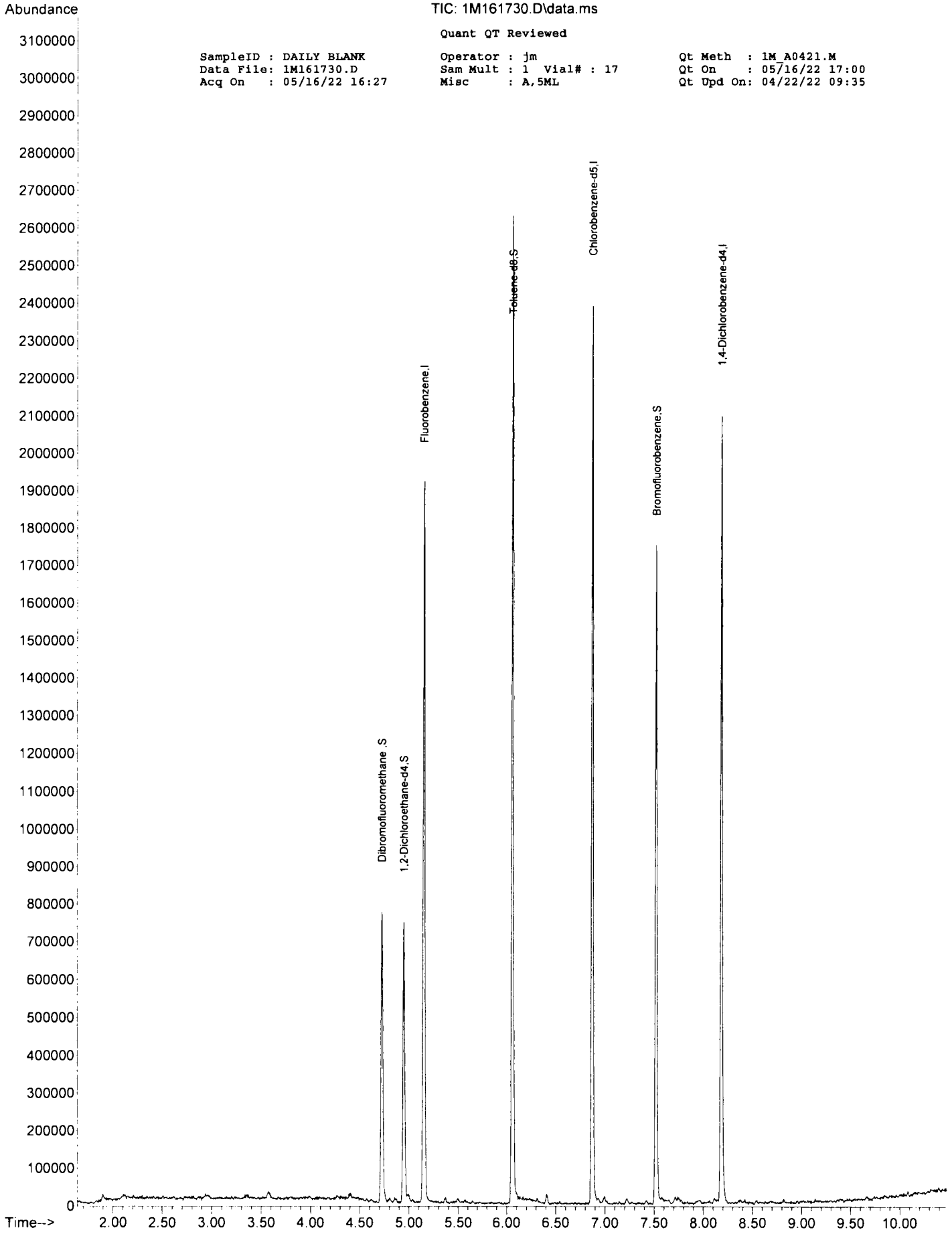
TIC: 1M161730.D\data.ms

Quant QT Reviewed

SampleID : DAILY BLANK
Data File: 1M161730.D
Acq On : 05/16/22 16:27

Operator : jm
Sam Mult : 1 Vial# : 17
Misc : A,5ML

Qt Meth : 1M_A0421.M
Qt On : 05/16/22 17:00
Qt Upd On: 04/22/22 09:35



LSC Area Percent Report

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Data File : 1M161730.D
Acq On : 16 May 2022 16:27
Operator : jm
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M161730.D\data.ms

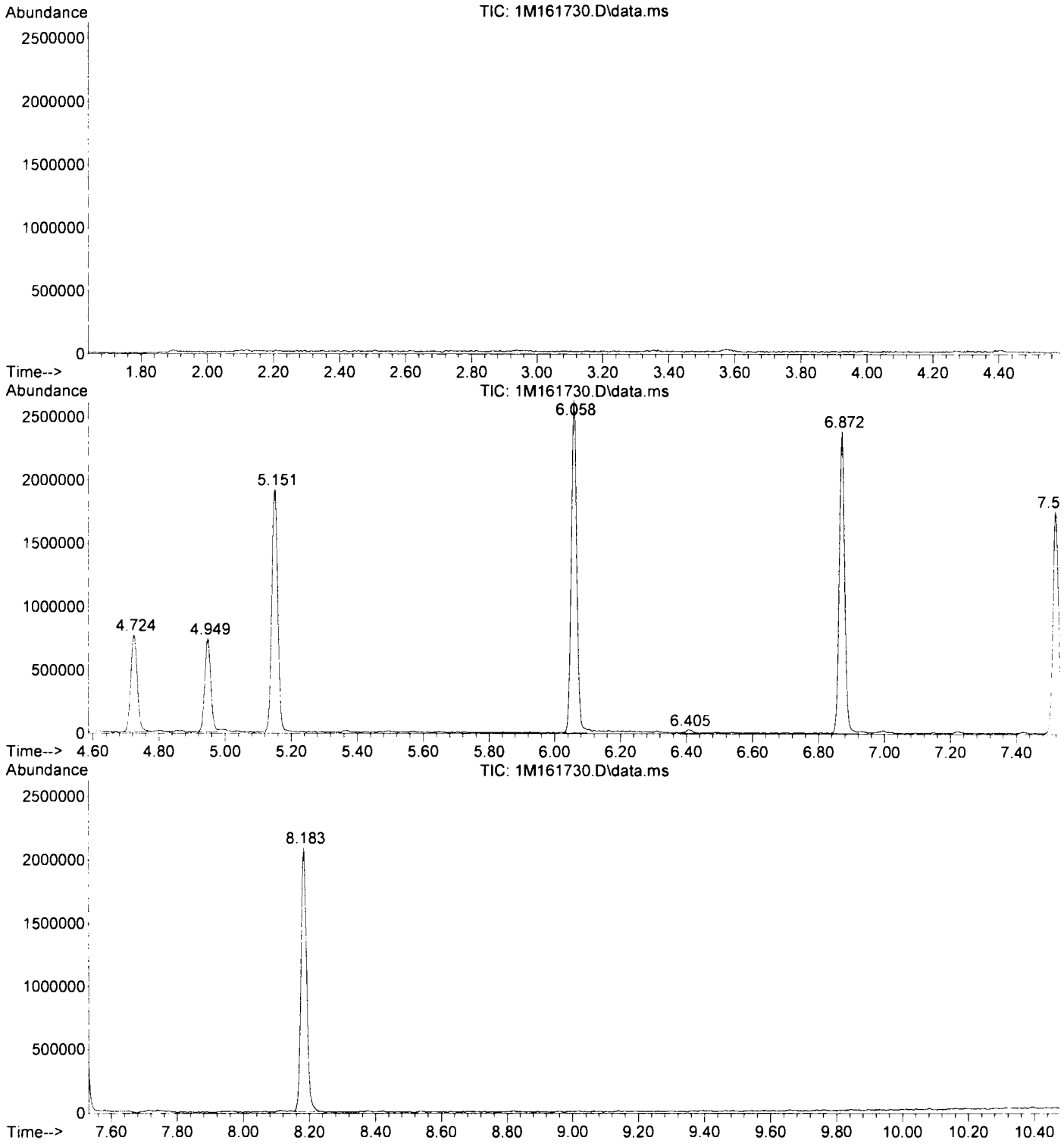
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.724	950	960	973	rBV2	772581	1065812	34.92%	7.189%
2	4.949	1019	1030	1039	rBV	744136	944920	30.96%	6.374%
3	5.151	1082	1093	1103	rBV	1918686	2387264	78.22%	16.103%
4	6.058	1366	1375	1388	rBV	2626617	3051930	100.00%	20.587%
5	6.405	1476	1483	1494	rVB7	27462	39162	1.28%	0.264%
6	6.872	1616	1628	1643	rBV	2387820	2766800	90.66%	18.663%
7	7.518	1818	1829	1841	rBV2	1752628	2072148	67.90%	13.978%
8	8.183	2027	2036	2050	rBV	2088985	2496774	81.81%	16.842%

Sum of corrected areas: 14824810

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Data File : 1M161730.D
Acq On : 16 May 2022 16:27
Operator : jm
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Data File : 1M161730.D
Acq On : 16 May 2022 16:27
Operator : jm
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 17 Sample Multiplier: 1

Quant Method : G:\GcMsData\2022\GCMS_1\MethodQt\1M_A0421.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form3
Recovery Data Laboratory Limits
QC Batch:MBS101555

Data File: Spike or Dup: 1M161546.D
Sample ID: MBS101555
Analysis Date: 5/11/2022 4:17:00 PM
Non Spike(If applicable):
Inst Blank(If applicable):

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	23.0744	0	20	115	50	150
Dichlorodifluoromethane	1	16.9425	0	20	85	50	150
Chloromethane	1	23.8579	0	20	119	50	150
Bromomethane	1	18.4362	0	20	92	50	150
Vinyl Chloride	1	23.7682	0	20	119	50	150
Chloroethane	1	22.7494	0	20	114	50	150
Trichlorofluoromethane	1	21.9838	0	20	110	50	150
Ethyl ether	1	20.1591	0	20	101	50	150
Furan	1	21.6018	0	20	108	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	22.0529	0	20	110	50	150
Methylene Chloride	1	22.2882	0	20	111	70	130
Acrolein	1	106.404	0	100	106	50	150
Acrylonitrile	1	23.0352	0	20	115	50	150
Iodomethane	1	14.6428	0	20	73	50	150
Acetone	1	107.8189	0	100	108	50	150
Carbon Disulfide	1	19.449	0	20	97	50	150
t-Butyl Alcohol	1	112.0983	0	100	112	50	150
n-Hexane	1	24.1898	0	20	121	70	130
Di-isopropyl-ether	1	23.1948	0	20	116	70	130
1,1-Dichloroethene	1	24.4653	0	20	122	70	130
Methyl Acetate	1	22.0611	0	20	110	50	150
Methyl-t-butyl ether	1	21.249	0	20	106	70	130
1,1-Dichloroethane	1	23.4535	0	20	117	70	130
trans-1,2-Dichloroethene	1	23.6709	0	20	118	70	130
Ethyl-t-butyl ether	1	21.5724	0	20	108	70	130
cis-1,2-Dichloroethene	1	24.6129	0	20	123	70	130
Bromochloromethane	1	25.6381	0	20	128	70	130
2,2-Dichloropropane	1	24.627	0	20	123	70	130
Ethyl acetate	1	24.0398	0	20	120	50	150
1,4-Dioxane	1	1181.559	0	1000	118	50	150
1,1-Dichloropropene	1	23.6822	0	20	118	70	130
Chloroform	1	22.5645	0	20	113	70	130
Cyclohexane	1	23.2293	0	20	116	70	130
1,2-Dichloroethane	1	21.1499	0	20	106	70	130
2-Butanone	1	27.6402	0	20	138	50	150
1,1,1-Trichloroethane	1	21.662	0	20	108	70	130
Carbon Tetrachloride	1	22.3389	0	20	112	50	150
Vinyl Acetate	1	24.2665	0	20	121	50	150
Bromodichloromethane	1	22.8369	0	20	114	70	130
Methylcyclohexane	1	21.8129	0	20	109	70	130
Dibromomethane	1	22.5053	0	20	113	70	130
1,2-Dichloropropane	1	23.6918	0	20	118	70	130
Trichloroethene	1	22.6398	0	20	113	70	130
Benzene	1	23.4928	0	20	117	70	130
tert-Amyl methyl ether	1	21.1185	0	20	106	70	130
Iso-propylacetate	1	20.9966	0	20	105	70	130
Methyl methacrylate	1	20.89	0	20	104	70	130
Dibromochloromethane	1	20.3977	0	20	102	70	130
2-Chloroethylvinylether	1	16.2117	0	20	81	70	130
cis-1,3-Dichloropropene	1	20.2593	0	20	101	70	130
trans-1,3-Dichloropropene	1	20.0978	0	20	100	70	130
Ethyl methacrylate	1	20.7039	0	20	104	70	130
1,1,2-Trichloroethane	1	21.5737	0	20	108	70	130
1,2-Dibromoethane	1	20.306	0	20	102	70	130
1,3-Dichloropropane	1	21.1339	0	20	106	70	130
4-Methyl-2-Pentanone	1	19.6961	0	20	98	50	150
2-Hexanone	1	19.2406	0	20	96	50	150
Tetrachloroethene	1	21.2224	0	20	106	50	150
Toluene	1	22.0879	0	20	110	70	130
1,1,1,2-Tetrachloroethane	1	19.9754	0	20	100	70	130
Chlorobenzene	1	20.741	0	20	104	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: MBS101555

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	20.0413	0	20	100	70	130
n-Amyl acetate	1	21.8874	0	20	109	70	130
Bromoform	**1**	**19.945**	**0**	**20**	**100**	**70**	**130**
Ethylbenzene	**1**	**19.988**	**0**	**20**	**100**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**20.5369**	**0**	**20**	**103**	**70**	**130**
Styrene	**1**	**20.5971**	**0**	**20**	**103**	**70**	**130**
m&p-Xylenes	**1**	**42.7408**	**0**	**40**	**107**	**70**	**130**
o-Xylene	**1**	**19.6536**	**0**	**20**	**98**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	20.1641	0	20	101	50	150
1,3-Dichlorobenzene	**1**	**19.5276**	**0**	**20**	**98**	**70**	**130**
1,4-Dichlorobenzene	**1**	**18.9869**	**0**	**20**	**95**	**70**	**130**
1,2-Dichlorobenzene	**1**	**19.0818**	**0**	**20**	**95**	**70**	**130**
Isopropylbenzene	**1**	**21.4605**	**0**	**20**	**107**	**70**	**130**
Cyclohexanone	1	88.1997	0	100	88	50	150
Camphene	1	17.9756	0	20	90	70	130
1,2,3-Trichloropropane	1	19.1538	0	20	96	70	130
2-Chlorotoluene	1	21.2751	0	20	106	70	130
p-Ethyltoluene	1	19.9208	0	20	100	70	130
4-Chlorotoluene	1	18.8567	0	20	94	70	130
n-Propylbenzene	1	20.7434	0	20	104	70	130
Bromobenzene	1	19.9072	0	20	100	70	130
1,3,5-Trimethylbenzene	1	20.3921	0	20	102	70	130
Butyl methacrylate	1	18.9452	0	20	95	70	130
t-Butylbenzene	1	20.0914	0	20	100	70	130
1,2,4-Trimethylbenzene	1	20.9368	0	20	105	70	130
sec-Butylbenzene	1	21.1337	0	20	106	70	130
4-Isopropyltoluene	1	20.1403	0	20	101	70	130
n-Butylbenzene	1	20.0683	0	20	100	70	130
p-Diethylbenzene	1	17.4425	0	20	87	70	130
1,2,4,5-Tetramethylbenzene	1	17.2716	0	20	86	70	130
1,2-Dibromo-3-Chloropropane	**1**	**17.7416**	**0**	**20**	**89**	**50**	**150**
Camphor	1	168.3862	0	200	84	20	150
Hexachlorobutadiene	1	20.4309	0	20	102	50	150
1,2,4-Trichlorobenzene	**1**	**19.1753**	**0**	**20**	**96**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**19.5824**	**0**	**20**	**98**	**70**	**130**
Naphthalene	1	20.3848	0	20	102	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

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 1M161546.D
Acq On : 05/11/22 16:17

Operator : SG
Sam Mult : 1 Vial# : 12
Misc : A,5ML!4

Qt Meth : 1M_A0421.M
Qt On : 05/11/22 17:08
Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-11-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.151	96	1316890	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	1061094	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.187	152	529832	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.727	111	356056	30.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.10%			
39) 1,2-Dichloroethane-d4	4.949	67	192708	30.59	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.97%			
66) Toluene-d8	6.061	98	1372027	28.92	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.40%			
76) Bromofluorobenzene	7.521	174	443602	30.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.60%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.672	51	278340	23.0744	ug/l	55
6) Dichlorodifluoromethane	1.663	85	132295	16.9425	ug/l	95
7) Chloromethane	1.827	50	176557	23.8579	ug/l	99
8) Bromomethane	2.209	94	138466	18.4362	ug/l	93
9) Vinyl Chloride	1.920	62	217181	23.7682	ug/l	97
10) Chloroethane	2.293	64	151148	22.7494	ug/l	96
11) Trichlorofluoromethane	2.505	101	377892	21.9838	ug/l	99
12) Ethyl ether	2.737	59	163789	20.1591	ug/l	84
13) Furan	2.775	39	343459	21.6018	ug/l	82
14) 1,1,2-Trichloro-1,2,2-...	2.936	101	180869m	22.0529	ug/l	
15) Methylene Chloride	3.341	84	197515	22.2882	ug/l	78
16) Acrolein	2.846	56	170838	106.4040	ug/l	93
17) Acrylonitrile	3.550	53	77250	23.0352	ug/l	90
18) Iodomethane	3.087	142	163057	14.6428	ug/l	98
19) Acetone	2.975	43	259955	107.8189	ug/l	92
20) Carbon Disulfide	3.155	76	433597	19.4490	ug/l	100
21) t-Butyl Alcohol	3.405	59	97385	112.0983	ug/l	91
22) n-Hexane	3.811	57	195724	24.1898	ug/l	100
23) Di-isopropyl-ether	3.984	45	602151	23.1948	ug/l	79
24) 1,1-Dichloroethene	2.946	61	341834	24.4653	ug/l	97
25) Methyl Acetate	3.245	43	143426	22.0611	ug/l	100
26) Methyl-t-butyl ether	3.576	73	541032	21.2490	ug/l	94
27) 1,1-Dichloroethane	3.946	63	391617	23.4535	ug/l	97
28) trans-1,2-Dichloroethene	3.582	96	222752	23.6709	ug/l	98
29) Ethyl-t-butyl ether	4.277	59	556013	21.5724	ug/l	94
30) cis-1,2-Dichloroethene	4.402	61	387475	24.6129	ug/l	94
31) Bromochloromethane	4.576	49	190129	25.6381	ug/l	80
32) 2,2-Dichloropropane	4.409	77	366009	24.6270	ug/l	94
33) Ethyl acetate	4.438	43	199410	24.0398	ug/l	92
34) 1,4-Dioxane	5.576	88	107329	1181.5589	ug/l	87
35) 1,1-Dichloropropene	4.862	75	293283	23.6822	ug/l	98
36) Chloroform	4.621	83	377837	22.5645	ug/l	100
38) Cyclohexane	4.801	56	266618	23.2293	ug/l	91
40) 1,2-Dichloroethane	4.997	62	305054	21.1499	ug/l	95
41) 2-Butanone	4.402	43	85605m	27.6402	ug/l	
42) 1,1,1-Trichloroethane	4.759	97	349703	21.6620	ug/l	92
43) Carbon Tetrachloride	4.868	117	305974	22.3389	ug/l	95
44) Vinyl Acetate	3.968	43	685737	24.2665	ug/l	100
45) Bromodichloromethane	5.650	83	271760	22.8369	ug/l	99
46) Methylcyclohexane	5.489	83	225955	21.8129	ug/l	95
47) Dibromomethane	5.573	174	141190	22.5053	ug/l	92
48) 1,2-Dichloropropane	5.502	63	205998	23.6918	ug/l	94
49) Trichloroethene	5.370	130	222561	22.6398	ug/l	98
50) Benzene	4.994	78	808927	23.4928	ug/l	100
51) tert-Amyl methyl ether	5.045	73	487300	21.1185	ug/l	97
53) Iso-propylacetate	5.000	43	376147	20.9966	ug/l	93
54) Methyl methacrylate	5.537	41	150615	20.8900	ug/l	84
55) Dibromochloromethane	6.547	129	188263	20.3977	ug/l	91
56) 2-Chloroethylvinylether	5.801	63	22380	16.2117	ug/l	92
57) cis-1,3-Dichloropropene	5.901	75	302507	20.2593	ug/l	99
58) trans-1,3-Dichloropropene	6.203	75	278984	20.0978	ug/l	98
59) Ethyl methacrylate	6.232	41	168952	20.7039	ug/l	76
60) 1,1,2-Trichloroethane	6.312	97	183097	21.5737	ug/l	95
61) 1,2-Dibromoethane	6.624	107	181814	20.3060	ug/l	90
62) 1,3-Dichloropropane	6.412	76	311693	21.1339	ug/l	99
63) 4-Methyl-2-Pentanone	5.978	43	159984	19.6961	ug/l	96
64) 2-Hexanone	6.434	43	103716	19.2406	ug/l	94
65) Tetrachloroethene	6.412	164	177051	21.2224	ug/l	88
67) Toluene	6.100	92	523390	22.0879	ug/l	91

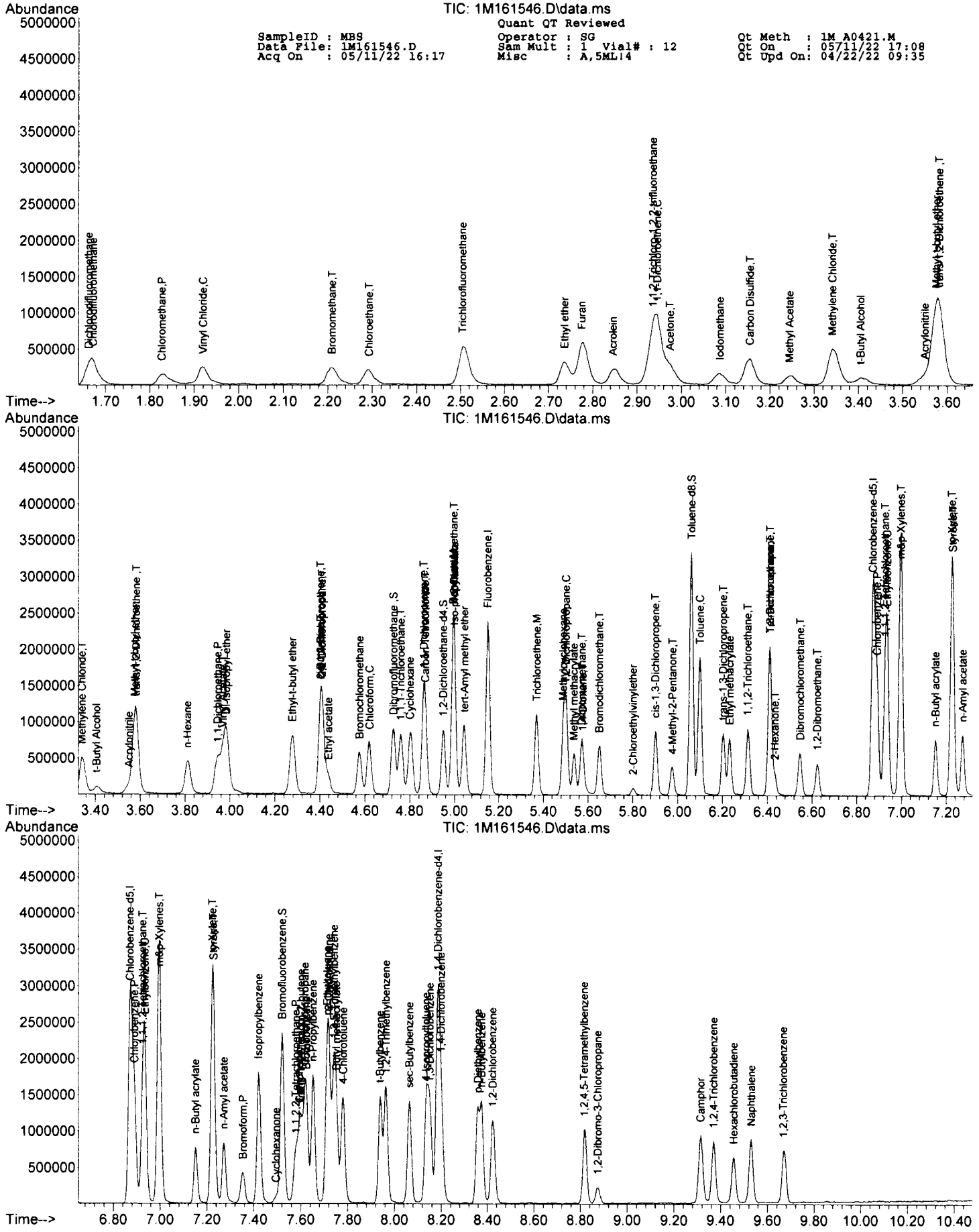
Quantitation Report (QT Reviewed)

SampleID : MBS Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161546.D Sam Mult : 1 Vial# : 12 Qt On : 05/11/22 17:08
Acq On : 05/11/22 16:17 Misc : A,5ML!4 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-11-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.926	133	178824	19.9754	ug/l	95
69)	Chlorobenzene	6.891	112	531388	20.7410	ug/l	94
71)	n-Butyl acrylate	7.151	55	328751	20.0413	ug/l	92
72)	n-Amyl acetate	7.273	43	311053	21.8874	ug/l	89
73)	Bromoform	7.354	173	127640	19.9450	ug/l	90
74)	Ethylbenzene	6.936	106	256128	19.9880	ug/l	100
75)	1,1,2,2-Tetrachloroethane	7.579	83	227891	20.5369	ug/l	99
77)	Styrene	7.228	104	559510	20.5971	ug/l	100
78)	m&p-Xylenes	6.997	106	700384	42.7408	ug/l	94
79)	o-Xylene	7.225	106	332752	19.6536	ug/l	92
80)	trans-1,4-Dichloro-2-b...	7.601	53	99558	20.1641	ug/l	92
81)	1,3-Dichlorobenzene	8.151	146	356971	19.5276	ug/l	96
82)	1,4-Dichlorobenzene	8.199	146	370616	18.9869	ug/l	97
83)	1,2-Dichlorobenzene	8.425	146	336466	19.0818	ug/l	97
84)	Isopropylbenzene	7.421	105	825164	21.4605	ug/l	98
85)	Cyclohexanone	7.495	55	30568	88.1997	ug/l	97
86)	Camphene	7.595	93	192180	17.9756	ug/l	96
87)	1,2,3-Trichloropropane	7.617	75	275272	19.1538	ug/l	99
88)	2-Chlorotoluene	7.720	91	536466	21.2751	ug/l	93
89)	p-Ethyltoluene	7.714	105	761246	19.9208	ug/l	93
90)	4-Chlorotoluene	7.781	91	497656	18.8567	ug/l	96
91)	n-Propylbenzene	7.653	91	945197	20.7434	ug/l	97
92)	Bromobenzene	7.624	77	453126	19.9072	ug/l	82
93)	1,3,5-Trimethylbenzene	7.743	105	603319	20.3921	ug/l	96
94)	Butyl methacrylate	7.753	41	214544	18.9452	ug/l	67
95)	t-Butylbenzene	7.939	119	569454	20.0914	ug/l	99
96)	1,2,4-Trimethylbenzene	7.965	105	631934	20.9368	ug/l	90
97)	sec-Butylbenzene	8.064	105	700729	21.1337	ug/l	97
98)	4-Isopropyltoluene	8.135	119	568703	20.1403	ug/l	97
99)	n-Butylbenzene	8.376	91	607506	20.0683	ug/l	99
100)	p-Diethylbenzene	8.360	119	301594	17.4425	ug/l	96
101)	1,2,4,5-Tetramethylben...	8.817	119	391617	17.2716	ug/l	99
102)	1,2-Dibromo-3-Chloropr...	8.875	157	41079	17.7416	ug/l	87
103)	Camphor	9.315	95	171147	168.3862	ug/l	99
104)	Hexachlorobutadiene	9.457	225	85900	20.4309	ug/l	97
105)	1,2,4-Trichlorobenzene	9.370	180	177855	19.1753	ug/l	95
106)	1,2,3-Trichlorobenzene	9.669	180	153347	19.5824	ug/l	93
107)	Naphthalene	9.531	128	478602	20.3848	ug/l	98

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


Abundance
TIC: 1M161546.D\data.ms
Quant QT Reviewed
SampleID : MBS
Data File: 1M161546.D
Acq On : 05/11/22 16:17
Operator : SG
Sam Mult : 1
Misc : A,5ML14
Vial# : 12
Qt Meth : 1M_A0421.M
Qt On : 05/11/22 17:08
Qt Upd On: 04/22/22 09:35
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->
Abundance
TIC: 1M161546.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methylcyclohexane,C
Methyl methacrylate
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->
Abundance
TIC: 1M161546.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101578

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161686.D	MBS101578	5/13/2022 9:09:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	7.8446	0	20	39*	50	150
Dichlorodifluoromethane	1	27.4436	0	20	137	50	150
Chloromethane	1	24.9331	0	20	125	50	150
Bromomethane	1	15.3016	0	20	77	50	150
Vinyl Chloride	1	25.5153	0	20	128	50	150
Chloroethane	1	22.8868	0	20	114	50	150
Trichlorofluoromethane	1	20.3091	0	20	102	50	150
Ethyl ether	1	16.7227	0	20	84	50	150
Furan	1	16.8873	0	20	84	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	20.3387	0	20	102	50	150
Methylene Chloride	1	20.2845	0	20	101	70	130
Acrolein	1	96.8687	0	100	97	50	150
Acrylonitrile	1	21.2111	0	20	106	50	150
Iodomethane	1	10.2488	0	20	51	50	150
Acetone	1	103.7337	0	100	104	50	150
Carbon Disulfide	1	17.6592	0	20	88	50	150
t-Butyl Alcohol	1	98.3397	0	100	98	50	150
n-Hexane	1	21.7569	0	20	109	70	130
Di-isopropyl-ether	1	21.3135	0	20	107	70	130
1,1-Dichloroethene	1	21.471	0	20	107	70	130
Methyl Acetate	1	21.3017	0	20	107	50	150
Methyl-t-butyl ether	1	18.6679	0	20	93	70	130
1,1-Dichloroethane	1	21.6333	0	20	108	70	130
trans-1,2-Dichloroethene	1	20.3112	0	20	102	70	130
Ethyl-t-butyl ether	1	19.6513	0	20	98	70	130
cis-1,2-Dichloroethene	1	21.4683	0	20	107	70	130
Bromochloromethane	1	22.3027	0	20	112	70	130
2,2-Dichloropropane	1	21.185	0	20	106	70	130
Ethyl acetate	1	22.4836	0	20	112	50	150
1,4-Dioxane	1	945.8224	0	1000	95	50	150
1,1-Dichloropropene	1	19.8551	0	20	99	70	130
Chloroform	1	19.8961	0	20	99	70	130
Cyclohexane	1	19.634	0	20	98	70	130
1,2-Dichloroethane	1	18.3671	0	20	92	70	130
2-Butanone	1	24.4468	0	20	122	50	150
1,1,1-Trichloroethane	1	19.2573	0	20	96	70	130
Carbon Tetrachloride	1	18.8758	0	20	94	50	150
Vinyl Acetate	1	21.664	0	20	108	50	150
Bromodichloromethane	1	18.9374	0	20	95	70	130
Methylcyclohexane	1	18.3141	0	20	92	70	130
Dibromomethane	1	18.1138	0	20	91	70	130
1,2-Dichloropropane	1	20.7814	0	20	104	70	130
Trichloroethene	1	18.7782	0	20	94	70	130
Benzene	1	19.8493	0	20	99	70	130
tert-Amyl methyl ether	1	18.2928	0	20	91	70	130
Iso-propylacetate	1	17.8099	0	20	89	70	130
Methyl methacrylate	1	17.4391	0	20	87	70	130
Dibromochloromethane	1	15.7382	0	20	79	70	130
2-Chloroethylvinylether	1	13.1792	0	20	66*	70	130
cis-1,3-Dichloropropene	1	16.4837	0	20	82	70	130
trans-1,3-Dichloropropene	1	16.032	0	20	80	70	130
Ethyl methacrylate	1	17.0783	0	20	85	70	130
1,1,2-Trichloroethane	1	18.5268	0	20	93	70	130
1,2-Dibromoethane	1	16.7338	0	20	84	70	130
1,3-Dichloropropane	1	17.4376	0	20	87	70	130
4-Methyl-2-Pentanone	1	17.5387	0	20	88	50	150
2-Hexanone	1	17.4493	0	20	87	50	150
Tetrachloroethene	1	17.8721	0	20	89	50	150
Toluene	1	18.068	0	20	90	70	130
1,1,1,2-Tetrachloroethane	1	16.6584	0	20	83	70	130
Chlorobenzene	1	17.5498	0	20	88	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: MBS101578

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	16.0044	0	20	80	70	130
n-Amyl acetate	1	17.5914	0	20	88	70	130
Bromoform	**1**	**14.792**	**0**	**20**	**74**	**70**	**130**
Ethylbenzene	**1**	**15.6724**	**0**	**20**	**78**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**16.668**	**0**	**20**	**83**	**70**	**130**
Styrene	**1**	**16.6826**	**0**	**20**	**83**	**70**	**130**
m&p-Xylenes	**1**	**33.7466**	**0**	**40**	**84**	**70**	**130**
o-Xylene	**1**	**16.3459**	**0**	**20**	**82**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	17.4228	0	20	87	50	150
1,3-Dichlorobenzene	**1**	**16.2221**	**0**	**20**	**81**	**70**	**130**
1,4-Dichlorobenzene	**1**	**15.6386**	**0**	**20**	**78**	**70**	**130**
1,2-Dichlorobenzene	**1**	**15.8305**	**0**	**20**	**79**	**70**	**130**
Isopropylbenzene	**1**	**16.2288**	**0**	**20**	**81**	**70**	**130**
Cyclohexanone	1	69.0567	0	100	69	50	150
Camphene	1	14.4431	0	20	72	70	130
1,2,3-Trichloropropane	1	16.0286	0	20	80	70	130
2-Chlorotoluene	1	16.0144	0	20	80	70	130
p-Ethyltoluene	1	16.2978	0	20	81	70	130
4-Chlorotoluene	1	15.6348	0	20	78	70	130
n-Propylbenzene	1	16.9635	0	20	85	70	130
Bromobenzene	1	16.3794	0	20	82	70	130
1,3,5-Trimethylbenzene	1	16.3861	0	20	82	70	130
Butyl methacrylate	1	15.6488	0	20	78	70	130
t-Butylbenzene	1	15.7464	0	20	79	70	130
1,2,4-Trimethylbenzene	1	16.396	0	20	82	70	130
sec-Butylbenzene	1	16.9811	0	20	85	70	130
4-Isopropyltoluene	1	16.0283	0	20	80	70	130
n-Butylbenzene	1	16.2815	0	20	81	70	130
p-Diethylbenzene	1	13.7134	0	20	69*	70	130
1,2,4,5-Tetramethylbenzene	1	12.7035	0	20	64*	70	130
1,2-Dibromo-3-Chloropropane	**1**	**13.5222**	**0**	**20**	**68**	**50**	**150**
Camphor	1	122.4238	0	200	61	20	150
Hexachlorobutadiene	1	14.8919	0	20	74	50	150
1,2,4-Trichlorobenzene	**1**	**15.3717**	**0**	**20**	**77**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**15.7519**	**0**	**20**	**79**	**70**	**130**
Naphthalene	1	15.0151	0	20	75	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

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 1M161686.D
Acq On : 05/13/22 21:09

Operator : SG
Sam Mult : 1 Vial# : 18
Misc : A,5ML

Qt Meth : 1M_A0421.M
Qt On : 05/13/22 21:58
Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.151	96	1051989	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.871	117	860314	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.183	152	440017	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.724	111	302132	32.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.40%			
39) 1,2-Dichloroethane-d4	4.946	67	162931	32.38	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.93%			
66) Toluene-d8	6.058	98	1091847	28.39	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.63%			
76) Bromofluorobenzene	7.521	174	357954	29.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.70%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.672	51	75629m	7.8446	ug/l	
6) Dichlorodifluoromethane	1.659	85	171007m	27.4436	ug/l	
7) Chloromethane	1.827	50	147398	24.9331	ug/l	87
8) Bromomethane	2.209	94	91806	15.3016	ug/l	89
9) Vinyl Chloride	1.920	62	186247	25.5153	ug/l	97
10) Chloroethane	2.293	64	121473	22.8868	ug/l	98
11) Trichlorofluoromethane	2.505	101	278880	20.3091	ug/l	94
12) Ethyl ether	2.737	59	108538	16.7227	ug/l	81
13) Furan	2.775	39	214490	16.8873	ug/l	83
14) 1,1,2-Trichloro-1,2,2-...	2.936	101	133255m	20.3387	ug/l	
15) Methylene Chloride	3.344	84	143599	20.2845	ug/l	78
16) Acrolein	2.846	56	124243	96.8687	ug/l	100
17) Acrylonitrile	3.540	53	56824	21.2111	ug/l	99
18) Iodomethane	3.084	142	91076	10.2488	ug/l	97
19) Acetone	2.975	43	199795	103.7337	ug/l	82
20) Carbon Disulfide	3.151	76	314501	17.6592	ug/l	100
21) t-Butyl Alcohol	3.412	59	68247	98.3397	ug/l	67
22) n-Hexane	3.811	57	140628	21.7569	ug/l	95
23) Di-isopropyl-ether	3.981	45	442009	21.3135	ug/l	85
24) 1,1-Dichloroethene	2.942	61	239651	21.4710	ug/l	94
25) Methyl Acetate	3.248	43	110631	21.3017	ug/l	100
26) Methyl-t-butyl ether	3.576	73	379679	18.6679	ug/l	92
27) 1,1-Dichloroethane	3.942	63	288561	21.6333	ug/l	96
28) trans-1,2-Dichloroethene	3.579	96	152688	20.3112	ug/l	92
29) Ethyl-t-butyl ether	4.274	59	404613	19.6513	ug/l	91
30) cis-1,2-Dichloroethene	4.402	61	269985	21.4683	ug/l	93
31) Bromochloromethane	4.579	49	132124	22.3027	ug/l	79
32) 2,2-Dichloropropane	4.405	77	251519	21.1850	ug/l	96
33) Ethyl acetate	4.431	43	148985	22.4836	ug/l	98
34) 1,4-Dioxane	5.576	88	68633	945.8224	ug/l	91
35) 1,1-Dichloropropene	4.859	75	196426	19.8551	ug/l	95
36) Chloroform	4.614	83	266139	19.8961	ug/l	90
38) Cyclohexane	4.801	56	180021	19.6340	ug/l	90
40) 1,2-Dichloroethane	4.994	62	211627	18.3671	ug/l	100
41) 2-Butanone	4.402	43	60385	24.4468	ug/l	54
42) 1,1,1-Trichloroethane	4.759	97	248346	19.2573	ug/l	95
43) Carbon Tetrachloride	4.868	117	206534	18.8758	ug/l	99
44) Vinyl Acetate	3.971	43	489047	21.6640	ug/l	100
45) Bromodichloromethane	5.650	83	180024	18.9374	ug/l	97
46) Methylcyclohexane	5.492	83	151550	18.3141	ug/l	96
47) Dibromomethane	5.569	174	90780	18.1138	ug/l	96
48) 1,2-Dichloropropane	5.499	63	144345	20.7814	ug/l	97
49) Trichloroethene	5.367	130	147466	18.7782	ug/l	93
50) Benzene	4.994	78	545987	19.8493	ug/l	100
51) tert-Amyl methyl ether	5.042	73	337190	18.2928	ug/l	95
53) Iso-propylacetate	4.997	43	258686	17.8099	ug/l	95
54) Methyl methacrylate	5.537	41	101943	17.4391	ug/l	83
55) Dibromochloromethane	6.544	129	117772	15.7382	ug/l	97
56) 2-Chloroethylvinylether	5.801	63	14751	13.1792	ug/l	78
57) cis-1,3-Dichloropropene	5.900	75	199558	16.4837	ug/l	94
58) trans-1,3-Dichloropropene	6.203	75	180435	16.0320	ug/l	99
59) Ethyl methacrylate	6.232	41	112995	17.0783	ug/l	73
60) 1,1,2-Trichloroethane	6.309	97	127485	18.5268	ug/l	92
61) 1,2-Dibromoethane	6.621	107	121479	16.7338	ug/l	100
62) 1,3-Dichloropropane	6.408	76	208515	17.4376	ug/l	99
63) 4-Methyl-2-Pentanone	5.974	43	115504	17.5387	ug/l	88
64) 2-Hexanone	6.431	43	76262	17.4493	ug/l	98
65) Tetrachloroethene	6.408	164	120888	17.8721	ug/l	97
67) Toluene	6.097	92	347123	18.0680	ug/l	94

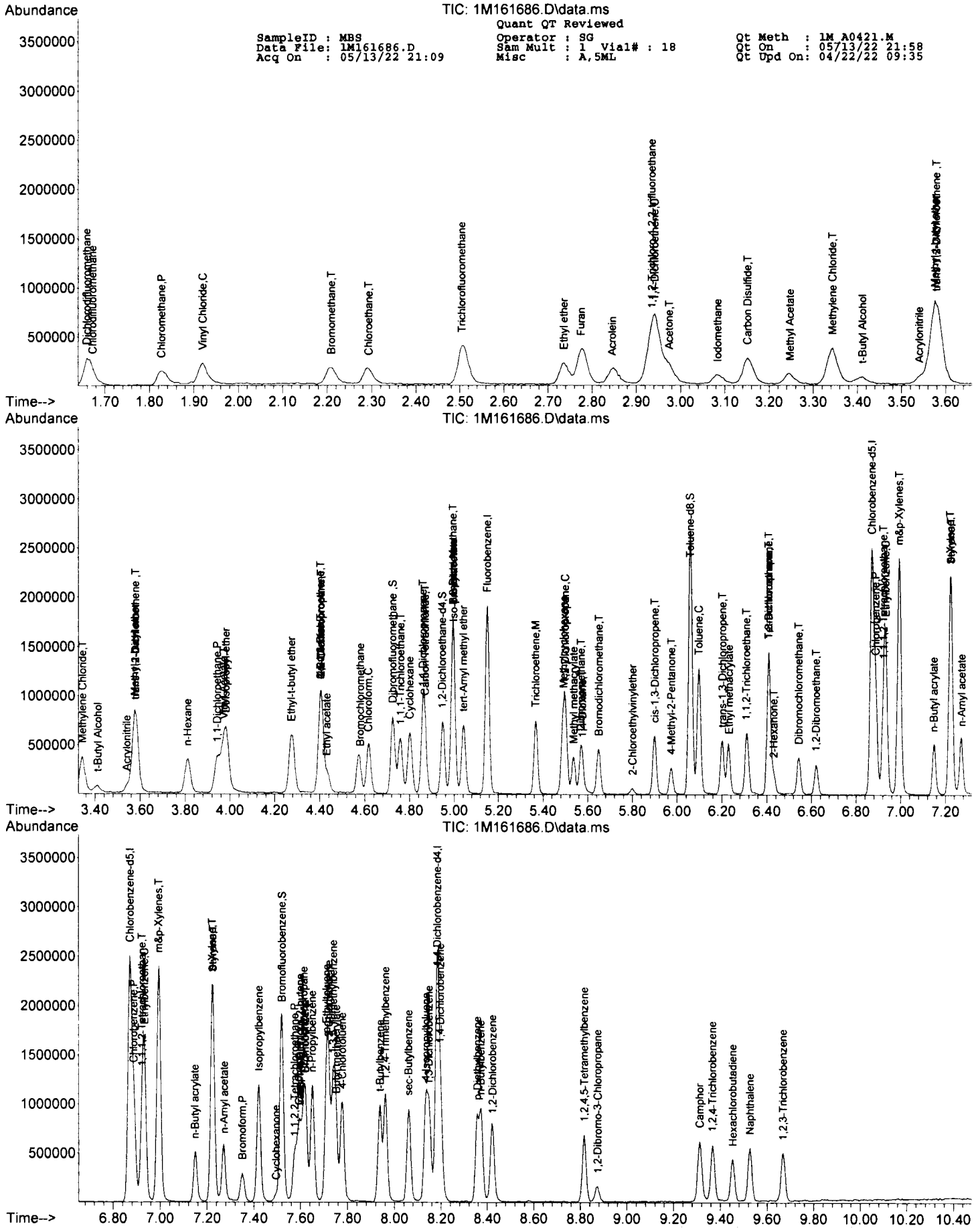
Quantitation Report (QT Reviewed)

SampleID : MBS | Operator : SG | Qt Meth : 1M_A0421.M
Data File: 1M161686.D | Sam Mult : 1 Vial# : 18 | Qt On : 05/13/22 21:58
Acq On : 05/13/22 21:09 | Misc : A,5ML | Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.923	133	120911	16.6584	ug/l	96
69)	Chlorobenzene	6.888	112	364550	17.5498	ug/l	97
71)	n-Butyl acrylate	7.148	55	218028	16.0044	ug/l	92
72)	n-Amyl acetate	7.273	43	207622	17.5914	ug/l	90
73)	Bromoform	7.351	173	78616	14.7920	ug/l	98
74)	Ethylbenzene	6.933	106	166784	15.6724	ug/l	97
75)	1,1,2,2-Tetrachloroethane	7.576	83	153606	16.6680	ug/l	92
77)	Styrene	7.225	104	376356	16.6826	ug/l	97
78)	m&p-Xylenes	6.994	106	459256	33.7466	ug/l	95
79)	o-Xylene	7.222	106	229836	16.3459	ug/l	96
80)	trans-1,4-Dichloro-2-b...	7.598	53	71441	17.4228	ug/l	85
81)	1,3-Dichlorobenzene	8.148	146	246276	16.2221	ug/l	95
82)	1,4-Dichlorobenzene	8.196	146	253511	15.6386	ug/l	98
83)	1,2-Dichlorobenzene	8.424	146	231818	15.8305	ug/l	95
84)	Isopropylbenzene	7.421	105	518224	16.2288	ug/l	96
85)	Cyclohexanone	7.495	55	19859	69.0567	ug/l	96
86)	Camphene	7.595	93	128238	14.4431	ug/l	99
87)	1,2,3-Trichloropropane	7.614	75	191309	16.0286	ug/l	99
88)	2-Chlorotoluene	7.720	91	335362	16.0144	ug/l	93
89)	p-Ethyltoluene	7.711	105	517223	16.2978	ug/l	96
90)	4-Chlorotoluene	7.778	91	342680	15.6348	ug/l	94
91)	n-Propylbenzene	7.650	91	641931	16.9635	ug/l	96
92)	Bromobenzene	7.621	77	309627	16.3794	ug/l	81
93)	1,3,5-Trimethylbenzene	7.740	105	402617	16.3861	ug/l	99
94)	Butyl methacrylate	7.752	41	147173	15.6488	ug/l	66
95)	t-Butylbenzene	7.939	119	370648	15.7464	ug/l	97
96)	1,2,4-Trimethylbenzene	7.961	105	410991	16.3960	ug/l	98
97)	sec-Butylbenzene	8.061	105	467596	16.9811	ug/l	96
98)	4-Isopropyltoluene	8.135	119	375871	16.0283	ug/l	96
99)	n-Butylbenzene	8.373	91	409324	16.2815	ug/l	95
100)	p-Diethylbenzene	8.357	119	196921	13.7134	ug/l	95
101)	1,2,4,5-Tetramethylben...	8.817	119	239212	12.7035	ug/l	99
102)	1,2-Dibromo-3-Chloropr...	8.875	157	26002	13.5222	ug/l	98
103)	Camphor	9.312	95	103338	122.4238	ug/l	94
104)	Hexachlorobutadiene	9.453	225	51998	14.8919	ug/l	99
105)	1,2,4-Trichlorobenzene	9.367	180	118407	15.3717	ug/l	95
106)	1,2,3-Trichlorobenzene	9.669	180	102441	15.7519	ug/l	97
107)	Naphthalene	9.527	128	292771	15.0151	ug/l	96

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


Abundance
TIC: 1M161686.D\data.ms
Quant QT Reviewed
SampleID : MBS
Data File: 1M161686.D
Acq On : 05/13/22 21:09
Operator : SG
Sam Mult : 1 Vial# : 18
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 05/13/22 21:58
Qt Upd On: 04/22/22 09:35
Time-->

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101592

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161737.D	MBS101592	5/16/2022 6:38:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	19.5972	0	20	98	50	150
Dichlorodifluoromethane	1	31.5233	0	20	158*	50	150
Chloromethane	1	28.1714	0	20	141	50	150
Bromomethane	1	13.7599	0	20	69	50	150
Vinyl Chloride	1	29.2994	0	20	146	50	150
Chloroethane	1	26.5729	0	20	133	50	150
Trichlorofluoromethane	1	24.9545	0	20	125	50	150
Ethyl ether	1	19.4869	0	20	97	50	150
Furan	1	20.3268	0	20	102	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	26.2232	0	20	131	50	150
Methylene Chloride	1	23.9872	0	20	120	70	130
Acrolein	1	111.0094	0	100	111	50	150
Acrylonitrile	1	25.6775	0	20	128	50	150
Iodomethane	1	13.023	0	20	65	50	150
Acetone	1	118.6063	0	100	119	50	150
Carbon Disulfide	1	21.7562	0	20	109	50	150
t-Butyl Alcohol	1	121.9111	0	100	122	50	150
n-Hexane	1	27.6395	0	20	138*	70	130
Di-isopropyl-ether	1	25.788	0	20	129	70	130
1,1-Dichloroethene	1	25.4473	0	20	127	70	130
Methyl Acetate	1	24.2974	0	20	121	50	150
Methyl-t-butyl ether	1	23.3184	0	20	117	70	130
1,1-Dichloroethane	1	24.4049	0	20	122	70	130
trans-1,2-Dichloroethene	1	23.8124	0	20	119	70	130
Ethyl-t-butyl ether	1	24.9303	0	20	125	70	130
cis-1,2-Dichloroethene	1	25.7364	0	20	129	70	130
Bromochloromethane	1	27.463	0	20	137*	70	130
2,2-Dichloropropane	1	24.7102	0	20	124	70	130
Ethyl acetate	1	25.5662	0	20	128	50	150
1,4-Dioxane	1	1199.151	0	1000	120	50	150
1,1-Dichloropropene	1	24.1049	0	20	121	70	130
Chloroform	1	25.0583	0	20	125	70	130
Cyclohexane	1	25.8434	0	20	129	70	130
1,2-Dichloroethane	1	21.6432	0	20	108	70	130
2-Butanone	1	27.3302	0	20	137	50	150
1,1,1-Trichloroethane	1	22.9182	0	20	115	70	130
Carbon Tetrachloride	1	23.3414	0	20	117	50	150
Vinyl Acetate	1	26.3796	0	20	132	50	150
Bromodichloromethane	1	22.9193	0	20	115	70	130
Methylcyclohexane	1	24.532	0	20	123	70	130
Dibromomethane	1	23.7025	0	20	119	70	130
1,2-Dichloropropane	1	25.3928	0	20	127	70	130
Trichloroethene	1	23.3394	0	20	117	70	130
Benzene	1	23.6856	0	20	118	70	130
tert-Amyl methyl ether	1	22.8314	0	20	114	70	130
Iso-propylacetate	1	22.6613	0	20	113	70	130
Methyl methacrylate	1	24.489	0	20	122	70	130
Dibromochloromethane	1	20.9902	0	20	105	70	130
2-Chloroethylvinylether	1	17.9859	0	20	90	70	130
cis-1,3-Dichloropropene	1	21.8068	0	20	109	70	130
trans-1,3-Dichloropropene	1	21.0671	0	20	105	70	130
Ethyl methacrylate	1	23.2419	0	20	116	70	130
1,1,2-Trichloroethane	1	21.8221	0	20	109	70	130
1,2-Dibromoethane	1	21.0646	0	20	105	70	130
1,3-Dichloropropane	1	21.2245	0	20	106	70	130
4-Methyl-2-Pentanone	1	22.7449	0	20	114	50	150
2-Hexanone	1	23.6758	0	20	118	50	150
Tetrachloroethene	1	21.5174	0	20	108	50	150
Toluene	1	22.0924	0	20	110	70	130
1,1,1,2-Tetrachloroethane	1	21.3767	0	20	107	70	130
Chlorobenzene	1	21.8901	0	20	109	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: MBS101592

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	24.6614	0	20	123	70	130
n-Amyl acetate	1	25.5126	0	20	128	70	130
Bromoform	**1**	**20.9645**	**0**	**20**	**105**	**70**	**130**
Ethylbenzene	**1**	**21.0018**	**0**	**20**	**105**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**22.1549**	**0**	**20**	**111**	**70**	**130**
Styrene	**1**	**22.5799**	**0**	**20**	**113**	**70**	**130**
m&p-Xylenes	**1**	**45.9864**	**0**	**40**	**115**	**70**	**130**
o-Xylene	**1**	**22.3375**	**0**	**20**	**112**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	20.7395	0	20	104	50	150
1,3-Dichlorobenzene	**1**	**19.5219**	**0**	**20**	**98**	**70**	**130**
1,4-Dichlorobenzene	**1**	**19.8809**	**0**	**20**	**99**	**70**	**130**
1,2-Dichlorobenzene	**1**	**19.7768**	**0**	**20**	**99**	**70**	**130**
Isopropylbenzene	**1**	**23.8907**	**0**	**20**	**119**	**70**	**130**
Cyclohexanone	1	121.4825	0	100	121	50	150
Camphene	1	21.0229	0	20	105	70	130
1,2,3-Trichloropropane	1	18.9314	0	20	95	70	130
2-Chlorotoluene	1	21.2322	0	20	106	70	130
p-Ethyltoluene	1	24.7958	0	20	124	70	130
4-Chlorotoluene	1	20.3311	0	20	102	70	130
n-Propylbenzene	1	22.3023	0	20	112	70	130
Bromobenzene	1	23.4505	0	20	117	70	130
1,3,5-Trimethylbenzene	1	21.7413	0	20	109	70	130
Butyl methacrylate	1	23.3017	0	20	117	70	130
t-Butylbenzene	1	22.2886	0	20	111	70	130
1,2,4-Trimethylbenzene	1	23.8714	0	20	119	70	130
sec-Butylbenzene	1	23.1079	0	20	116	70	130
4-Isopropyltoluene	1	21.7032	0	20	109	70	130
n-Butylbenzene	1	21.9069	0	20	110	70	130
p-Diethylbenzene	1	21.5158	0	20	108	70	130
1,2,4,5-Tetramethylbenzene	1	20.9659	0	20	105	70	130
1,2-Dibromo-3-Chloropropane	**1**	**16.7689**	**0**	**20**	**84**	**50**	**150**
Camphor	1	203.1027	0	200	102	20	150
Hexachlorobutadiene	1	20.1119	0	20	101	50	150
1,2,4-Trichlorobenzene	**1**	**19.6694**	**0**	**20**	**98**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**21.1799**	**0**	**20**	**106**	**70**	**130**
Naphthalene	1	22.6882	0	20	113	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

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 1M161737.D
Acq On : 05/16/22 18:38

Operator : jm
Sam Mult : 1 Vial# : 24
Misc : A,5ML

Qt Meth : 1M_A0421.M
Qt On : 05/17/22 08:20
Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.151	96	1436421	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	1158524	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.183	152	585156	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.724	111	399117	31.17	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.90%			
39) 1,2-Dichloroethane-d4	4.949	67	211978	30.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.83%			
66) Toluene-d8	6.058	98	1487258	28.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.70%			
76) Bromofluorobenzene	7.521	174	477698	29.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.07%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.669	51	257882m	19.5972	ug/l	
6) Dichlorodifluoromethane	1.660	85	268101m	31.5233	ug/l	
7) Chloromethane	1.830	50	227402	28.1714	ug/l	94
8) Bromomethane	2.203	94	112725	13.7599	ug/l	98
9) Vinyl Chloride	1.920	62	292023	29.2994	ug/l	96
10) Chloroethane	2.287	64	192577	26.5729	ug/l	97
11) Trichlorofluoromethane	2.505	101	467892	24.9545	ug/l	89
12) Ethyl ether	2.737	59	172699	19.4869	ug/l	85
13) Furan	2.775	39	352521	20.3268	ug/l	84
14) 1,1,2-Trichloro-1,2,2-...	2.933	101	234594m	26.2232	ug/l	
15) Methylene Chloride	3.344	84	231866	23.9872	ug/l	81
16) Acrolein	2.843	56	194410	111.0094	ug/l	89
17) Acrylonitrile	3.541	53	93927	25.6775	ug/l	99
18) Iodomethane	3.084	142	158123	13.0230	ug/l	98
19) Acetone	2.971	43	311920	118.6063	ug/l	87
20) Carbon Disulfide	3.155	76	529059	21.7562	ug/l	100
21) t-Butyl Alcohol	3.402	59	115523	121.9111	ug/l	66
22) n-Hexane	3.811	57	243935	27.6395	ug/l	98
23) Di-isopropyl-ether	3.981	45	730239	25.7880	ug/l	90
24) 1,1-Dichloroethene	2.943	61	387828	25.4473	ug/l	96
25) Methyl Acetate	3.242	43	172303	24.2974	ug/l	100
26) Methyl-t-butyl ether	3.573	73	647642	23.3184	ug/l	94
27) 1,1-Dichloroethane	3.942	63	444490	24.4049	ug/l	95
28) trans-1,2-Dichloroethene	3.582	96	244423	23.8124	ug/l	91
29) Ethyl-t-butyl ether	4.274	59	700884	24.9303	ug/l	94
30) cis-1,2-Dichloroethene	4.402	61	441937	25.7364	ug/l	99
31) Bromochloromethane	4.569	49	222148	27.4630	ug/l	79
32) 2,2-Dichloropropane	4.409	77	400580	24.7102	ug/l	96
33) Ethyl acetate	4.434	43	231321	25.5662	ug/l	98
34) 1,4-Dioxane	5.573	88	118814	1199.1505	ug/l	98
35) 1,1-Dichloropropene	4.859	75	325614	24.1049	ug/l	97
36) Chloroform	4.614	83	457680	25.0583	ug/l	97
38) Cyclohexane	4.801	56	323545	25.8434	ug/l	90
40) 1,2-Dichloroethane	4.994	62	340504	21.6432	ug/l	93
41) 2-Butanone	4.406	43	92313m	27.3302	ug/l	
42) 1,1,1-Trichloroethane	4.756	97	403565	22.9182	ug/l	93
43) Carbon Tetrachloride	4.865	117	348724	23.3414	ug/l	94
44) Vinyl Acetate	3.971	43	813112	26.3796	ug/l	100
45) Bromodichloromethane	5.647	83	297497	22.9193	ug/l	99
46) Methylcyclohexane	5.489	83	277187	24.5320	ug/l	98
47) Dibromomethane	5.573	174	162198	23.7025	ug/l	88
48) 1,2-Dichloropropane	5.502	63	240829	25.3928	ug/l	99
49) Trichloroethene	5.367	130	250264	23.3394	ug/l	97
50) Benzene	4.991	78	889591	23.6856	ug/l	100
51) tert-Amyl methyl ether	5.039	73	574645	22.8314	ug/l	96
53) Iso-propylacetate	4.997	43	443246	22.6613	ug/l	94
54) Methyl methacrylate	5.537	41	192776	24.4890	ug/l	79
55) Dibromochloromethane	6.544	129	211520	20.9902	ug/l	91
56) 2-Chloroethylvinylether	5.801	63	27109	17.9859	ug/l	93
57) cis-1,3-Dichloropropene	5.897	75	355512	21.8068	ug/l	100
58) trans-1,3-Dichloropropene	6.200	75	319290	21.0671	ug/l	94
59) Ethyl methacrylate	6.232	41	207078	23.2419	ug/l	76
60) 1,1,2-Trichloroethane	6.312	97	202211	21.8221	ug/l	94
61) 1,2-Dibromoethane	6.621	107	205924	21.0646	ug/l	92
62) 1,3-Dichloropropane	6.409	76	341773	21.2245	ug/l	98
63) 4-Methyl-2-Pentanone	5.971	43	201712	22.7449	ug/l	94
64) 2-Hexanone	6.431	43	139342	23.6758	ug/l	88
65) Tetrachloroethene	6.405	164	195995	21.5174	ug/l	99
67) Toluene	6.097	92	571563	22.0924	ug/l	83

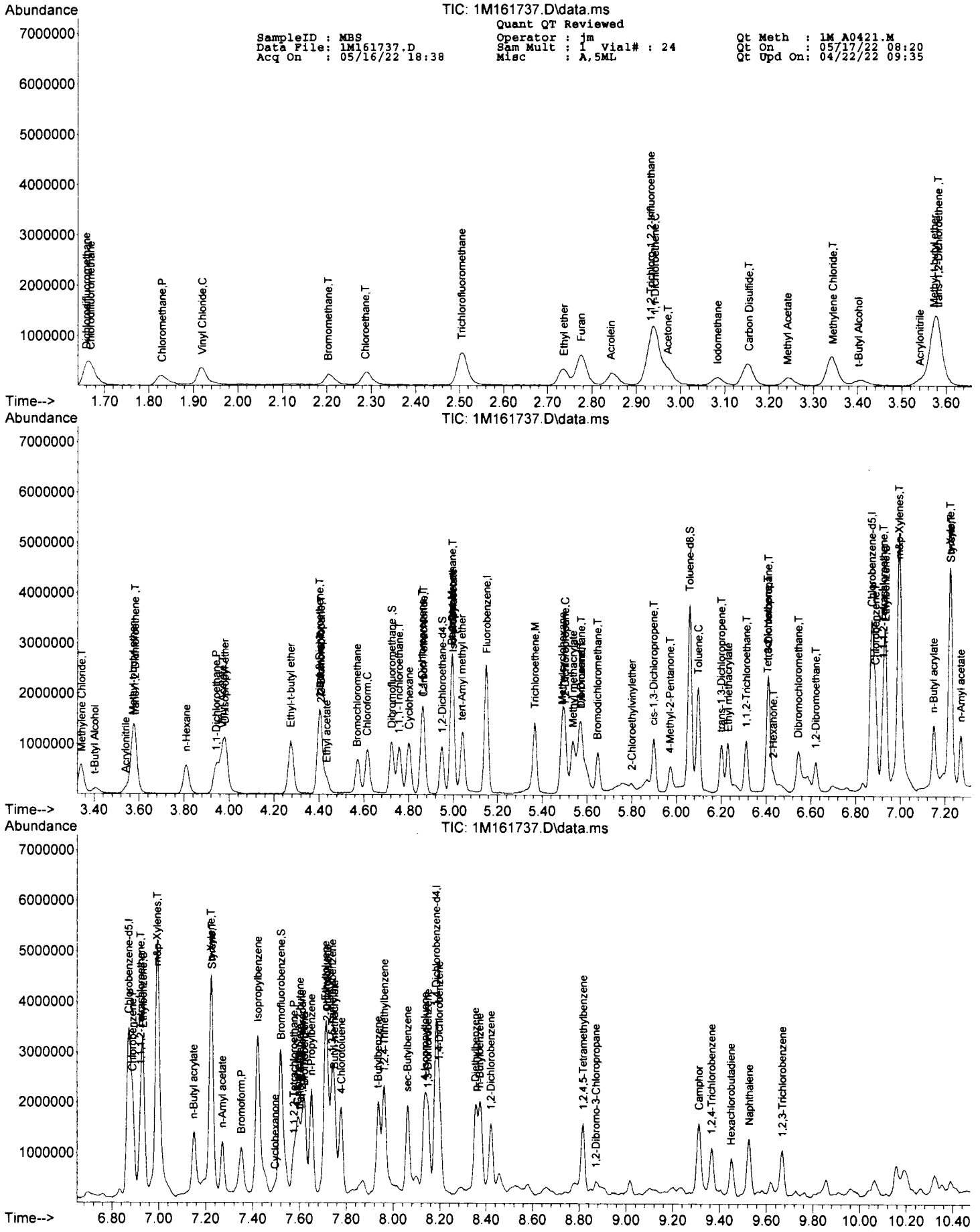
Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 1M161737.D
Acq On : 05/16/22 18:38
Operator : jm
Sam Mult : 1 Vial# : 24
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 05/17/22 08:20
Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.923	133	208940	21.3767	ug/l	91
69)	Chlorobenzene	6.888	112	612324	21.8901	ug/l	98
71)	n-Butyl acrylate	7.148	55	446779	24.6614	ug/l	90
72)	n-Amyl acetate	7.270	43	400432	25.5126	ug/l	88
73)	Bromoform	7.351	173	148173	20.9645	ug/l	100
74)	Ethylbenzene	6.933	106	297220	21.0018	ug/l	95
75)	1,1,2,2-Tetrachloroethane	7.576	83	271516m	22.1549	ug/l	
77)	Styrene	7.225	104	677419	22.5799	ug/l	98
78)	m&p-Xylenes	6.994	106	832255	45.9864	ug/l	94
79)	o-Xylene	7.222	106	417682	22.3375	ug/l	94
80)	trans-1,4-Dichloro-2-b...	7.602	53	113091	20.7395	ug/l	91
81)	1,3-Dichlorobenzene	8.148	146	394129	19.5219	ug/l	97
82)	1,4-Dichlorobenzene	8.196	146	428587	19.8809	ug/l	98
83)	1,2-Dichlorobenzene	8.421	146	385135	19.7768	ug/l	96
84)	Isopropylbenzene	7.421	105	1014526	23.8907	ug/l	97
85)	Cyclohexanone	7.495	55	46570m	121.4825	ug/l	
86)	Camphene	7.592	93	248228	21.0229	ug/l	96
87)	1,2,3-Trichloropropane	7.611	75	300486	18.9314	ug/l	98
88)	2-Chlorotoluene	7.717	91	591289	21.2322	ug/l	93
89)	p-Ethyltoluene	7.711	105	1046478	24.7958	ug/l	94
90)	4-Chlorotoluene	7.778	91	592596	20.3311	ug/l	96
91)	n-Propylbenzene	7.650	91	1122340	22.3023	ug/l	98
92)	Bromobenzene	7.621	77	589515m	23.4505	ug/l	
93)	1,3,5-Trimethylbenzene	7.740	105	710401	21.7413	ug/l	99
94)	Butyl methacrylate	7.749	41	291433	23.3017	ug/l	64
95)	t-Butylbenzene	7.936	119	697692	22.2886	ug/l	99
96)	1,2,4-Trimethylbenzene	7.962	105	795744	23.8714	ug/l	98
97)	sec-Butylbenzene	8.061	105	846191	23.1079	ug/l	96
98)	4-Isopropyltoluene	8.135	119	676824	21.7032	ug/l	97
99)	n-Butylbenzene	8.373	91	732412	21.9069	ug/l	97
100)	p-Diethylbenzene	8.354	119	410871	21.5158	ug/l	93
101)	1,2,4,5-Tetramethylben...	8.817	119	525020	20.9659	ug/l	99
102)	1,2-Dibromo-3-Chloropr...	8.872	157	42881	16.7689	ug/l	95
103)	Camphor	9.312	95	227988	203.1027	ug/l	96
104)	Hexachlorobutadiene	9.450	225	93388	20.1119	ug/l	97
105)	1,2,4-Trichlorobenzene	9.367	180	201488	19.6694	ug/l	95
106)	1,2,3-Trichlorobenzene	9.669	180	183175	21.1799	ug/l	98
107)	Naphthalene	9.527	128	588304	22.6882	ug/l	98

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


Abundance
TIC: 1M161737.D\data.ms
Quant QT Reviewed
SampleID : MBS
Data File: 1M161737.D
Acq On : 05/16/22 18:38
Operator : jm
Sam Mult : 1 Vial# : 24
Misc : A,5ML
Qt Meth : 1M_A0421.M
Qt On : 05/17/22 08:20
Qt Upd On: 04/22/22 09:35
Time-->

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101578

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161687.D	AD30683-007(MS)	5/13/2022 9:27:00 PM
Non Spike(If applicable):	1M161571.D	AD30683-007	5/12/2022 12:06:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	5.8373	0	20	29*	50	150
Dichlorodifluoromethane	1	26.5809	0	20	133	50	150
Chloromethane	1	26.0831	0	20	130	50	150
Bromomethane	1	16.0433	0	20	80	50	150
Vinyl Chloride	1	24.4402	0	20	122	50	150
Chloroethane	1	22.0368	0	20	110	50	150
Trichlorofluoromethane	1	19.3091	0	20	97	50	150
Ethyl ether	1	16.1975	0	20	81	50	150
Furan	1	16.5735	0	20	83	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	20.5914	0	20	103	50	150
Methylene Chloride	1	20.4577	0	20	102	70	130
Acrolein	1	99.458	0	100	99	50	150
Acrylonitrile	1	19.4877	0	20	97	50	150
Iodomethane	1	11.8269	0	20	59	50	150
Acetone	1	108.1911	0	100	108	50	150
Carbon Disulfide	1	17.7461	0	20	89	50	150
t-Butyl Alcohol	1	111.0363	0	100	111	50	150
n-Hexane	1	23.1356	0	20	116	70	130
Di-isopropyl-ether	1	20.866	0	20	104	70	130
1,1-Dichloroethene	1	20.2789	0	20	101	70	130
Methyl Acetate	1	21.4644	0	20	107	50	150
Methyl-t-butyl ether	1	18.1286	0	20	91	70	130
1,1-Dichloroethane	1	20.4478	0	20	102	70	130
trans-1,2-Dichloroethene	1	19.4544	0	20	97	70	130
Ethyl-t-butyl ether	1	19.8352	0	20	99	70	130
cis-1,2-Dichloroethene	1	21.5544	0	20	108	70	130
Bromochloromethane	1	21.2773	0	20	106	70	130
2,2-Dichloropropane	1	20.4885	0	20	102	70	130
Ethyl acetate	1	21.195	0	20	106	50	150
1,4-Dioxane	1	1001.241	0	1000	100	50	150
1,1-Dichloropropene	1	19.1922	0	20	96	70	130
Chloroform	1	18.7959	0	20	94	70	130
Cyclohexane	1	19.6212	0	20	98	70	130
1,2-Dichloroethane	1	17.3751	0	20	87	70	130
2-Butanone	1	30.5358	0	20	153*	50	150
1,1,1-Trichloroethane	1	18.1338	0	20	91	70	130
Carbon Tetrachloride	1	17.8728	0	20	89	50	150
Vinyl Acetate	1	22.3458	0	20	112	50	150
Bromodichloromethane	1	18.7286	0	20	94	70	130
Methylcyclohexane	1	18.0105	0	20	90	70	130
Dibromomethane	1	18.8462	0	20	94	70	130
1,2-Dichloropropane	1	20.0565	0	20	100	70	130
Trichloroethene	1	18.5621	0	20	93	70	130
Benzene	1	19.3857	0	20	97	70	130
tert-Amyl methyl ether	1	18.1514	0	20	91	70	130
Iso-propylacetate	1	18.2249	0	20	91	70	130
Methyl methacrylate	1	18.0803	0	20	90	70	130
Dibromochloromethane	1	16.2185	0	20	81	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	16.3118	0	20	82	70	130
trans-1,3-Dichloropropene	1	16.5396	0	20	83	70	130
Ethyl methacrylate	1	18.6786	0	20	93	70	130
1,1,2-Trichloroethane	1	17.916	0	20	90	70	130
1,2-Dibromoethane	1	16.3079	0	20	82	70	130
1,3-Dichloropropane	1	17.2806	0	20	86	70	130
4-Methyl-2-Pentanone	1	18.4025	0	20	92	50	150
2-Hexanone	1	19.7765	0	20	99	50	150
Tetrachloroethene	1	18.2456	0	20	91	50	150
Toluene	1	17.9645	0	20	90	70	130
1,1,1,2-Tetrachloroethane	1	16.7595	0	20	84	70	130
Chlorobenzene	1	17.8605	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: MBS101578

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	17.1217	0	20	86	70	130
n-Amyl acetate	1	18.3062	0	20	92	70	130
Bromoform	**1**	**15.0376**	**0**	**20**	**75**	**70**	**130**
Ethylbenzene	**1**	**16.4305**	**0**	**20**	**82**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**17.1394**	**0**	**20**	**86**	**70**	**130**
Styrene	**1**	**16.7658**	**0**	**20**	**84**	**70**	**130**
m&p-Xylenes	**1**	**34.2396**	**0**	**40**	**86**	**70**	**130**
o-Xylene	**1**	**16.926**	**0**	**20**	**85**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	14.4683	0	20	72	50	150
1,3-Dichlorobenzene	**1**	**15.797**	**0**	**20**	**79**	**70**	**130**
1,4-Dichlorobenzene	**1**	**15.4182**	**0**	**20**	**77**	**70**	**130**
1,2-Dichlorobenzene	**1**	**15.4658**	**0**	**20**	**77**	**70**	**130**
Isopropylbenzene	**1**	**17.2324**	**0**	**20**	**86**	**70**	**130**
Cyclohexanone	1	68.9978	0	100	69	50	150
Camphene	1	8.6236	0	20	43*	70	130
1,2,3-Trichloropropane	1	16.3502	0	20	82	70	130
2-Chlorotoluene	1	16.7221	0	20	84	70	130
p-Ethyltoluene	1	16.4157	0	20	82	70	130
4-Chlorotoluene	1	16.0073	0	20	80	70	130
n-Propylbenzene	1	16.6495	0	20	83	70	130
Bromobenzene	1	15.6458	0	20	78	70	130
1,3,5-Trimethylbenzene	1	16.6393	0	20	83	70	130
Butyl methacrylate	1	16.1305	0	20	81	70	130
t-Butylbenzene	1	15.6315	0	20	78	70	130
1,2,4-Trimethylbenzene	1	16.3081	0	20	82	70	130
sec-Butylbenzene	1	16.6933	0	20	83	70	130
4-Isopropyltoluene	1	16.1434	0	20	81	70	130
n-Butylbenzene	1	16.3703	0	20	82	70	130
p-Diethylbenzene	1	13.6362	0	20	68*	70	130
1,2,4,5-Tetramethylbenzene	1	12.9473	0	20	65*	70	130
1,2-Dibromo-3-Chloropropane	**1**	**14.7269**	**0**	**20**	**74**	**50**	**150**
Camphor	1	136.5638	0	200	68	20	150
Hexachlorobutadiene	1	15.8483	0	20	79	50	150
1,2,4-Trichlorobenzene	**1**	**15.5419**	**0**	**20**	**78**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**16.4782**	**0**	**20**	**82**	**70**	**130**
Naphthalene	1	16.1026	0	20	81	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: MBS101578

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161688.D	AD30683-007(MSD)	5/13/2022 9:46:00 PM
Non Spike(If applicable):	1M161571.D	AD30683-007	5/12/2022 12:06:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	6.832	0	20	34*	50	150
Dichlorodifluoromethane	**1**	**31.7297**	**0**	**20**	**159***	**50**	**150**
Chloromethane	**1**	**31.8945**	**0**	**20**	**159***	**50**	**150**
Bromomethane	**1**	**20.2154**	**0**	**20**	**101**	**50**	**150**
Vinyl Chloride	**1**	**30.2185**	**0**	**20**	**151***	**50**	**150**
Chloroethane	**1**	**27.5258**	**0**	**20**	**138**	**50**	**150**
Trichlorofluoromethane	**1**	**24.7203**	**0**	**20**	**124**	**50**	**150**
Ethyl ether	1	20.1679	0	20	101	50	150
Furan	1	20.8475	0	20	104	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**25.2609**	**0**	**20**	**126**	**50**	**150**
Methylene Chloride	**1**	**24.5108**	**0**	**20**	**123**	**70**	**130**
Acrolein	1	122.8301	0	100	123	50	150
Acrylonitrile	1	26.4709	0	20	132	50	150
Iodomethane	1	15.1787	0	20	76	50	150
Acetone	**1**	**121.7225**	**0**	**100**	**122**	**50**	**150**
Carbon Disulfide	**1**	**22.2442**	**0**	**20**	**111**	**50**	**150**
t-Butyl Alcohol	1	117.5949	0	100	118	50	150
n-Hexane	1	29.0718	0	20	145*	70	130
Di-isopropyl-ether	1	25.9247	0	20	130	70	130
1,1-Dichloroethene	**1**	**25.0723**	**0**	**20**	**125**	**70**	**130**
Methyl Acetate	**1**	**25.2232**	**0**	**20**	**126**	**50**	**150**
Methyl-t-butyl ether	**1**	**22.7791**	**0**	**20**	**114**	**70**	**130**
1,1-Dichloroethane	**1**	**25.7877**	**0**	**20**	**129**	**70**	**130**
trans-1,2-Dichloroethene	**1**	**24.2105**	**0**	**20**	**121**	**70**	**130**
Ethyl-t-butyl ether	1	23.0437	0	20	115	70	130
cis-1,2-Dichloroethene	**1**	**23.6502**	**0**	**20**	**118**	**70**	**130**
Bromochloromethane	**1**	**27.1512**	**0**	**20**	**136***	**70**	**130**
2,2-Dichloropropane	1	23.1843	0	20	116	70	130
Ethyl acetate	1	22.7234	0	20	114	50	150
1,4-Dioxane	**1**	**951.811**	**0**	**1000**	**95**	**50**	**150**
1,1-Dichloropropene	1	23.747	0	20	119	70	130
Chloroform	**1**	**22.9291**	**0**	**20**	**115**	**70**	**130**
Cyclohexane	**1**	**24.469**	**0**	**20**	**122**	**70**	**130**
1,2-Dichloroethane	**1**	**21.8197**	**0**	**20**	**109**	**70**	**130**
2-Butanone	**1**	**27.5436**	**0**	**20**	**138**	**50**	**150**
1,1,1-Trichloroethane	**1**	**22.4445**	**0**	**20**	**112**	**70**	**130**
Carbon Tetrachloride	**1**	**22.1176**	**0**	**20**	**111**	**50**	**150**
Vinyl Acetate	1	27.3914	0	20	137	50	150
Bromodichloromethane	**1**	**22.6057**	**0**	**20**	**113**	**70**	**130**
Methylcyclohexane	**1**	**22.439**	**0**	**20**	**112**	**70**	**130**
Dibromomethane	1	22.732	0	20	114	70	130
1,2-Dichloropropane	**1**	**25.0402**	**0**	**20**	**125**	**70**	**130**
Trichloroethene	**1**	**21.7317**	**0**	**20**	**109**	**70**	**130**
Benzene	**1**	**24.2784**	**0**	**20**	**121**	**70**	**130**
tert-Amyl methyl ether	1	22.5422	0	20	113	70	130
Iso-propylacetate	1	23.0682	0	20	115	70	130
Methyl methacrylate	1	22.398	0	20	112	70	130
Dibromochloromethane	**1**	**20.2174**	**0**	**20**	**101**	**70**	**130**
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	**1**	**21.2128**	**0**	**20**	**106**	**70**	**130**
trans-1,3-Dichloropropene	**1**	**21.2425**	**0**	**20**	**106**	**70**	**130**
Ethyl methacrylate	1	23.0802	0	20	115	70	130
1,1,2-Trichloroethane	**1**	**22.236**	**0**	**20**	**111**	**70**	**130**
1,2-Dibromoethane	**1**	**21.1879**	**0**	**20**	**106**	**70**	**130**
1,3-Dichloropropane	1	22.7236	0	20	114	70	130
4-Methyl-2-Pentanone	**1**	**23.7475**	**0**	**20**	**119**	**50**	**150**
2-Hexanone	**1**	**24.0906**	**0**	**20**	**120**	**50**	**150**
Tetrachloroethene	**1**	**22.9372**	**0**	**20**	**115**	**50**	**150**
Toluene	**1**	**22.5426**	**0**	**20**	**113**	**70**	**130**
1,1,1,2-Tetrachloroethane	1	20.9034	0	20	105	70	130
Chlorobenzene	**1**	**22.1169**	**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: MBS101578

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	21.2787	0	20	106	70	130
n-Amyl acetate	1	22.7624	0	20	114	70	130
Bromoform	**1**	**19.0063**	**0**	**20**	**95**	**70**	**130**
Ethylbenzene	**1**	**18.8284**	**0**	**20**	**94**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**20.5184**	**0**	**20**	**103**	**70**	**130**
Styrene	**1**	**20.7936**	**0**	**20**	**104**	**70**	**130**
m&p-Xylenes	**1**	**41.6885**	**0**	**40**	**104**	**70**	**130**
o-Xylene	**1**	**20.6543**	**0**	**20**	**103**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	16.5206	0	20	83	50	150
1,3-Dichlorobenzene	**1**	**19.7081**	**0**	**20**	**99**	**70**	**130**
1,4-Dichlorobenzene	**1**	**19.6401**	**0**	**20**	**98**	**70**	**130**
1,2-Dichlorobenzene	**1**	**18.4925**	**0**	**20**	**92**	**70**	**130**
Isopropylbenzene	**1**	**21.0908**	**0**	**20**	**105**	**70**	**130**
Cyclohexanone	1	81.3219	0	100	81	50	150
Camphene	1	7.7063	0	20	39*	70	130
1,2,3-Trichloropropane	1	19.3726	0	20	97	70	130
2-Chlorotoluene	1	21.0507	0	20	105	70	130
p-Ethyltoluene	1	19.5785	0	20	98	70	130
4-Chlorotoluene	1	19.458	0	20	97	70	130
n-Propylbenzene	1	20.6319	0	20	103	70	130
Bromobenzene	1	21.0781	0	20	105	70	130
1,3,5-Trimethylbenzene	1	20.3457	0	20	102	70	130
Butyl methacrylate	1	20.8602	0	20	104	70	130
t-Butylbenzene	1	19.6482	0	20	98	70	130
1,2,4-Trimethylbenzene	1	20.2425	0	20	101	70	130
sec-Butylbenzene	1	20.2988	0	20	101	70	130
4-Isopropyltoluene	1	20.1087	0	20	101	70	130
n-Butylbenzene	1	19.9898	0	20	100	70	130
p-Diethylbenzene	1	17.1991	0	20	86	70	130
1,2,4,5-Tetramethylbenzene	1	16.2359	0	20	81	70	130
1,2-Dibromo-3-Chloropropane	**1**	**17.7726**	**0**	**20**	**89**	**50**	**150**
Camphor	1	157.4214	0	200	79	20	150
Hexachlorobutadiene	1	20.0093	0	20	100	50	150
1,2,4-Trichlorobenzene	**1**	**19.215**	**0**	**20**	**96**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**20.722**	**0**	**20**	**104**	**70**	**130**
Naphthalene	1	19.9418	0	20	100	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: MBS101578

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161688.D	AD30683-007(MSD)	5/13/2022 9:46:00 PM
Duplicate(If applicable):	1M161687 D	AD30683-007(MS)	5/13/2022 9:27:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	6.832	5.8373	16	30
Dichlorodifluoromethane	**1**	**31.7297**	**26.5809**	**18**	**30**
Chloromethane	**1**	**31.8945**	**26.0831**	**20**	**30**
Bromomethane	**1**	**20.2154**	**16.0433**	**23**	**30**
Vinyl Chloride	**1**	**30.2185**	**24.4402**	**21**	**40**
Chloroethane	**1**	**27.5258**	**22.0368**	**22**	**30**
Trichlorofluoromethane	**1**	**24.7203**	**19.3091**	**25**	**30**
Ethyl ether	1	20.1679	16.1975	22	30
Furan	1	20.8475	16.5735	23	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**25.2609**	**20.5914**	**20**	**30**
Methylene Chloride	**1**	**24.5108**	**20.4577**	**18**	**30**
Acrolein	1	122.8301	99.458	21	30
Acrylonitrile	1	26.4709	19.4877	30	30
Iodomethane	1	15.1787	11.8269	25	30
Acetone	**1**	**121.7225**	**108.1911**	**12**	**30**
Carbon Disulfide	**1**	**22.2442**	**17.7461**	**22**	**30**
t-Butyl Alcohol	1	117.5949	111.0363	5.7	30
n-Hexane	1	29.0718	23.1356	23	30
Di-isopropyl-ether	1	25.9247	20.866	22	30
1,1-Dichloroethene	**1**	**25.0723**	**20.2789**	**21**	**40**
Methyl Acetate	**1**	**25.2232**	**21.4644**	**16**	**30**
Methyl-t-butyl ether	**1**	**22.7791**	**18.1286**	**23**	**30**
1,1-Dichloroethane	**1**	**25.7877**	**20.4478**	**23**	**40**
trans-1,2-Dichloroethene	**1**	**24.2105**	**19.4544**	**22**	**30**
Ethyl-t-butyl ether	1	23.0437	19.8352	15	30
cis-1,2-Dichloroethene	**1**	**23.6502**	**21.5544**	**9.3**	**30**
Bromochloromethane	**1**	**27.1512**	**21.2773**	**24**	**30**
2,2-Dichloropropane	1	23.1843	20.4885	12	30
Ethyl acetate	1	22.7234	21.195	7	30
1,4-Dioxane	**1**	**951.811**	**1001.241**	**5.1**	**30**
1,1-Dichloropropene	1	23.747	19.1922	21	30
Chloroform	**1**	**22.9291**	**18.7959**	**20**	**40**
Cyclohexane	**1**	**24.469**	**19.6212**	**22**	**30**
1,2-Dichloroethane	**1**	**21.8197**	**17.3751**	**23**	**40**
2-Butanone	**1**	**27.5436**	**30.5358**	**10**	**40**
1,1,1-Trichloroethane	**1**	**22.4445**	**18.1338**	**21**	**30**
Carbon Tetrachloride	**1**	**22.1176**	**17.8728**	**21**	**40**
Vinyl Acetate	1	27.3914	22.3458	20	30
Bromodichloromethane	**1**	**22.6057**	**18.7286**	**19**	**30**
Methylcyclohexane	**1**	**22.439**	**18.0105**	**22**	**30**
Dibromomethane	1	22.732	18.8462	19	30
1,2-Dichloropropane	**1**	**25.0402**	**20.0565**	**22**	**30**
Trichloroethene	**1**	**21.7317**	**18.5621**	**16**	**40**
Benzene	**1**	**24.2784**	**19.3857**	**22**	**40**
tert-Amyl methyl ether	1	22.5422	18.1514	22	30
Iso-propylacetate	1	23.0682	18.2249	23	30
Methyl methacrylate	1	22.398	18.0803	21	30
Dibromochloromethane	**1**	**20.2174**	**16.2185**	**22**	**30**
2-Chloroethylvinylether	1	0	0	NA	30
cis-1,3-Dichloropropene	**1**	**21.2128**	**16.3118**	**26**	**30**
trans-1,3-Dichloropropene	**1**	**21.2425**	**16.5396**	**25**	**30**
Ethyl methacrylate	1	23.0802	18.6786	21	30
1,1,2-Trichloroethane	**1**	**22.236**	**17.916**	**22**	**30**
1,2-Dibromoethane	**1**	**21.1879**	**16.3079**	**26**	**30**
1,3-Dichloropropane	1	22.7236	17.2806	27	30
4-Methyl-2-Pentanone	**1**	**23.7475**	**18.4025**	**25**	**30**
2-Hexanone	**1**	**24.0906**	**19.7765**	**20**	**30**
Tetrachloroethene	**1**	**22.9372**	**18.2456**	**23**	**40**
Toluene	**1**	**22.5426**	**17.9645**	**23**	**40**
1,1,1,2-Tetrachloroethane	1	20.9034	16.7595	22	30
Chlorobenzene	**1**	**22.1169**	**17.8605**	**21**	**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: MBS101578

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	21.2787	17.1217	22	30
n-Amyl acetate	1	22.7624	18.3062	22	30
Bromoform	**1**	**19.0063**	**15.0376**	**23**	**30**
Ethylbenzene	**1**	**18.8284**	**16.4305**	**14**	**30**
1,1,2,2-Tetrachloroethane	**1**	**20.5184**	**17.1394**	**18**	**30**
Styrene	**1**	**20.7936**	**16.7658**	**21**	**30**
m&p-Xylenes	**1**	**41.6885**	**34.2396**	**20**	**30**
o-Xylene	**1**	**20.6543**	**16.926**	**20**	**30**
trans-1,4-Dichloro-2-butene	1	16.5206	14.4683	13	30
1,3-Dichlorobenzene	**1**	**19.7081**	**15.797**	**22**	**30**
1,4-Dichlorobenzene	**1**	**19.6401**	**15.4182**	**24**	**40**
1,2-Dichlorobenzene	**1**	**18.4925**	**15.4658**	**18**	**40**
Isopropylbenzene	**1**	**21.0908**	**17.2324**	**20**	**30**
Cyclohexanone	1	81.3219	68.9978	16	30
Camphene	1	7.7063	8.6236	11	30
1,2,3-Trichloropropane	1	19.3726	16.3502	17	30
2-Chlorotoluene	1	21.0507	16.7221	23	30
p-Ethyltoluene	1	19.5785	16.4157	18	30
4-Chlorotoluene	1	19.458	16.0073	19	30
n-Propylbenzene	1	20.6319	16.6495	21	40
Bromobenzene	1	21.0781	15.6458	30	30
1,3,5-Trimethylbenzene	1	20.3457	16.6393	20	30
Butyl methacrylate	1	20.8602	16.1305	26	30
t-Butylbenzene	1	19.6482	15.6315	23	30
1,2,4-Trimethylbenzene	1	20.2425	16.3081	22	30
sec-Butylbenzene	1	20.2988	16.6933	19	40
4-Isopropyltoluene	1	20.1087	16.1434	22	30
n-Butylbenzene	1	19.9898	16.3703	20	30
p-Diethylbenzene	1	17.1991	13.6362	23	30
1,2,4,5-Tetramethylbenzene	1	16.2359	12.9473	23	30
1,2-Dibromo-3-Chloropropane	**1**	**17.7726**	**14.7269**	**19**	**30**
Camphor	1	157.4214	136.5638	14	30
Hexachlorobutadiene	1	20.0093	15.8483	23	30
1,2,4-Trichlorobenzene	**1**	**19.215**	**15.5419**	**21**	**30**
1,2,3-Trichlorobenzene	**1**	**20.722**	**16.4782**	**23**	**30**
Naphthalene	1	19.9418	16.1026	21	30

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

Bold and underline - Indicates the compounds reported on form1

Quantitation Report (QT Reviewed)

SampleID : AD30683-007 Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161571.D Sam Mult : 1 Vial# : 15 Qt On : 05/12/22 00:33
Acq On : 05/12/22 00:06 Misc : A,5ML!2 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-11-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.152	96	1323387	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	1019870	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.187	152	485477	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.724	111	361186	30.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.07%			
39) 1,2-Dichloroethane-d4	4.952	67	194968	30.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.67%			
66) Toluene-d8	6.058	98	1317365	28.89	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.30%			
76) Bromofluorobenzene	7.521	174	407318	30.54	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.80%			
Target Compounds						Qvalue

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

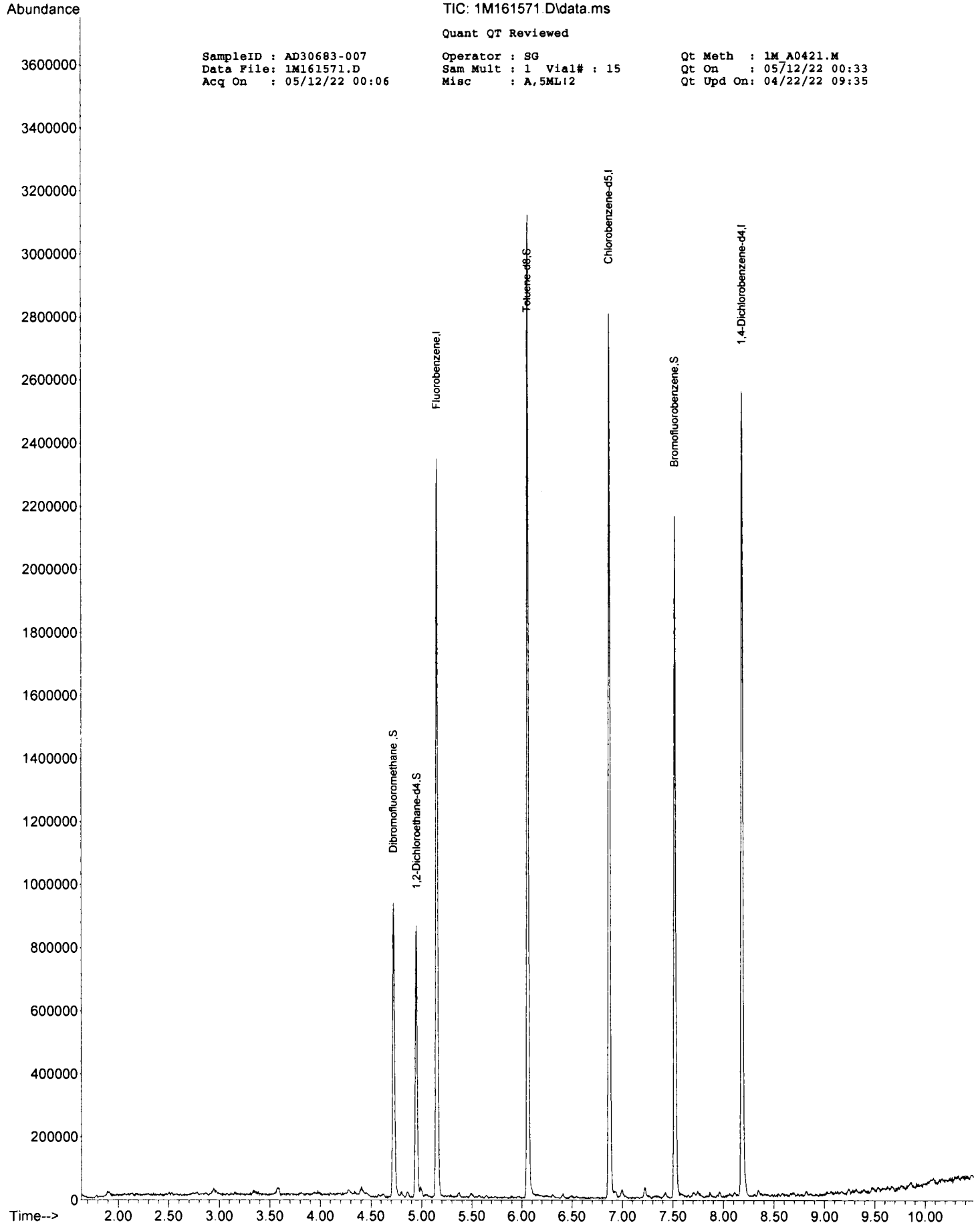
TIC: 1M161571.D\data.ms

Quant QT Reviewed

SampleID : AD30683-007
Data File: 1M161571.D
Acq On : 05/12/22 00:06

Operator : SG
Sam Mult : 1 Vial# : 15
Misc : A,5ML;2

Qt Meth : 1M_A0421.M
Qt On : 05/12/22 00:33
Qt Upd On: 04/22/22 09:35



Quantitation Report (QT Reviewed)

SampleID : AD30683-007(MS) Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161687.D Sam Mult : 1 Vial# : 19 Qt On : 05/13/22 22:00
Acq On : 05/13/22 21:27 Misc : A,5ML!1 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.152	96	1121773	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	901263	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.184	152	470930	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.724	111	317719	31.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.90%			
39) 1,2-Dichloroethane-d4	4.949	67	172936	32.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.43%			
66) Toluene-d8	6.058	98	1145325	28.42	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.73%			
76) Bromofluorobenzene	7.521	174	377861	29.21	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.37%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.673	51	60014m	5.8373	ug/l	
6) Dichlorodifluoromethane	1.660	85	176634	26.5809	ug/l	98
7) Chloromethane	1.830	50	164425	26.0831	ug/l	99
8) Bromomethane	2.210	94	102641	16.0433	ug/l	90
9) Vinyl Chloride	1.920	62	190233	24.4402	ug/l	97
10) Chloroethane	2.290	64	124720	22.0368	ug/l	99
11) Trichlorofluoromethane	2.505	101	282737	19.3091	ug/l	91
12) Ethyl ether	2.737	59	112103	16.1975	ug/l	85
13) Furan	2.779	39	224467	16.5735	ug/l	82
14) 1,1,2-Trichloro-1,2,2-...	2.936	101	143860m	20.5914	ug/l	
15) Methylene Chloride	3.345	84	154432	20.4577	ug/l	73
16) Acrolein	2.849	56	136026	99.4580	ug/l	93
17) Acrylonitrile	3.541	53	55670	19.4877	ug/l	93
18) Iodomethane	3.081	142	112113	11.8269	ug/l	90
19) Acetone	2.972	43	222203	108.1911	ug/l	95
20) Carbon Disulfide	3.152	76	337013	17.7461	ug/l	100
21) t-Butyl Alcohol	3.409	59	82170	111.0363	ug/l	82
22) n-Hexane	3.814	57	159459	23.1356	ug/l	99
23) Di-isopropyl-ether	3.984	45	461434	20.8660	ug/l	85
24) 1,1-Dichloroethene	2.943	61	241360	20.2789	ug/l	91
25) Methyl Acetate	3.242	43	118871	21.4644	ug/l	100
26) Methyl-t-butyl ether	3.576	73	393165	18.1286	ug/l	90
27) 1,1-Dichloroethane	3.946	63	290840	20.4478	ug/l	96
28) trans-1,2-Dichloroethene	3.579	96	155948	19.4544	ug/l	88
29) Ethyl-t-butyl ether	4.277	59	435490	19.8352	ug/l	93
30) cis-1,2-Dichloroethene	4.402	61	289049	21.5544	ug/l	87
31) Bromochloromethane	4.573	49	134411	21.2773	ug/l	83
32) 2,2-Dichloropropane	4.409	77	259386	20.4885	ug/l	95
33) Ethyl acetate	4.438	43	149763	21.1950	ug/l	93
34) 1,4-Dioxane	5.573	88	77474	1001.2414	ug/l	93
35) 1,1-Dichloropropene	4.859	75	202463	19.1922	ug/l	94
36) Chloroform	4.618	83	268100	18.7959	ug/l	98
38) Cyclohexane	4.801	56	191838	19.6212	ug/l	88
40) 1,2-Dichloroethane	4.994	62	213477	17.3751	ug/l	94
41) 2-Butanone	4.406	43	80680m	30.5358	ug/l	
42) 1,1,1-Trichloroethane	4.756	97	249370	18.1338	ug/l	100
43) Carbon Tetrachloride	4.865	117	208532	17.8728	ug/l	96
44) Vinyl Acetate	3.975	43	537901	22.3458	ug/l	100
45) Bromodichloromethane	5.650	83	189850	18.7286	ug/l	98
46) Methylcyclohexane	5.489	83	158924	18.0105	ug/l	94
47) Dibromomethane	5.573	174	100716	18.8462	ug/l	91
48) 1,2-Dichloropropane	5.499	63	148551	20.0565	ug/l	92
49) Trichloroethene	5.367	130	155439	18.5621	ug/l	95
50) Benzene	4.994	78	568607	19.3857	ug/l	100
51) tert-Amyl methyl ether	5.042	73	356779	18.1514	ug/l	95
53) Iso-propylacetate	4.997	43	277314	18.2249	ug/l	94
54) Methyl methacrylate	5.537	41	110722	18.0803	ug/l	83
55) Dibromochloromethane	6.544	129	127143	16.2185	ug/l	96
57) cis-1,3-Dichloropropene	5.901	75	206877	16.3118	ug/l	97
58) trans-1,3-Dichloropropene	6.203	75	195008	16.5396	ug/l	99
59) Ethyl methacrylate	6.229	41	129465	18.6786	ug/l	73
60) 1,1,2-Trichloroethane	6.312	97	129150	17.9160	ug/l	93
61) 1,2-Dibromoethane	6.621	107	124022	16.3079	ug/l	98
62) 1,3-Dichloropropane	6.409	76	216473	17.2806	ug/l	96
63) 4-Methyl-2-Pentanone	5.975	43	126961	18.4025	ug/l	96
64) 2-Hexanone	6.431	43	90547	19.7765	ug/l	90
65) Tetrachloroethene	6.412	164	129289	18.2456	ug/l	97
67) Toluene	6.097	92	361562	17.9645	ug/l	91
68) 1,1,1,2-Tetrachloroethane	6.923	133	127435	16.7595	ug/l	98

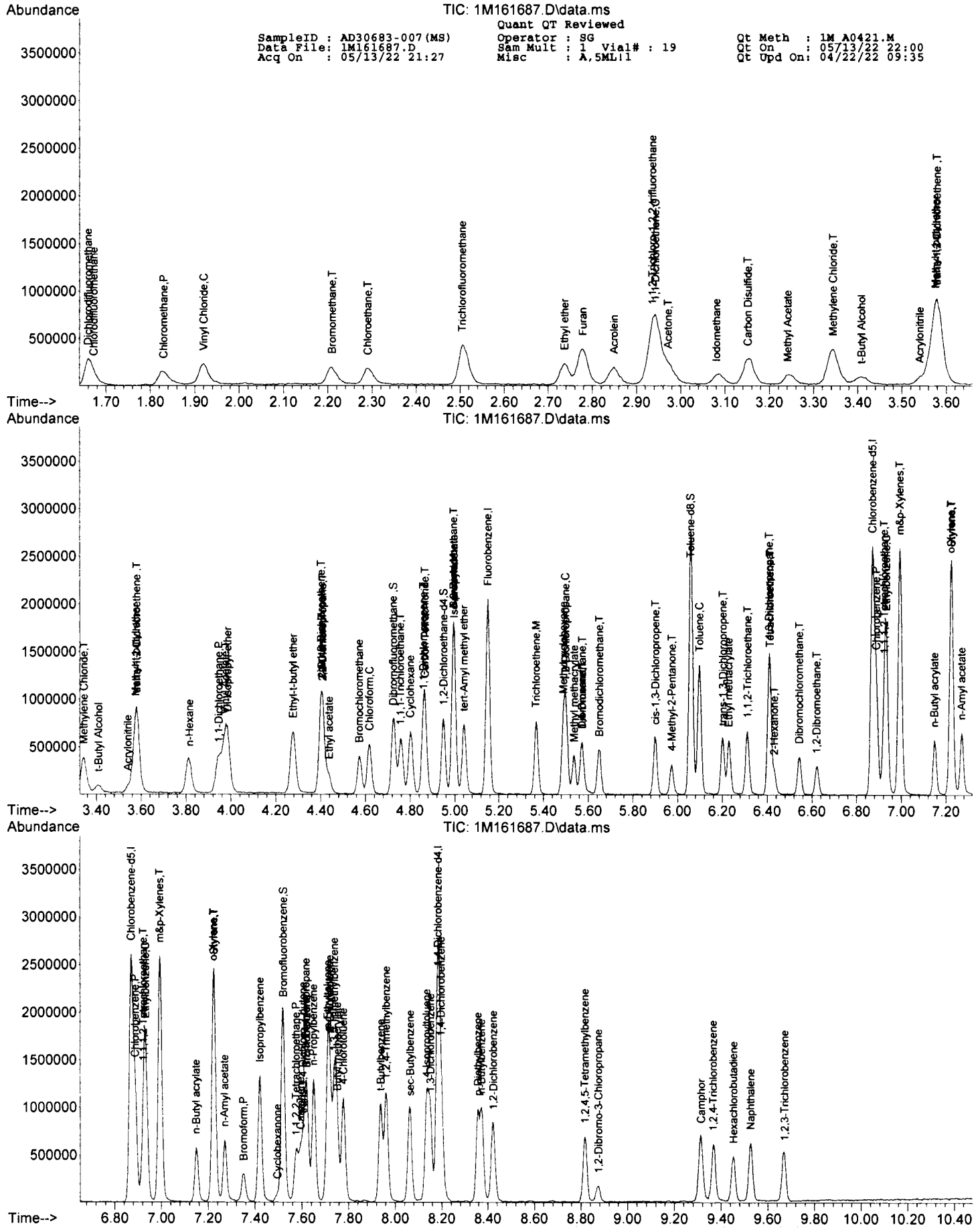
Quantitation Report (QT Reviewed)

SampleID : AD30683-007(MS) Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161687.D Sam Mult : 1 Vial# : 19 Qt On : 05/13/22 22:00
Acq On : 05/13/22 21:27 Misc : A,5ML!1 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	Chlorobenzene	6.888	112	388664	17.8605	ug/l	95
71)	n-Butyl acrylate	7.148	55	249635	17.1217	ug/l	89
72)	n-Amyl acetate	7.270	43	231237	18.3062	ug/l	90
73)	Bromoform	7.351	173	85536	15.0376	ug/l	84
74)	Ethylbenzene	6.933	106	187136	16.4305	ug/l	92
75)	1,1,2,2-Tetrachloroethane	7.576	83	169047	17.1394	ug/l	96
77)	Styrene	7.225	104	404805	16.7658	ug/l	99
78)	m&p-Xylenes	6.994	106	498702	34.2396	ug/l	99
79)	o-Xylene	7.222	106	254713	16.9260	ug/l	99
80)	trans-1,4-Dichloro-2-b...	7.605	53	63494	14.4683	ug/l	99
81)	1,3-Dichlorobenzene	8.151	146	256670	15.7970	ug/l	97
82)	1,4-Dichlorobenzene	8.196	146	267498	15.4182	ug/l	97
83)	1,2-Dichlorobenzene	8.425	146	242389	15.4658	ug/l	97
84)	Isopropylbenzene	7.422	105	588932	17.2324	ug/l	99
85)	Cyclohexanone	7.495	55	21236	68.9978	ug/l	87
86)	Camphene	7.595	93	81947	8.6236	ug/l	100
87)	1,2,3-Trichloropropane	7.618	75	208857	16.3502	ug/l	99
88)	2-Chlorotoluene	7.721	91	374784	16.7221	ug/l	92
89)	p-Ethyltoluene	7.711	105	557566	16.4157	ug/l	93
90)	4-Chlorotoluene	7.778	91	375491	16.0073	ug/l	96
91)	n-Propylbenzene	7.650	91	674311	16.6495	ug/l	97
92)	Bromobenzene	7.621	77	316536	15.6458	ug/l	78
93)	1,3,5-Trimethylbenzene	7.740	105	437560	16.6393	ug/l	99
94)	Butyl methacrylate	7.753	41	162361	16.1305	ug/l	63
95)	t-Butylbenzene	7.939	119	393793	15.6315	ug/l	98
96)	1,2,4-Trimethylbenzene	7.962	105	437505	16.3081	ug/l	99
97)	sec-Butylbenzene	8.065	105	491966	16.6933	ug/l	97
98)	4-Isopropyltoluene	8.135	119	405164	16.1434	ug/l	98
99)	n-Butylbenzene	8.373	91	440469	16.3703	ug/l	88
100)	p-Diethylbenzene	8.357	119	209568	13.6362	ug/l	80
101)	1,2,4,5-Tetramethylben...	8.817	119	260932	12.9473	ug/l	96
102)	1,2-Dibromo-3-Chloropr...	8.875	157	30308	14.7269	ug/l	85
103)	Camphor	9.315	95	123372	136.5638	ug/l	100
104)	Hexachlorobutadiene	9.454	225	59225	15.8483	ug/l	99
105)	1,2,4-Trichlorobenzene	9.367	180	128129	15.5419	ug/l	97
106)	1,2,3-Trichlorobenzene	9.672	180	114693	16.4782	ug/l	97
107)	Naphthalene	9.528	128	336034	16.1026	ug/l	98

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


Abundance
TIC: 1M161687.D\data.ms
Quant QT Reviewed
SampleID : AD30683-007(MS)
Data File: 1M161687.D
Acq On : 05/13/22 21:27
Operator : SG
Sam Mult : 1 Vial# : 19
Misc : A,5ML;1
Qt Meth : 1M_A0421.M
Qt On : 05/13/22 22:00
Qt Upd On: 04/22/22 09:35
Time-->
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene

Quantitation Report (QT Reviewed)

SampleID : AD30683-007(MSD) Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161688.D Sam Mult : 1 Vial# : 20 Qt On : 05/13/22 22:00
Acq On : 05/13/22 21:46 Misc : A,5ML!3 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.151	96	1050701	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	822059	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.183	152	447496	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.727	111	296744	31.68	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.60%			
39) 1,2-Dichloroethane-d4	4.949	67	161967	32.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.43%			
66) Toluene-d8	6.058	98	1069003	29.08	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.93%			
76) Bromofluorobenzene	7.521	174	354280	28.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.07%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.672	51	65789m	6.8320	ug/l	
6) Dichlorodifluoromethane	1.660	85	197388	31.7297	ug/l	95
7) Chloromethane	1.830	50	188321	31.8945	ug/l	98
8) Bromomethane	2.206	94	121139	20.2154	ug/l	97
9) Vinyl Chloride	1.920	62	220307	30.2185	ug/l	99
10) Chloroethane	2.290	64	145916	27.5258	ug/l	95
11) Trichlorofluoromethane	2.508	101	339038	24.7203	ug/l	99
12) Ethyl ether	2.737	59	130739	20.1679	ug/l	82
13) Furan	2.779	39	264465	20.8475	ug/l	81
14) 1,1,2-Trichloro-1,2,2-...	2.936	101	165302m	25.2609	ug/l	
15) Methylene Chloride	3.338	84	173306	24.5108	ug/l	77
16) Acrolein	2.852	56	157348	122.8301	ug/l	92
17) Acrylonitrile	3.547	53	70828	26.4709	ug/l	95
18) Iodomethane	3.084	142	134875	15.1787	ug/l	93
19) Acetone	2.971	43	234155	121.7225	ug/l	90
20) Carbon Disulfide	3.152	76	395672	22.2442	ug/l	100
21) t-Butyl Alcohol	3.406	59	81510	117.5949	ug/l	45
22) n-Hexane	3.814	57	187678	29.0718	ug/l	98
23) Di-isopropyl-ether	3.984	45	536981	25.9247	ug/l	85
24) 1,1-Dichloroethene	2.943	61	279505	25.0723	ug/l	94
25) Methyl Acetate	3.245	43	130837	25.2232	ug/l	100
26) Methyl-t-butyl ether	3.576	73	462769	22.7791	ug/l	91
27) 1,1-Dichloroethane	3.946	63	343554	25.7877	ug/l	89
28) trans-1,2-Dichloroethene	3.579	96	181778	24.2105	ug/l	87
29) Ethyl-t-butyl ether	4.277	59	473879	23.0437	ug/l	94
30) cis-1,2-Dichloroethene	4.402	61	297060	23.6502	ug/l	89
31) Bromochloromethane	4.576	49	160650	27.1512	ug/l	81
32) 2,2-Dichloropropane	4.409	77	274919	23.1843	ug/l	99
33) Ethyl acetate	4.438	43	150390	22.7234	ug/l	96
34) 1,4-Dioxane	5.573	88	68983	951.8110	ug/l	87
35) 1,1-Dichloropropene	4.859	75	234641	23.7470	ug/l	92
36) Chloroform	4.618	83	306334	22.9291	ug/l	96
38) Cyclohexane	4.804	56	224078	24.4690	ug/l	87
40) 1,2-Dichloroethane	4.994	62	251100	21.8197	ug/l	96
41) 2-Butanone	4.405	43	68059m	27.5436	ug/l	
42) 1,1,1-Trichloroethane	4.756	97	289095	22.4445	ug/l	98
43) Carbon Tetrachloride	4.868	117	241708	22.1176	ug/l	94
44) Vinyl Acetate	3.968	43	617581	27.3914	ug/l	100
45) Bromodichloromethane	5.650	83	214633	22.6057	ug/l	100
46) Methylcyclohexane	5.492	83	185456	22.4390	ug/l	94
47) Dibromomethane	5.573	174	113785	22.7320	ug/l	92
48) 1,2-Dichloropropane	5.502	63	173713	25.0402	ug/l	96
49) Trichloroethene	5.370	130	170451	21.7317	ug/l	98
50) Benzene	4.994	78	666997	24.2784	ug/l	100
51) tert-Amyl methyl ether	5.042	73	415012	22.5422	ug/l	94
53) Iso-propylacetate	5.000	43	320163	23.0682	ug/l	94
54) Methyl methacrylate	5.537	41	125109	22.3980	ug/l	83
55) Dibromochloromethane	6.544	129	144563	20.2174	ug/l	94
57) cis-1,3-Dichloropropene	5.901	75	245391	21.2128	ug/l	100
58) trans-1,3-Dichloropropene	6.203	75	228447	21.2425	ug/l	94
59) Ethyl methacrylate	6.229	41	145915	23.0802	ug/l	77
60) 1,1,2-Trichloroethane	6.312	97	146205	22.2360	ug/l	97
61) 1,2-Dibromoethane	6.621	107	146974	21.1879	ug/l	99
62) 1,3-Dichloropropane	6.409	76	259642	22.7236	ug/l	97
63) 4-Methyl-2-Pentanone	5.975	43	149439	23.7475	ug/l	90
64) 2-Hexanone	6.431	43	100606	24.0906	ug/l	97
65) Tetrachloroethene	6.409	164	148250	22.9372	ug/l	94
67) Toluene	6.097	92	413832	22.5426	ug/l	87
68) 1,1,1,2-Tetrachloroethane	6.923	133	144976	20.9034	ug/l	95

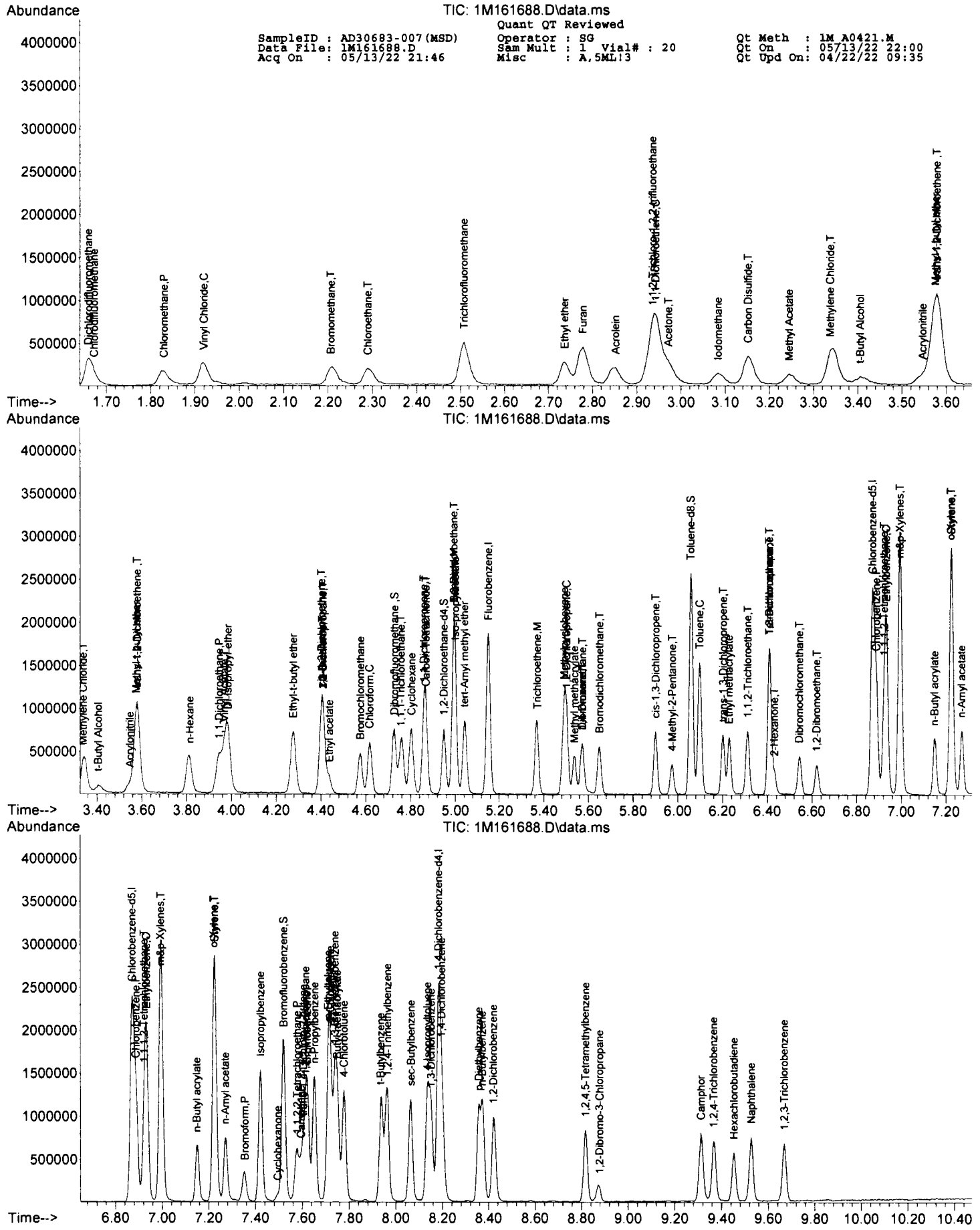
Quantitation Report (QT Reviewed)

SampleID : AD30683-007(MSD) Operator : SG Qt Meth : 1M_A0421.M
Data File: 1M161688.D Sam Mult : 1 Vial# : 20 Qt On : 05/13/22 22:00
Acq On : 05/13/22 21:46 Misc : A,5ML!3 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-13-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	Chlorobenzene	6.888	112	438992	22.1169	ug/l	93
71)	n-Butyl acrylate	7.148	55	294807	21.2787	ug/l	90
72)	n-Amyl acetate	7.270	43	273218	22.7624	ug/l	89
73)	Bromoform	7.354	173	102731	19.0063	ug/l	87
74)	Ethylbenzene	6.933	106	203776	18.8284	ug/l	99
75)	1,1,2,2-Tetrachloroethane	7.579	83	192304	20.5184	ug/l	98
77)	Styrene	7.225	104	477072	20.7936	ug/l	93
78)	m&p-Xylenes	6.994	106	576980	41.6885	ug/l	99
79)	o-Xylene	7.222	106	295351	20.6543	ug/l	100
80)	trans-1,4-Dichloro-2-b...	7.605	53	68893	16.5206	ug/l	97
81)	1,3-Dichlorobenzene	8.151	146	304284	19.7081	ug/l	95
82)	1,4-Dichlorobenzene	8.196	146	323790	19.6401	ug/l	96
83)	1,2-Dichlorobenzene	8.421	146	275404	18.4925	ug/l	96
84)	Isopropylbenzene	7.421	105	684927	21.0908	ug/l	98
85)	Cyclohexanone	7.495	55	23797	81.3219	ug/l	97
86)	Camphene	7.595	93	69586	7.7063	ug/l	99
87)	1,2,3-Trichloropropane	7.614	75	235151	19.3726	ug/l	99
88)	2-Chlorotoluene	7.720	91	448320	21.0507	ug/l	92
89)	p-Ethyltoluene	7.711	105	631900	19.5785	ug/l	97
90)	4-Chlorotoluene	7.778	91	433723	19.4580	ug/l	94
91)	n-Propylbenzene	7.653	91	794022	20.6319	ug/l	97
92)	Bromobenzene	7.621	77	405220	21.0781	ug/l	87
93)	1,3,5-Trimethylbenzene	7.740	105	508403	20.3457	ug/l	95
94)	Butyl methacrylate	7.749	41	199520	20.8602	ug/l	61
95)	t-Butylbenzene	7.936	119	470350	19.6482	ug/l	98
96)	1,2,4-Trimethylbenzene	7.965	105	516033	20.2425	ug/l	98
97)	sec-Butylbenzene	8.065	105	568453	20.2988	ug/l	97
98)	4-Isopropyltoluene	8.135	119	479571	20.1087	ug/l	97
99)	n-Butylbenzene	8.373	91	511094	19.9898	ug/l	95
100)	p-Diethylbenzene	8.357	119	251172	17.1991	ug/l	94
101)	1,2,4,5-Tetramethylben...	8.817	119	310926	16.2359	ug/l	98
102)	1,2-Dibromo-3-Chloropr...	8.878	157	34756	17.7726	ug/l	87
103)	Camphor	9.312	95	135138	157.4214	ug/l	99
104)	Hexachlorobutadiene	9.454	225	71054	20.0093	ug/l	97
105)	1,2,4-Trichlorobenzene	9.367	180	150528	19.2150	ug/l	95
106)	1,2,3-Trichlorobenzene	9.669	180	137054	20.7220	ug/l	96
107)	Naphthalene	9.527	128	395443	19.9418	ug/l	98

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


Abundance
TIC: 1M161688.D\data.ms
Quant QT Reviewed
SampleID : AD30683-007(MSD)
Data File: 1M161688.D
Acq On : 05/13/22 21:46
Operator : SG
Sam Mult : 1 Vial# : 20
Misc : A,5ML!3
Qt Meth : 1M_A0421.M
Qt On : 05/13/22 22:00
Qt Upd On: 04/22/22 09:35
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 1M161688.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methyl methacrylate
Bromodichloromethane
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Time-->

Abundance
TIC: 1M161688.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101592

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161749.D	AD30710-001(MS)	5/16/2022 10:22:00 PM
Non Spike(If applicable):	1M161731.D	AD30710-001	5/16/2022 4:46:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	19.6368	0	20	98	50	150
Dichlorodifluoromethane	1	26.7521	0	20	134	50	150
Chloromethane	1	25.4546	0	20	127	50	150
Bromomethane	1	14.161	0	20	71	50	150
Vinyl Chloride	1	34.6087	5.9776	20	143	50	150
Chloroethane	1	26.7112	0	20	134	50	150
Trichlorofluoromethane	1	24.5223	0	20	123	50	150
Ethyl ether	1	19.5331	0	20	98	50	150
Furan	1	20.3712	0	20	102	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	25.126	0	20	126	50	150
Methylene Chloride	1	24.4348	0	20	122	70	130
Acrolein	1	110.7745	0	100	111	50	150
Acrylonitrile	1	24.0845	0	20	120	50	150
Iodomethane	1	12.2525	0	20	61	50	150
Acetone	1	119.2522	0	100	119	50	150
Carbon Disulfide	1	21.8328	0	20	109	50	150
t-Butyl Alcohol	1	122.151	0	100	122	50	150
n-Hexane	1	26.6385	0	20	133*	70	130
Di-isopropyl-ether	1	26.8136	0	20	134*	70	130
1,1-Dichloroethene	1	26.0525	0	20	130	70	130
Methyl Acetate	1	22.7693	0	20	114	50	150
Methyl-t-butyl ether	1	23.9264	0	20	120	70	130
1,1-Dichloroethane	1	25.9072	0	20	130	70	130
trans-1,2-Dichloroethene	1	27.4948	2.5979	20	124	70	130
Ethyl-t-butyl ether	1	25.8963	0	20	129	70	130
cis-1,2-Dichloroethene	1	28.8933	3.7799	20	126	70	130
Bromochloromethane	1	25.7438	0	20	129	70	130
2,2-Dichloropropane	1	22.4891	0	20	112	70	130
Ethyl acetate	1	20.8545	0	20	104	50	150
1,4-Dioxane	1	1052.432	0	1000	105	50	150
1,1-Dichloropropene	1	24.8586	0	20	124	70	130
Chloroform	1	24.4921	0	20	122	70	130
Cyclohexane	1	24.7789	0	20	124	70	130
1,2-Dichloroethane	1	22.529	0	20	113	70	130
2-Butanone	1	27.5696	0	20	138	50	150
1,1,1-Trichloroethane	1	23.8585	0	20	119	70	130
Carbon Tetrachloride	1	23.7094	0	20	119	50	150
Vinyl Acetate	1	26.4581	0	20	132	50	150
Bromodichloromethane	1	23.7843	0	20	119	70	130
Methylcyclohexane	1	22.8285	0	20	114	70	130
Dibromomethane	1	22.7377	0	20	114	70	130
1,2-Dichloropropane	1	25.0816	0	20	125	70	130
Trichloroethene	1	26.2074	1.7851	20	122	70	130
Benzene	1	24.5854	0	20	123	70	130
tert-Amyl methyl ether	1	24.5404	0	20	123	70	130
Iso-propylacetate	1	22.0677	0	20	110	70	130
Methyl methacrylate	1	23.5677	0	20	118	70	130
Dibromochloromethane	1	21.4328	0	20	107	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	22.1776	0	20	111	70	130
trans-1,3-Dichloropropene	1	21.2432	0	20	106	70	130
Ethyl methacrylate	1	22.0689	0	20	110	70	130
1,1,2-Trichloroethane	1	22.1558	0	20	111	70	130
1,2-Dibromoethane	1	21.845	0	20	109	70	130
1,3-Dichloropropane	1	22.5325	0	20	113	70	130
4-Methyl-2-Pentanone	1	22.7851	0	20	114	50	150
2-Hexanone	1	23.7946	0	20	119	50	150
Tetrachloroethene	1	24.2	0	20	121	50	150
Toluene	1	22.9608	0	20	115	70	130
1,1,1,2-Tetrachloroethane	1	22.2369	0	20	111	70	130
Chlorobenzene	1	22.8044	0	20	114	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: MBS101592

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	22.6177	0	20	113	70	130
n-Amyl acetate	1	22.8833	0	20	114	70	130
Bromoform	**1**	**20.4072**	**0**	**20**	**102**	**70**	**130**
Ethylbenzene	**1**	**20.2872**	**0**	**20**	**101**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**21.2436**	**0**	**20**	**106**	**70**	**130**
Styrene	**1**	**21.6919**	**0**	**20**	**108**	**70**	**130**
m&p-Xylenes	**1**	**44.4385**	**0**	**40**	**111**	**70**	**130**
o-Xylene	**1**	**21.1441**	**0**	**20**	**106**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	13.4498	0	20	67	50	150
1,3-Dichlorobenzene	**1**	**20.1192**	**0**	**20**	**101**	**70**	**130**
1,4-Dichlorobenzene	**1**	**20.0509**	**0**	**20**	**100**	**70**	**130**
1,2-Dichlorobenzene	**1**	**20.8736**	**0**	**20**	**104**	**70**	**130**
Isopropylbenzene	**1**	**22.2432**	**0**	**20**	**111**	**70**	**130**
Cyclohexanone	1	84.3178	0	100	84	50	150
Camphene	1	2.7704	0	20	14*	70	130
1,2,3-Trichloropropane	1	19.8818	0	20	99	70	130
2-Chlorotoluene	1	21.7499	0	20	109	70	130
p-Ethyltoluene	1	21.3011	0	20	107	70	130
4-Chlorotoluene	1	19.7186	0	20	99	70	130
n-Propylbenzene	1	21.2496	0	20	106	70	130
Bromobenzene	1	18.9974	0	20	95	70	130
1,3,5-Trimethylbenzene	1	21.2016	0	20	106	70	130
Butyl methacrylate	1	21.5546	0	20	108	70	130
t-Butylbenzene	1	20.7452	0	20	104	70	130
1,2,4-Trimethylbenzene	1	21.5912	0	20	108	70	130
sec-Butylbenzene	1	21.5709	0	20	108	70	130
4-Isopropyltoluene	1	20.9163	0	20	105	70	130
n-Butylbenzene	1	20.1257	0	20	101	70	130
p-Diethylbenzene	1	18.0089	0	20	90	70	130
1,2,4,5-Tetramethylbenzene	1	17.9834	0	20	90	70	130
1,2-Dibromo-3-Chloropropane	**1**	**18.7145**	**0**	**20**	**94**	**50**	**150**
Camphor	1	186.5351	0	200	93	20	150
Hexachlorobutadiene	1	17.3407	0	20	87	50	150
1,2,4-Trichlorobenzene	**1**	**18.5205**	**0**	**20**	**93**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**19.3993**	**0**	**20**	**97**	**70**	**130**
Naphthalene	1	20.3472	0	20	102	50	150

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101592

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161750.D	AD30710-001(MSD)	5/16/2022 10:41:00 PM
Non Spike(If applicable):	1M161731.D	AD30710-001	5/16/2022 4:46:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	21.811	0	20	109	50	150
Dichlorodifluoromethane	1	28.2945	0	20	141	50	150
Chloromethane	1	27.1055	0	20	136	50	150
Bromomethane	1	13.3799	0	20	67	50	150
Vinyl Chloride	1	31.8452	5.9776	20	129	50	150
Chloroethane	1	26.7905	0	20	134	50	150
Trichlorofluoromethane	1	25.9382	0	20	130	50	150
Ethyl ether	1	21.3589	0	20	107	50	150
Furan	1	21.4825	0	20	107	50	150
1,1,2-Trichloro-1,2,2-trifluoroethane	1	25.8548	0	20	129	50	150
Methylene Chloride	1	25.5227	0	20	128	70	130
Acrolein	1	118.9858	0	100	119	50	150
Acrylonitrile	1	24.9993	0	20	125	50	150
Iodomethane	1	10.4891	0	20	52	50	150
Acetone	1	122.4352	0	100	122	50	150
Carbon Disulfide	1	23.235	0	20	116	50	150
t-Butyl Alcohol	1	125.4793	0	100	125	50	150
n-Hexane	1	26.7692	0	20	134*	70	130
Di-isopropyl-ether	1	27.5568	0	20	138*	70	130
1,1-Dichloroethene	1	26.7245	0	20	134*	70	130
Methyl Acetate	1	23.6401	0	20	118	50	150
Methyl-t-butyl ether	1	25.0193	0	20	125	70	130
1,1-Dichloroethane	1	26.6672	0	20	133*	70	130
trans-1,2-Dichloroethene	1	26.5502	2.5979	20	120	70	130
Ethyl-t-butyl ether	1	24.3273	0	20	122	70	130
cis-1,2-Dichloroethene	1	26.2707	3.7799	20	112	70	130
Bromochloromethane	1	27.2343	0	20	136*	70	130
2,2-Dichloropropane	1	23.4479	0	20	117	70	130
Ethyl acetate	1	23.6414	0	20	118	50	150
1,4-Dioxane	1	1060.279	0	1000	106	50	150
1,1-Dichloropropene	1	26.0084	0	20	130	70	130
Chloroform	1	25.6563	0	20	128	70	130
Cyclohexane	1	25.7752	0	20	129	70	130
1,2-Dichloroethane	1	23.2865	0	20	116	70	130
2-Butanone	1	26.4592	0	20	132	50	150
1,1,1-Trichloroethane	1	24.7403	0	20	124	70	130
Carbon Tetrachloride	1	24.6804	0	20	123	50	150
Vinyl Acetate	1	27.8451	0	20	139	50	150
Bromodichloromethane	1	25.1366	0	20	126	70	130
Methylcyclohexane	1	23.6592	0	20	118	70	130
Dibromomethane	1	24.4583	0	20	122	70	130
1,2-Dichloropropane	1	26.3676	0	20	132*	70	130
Trichloroethene	1	24.8744	1.7851	20	115	70	130
Benzene	1	25.2024	0	20	126	70	130
tert-Amyl methyl ether	1	25.0594	0	20	125	70	130
Iso-propylacetate	1	22.574	0	20	113	70	130
Methyl methacrylate	1	24.2949	0	20	121	70	130
Dibromochloromethane	1	21.1685	0	20	106	70	130
2-Chloroethylvinylether	1	0	0	20	0*	70	130
cis-1,3-Dichloropropene	1	22.4758	0	20	112	70	130
trans-1,3-Dichloropropene	1	22.8812	0	20	114	70	130
Ethyl methacrylate	1	23.7907	0	20	119	70	130
1,1,2-Trichloroethane	1	22.7065	0	20	114	70	130
1,2-Dibromoethane	1	21.8777	0	20	109	70	130
1,3-Dichloropropane	1	22.9435	0	20	115	70	130
4-Methyl-2-Pentanone	1	24.7956	0	20	124	50	150
2-Hexanone	1	24.6138	0	20	123	50	150
Tetrachloroethene	1	22.9988	0	20	115	50	150
Toluene	1	23.4976	0	20	117	70	130
1,1,1,2-Tetrachloroethane	1	23.3637	0	20	117	70	130
Chlorobenzene	1	23.4877	0	20	117	70	130

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS101592

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	24.6656	0	20	123	70	130
n-Amyl acetate	1	24.2395	0	20	121	70	130
Bromoform	**1**	**20.2613**	**0**	**20**	**101**	**70**	**130**
Ethylbenzene	**1**	**21.2987**	**0**	**20**	**106**	**70**	**130**
1,1,2,2-Tetrachloroethane	**1**	**21.8992**	**0**	**20**	**109**	**70**	**130**
Styrene	**1**	**22.7767**	**0**	**20**	**114**	**70**	**130**
m&p-Xylenes	**1**	**44.912**	**0**	**40**	**112**	**70**	**130**
o-Xylene	**1**	**21.4974**	**0**	**20**	**107**	**70**	**130**
trans-1,4-Dichloro-2-butene	1	13.6017	0	20	68	50	150
1,3-Dichlorobenzene	**1**	**21.1729**	**0**	**20**	**106**	**70**	**130**
1,4-Dichlorobenzene	**1**	**20.319**	**0**	**20**	**102**	**70**	**130**
1,2-Dichlorobenzene	**1**	**21.3877**	**0**	**20**	**107**	**70**	**130**
Isopropylbenzene	**1**	**23.0912**	**0**	**20**	**115**	**70**	**130**
Cyclohexanone	1	72.6739	0	100	73	50	150
Camphene	1	3.568	0	20	18*	70	130
1,2,3-Trichloropropane	1	19.7986	0	20	99	70	130
2-Chlorotoluene	1	22.4371	0	20	112	70	130
p-Ethyltoluene	1	21.9568	0	20	110	70	130
4-Chlorotoluene	1	20.1934	0	20	101	70	130
n-Propylbenzene	1	22.0379	0	20	110	70	130
Bromobenzene	1	21.2085	0	20	106	70	130
1,3,5-Trimethylbenzene	1	22.1273	0	20	111	70	130
Butyl methacrylate	1	22.5949	0	20	113	70	130
t-Butylbenzene	1	21.4889	0	20	107	70	130
1,2,4-Trimethylbenzene	1	22.5835	0	20	113	70	130
sec-Butylbenzene	1	21.8843	0	20	109	70	130
4-Isopropyltoluene	1	21.6122	0	20	108	70	130
n-Butylbenzene	1	20.6566	0	20	103	70	130
p-Diethylbenzene	1	18.9808	0	20	95	70	130
1,2,4,5-Tetramethylbenzene	1	18.281	0	20	91	70	130
1,2-Dibromo-3-Chloropropane	**1**	**18.1501**	**0**	**20**	**91**	**50**	**150**
Camphor	1	194.3528	0	200	97	20	150
Hexachlorobutadiene	1	17.6889	0	20	88	50	150
1,2,4-Trichlorobenzene	**1**	**20.2421**	**0**	**20**	**101**	**70**	**130**
1,2,3-Trichlorobenzene	**1**	**21.5535**	**0**	**20**	**108**	**70**	**130**
Naphthalene	1	22.0513	0	20	110	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: MBS101592

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M161750.D	AD30710-001(MSD)	5/16/2022 10:41:00 PM
Duplicate(If applicable):	1M161749.D	AD30710-001(MS)	5/16/2022 10:22:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	21.811	19.6368	10	30
Dichlorodifluoromethane	**1**	**28.2945**	**26.7521**	**5.6**	**30**
Chloromethane	**1**	**27.1055**	**25.4546**	**6.3**	**30**
Bromomethane	**1**	**13.3799**	**14.161**	**5.7**	**30**
Vinyl Chloride	**1**	**31.8452**	**34.6087**	**8.3**	**40**
Chloroethane	**1**	**26.7905**	**26.7112**	**0.3**	**30**
Trichlorofluoromethane	**1**	**25.9382**	**24.5223**	**5.6**	**30**
Ethyl ether	1	21.3589	19.5331	8.9	30
Furan	1	21.4825	20.3712	5.3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**25.8548**	**25.126**	**2.9**	**30**
Methylene Chloride	**1**	**25.5227**	**24.4348**	**4.4**	**30**
Acrolein	1	118.9858	110.7745	7.1	30
Acrylonitrile	1	24.9993	24.0845	3.7	30
Iodomethane	1	10.4891	12.2525	16	30
Acetone	**1**	**122.4352**	**119.2522**	**2.6**	**30**
Carbon Disulfide	**1**	**23.235**	**21.8328**	**6.2**	**30**
t-Butyl Alcohol	1	125.4793	122.151	2.7	30
n-Hexane	1	26.7692	26.6385	0.49	30
Di-isopropyl-ether	1	27.5568	26.8136	2.7	30
1,1-Dichloroethene	**1**	**26.7245**	**26.0525**	**2.5**	**40**
Methyl Acetate	**1**	**23.6401**	**22.7693**	**3.8**	**30**
Methyl-t-butyl ether	**1**	**25.0193**	**23.9264**	**4.5**	**30**
1,1-Dichloroethane	**1**	**26.6672**	**25.9072**	**2.9**	**40**
trans-1,2-Dichloroethene	**1**	**26.5502**	**27.4948**	**3.5**	**30**
Ethyl-t-butyl ether	1	24.3273	25.8963	6.2	30
cis-1,2-Dichloroethene	**1**	**26.2707**	**28.8933**	**9.5**	**30**
Bromochloromethane	**1**	**27.2343**	**25.7438**	**5.6**	**30**
2,2-Dichloropropane	1	23.4479	22.4891	4.2	30
Ethyl acetate	1	23.6414	20.8545	13	30
1,4-Dioxane	**1**	**1060.279**	**1052.432**	**0.74**	**30**
1,1-Dichloropropene	1	26.0084	24.8586	4.5	30
Chloroform	**1**	**25.6563**	**24.4921**	**4.6**	**40**
Cyclohexane	**1**	**25.7752**	**24.7789**	**3.9**	**30**
1,2-Dichloroethane	**1**	**23.2865**	**22.529**	**3.3**	**40**
2-Butanone	**1**	**26.4592**	**27.5696**	**4.1**	**40**
1,1,1-Trichloroethane	**1**	**24.7403**	**23.8585**	**3.6**	**30**
Carbon Tetrachloride	**1**	**24.6804**	**23.7094**	**4**	**40**
Vinyl Acetate	1	27.8451	26.4581	5.1	30
Bromodichloromethane	**1**	**25.1366**	**23.7843**	**5.5**	**30**
Methylcyclohexane	**1**	**23.6592**	**22.8285**	**3.6**	**30**
Dibromomethane	1	24.4583	22.7377	7.3	30
1,2-Dichloropropane	**1**	**26.3676**	**25.0816**	**5**	**30**
Trichloroethene	**1**	**24.8744**	**26.2074**	**5.2**	**40**
Benzene	**1**	**25.2024**	**24.5854**	**2.5**	**40**
tert-Amyl methyl ether	1	25.0594	24.5404	2.1	30
Iso-propylacetate	1	22.574	22.0677	2.3	30
Methyl methacrylate	1	24.2949	23.5677	3	30
Dibromochloromethane	**1**	**21.1685**	**21.4328**	**1.2**	**30**
2-Chloroethylvinylether	1	0	0	NA	30
cis-1,3-Dichloropropene	**1**	**22.4758**	**22.1776**	**1.3**	**30**
trans-1,3-Dichloropropene	**1**	**22.8812**	**21.2432**	**7.4**	**30**
Ethyl methacrylate	1	23.7907	22.0689	7.5	30
1,1,2-Trichloroethane	**1**	**22.7065**	**22.1558**	**2.5**	**30**
1,2-Dibromoethane	**1**	**21.8777**	**21.845**	**0.15**	**30**
1,3-Dichloropropane	1	22.9435	22.5325	1.8	30
4-Methyl-2-Pentanone	**1**	**24.7956**	**22.7851**	**8.5**	**30**
2-Hexanone	**1**	**24.6138**	**23.7946**	**3.4**	**30**
Tetrachloroethene	**1**	**22.9988**	**24.2**	**5.1**	**40**
Toluene	**1**	**23.4976**	**22.9608**	**2.3**	**40**
1,1,1,2-Tetrachloroethane	1	23.3637	22.2369	4.9	30
Chlorobenzene	**1**	**23.4877**	**22.8044**	**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: MBS101592

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	24.6656	22.6177	8.7	30
n-Amyl acetate	1	24.2395	22.8833	5.8	30
Bromoform	1	20.2613	20.4072	0.72	30
Ethylbenzene	1	21.2987	20.2872	4.9	30
1,1,2,2-Tetrachloroethane	1	21.8992	21.2436	3	30
Styrene	1	22.7767	21.6919	4.9	30
m&p-Xylenes	1	44.912	44.4385	1.1	30
o-Xylene	1	21.4974	21.1441	1.7	30
trans-1,4-Dichloro-2-butene	1	13.6017	13.4498	1.1	30
1,3-Dichlorobenzene	1	21.1729	20.1192	5.1	30
1,4-Dichlorobenzene	1	20.319	20.0509	1.3	40
1,2-Dichlorobenzene	1	21.3877	20.8736	2.4	40
Isopropylbenzene	1	23.0912	22.2432	3.7	30
Cyclohexanone	1	72.6739	84.3178	15	30
Camphene	1	3.568	2.7704	25	30
1,2,3-Trichloropropane	1	19.7986	19.8818	0.42	30
2-Chlorotoluene	1	22.4371	21.7499	3.1	30
p-Ethyltoluene	1	21.9568	21.3011	3	30
4-Chlorotoluene	1	20.1934	19.7186	2.4	30
n-Propylbenzene	1	22.0379	21.2496	3.6	40
Bromobenzene	1	21.2085	18.9974	11	30
1,3,5-Trimethylbenzene	1	22.1273	21.2016	4.3	30
Butyl methacrylate	1	22.5949	21.5546	4.7	30
t-Butylbenzene	1	21.4889	20.7452	3.5	30
1,2,4-Trimethylbenzene	1	22.5835	21.5912	4.5	30
sec-Butylbenzene	1	21.8843	21.5709	1.4	40
4-Isopropyltoluene	1	21.6122	20.9163	3.3	30
n-Butylbenzene	1	20.6566	20.1257	2.6	30
p-Diethylbenzene	1	18.9808	18.0089	5.3	30
1,2,4,5-Tetramethylbenzene	1	18.281	17.9834	1.6	30
1,2-Dibromo-3-Chloropropane	1	18.1501	18.7145	3.1	30
Camphor	1	194.3528	186.5351	4.1	30
Hexachlorobutadiene	1	17.6889	17.3407	2	30
1,2,4-Trichlorobenzene	1	20.2421	18.5205	8.9	30
1,2,3-Trichlorobenzene	1	21.5535	19.3993	11	30
Naphthalene	1	22.0513	20.3472	8	30

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

Bold and underline - Indicates the compounds reported on form1

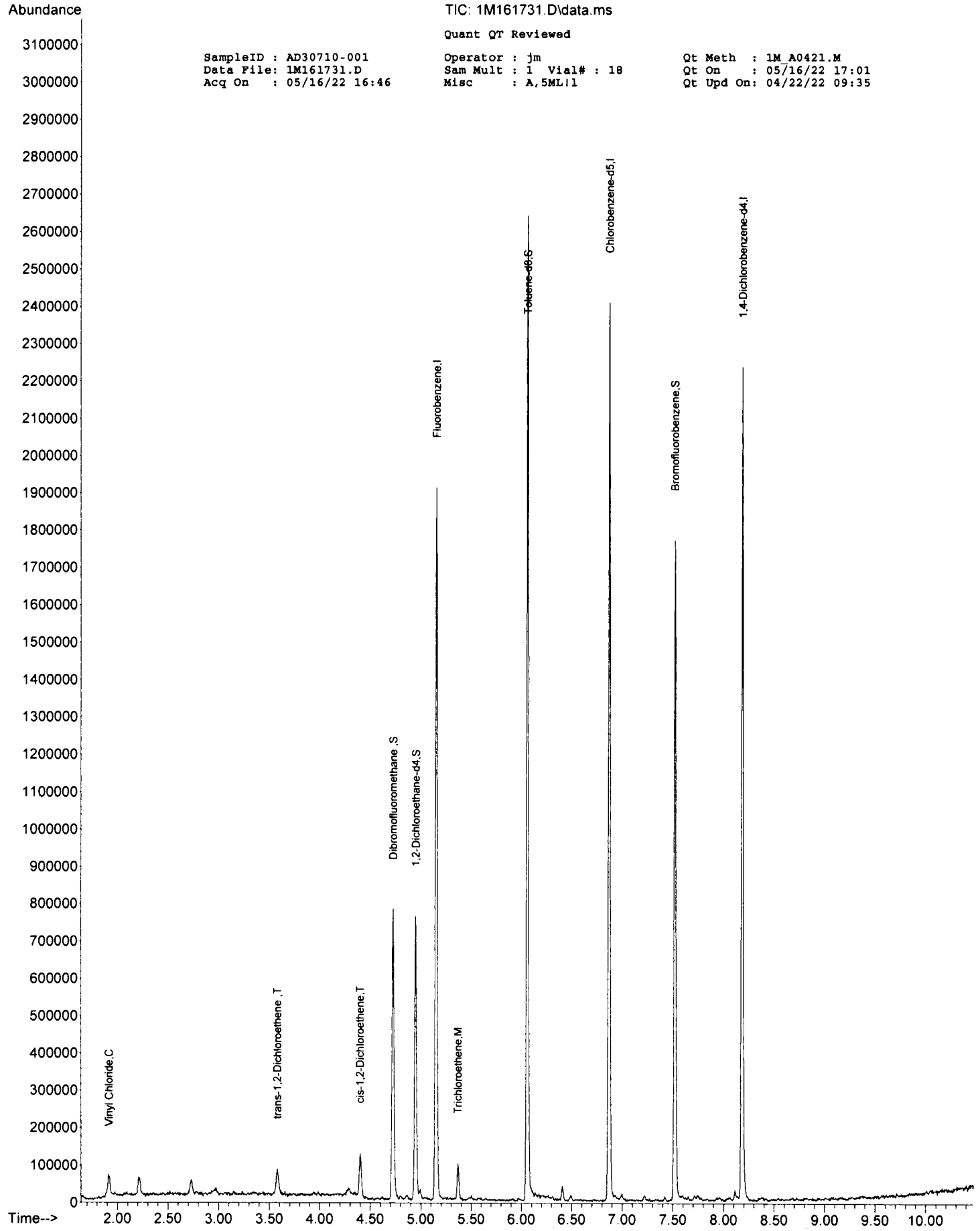
Quantitation Report (QT Reviewed)

SampleID : AD30710-001 Operator : jm Qt Meth : 1M_A0421.M
Data File: 1M161731.D Sam Mult : 1 Vial# : 18 Qt On : 05/16/22 17:01
Acq On : 05/16/22 16:46 Misc : A,5ML!1 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.151	96	1079699	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	875453	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.183	152	405442	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.727	111	308433	32.05	ug/l	0.00
Spiked Amount 30.000			Recovery =	106.83%		
39) 1,2-Dichloroethane-d4	4.949	67	174474	33.78	ug/l	0.00
Spiked Amount 30.000			Recovery =	112.60%		
66) Toluene-d8	6.058	98	1110862	28.38	ug/l	0.00
Spiked Amount 30.000			Recovery =	94.60%		
76) Bromofluorobenzene	7.518	174	331308	29.75	ug/l	0.00
Spiked Amount 30.000			Recovery =	99.17%		
Target Compounds						Qvalue
9) Vinyl Chloride	1.917	62	44782m	5.9776	ug/l	
28) trans-1,2-Dichloroethene	3.579	96	20044m	2.5979	ug/l	
30) cis-1,2-Dichloroethene	4.399	61	48788m	3.7799	ug/l	
49) Trichloroethene	5.367	130	14388m	1.7851	ug/l	

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


Abundance
TIC: 1M161731.D\data.ms
Quant QT Reviewed
SampleID : AD30710-001
Data File: 1M161731.D
Acq On : 05/16/22 16:46
Operator : jm
Sam Mult : 1 Vial# : 18
Misc : A,5ML,1
Qt Meth : 1M_A0421.M
Qt On : 05/16/22 17:01
Qt Upd On: 04/22/22 09:35
Vinyl Chloride,C
trans-1,2-Dichloroethene ,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Quantitation Report (QT Reviewed)

SampleID : AD30710-001(MS) Operator : jm Qt Meth : 1M_A0421.M
Data File: 1M161749.D Sam Mult : 1 Vial# : 36 Qt On : 05/17/22 08:21
Acq On : 05/16/22 22:22 Misc : A,5ML!3 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.152	96	1419838	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.872	117	1136890	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.184	152	577154	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.724	111	396369	31.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.40%			
39) 1,2-Dichloroethane-d4	4.949	67	212416	31.27	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.23%			
66) Toluene-d8	6.058	98	1450215	28.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.10%			
76) Bromofluorobenzene	7.521	174	487520	30.75	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.50%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.669	51	255420	19.6368	ug/l	89
6) Dichlorodifluoromethane	1.657	85	225003m	26.7521	ug/l	
7) Chloromethane	1.824	50	203100	25.4546	ug/l	84
8) Bromomethane	2.203	94	114671	14.1610	ug/l	96
9) Vinyl Chloride	1.917	62	340958	34.6087	ug/l	96
10) Chloroethane	2.287	64	191344	26.7112	ug/l	100
11) Trichlorofluoromethane	2.505	101	454480	24.5223	ug/l	98
12) Ethyl ether	2.737	59	171110	19.5331	ug/l	88
13) Furan	2.775	39	349213	20.3712	ug/l	86
14) 1,1,2-Trichloro-1,2,2-...	2.933	101	222183m	25.1260	ug/l	
15) Methylene Chloride	3.341	84	233466	24.4348	ug/l	81
16) Acrolein	2.846	56	191759	110.7745	ug/l	99
17) Acrylonitrile	3.537	53	87083	24.0845	ug/l	93
18) Iodomethane	3.087	142	147024	12.2525	ug/l	98
19) Acetone	2.975	43	309998	119.2522	ug/l	80
20) Carbon Disulfide	3.152	76	524793	21.8328	ug/l	100
21) t-Butyl Alcohol	3.409	59	114414	122.1510	ug/l	92
22) n-Hexane	3.808	57	232387	26.6385	ug/l	95
23) Di-isopropyl-ether	3.981	45	750517	26.8136	ug/l	86
24) 1,1-Dichloroethene	2.939	61	392468	26.0525	ug/l	90
25) Methyl Acetate	3.245	43	159603	22.7693	ug/l	100
26) Methyl-t-butyl ether	3.573	73	656865	23.9264	ug/l	94
27) 1,1-Dichloroethane	3.943	63	466404	25.9072	ug/l	96
28) trans-1,2-Dichloroethene	3.586	96	278963	27.4948	ug/l	98
29) Ethyl-t-butyl ether	4.277	59	719637	25.8963	ug/l	94
30) cis-1,2-Dichloroethene	4.399	61	490419	28.8933	ug/l	98
31) Bromochloromethane	4.573	49	205837	25.7438	ug/l	88
32) 2,2-Dichloropropane	4.412	77	360365	22.4891	ug/l	94
33) Ethyl acetate	4.435	43	186511	20.8545	ug/l	96
34) 1,4-Dioxane	5.576	88	103073	1052.4317	ug/l	98
35) 1,1-Dichloropropene	4.859	75	331919	24.8586	ug/l	98
36) Chloroform	4.618	83	442174	24.4921	ug/l	99
38) Cyclohexane	4.801	56	306637	24.7789	ug/l	91
40) 1,2-Dichloroethane	4.994	62	350349	22.5290	ug/l	98
41) 2-Butanone	4.406	43	92058m	27.5696	ug/l	
42) 1,1,1-Trichloroethane	4.759	97	415272	23.8585	ug/l	96
43) Carbon Tetrachloride	4.869	117	350133	23.7094	ug/l	99
44) Vinyl Acetate	3.972	43	806119	26.4581	ug/l	100
45) Bromodichloromethane	5.650	83	305161	23.7843	ug/l	99
46) Methylcyclohexane	5.489	83	254962	22.8285	ug/l	98
47) Dibromomethane	5.570	174	153799	22.7377	ug/l	88
48) 1,2-Dichloropropane	5.502	63	235131	25.0816	ug/l	99
49) Trichloroethene	5.367	130	277773	26.2074	ug/l	95
50) Benzene	4.994	78	912729	24.5854	ug/l	100
51) tert-Amyl methyl ether	5.042	73	610527	24.5404	ug/l	99
53) Iso-propylacetate	4.997	43	423575	22.0677	ug/l	93
54) Methyl methacrylate	5.534	41	182059	23.5677	ug/l	80
55) Dibromochloromethane	6.544	129	211947	21.4328	ug/l	88
57) cis-1,3-Dichloropropene	5.901	75	354805	22.1776	ug/l	95
58) trans-1,3-Dichloropropene	6.200	75	315948	21.2432	ug/l	98
59) Ethyl methacrylate	6.229	41	192955	22.0689	ug/l	79
60) 1,1,2-Trichloroethane	6.312	97	201469	22.1558	ug/l	95
61) 1,2-Dibromoethane	6.621	107	209565	21.8450	ug/l	100
62) 1,3-Dichloropropane	6.409	76	356059	22.5325	ug/l	99
63) 4-Methyl-2-Pentanone	5.971	43	198295	22.7851	ug/l	86
64) 2-Hexanone	6.431	43	137426	23.7946	ug/l	96
65) Tetrachloroethene	6.409	164	216314	24.2000	ug/l	100
67) Toluene	6.097	92	582938	22.9608	ug/l	94
68) 1,1,1,2-Tetrachloroethane	6.923	133	213289	22.2369	ug/l	95

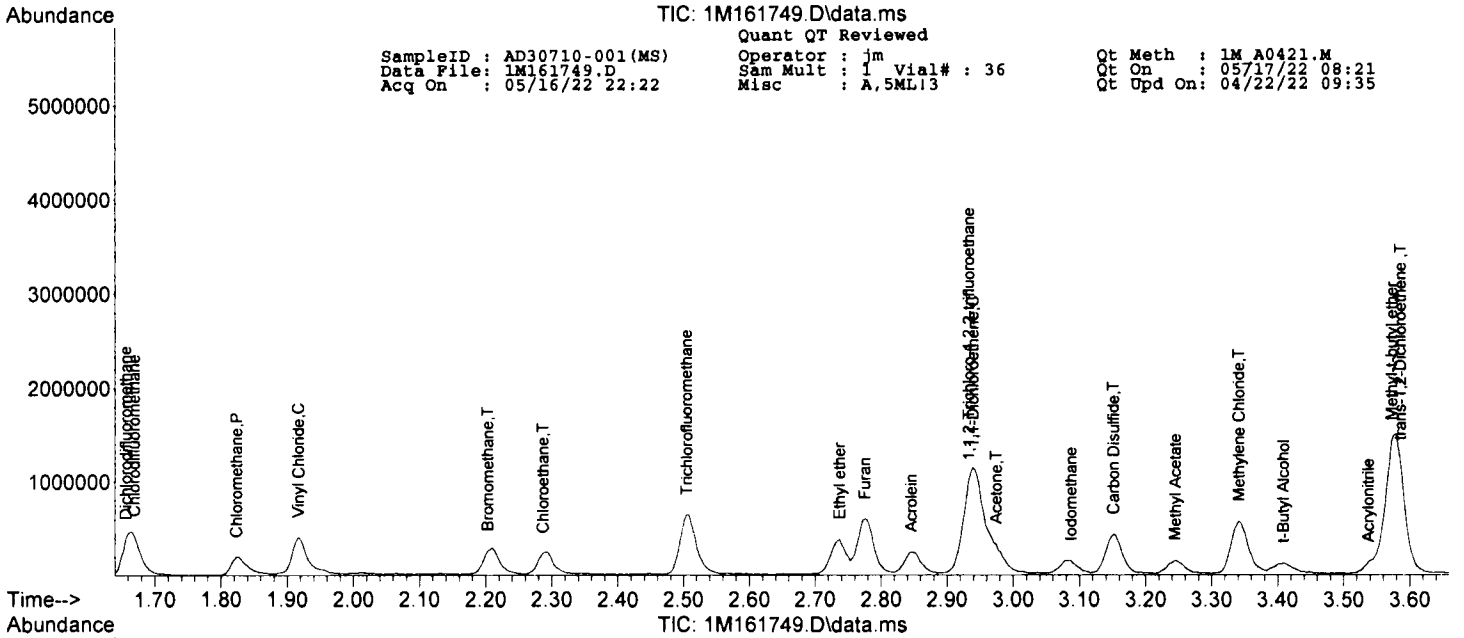
Quantitation Report (QT Reviewed)

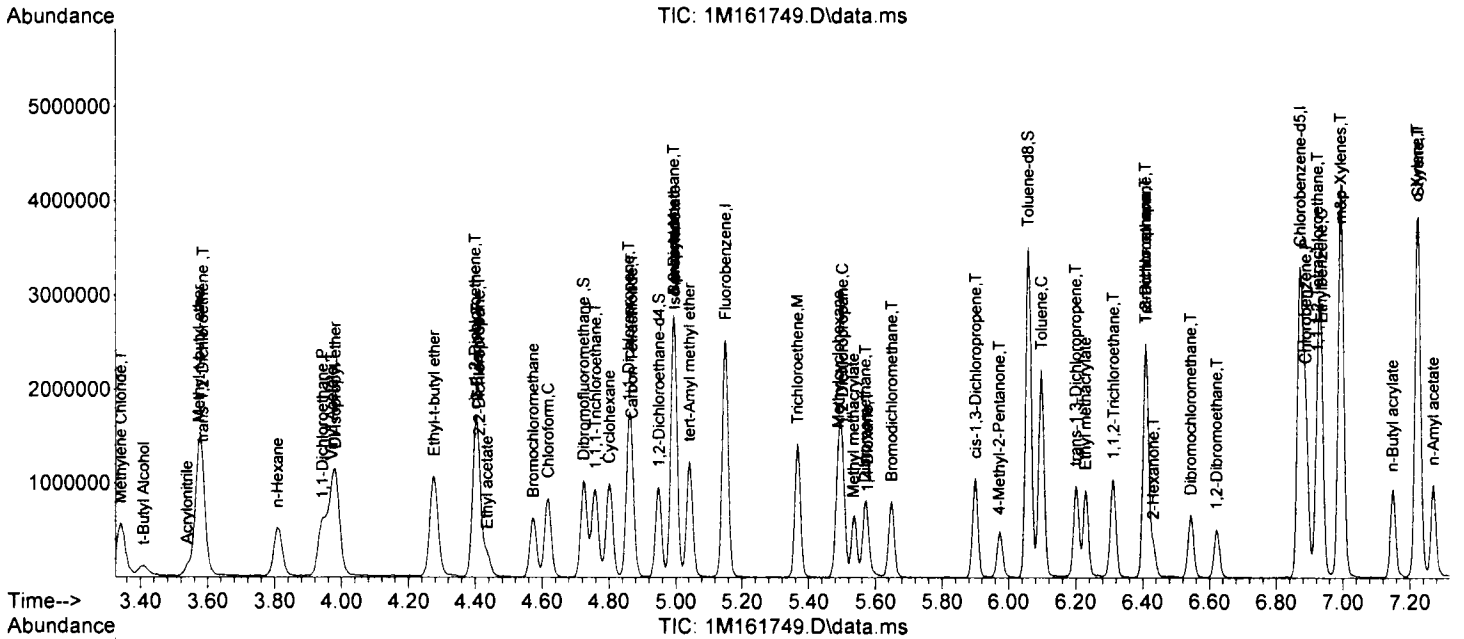
SampleID : AD30710-001(MS) Operator : jm Qt Meth : 1M_A0421.M
Data File: 1M161749.D Sam Mult : 1 Vial# : 36 Qt On : 05/17/22 08:21
Acq On : 05/16/22 22:22 Misc : A,5ML!3 Qt Upd On: 04/22/22 09:35

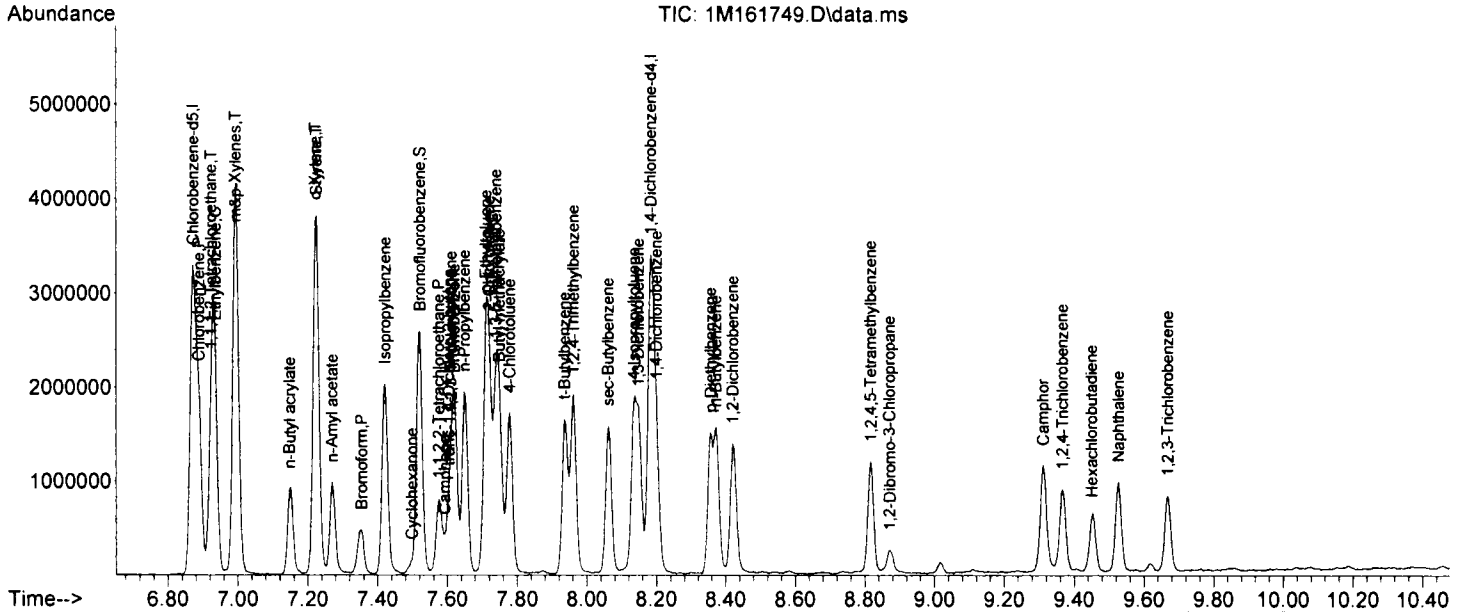
Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	Chlorobenzene	6.888	112	625987	22.8044	ug/l	95
71)	n-Butyl acrylate	7.148	55	404151	22.6177	ug/l	91
72)	n-Amyl acetate	7.270	43	354252	22.8833	ug/l	90
73)	Bromoform	7.354	173	142262	20.4072	ug/l	100
74)	Ethylbenzene	6.936	106	283181	20.2872	ug/l	97
75)	1,1,2,2-Tetrachloroethane	7.576	83	256788	21.2436	ug/l	96
77)	Styrene	7.225	104	641881	21.6919	ug/l	95
78)	m&p-Xylenes	6.994	106	793245	44.4385	ug/l	94
79)	o-Xylene	7.222	106	389961	21.1441	ug/l	87
80)	trans-1,4-Dichloro-2-b...	7.605	53	72338	13.4498	ug/l	89
81)	1,3-Dichlorobenzene	8.148	146	400634	20.1192	ug/l	97
82)	1,4-Dichlorobenzene	8.200	146	426341	20.0509	ug/l	96
83)	1,2-Dichlorobenzene	8.422	146	400934	20.8736	ug/l	95
84)	Isopropylbenzene	7.422	105	931644	22.2432	ug/l	98
85)	Cyclohexanone	7.499	55	31827	84.3178	ug/l	94
86)	Camphene	7.592	93	32264	2.7704	ug/l	82
87)	1,2,3-Trichloropropane	7.611	75	311255	19.8818	ug/l	99
88)	2-Chlorotoluene	7.721	91	597424	21.7499	ug/l	93
89)	p-Ethyltoluene	7.711	105	886691	21.3011	ug/l	95
90)	4-Chlorotoluene	7.778	91	566883	19.7186	ug/l	96
91)	n-Propylbenzene	7.650	91	1054743	21.2496	ug/l	97
92)	Bromobenzene	7.621	77	471039	18.9974	ug/l	75
93)	1,3,5-Trimethylbenzene	7.740	105	683293	21.2016	ug/l	96
94)	Butyl methacrylate	7.750	41	265895	21.5546	ug/l	66
95)	t-Butylbenzene	7.936	119	640500	20.7452	ug/l	99
96)	1,2,4-Trimethylbenzene	7.962	105	709893	21.5912	ug/l	99
97)	sec-Butylbenzene	8.061	105	779102	21.5709	ug/l	97
98)	4-Isopropyltoluene	8.135	119	643366	20.9163	ug/l	98
99)	n-Butylbenzene	8.373	91	663658	20.1257	ug/l	95
100)	p-Diethylbenzene	8.357	119	339199	18.0089	ug/l	95
101)	1,2,4,5-Tetramethylben...	8.817	119	444177	17.9834	ug/l	98
102)	1,2-Dibromo-3-Chloropr...	8.872	157	47202	18.7145	ug/l	81
103)	Camphor	9.312	95	206527	186.5351	ug/l	100
104)	Hexachlorobutadiene	9.450	225	79419	17.3407	ug/l	99
105)	1,2,4-Trichlorobenzene	9.367	180	187125	18.5205	ug/l	93
106)	1,2,3-Trichlorobenzene	9.669	180	165481	19.3993	ug/l	96
107)	Naphthalene	9.528	128	520387	20.3472	ug/l	99

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


Abundance
TIC: 1M161749.D\data.ms
Quant QT Reviewed
SampleID : AD30710-001(MS)
Data File: 1M161749.D
Acq On : 05/16/22 22:22
Operator : jm
Sam Mult : 1
Vial# : 36
Misc : A,5ML13
Qt Meth : 1M_A0421.M
Qt On : 05/17/22 08:21
Qt Upd On: 04/22/22 09:35
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 1M161749.D\data.ms
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methyl methacrylate
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->


Abundance
TIC: 1M161749.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,C
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : AD30710-001(MSD) Operator : jm Qt Meth : 1M_A0421.M
Data File: 1M161750.D Sam Mult : 1 Vial# : 37 Qt On : 05/17/22 08:21
Acq On : 05/16/22 22:41 Misc : A,5ML!2 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.151	96	1442446	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.871	117	1171234	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.183	152	608051	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.727	111	398312	30.98	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.27%			
39) 1,2-Dichloroethane-d4	4.949	67	217668	31.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.17%			
66) Toluene-d8	6.058	98	1478059	28.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.10%			
76) Bromofluorobenzene	7.521	174	501775	30.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.13%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.669	51	288197m	21.8110	ug/l	
6) Dichlorodifluoromethane	1.659	85	241728m	28.2945	ug/l	
7) Chloromethane	1.827	50	219716	27.1055	ug/l	93
8) Bromomethane	2.206	94	110071	13.3799	ug/l	92
9) Vinyl Chloride	1.917	62	318728	31.8452	ug/l	97
10) Chloroethane	2.286	64	194968	26.7905	ug/l	99
11) Trichlorofluoromethane	2.505	101	488375	25.9382	ug/l	93
12) Ethyl ether	2.737	59	190083	21.3589	ug/l	86
13) Furan	2.775	39	374127	21.4825	ug/l	87
14) 1,1,2-Trichloro-1,2,2-...	2.933	101	232268m	25.8548	ug/l	
15) Methylene Chloride	3.338	84	247744	25.5227	ug/l	77
16) Acrolein	2.849	56	209253	118.9858	ug/l	94
17) Acrylonitrile	3.540	53	91830	24.9993	ug/l	93
18) Iodomethane	3.081	142	127815	10.4891	ug/l	99
19) Acetone	2.971	43	323340	122.4352	ug/l	89
20) Carbon Disulfide	3.151	76	567390	23.2350	ug/l	100
21) t-Butyl Alcohol	3.409	59	119403	125.4793	ug/l	91
22) n-Hexane	3.811	57	237245	26.7692	ug/l	97
23) Di-isopropyl-ether	3.981	45	783599	27.5568	ug/l	81
24) 1,1-Dichloroethene	2.942	61	409002	26.7245	ug/l	95
25) Methyl Acetate	3.248	43	168345	23.6401	ug/l	100
26) Methyl-t-butyl ether	3.573	73	697820	25.0193	ug/l	94
27) 1,1-Dichloroethane	3.942	63	487731	26.6672	ug/l	92
28) trans-1,2-Dichloroethene	3.582	96	273669	26.5502	ug/l	94
29) Ethyl-t-butyl ether	4.277	59	686801	24.3273	ug/l	94
30) cis-1,2-Dichloroethene	4.402	61	453004	26.2707	ug/l	93
31) Bromochloromethane	4.573	49	221222	27.2343	ug/l	83
32) 2,2-Dichloropropane	4.405	77	381712	23.4479	ug/l	98
33) Ethyl acetate	4.438	43	214802	23.6414	ug/l	100
34) 1,4-Dioxane	5.576	88	105495	1060.2789	ug/l	93
35) 1,1-Dichloropropene	4.859	75	352801	26.0084	ug/l	94
36) Chloroform	4.614	83	470568	25.6563	ug/l	94
38) Cyclohexane	4.798	56	324045	25.7752	ug/l	90
40) 1,2-Dichloroethane	4.994	62	367895	23.2865	ug/l	95
41) 2-Butanone	4.402	43	89706m	26.4592	ug/l	
42) 1,1,1-Trichloroethane	4.756	97	437477	24.7403	ug/l	99
43) Carbon Tetrachloride	4.865	117	370276	24.6804	ug/l	98
44) Vinyl Acetate	3.971	43	861884	27.8451	ug/l	100
45) Bromodichloromethane	5.646	83	327647	25.1366	ug/l	94
46) Methylcyclohexane	5.489	83	268447	23.6592	ug/l	100
47) Dibromomethane	5.572	174	168072	24.4583	ug/l	85
48) 1,2-Dichloropropane	5.499	63	251123	26.3676	ug/l	100
49) Trichloroethene	5.367	130	267843	24.8744	ug/l	95
50) Benzene	4.991	78	950530	25.2024	ug/l	100
51) tert-Amyl methyl ether	5.042	73	633365	25.0594	ug/l	97
53) Iso-propylacetate	4.997	43	446382	22.5740	ug/l	95
54) Methyl methacrylate	5.534	41	193346	24.2949	ug/l	82
55) Dibromochloromethane	6.544	129	215657	21.1685	ug/l	97
57) cis-1,3-Dichloropropene	5.900	75	370439	22.4758	ug/l	94
58) trans-1,3-Dichloropropene	6.199	75	350589	22.8812	ug/l	99
59) Ethyl methacrylate	6.228	41	214293	23.7907	ug/l	80
60) 1,1,2-Trichloroethane	6.312	97	212714	22.7065	ug/l	95
61) 1,2-Dibromoethane	6.621	107	216219	21.8777	ug/l	100
62) 1,3-Dichloropropane	6.408	76	373507	22.9435	ug/l	95
63) 4-Methyl-2-Pentanone	5.974	43	222311	24.7956	ug/l	99
64) 2-Hexanone	6.431	43	146452	24.6138	ug/l	98
65) Tetrachloroethene	6.412	164	211787	22.9988	ug/l	98
67) Toluene	6.097	92	614588	23.4976	ug/l	92
68) 1,1,1,2-Tetrachloroethane	6.926	133	230867	23.3637	ug/l	90

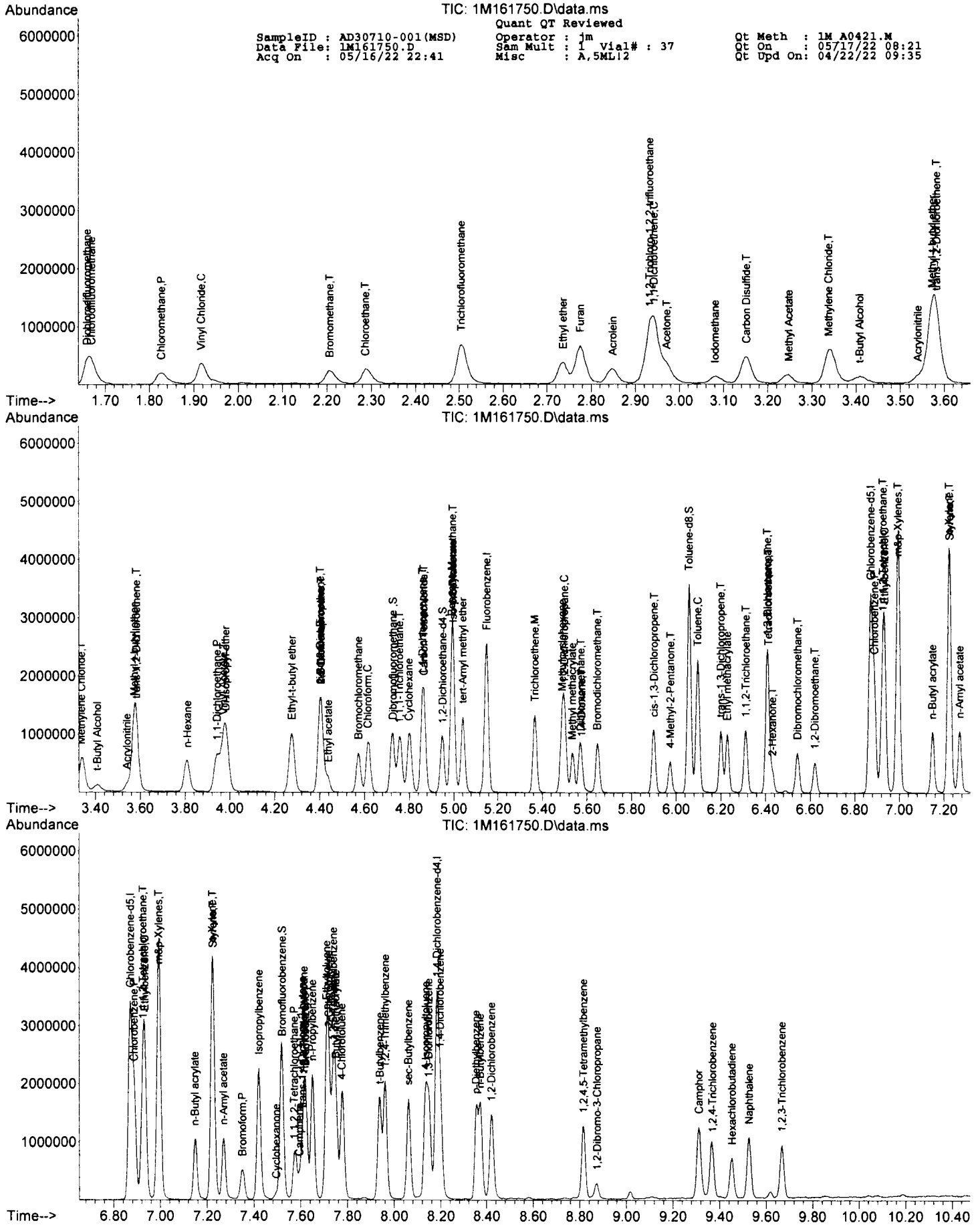
Quantitation Report (QT Reviewed)

SampleID : AD30710-001(MSD) Operator : jm Qt Meth : 1M_A0421.M
Data File: 1M161750.D Sam Mult : 1 Vial# : 37 Qt On : 05/17/22 08:21
Acq On : 05/16/22 22:41 Misc : A,5ML!2 Qt Upd On: 04/22/22 09:35

Data Path : G:\GcMsData\2022\GCMS_1\Data\05-16-22\
Qt Path : G:\GcMsData\2022\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
69)	Chlorobenzene	6.888	112	664221	23.4877	ug/l	92
71)	n-Butyl acrylate	7.148	55	464338	24.6656	ug/l	91
72)	n-Amyl acetate	7.270	43	395336	24.2395	ug/l	89
73)	Bromoform	7.351	173	148806	20.2613	ug/l	97
74)	Ethylbenzene	6.933	106	313216	21.2987	ug/l	99
75)	1,1,2,2-Tetrachloroethane	7.572	83	278884	21.8992	ug/l	94
77)	Styrene	7.225	104	710059	22.7767	ug/l	98
78)	m&p-Xylenes	6.994	106	844614	44.9120	ug/l	95
79)	o-Xylene	7.222	106	417701	21.4974	ug/l	94
80)	trans-1,4-Dichloro-2-b...	7.608	53	77071	13.6017	ug/l	87
81)	1,3-Dichlorobenzene	8.148	146	444186	21.1729	ug/l	95
82)	1,4-Dichlorobenzene	8.196	146	455170	20.3190	ug/l	99
83)	1,2-Dichlorobenzene	8.421	146	432802	21.3877	ug/l	95
84)	Isopropylbenzene	7.421	105	1018939	23.0912	ug/l	99
85)	Cyclohexanone	7.495	55	28885	72.6739	ug/l	94
86)	Camphene	7.595	93	43778	3.5680	ug/l	97
87)	1,2,3-Trichloropropane	7.614	75	326546	19.7986	ug/l	98
88)	2-Chlorotoluene	7.720	91	649292	22.4371	ug/l	93
89)	p-Ethyltoluene	7.711	105	962916	21.9568	ug/l	93
90)	4-Chlorotoluene	7.775	91	611610	20.1934	ug/l	96
91)	n-Propylbenzene	7.650	91	1152429	22.0379	ug/l	97
92)	Bromobenzene	7.621	77	554013m	21.2085	ug/l	
93)	1,3,5-Trimethylbenzene	7.740	105	751302	22.1273	ug/l	98
94)	Butyl methacrylate	7.749	41	293649	22.5949	ug/l	65
95)	t-Butylbenzene	7.939	119	698980	21.4889	ug/l	98
96)	1,2,4-Trimethylbenzene	7.961	105	782269	22.5835	ug/l	99
97)	sec-Butylbenzene	8.061	105	832739	21.8843	ug/l	97
98)	4-Isopropyltoluene	8.135	119	700356	21.6122	ug/l	98
99)	n-Butylbenzene	8.373	91	717632	20.6566	ug/l	96
100)	p-Diethylbenzene	8.354	119	376644	18.9808	ug/l	94
101)	1,2,4,5-Tetramethylben...	8.817	119	475699	18.2810	ug/l	98
102)	1,2-Dibromo-3-Chloropr...	8.875	157	48229	18.1501	ug/l	91
103)	Camphor	9.312	95	226702	194.3528	ug/l	99
104)	Hexachlorobutadiene	9.453	225	85351	17.6889	ug/l	97
105)	1,2,4-Trichlorobenzene	9.370	180	215468	20.2421	ug/l	97
106)	1,2,3-Trichlorobenzene	9.669	180	193699	21.5535	ug/l	97
107)	Naphthalene	9.527	128	594163	22.0513	ug/l	99

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


Abundance
TIC: 1M161750.D\data.ms
Quant QT Reviewed
SampleID : AD30710-001(MSD)
Data File: 1M161750.D
Acq On : 05/16/22 22:41
Operator : jm
Sam Mult : 1
Vial# : 37
Misc : A,5ML12
Qt Meth : 1M_A0421.M
Qt On : 05717/22 08:21
Qt Upd On: 04/22/22 09:35
Time-->

GC/MS Volatile Data
Logbook Data

RUN LOG

Instrument: GCMS_1 Year: 2022
Analyst: JM

1-1-1M160725

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M160725.	BFB TUNE		V-363107,V-361878,V-368185	SG 04/22/22						04/21 16:24
1M160726.	CAL @ 0.5 PPB		B-32717	SG 04/22/22		Aqueous	1	1	624\8260	04/21 16:45
1M160727.	CAL @ 1 PPB		B-32717	SG 04/22/22		Aqueous	1	1	624\8260	04/21 17:06
1M160728.	CAL @ 5 PPB		B-32717	SG 04/22/22		Aqueous	1	1	624\8260	04/21 17:27
1M160729.	CAL @ 10 PPB		B-32717	SG 04/22/22		Aqueous	1	1	624\8260	04/21 17:48
1M160730.	CAL @ 20 PPB		B-32717	SG 04/22/22		Aqueous	1	1	624\8260	04/21 18:09
1M160731.	CAL @ 50 PPB		B-32717	SG 04/22/22		Aqueous	1	1	624\8260	04/21 18:29
1M160732.	CAL @ 500 PPB		B-32717	SG 04/22/22		Aqueous	1	1	624\8260	04/21 18:50
1M160734.	CAL @ 250 PPB		B-32717	SG 04/22/22		Aqueous	1	1	624\8260	04/21 19:32
1M160736.	CAL @ 100 PPB		B-32717	SG 04/22/22		Aqueous	1	1	624\8260	04/21 20:14
1M160741.	ICV	IsIvoBnf	V-371145	SG 04/22/22		Aqueous	1	1	624\8260	04/21 21:58

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warnion Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warnion c30/c20 not checked
B6m	Blank 600 series missing	Eto	Tclo/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eob
B8m	Blank 8000 series missing	Eto	Tclo Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C1f	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing dtl or eodnn
C1f	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R1f R2f	Rpd Out on MsMsd (col1 and or col2) 600 series
C2f	Calibration Column 2 Out (600 Series)	I1f I2f	Initial cal 600 series failed Column 1 and or 2	R1f R2f	Rpd Out on MsMsd (col1 and or col2) 8000 series
C2f	Calibration Column 2 Out (8000 Series)	I1f I2f	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for ioit calibration chek rfs	S6	600 series surrogate out
Cme	Endinn Cal missing for sample (8000 series)	Iw	Initial cal warnion Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

RUN LOG

Instrument: GCMS_1 Year: 2022
Analyst: SG

1-1-1M161535

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M161535.	BFB TUNE		V-370625,V-369966,V-370456,V-372247	SG 05/11/22						05/11 12:54
1M161538.	CAL @ 20PPB		OK	SG 05/11/22		Aqueous	1	1	624\8260	05/11 13:46
1M161540.	BLK					Aqueous	1	1	624\8260	05/11 14:24
1M161541.	HCL					Aqueous	1	1	624\8260	05/11 14:42
1M161542.	DAILY BLANK		OK,V-14375	SG 05/11/22		Methano	1	1	8260D	05/11 15:01
1M161543.	DAILY BLANK		ok	sg 05/11/22		Aqueous	1	1	624\8260	05/11 15:20
1M161544.	AD30683-012		OK	SG 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/11 15:39
1M161545.	AD30683-002		OK MBS101555	SG 05/12/22	VOBTEX-826	Aqueous	1	1	624\8260	05/11 15:58
1M161546.	MBS101555		OK MBS101555	SG 05/11/22		Aqueous	1	1	624\8260	05/11 16:17
1M161547.	30679-003		RR-5g	SG 05/11/22		Methano	1	2.607	8260D	05/11 16:35
1M161548.	AD30682-026		OK	JM 05/12/22	VO15-8260	Aqueous	1	1	8260D	05/11 16:54
1M161549.	AD30682-025		RR-1X	JM 05/12/22	VO15-8260	Aqueous	1	1	8260D	05/11 17:13
1M161550.	AD30682-013		OK	JM 05/12/22	VO15-8260	Aqueous	1	1	8260D	05/11 17:31
1M161551.	MBS101556		MBS101556			Methano	1	1	8260D	05/11 17:50
1M161552.	AD30683-010(MS:A		OK MBS101555	JM 05/12/22	VOBTEX-826	Aqueous	1	1	624\8260	05/11 18:09
1M161553.	AD30683-011(MSD:		OK MBS101555	JM 05/12/22	VOBTEX-826	Aqueous	1	1	624\8260	05/11 18:28
1M161554.	BLK					Aqueous	1	1	624\8260	05/11 18:47
1M161555.	BLK					Aqueous	1	1	624\8260	05/11 19:06
1M161556.	AD30683-013		RR-1X	JM 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/11 19:24
1M161557.	AD30682-029		RR-1X	JM 05/12/22	VO15-8260	Aqueous	1	1	8260D	05/11 19:43
1M161558.	AD30682-030		RR-1X	JM 05/12/22	VO15-8260	Aqueous	1	1	8260D	05/11 20:02
1M161559.	AD30679-017		RR-1X	JM 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/11 20:21
1M161560.	AD30667-003		OK	JM 05/12/22	VO15-8260	Aqueous	1	1	8260D	05/11 20:39
1M161561.	AD30667-013		OK	JM 05/12/22	VO15-8260	Aqueous	1	1	8260D	05/11 20:58
1M161562.	AD30683-013		OK	SG 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/11 21:17
1M161563.	AD30682-029		OK	JM 05/12/22	VO15-8260	Aqueous	1	1	8260D	05/11 21:36
1M161564.	AD30682-030		OK	JM 05/12/22	VO15-8260	Aqueous	1	1	8260D	05/11 21:54
1M161565.	AD30683-003		OK	SG 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/11 22:13
1M161566.	AD30683-005		OK	SG 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/11 22:32
1M161567.	AD30683-008		OK	SG 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/11 22:51
1M161568.	AD30683-001		OK	SG 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/11 23:10
1M161569.	AD30683-004		OK	SG 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/11 23:28
1M161570.	AD30683-006		OK	SG 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/11 23:47
1M161571.	AD30683-007		OK MBS101578	SG 05/12/22	VOBTEX-826	Aqueous	1	1	624\8260	05/12 00:06
1M161572.	AD30683-009		OK	SG 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/12 00:24
1M161573.	AD30679-017		OK	JM 05/12/22	VOBTEX-826	Aqueous	1	1	8260D	05/12 00:43
1M161574.	BLK	Ti6Ti8				Aqueous	1	1	624\8260	05/12 01:02

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ...not checked
B6m	Blank 600 series missing	Eto	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enb
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C18	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	Evrc	Eval Mix missing drll or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R18 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C28	Calibration Column 2 Out (600 Series)	I18 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rls	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked (or sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

RUN LOG

1-1-1M161671

Instrument: GCMS_1 Year: 2022
Analyst: SG

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M161671.	BFB TUNE		V-370625,V-369966,V-370456,V-372369	SG 05/13/22						05/13 16:33
1M161672.	STD	CnAnc				Aqueous	1	1	624\8260	05/13 16:52
1M161675.	STD	CnAnc				Aqueous	1	1	624\8260	05/13 17:42
1M161676.	CAL @ 20 PPB		OK	SG 05/16/22		Aqueous	1	1	624\8260	05/13 18:01
1M161677.	BLK					Aqueous	1	1	624\8260	05/13 18:19
1M161678.	DI					Aqueous	1	1	624\8260	05/13 18:38
1M161679.	DAILY BLANK					Methano	1	1	8260D	05/13 18:57
1M161680.	DAILY BLANK		OK	SG 05/16/22		Aqueous	1	1	624\8260	05/13 19:16
1M161681.	AD30710-002		OK	SG 05/16/22	VO10-8260	Aqueous	1	1	8260D	05/13 19:35
1M161682.	AD30710-003		OK	SG 05/16/22	VO10-8260	Aqueous	1	1	8260D	05/13 19:54
1M161683.	AD30732-001		OK	SG 05/16/22	VOBTEX-624.	Aqueous	1	1	624	05/13 20:12
1M161684.	AD30732-002		OK	SG 05/16/22	VOBTEX-624.	Aqueous	1	1	624	05/13 20:31
1M161685.	AD30721-002		OK	SG 05/16/22	VO15-8260	Aqueous	1	1	8260D	05/13 20:50
1M161686.	MBS101578	M18	OK MBS101578	SG 05/16/22		Aqueous	1	1	624\8260	05/13 21:09
1M161687.	AD30683-007(MS)	M16M18	OK MBS101578	SG 05/16/22	VOBTEX-826	Aqueous	1	1	624\8260	05/13 21:27
1M161688.	AD30683-007(MSD)	M16M18	OK MBS101578	SG 05/16/22	VOBTEX-826	Aqueous	1	1	624\8260	05/13 21:46
1M161689.	BLK					Aqueous	1	1	624\8260	05/13 22:05
1M161690.	BLK					Aqueous	1	1	624\8260	05/13 22:24
1M161691.	AD30721-001		OK	SG 05/16/22	VO15-8260	Aqueous	1	1	8260D	05/13 22:43
1M161692.	AD30721-003		OK	SG 05/16/22	VO15-8260	Aqueous	1	1	8260D	05/13 23:02
1M161693.	AD30721-004		OK	SG 05/16/22	VO15-8260	Aqueous	1	1	8260D	05/13 23:20
1M161694.	AD30722-009		OK	SG 05/16/22	VO15-8260	Aqueous	1	1	8260D	05/13 23:39
1M161695.	AD30722-010		OK	SG 05/16/22	VO15-8260	Aqueous	1	1	8260D	05/13 23:58
1M161696.	AD30722-011		OK	SG 05/16/22	VO15-8260	Aqueous	1	1	8260D	05/14 00:17
1M161697.	AD30709-005		OK	SG 05/16/22	VO-8260	Aqueous	1	1	8260D	05/14 00:35
1M161698.	AD30709-006		OK	SG 05/16/22	VO-8260	Aqueous	1	1	8260D	05/14 00:54
1M161699.	AD30709-007		RR-1X POS CO	SG 05/16/22	VO-8260	Aqueous	1	1	8260D	05/14 01:13
1M161700.	AD30709-008		RR-1X POS CO	SG 05/16/22	VO-8260	Aqueous	1	1	8260D	05/14 01:32
1M161701.	AD30710-001		RR-1X CO	SG 05/16/22	VO10-8260	Aqueous	1	1	624\8260	05/14 01:51
1M161702.	AD30701-001		RR-1X CO	SG 05/16/22	VO15-8260	Aqueous	1	1	8260D	05/14 02:09
1M161703.	AD30698-011		OK	SG 05/16/22	VOBTEX-826	Aqueous	1	1	8260D	05/14 02:28
1M161704.	AD30698-009		OK	SG 05/16/22	VOBTEX-826	Aqueous	1	1	8260D	05/14 02:47
1M161705.	AD30698-010		OK	SG 05/16/22	VOBTEX-826	Aqueous	1	1	8260D	05/14 03:06
1M161706.	BLK					Aqueous	1	1	624\8260	05/14 03:24

Anc	Area Not Checked	Fo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Fsm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Ftn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
B8m	Blank 8000 series missing	Fto	Tclp Extraction Performed Outside of Hold	FvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Fv	Eval Time Exceeded	Fvnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Fvrc	Eval Mix missing drlt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R1B R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R1B R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C8f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

RUN LOG

Instrument: GCMS_1 Year: 2022
Analyst: jm

1-1-1M161720

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M161720.	BFB TUNE		V-370625,V-369966,V-370456,V-372467	SG 05/16/22						05/16 13:32
1M161722.	STD	CnB6mAnc				Aqueous	1	1	624\8260	05/16 14:05
1M161723.	CAL @ 20 PPB	C16	OK for 8260	SG 05/16/22		Aqueous	1	1	624\8260	05/16 14:24
1M161728.	DI	C6fB6m				Aqueous	1	1	624\8260	05/16 15:50
1M161729.	DAILY BLANK		ok,v-14375	SG 05/16/22		Methano	1	1	8260D	05/16 16:09
1M161730.	DAILY BLANK	C6f	ok	sg 05/16/22		Aqueous	1	1	624\8260	05/16 16:27
1M161731.	AD30710-001	C6f	OK MBS101592	WP 05/17/22	VO10-8260	Aqueous	1	1	624\8260	05/16 16:46
1M161732.	AD30744-006		OK	WP 05/17/22	VO15-8260	Aqueous	1	1	8260D	05/16 17:04
1M161733.	AD30773-001		OK	WP 05/17/22	VO15-8260	Aqueous	1	1	8260D	05/16 17:23
1M161734.	AD30773-002		OK	WP 05/17/22	VO15-8260	Aqueous	1	1	8260D	05/16 17:42
1M161735.	AD30729-001		OK	WP 05/17/22	VO-8260	Methano	1	1	8260D	05/16 18:01
1M161736.	MBS101591		OK MBS101591	WP 05/17/22		Methano	1	1	8260D	05/16 18:19
1M161737.	MBS101592	C6fM18	OK MBS101592	WP 05/17/22		Aqueous	1	1	624\8260	05/16 18:38
1M161738.	AD30736-004		QC ONLY MBS101591	WP 05/17/22	VOBTEX-826	Methano	1	1	8260D	05/16 18:57
1M161739.	AD30776-007		OK	WP 05/18/22	VO15-8260	Methano	1	1	8260D	05/16 19:15
1M161740.	AD30776-006(40uL)		RR-80uL	WP 05/18/22	VO-8260	Methano	1	20	8260D	05/16 19:34
1M161741.	30776-002(80uL)		RR-80uL	WP 05/18/22		Methano	1	10	8260D	05/16 19:52
1M161742.	AD30776-001(400u		OK	WP 05/17/22	VO-8260	Methano	1	2	8260D	05/16 20:11
1M161743.	AD30736-004(MS)		OK MBS101591	WP 05/17/22	VOBTEX-826	Methano	1	1	8260D	05/16 20:30
1M161744.	AD30736-004(MSD)		OK MBS101591	WP 05/17/22	VOBTEX-826	Methano	1	1	8260D	05/16 20:48
1M161745.	BLK	C6f				Aqueous	1	1	624\8260	05/16 21:07
1M161746.	BLK	C6f				Aqueous	1	1	624\8260	05/16 21:26
1M161747.	AD30723-003(0.8uL		OK	WP 05/17/22	VO-8260	Methano	1	1000	8260D	05/16 21:45
1M161748.	AD30723-004(0.8uL		OK	WP 05/17/22	VO-8260	Methano	1	1000	8260D	05/16 22:04
1M161749.	AD30710-001(MS)	C6fM16M18	OK MBS101592	WP 05/17/22	VO10-8260	Aqueous	1	1	624\8260	05/16 22:22
1M161750.	AD30710-001(MSD)	C6fM16M18	OK MBS101592	WP 05/17/22	VO10-8260	Aqueous	1	1	624\8260	05/16 22:41
1M161751.	STD					Methano	1	1	8260D	05/16 23:00
1M161752.	STD	C6f				Aqueous	1	1	624\8260	05/16 23:18

Anc	Area Not Checked	Fp	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Fsm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Ftn	Tcln/Solvent Extraction Date Missing/Not check'd	Crn	C30/C20 failed for eph
B8m	Blank 8000 series missing	Fto	Tcln Extraction Performed Outside of Hold	FvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Fv	Eval Time Exceeded	Fvnc	Eval Mix Not Checked
C1A	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	Fvrr	Eval Mix missing drft or endrin
C1A	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R1A R2A	Rpd Out on MsMsd (col1 and or col2) 600 series
C2A	Calibration Column 2 Out (600 Series)	I1A I2A	Initial cal 600 series failed Column 1 and or 2	R1A R2A	Rpd Out on MsMsd (col1 and or col2) 8000 series
C2A	Calibration Column 2 Out (8000 Series)	I1A I2A	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmst csv for init calibration chek rfs	SA	600 series surrogate out
Cme	Endrop Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	SA	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-340303

Prepared By: Revolus, Jean
Description: VOA ADD MIX
Prep Date: 12/18/2020
Expiration Date: 12/18/2021
Department: Organics
BatchNumber:
Concentration: 5000/25000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 12/20/20
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
13605	methyl alcohol		neat neat	
12762	p-Diethylbenzene	50 mg	NEAT	5000 ppm
12764	Cyclohexanone	250 mg	NEAT	25000 ppm
12815	p-Ethyltoluene	50 mg	NEAT	5000 ppm

Veritech Lot Number: V-340304

Prepared By: Revolus, Jean
Description: VOA ADD MIX(2nd Source)
Prep Date: 12/18/2020
Expiration Date: 12/18/2021
Department: Organics
BatchNumber:
Concentration: 5000/25000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 12/20/20
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
13605	methyl alcohol		neat neat	
12762	p-Diethylbenzene	50 mg	NEAT	5000 ppm
12764	Cyclohexanone	250 mg	NEAT	25000 ppm
12815	p-Ethyltoluene	50 mg	NEAT	5000 ppm

Veritech Lot Number: V-340305

Prepared By: Revolus, Jean
Description: Voa Extra Add Mix
Prep Date: 12/18/2020
Expiration Date: 12/18/2021
Department: Organics
BatchNumber:
Concentration: 2000-20000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 12/20/20
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
12763	Isopropyl acetate	20 mg	NEAT	2000 ppm
11935	Ethyl acetate	20 mg	Neat	2000 ppm
13605	methyl alcohol	10 ml	neat neat	
13191	d-Camphor	200 mg	Neat	20000 ppm
13194	n-Butyl acrylate	20 mg	Neat	2000 ppm
13192	n-Amyl acetate	20 mg	NEAT	2000 ppm
13195	Methyl methacrylate	20 mg	Neat	2000 ppm
12766	Ethyl methacrylate	20 mg	NEAT	2000 ppm
12761	Camphene	20 mg	NEAT	2000 ppm
11932	Butyl methacrylate	20 mg	Neat	2000 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-340306

Prepared By: Revolus, Jean
Description: Voa Extra Add Mix(2nd Source)
Prep Date: 12/18/2020
Expiration Date: 12/18/2021
Department: Organics
BatchNumber:
Concentration: 2000-20000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 12/20/20
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
11935	Ethyl acetate	20 mg	Neat	2000 ppm
12763	Isopropyl acetate	20 mg	NEAT	2000 ppm
13194	n-Butyl acrylate	20 mg	Neat	2000 ppm
13195	Methyl methacrylate	20 mg	Neat	2000 ppm
13192	n-Amyl acetate	20 mg	NEAT	2000 ppm
13191	d-Camphor	200 mg	Neat	20000 ppm
13605	methyl alcohol	10 ml	neat neat	
12766	Ethyl methacrylate	20 mg	NEAT	2000 ppm
12761	Camphene	20 mg	NEAT	2000 ppm
11932	Butyl methacrylate	20 mg	Neat	2000 ppm

Veritech Lot Number: V-351304

Prepared By: Previlon, Wilner
Description: VOA WORKING INT/SURR MIX
Prep Date: 6/7/2021
Expiration Date: 6/7/2022
Department: Organics
BatchNumber:
Concentration: 150 ppm
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 06/08/21
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
13605	methyl alcohol	88 ml	neat neat	
13053	8260A Surrogate Mix	6 ml	2500 ppm	150 ppm
13052	Internal Standard Mix	6 ml	2500 ppm	150 ppm

Veritech Lot Number: V-351460

Prepared By: Revolus, Jean
Description: Ethyl ether/Furan Mix
Prep Date: 6/9/2021
Expiration Date: 6/9/2022
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: akmal
ApproveDate: 06/09/21
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
13905	methyl alcohol	10 ml	neat neat	
13987	Ethyl Ether	50 mg	NEAT	5000 ppm
11587	Furan	50 mg	NEAT neat	5000 ppm

Veritech Lot Number: V-351461

Prepared By: Revolus, Jean
Description: Ethyl ether/Furan Mix(2nd Source)
Prep Date: 6/9/2021
Expiration Date: 6/9/2022
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: akmal
ApproveDate: 06/09/21
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
13987	Ethyl Ether	50 mg	NEAT	5000 ppm
11587	Furan	50 mg	NEAT neat	5000 ppm
13905	methyl alcohol	10 ml	neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-361878

Prepared By: Previlon, Wilner | Department: Organics | ApprovedBy: akmal
Description: VOA WORKING INT/SURR MIX | BatchNumber: | ApproveDate: 11/17/21
Prep Date: 11/15/2021 | Concentration: 150 ppm | Checked: Yes
Expiration Date: 5/15/2022 | Final Volume: 100 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
13605	methyl alcohol	88 ml	neat neat	
13053	8260A Surrogate Mix	6 ml	2500 ppm	150 ppm
13052	Internal Standard Mix	6 ml	2500 ppm	150 ppm

Veritech Lot Number: V-363107

Prepared By: Mercado, Jonathon | Department: Organics | ApprovedBy: akmal
Description: BFB Tune Mix | BatchNumber: | ApproveDate: 12/09/21
Prep Date: 12/6/2021 | Concentration: 50 ppm | Checked: Yes
Expiration Date: 6/7/2022 | Final Volume: 1.5 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-351304	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
14143	Methyl Alcohol	1000 ul	neat neat	

Veritech Lot Number: V-367113

Prepared By: Mercado, Jonathon | Department: Organics | ApprovedBy: akmal
Description: 20ppm Freon VOA Working Std | BatchNumber: | ApproveDate: 02/14/22
Prep Date: 2/11/2022 | Concentration: VARIOUS pp | Checked: Yes
Expiration Date: 5/22/2022 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14150	Methyl Alcohol	900 ul	neat neat	neat
14443	Chlorodifluoromethane(Freon#22)	100 ul	200 ppm	200 ppm

Veritech Lot Number: V-368183

Prepared By: Mercado, Jonathon | Department: Organics | ApprovedBy: akmal
Description: 200ppm VOA Working Std | BatchNumber: | ApproveDate: 03/08/22
Prep Date: 3/7/2022 | Concentration: VARIOUS pp | Checked: Yes
Expiration Date: 6/9/2022 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14150	Methyl Alcohol	220 ul	neat neat	neat
13964	502.2 Calibration Mix #1	100 ul	2000 ppm	200 ppm
13959	502.2 Cal2000 Mega-Mix	100 ul	2000 ppm	200 ppm
14000	Epa 8260 Calibration MIX 2	100 ul	2000 ppm	200 ppm
14441	Custom VOC Standard	100 ul	VARIOUS	various ppm
14338	tert-Amyl Methyl Ether Standard	100 ul	2000 ppm	200 ppm
V-340303	VOA ADD MIX	40 ul	5000/25000 p	various ppm
V-340305	Voa Extra Add Mix	100 ul	2000-20000 p	200 ppm
V-351460	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm
13998	Ethyl-tert-Butyl Ether(ETBE)	100 ul	2000 ppm	200 ppm

Veritech Lot Number: V-368184

Prepared By: Mercado, Jonathon | Department: Organics | ApprovedBy: akmal
Description: 20ppm VOA Working Std | BatchNumber: | ApproveDate: 03/08/22
Prep Date: 3/7/2022 | Concentration: VARIOUS pp | Checked: Yes
Expiration Date: 6/9/2022 | Final Volume: 1 ml

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14150	Methyl Alcohol	900 ul	neat neat	neat
V-368183	200ppm VOA Working Std	100 ul	VARIOUS pp	200 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-368185

Prepared By: Goring, Shawn
Description: MBS
Prep Date: 3/7/2022
Expiration Date: 6/9/2022
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 03/08/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
13905	methyl alcohol	610 ul	neat neat	neat neat
13963	502.2 Calibration Mix #1	50 ul	2000 ppm	100 ppm
14001	Epa 502/524 Volatile Organic Cal Mix	50 ul	2000 ppm	100 ppm
13705	EPA 8260 Calibration Mix 2	50 ul	2000 ppm	100 ppm
14442	Custom VOC Standard	50 ul	VARIOUS	various ppm
13961	tert-Amyl Methyl Ether Std.(TAME)	50 ul	2000 ppm	100 ppm
V-340304	VOA ADD MIX(2nd Source)	20 ul	5000/25000 p	various ppm
V-340306	Voa Extra Add Mix(2nd Source)	50 ul	2000-20000 p	100-1000 pp
V-351461	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm
13997	Ethyl-tert-Butyl Ether(ETBE)	50 ul	2000 ppm	100 ppm

Veritech Lot Number: V-369836

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 3/29/2022
Expiration Date: 6/9/2022
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 03/31/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14150	Methyl Alcohol	220 ul	neat neat	neat
13964	502.2 Calibration Mix #1	100 ul	2000 ppm	200 ppm
13959	502.2 Cal2000 Mega-Mix	100 ul	2000 ppm	200 ppm
14000	Epa 8260 Calibration MIX 2	100 ul	2000 ppm	200 ppm
14441	Custom VOC Standard	100 ul	VARIOUS	various ppm
14338	tert-Amyl Methyl Ether Standard	100 ul	2000 ppm	200 ppm
V-340303	VOA ADD MIX	40 ul	5000/25000 p	various ppm
V-340305	Voa Extra Add Mix	100 ul	2000-20000 p	200 ppm
V-351460	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm
13998	Ethyl-tert-Butyl Ether(ETBE)	100 ul	2000 ppm	200 ppm

Veritech Lot Number: V-369837

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 3/29/2022
Expiration Date: 6/9/2022
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 03/31/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
13905	methyl alcohol	610 ul	neat neat	neat neat
13963	502.2 Calibration Mix #1	50 ul	2000 ppm	100 ppm
14001	Epa 502/524 Volatile Organic Cal Mix	50 ul	2000 ppm	100 ppm
13705	EPA 8260 Calibration Mix 2	50 ul	2000 ppm	100 ppm
14442	Custom VOC Standard	50 ul	VARIOUS	various ppm
13961	tert-Amyl Methyl Ether Std.(TAME)	50 ul	2000 ppm	100 ppm
V-340304	VOA ADD MIX(2nd Source)	20 ul	5000/25000 p	various ppm
V-340306	Voa Extra Add Mix(2nd Source)	50 ul	2000-20000 p	100-1000 pp
V-351461	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm
13997	Ethyl-tert-Butyl Ether(ETBE)	50 ul	2000 ppm	100 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-369966

Prepared By: Previlon, Wilner
Description: VOA WORKING INT/SURR MIX
Prep Date: 3/31/2022
Expiration Date: 9/30/2022
Department: Organics
BatchNumber:
Concentration: 150 ppm
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/06/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14375	Methyl Alcohol	88 ml	neat neat	
13053	8260A Surrogate Mix	6 ml	2500 ppm	150 ppm
13052	Internal Standard Mix	6 ml	2500 ppm	150 ppm

Veritech Lot Number: V-370456

Prepared By: Mercado, Jonathon
Description: MBS
Prep Date: 4/12/2022
Expiration Date: 6/9/2022
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 04/15/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
13905	methyl alcohol	610 ul	neat neat	neat neat
13963	502.2 Calibration Mix #1	50 ul	2000 ppm	100 ppm
14001	Epa 502/524 Volatile Organic Cal Mix	50 ul	2000 ppm	100 ppm
13705	EPA 8260 Calibration Mix 2	50 ul	2000 ppm	100 ppm
14442	Custom VOC Standard	50 ul	VARIOUS	various ppm
13961	tert-Amyl Methyl Ether Std.(TAME)	50 ul	2000 ppm	100 ppm
V-340304	VOA ADD MIX(2nd Source)	20 ul	5000/25000 p	various ppm
V-340306	Voa Extra Add Mix(2nd Source)	50 ul	2000-20000 p	100-1000 pp
V-351461	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm
13997	Ethyl-tert-Butyl Ether(ETBE)	50 ul	2000 ppm	100 ppm

Veritech Lot Number: V-370625

Prepared By: Mercado, Jonathon
Description: BFB Tune Mix
Prep Date: 4/14/2022
Expiration Date: 9/30/2022
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 1.5 ml
ApprovedBy: akmal
ApproveDate: 04/15/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-369966	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
14150	Methyl Alcohol	1000 ul	neat neat	

Veritech Lot Number: V-371136

Prepared By: Goring, Shawn
Description: 624/8260 CAL @ 250 PPB
Prep Date: 4/21/2022
Expiration Date: 4/27/2022
Department: Organics
BatchNumber: B-32717
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/22/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-369836	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
12833	P&T Water	100 ml	NEAT neat	
14443	Chlorodifluoromethane(Freon#22)	125 ul	200 ppm	250 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-371137

Prepared By: Goring, Shawn
Description: 624/8260 CAL @ 100 PPB
Prep Date: 4/21/2022
Expiration Date: 4/27/2022
Department: Organics
BatchNumber: B-32717
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/22/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-369836	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
12833	P&T Water	100 ml	NEAT neat	
14443	Chlorodifluoromethane(Freon#22)	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-371138

Prepared By: Goring, Shawn
Description: 624/8260 CAL @ 50 PPB
Prep Date: 4/21/2022
Expiration Date: 4/27/2022
Department: Organics
BatchNumber: B-32717
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/22/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-369836	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
12833	P&T Water	100 ml	NEAT neat	
14443	Chlorodifluoromethane(Freon#22)	25 ul	200 ppm	50 ppb

Veritech Lot Number: V-371139

Prepared By: Goring, Shawn
Description: 624/8260 CAL @ 20 PPB
Prep Date: 4/21/2022
Expiration Date: 4/27/2022
Department: Organics
BatchNumber: B-32717
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/22/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-369836	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
12833	P&T Water	100 ml	NEAT neat	
14443	Chlorodifluoromethane(Freon#22)	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-371140

Prepared By: Goring, Shawn
Description: 624/8260 CAL @ 10 PPB
Prep Date: 4/21/2022
Expiration Date: 4/27/2022
Department: Organics
BatchNumber: B-32717
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/22/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-368184	20ppm VOA Working Std	50 ul	VARIOUS pp	10 ppb
12833	P&T Water	100 ml	NEAT neat	
V-367113	20ppm Freon VOA Working Std	50 ul	VARIOUS pp	10 ppb

Veritech Lot Number: V-371141

Prepared By: Goring, Shawn
Description: 624/8260 CAL @ 5 PPB
Prep Date: 4/21/2022
Expiration Date: 4/27/2022
Department: Organics
BatchNumber: B-32717
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/22/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-368184	20ppm VOA Working Std	25 ul	VARIOUS pp	5 ppb
12833	P&T Water	100 ml	NEAT neat	
V-367113	20ppm Freon VOA Working Std	25 ul	VARIOUS pp	5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-371142

Prepared By: Goring, Shawn
Description: 624/8260 CAL @ 1 PPB
Prep Date: 4/21/2022
Expiration Date: 4/27/2022
Department: Organics
BatchNumber: B-32717
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/22/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-368184	20ppm VOA Working Std	5 ul	VARIOUS pp	1 ppb
12833	P&T Water	100 ml	NEAT neat	
V-367113	20ppm Freon VOA Working Std	5 ul	VARIOUS pp	1 ppb

Veritech Lot Number: V-371143

Prepared By: Goring, Shawn
Description: 624/8260 CAL @ 0.5 PPB
Prep Date: 4/21/2022
Expiration Date: 4/27/2022
Department: Organics
BatchNumber: B-32717
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/22/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-368184	20ppm VOA Working Std	2.5 ul	VARIOUS pp	0.5 ppb
12833	P&T Water	100 ml	NEAT neat	
V-367113	20ppm Freon VOA Working Std	2.5 ul	VARIOUS pp	0.5 ppb

Veritech Lot Number: V-371144

Prepared By: Goring, Shawn
Description: 624/8260 CAL @ 500 PPB
Prep Date: 4/21/2022
Expiration Date: 4/27/2022
Department: Organics
BatchNumber: B-32717
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/22/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-369836	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
12833	P&T Water	100 ml	NEAT neat	
14443	Chlorodifluoromethane(Freon#22)	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-371145

Prepared By: Goring, Shawn
Description: ICV CAL @ 20 PPB
Prep Date: 4/21/2022
Expiration Date: 4/27/2022
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 04/22/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-369837	MBS	20 ul	100 ppm	20 ppb
12833	P&T Water	100 ml	NEAT neat	neat
14269	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-371358

Prepared By: Revolus, Jean
Description: VOA ADD MIX
Prep Date: 4/22/2022
Expiration Date: 4/1/2023
Department: Organics
BatchNumber:
Concentration: 5000/25000 p
Final Volume: 10 ml
ApprovedBy: akmal
ApproveDate: 04/27/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
14554	Cyclohexanone	250 mg	NEAT	25000 ppm
12762	p-Diethylbenzene	50 mg	NEAT	5000 ppm
14548	p-Ethyltoluene	50 mg	NEAT	5000 ppm
14375	Methyl Alcohol		neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-371359

Prepared By: Revolus, Jean
Description: Voa Extra Add Mix
Prep Date: 4/22/2022
Expiration Date: 4/1/2023
Department: Organics
BatchNumber:
Concentration: 2000-20000 p
Final Volume: 10 ml
ApprovedBy: akmal
ApproveDate: 04/27/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
12763	Isopropyl acetate	20 mg	NEAT	2000 ppm
14375	Methyl Alcohol		neat neat	
13191	d-Camphor	200 mg	Neat	20000 ppm
13192	n-Amyl acetate	20 mg	NEAT	2000 ppm
13194	n-Butyl acrylate	20 mg	Neat	2000 ppm
13195	Methyl methacrylate	20 mg	Neat	2000 ppm
14553	Ethyl methacrylate	20 mg	NEAT	2000 ppm
14552	Camphene	20 mg	NEAT	2000 ppm
14550	Butyl methacrylate	20 mg	NEAT	2000 ppm
14549	Ethyl acetate	20 mg	NEAT	2000 ppm

Veritech Lot Number: V-371468

Prepared By: Goring, Shawn
Description: 200ppm VOA Working Std
Prep Date: 4/26/2022
Expiration Date: 6/9/2022
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 04/28/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14150	Methyl Alcohol	220 ul	neat neat	neat
13964	502.2 Calibration Mix #1	100 ul	2000 ppm	200 ppm
13959	502.2 Cal2000 Mega-Mix	100 ul	2000 ppm	200 ppm
14000	Epa 8260 Calibration MIX 2	100 ul	2000 ppm	200 ppm
14441	Custom VOC Standard	100 ul	VARIOUS	various ppm
14338	tert-Amyl Methyl Ether Standard	100 ul	2000 ppm	200 ppm
V-371358	VOA ADD MIX	40 ul	5000/25000 p	various ppm
V-371359	Voa Extra Add Mix	100 ul	2000-20000 p	200 ppm
V-351460	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm
13998	Ethyl-tert-Butyl Ether(ETBE)	100 ul	2000 ppm	200 ppm

Veritech Lot Number: V-372247

Prepared By: Mercado, Jonathon
Description: CAL @ 50 PPB
Prep Date: 5/11/2022
Expiration Date: 5/12/2022
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 5 ml
ApprovedBy: akmal
ApproveDate: 05/12/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-369836	200ppm VOA Working Std	1.25 ul	VARIOUS pp	50 ppb
12833	P&T Water	5 ml	NEAT neat	
14269	Chlorodifluoromethane	1.25 ul	200 ppm	50 ppb

Veritech Lot Number: V-372369

Prepared By: Goring, Shawn
Description: CAL @ 20 PPB
Prep Date: 5/13/2022
Expiration Date: 5/20/2022
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 05/16/22
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-371468	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
12833	P&T Water	100 ml	NEAT neat	
14269	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-372467

Prepared By:	Mercado, Jonathon	Department:	Organics	ApprovedBy:	akmal
Description:	CAL @ 20 PPB	BatchNumber:		ApproveDate:	05/18/22
Prep Date:	5/16/2022	Concentration:	VARIOUS ppb	Checked:	Yes
Expiration Date:	5/23/2022	Final Volume:	100 ml		

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-371468	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
12833	P&T Water	100 ml	NEAT neat	
14269	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2889

Description: 1,2,4,5-TETRAMETHYLBENZENE

ApprovedBy: jean
ApproveDate: 12/18/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Acros Organics	409390050	A0214190	11/20/07	11/30/27	Revolus, Jean	1	1ML	NEAT	

Veritech Control/Receipt Number: 11587

Description: Furan

ApprovedBy: akmal
ApproveDate: 04/05/18
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Aldrich	185922	SHBG4510V	04/05/18	08/31/25	Hamid, Akmal	1	5ML	NEAT	NEAT

Veritech Control/Receipt Number: 11932

Description: Butyl methacrylate

ApprovedBy: jean
ApproveDate: 08/27/18
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-11371-1G	4695500	08/22/18	01/31/23	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 11935

Description: Ethyl acetate

ApprovedBy: jean
ApproveDate: 08/27/18
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-11881-1G	7518400	08/22/18	05/31/22	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 12761

Description: Camphene

ApprovedBy: akmal
ApproveDate: 09/19/19
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ChemService	N-11395-250G	8199400	09/19/19	01/31/22	Revolus, Jean	2	250m	NEAT	

Veritech Control/Receipt Number: 12762

Description: p-Diethylbenzene

ApprovedBy: akmal
ApproveDate: 09/19/19
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ChemService	N-12771-100MG	8949700	09/19/19	08/31/23	Revolus, Jean	4	100m	NEAT	

Veritech Control/Receipt Number: 12763

Description: Isopropyl acetate

ApprovedBy: akmal
ApproveDate: 10/07/19
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ChemService	N-12223-1G	8816500	09/19/19	04/30/24	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 12764

Description: Cyclohexanone

ApprovedBy: akmal
ApproveDate: 09/19/19
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ChemService	N-11531-1G	8743900	09/19/19	05/31/23	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 12766

Description: Ethyl methacrylate

ApprovedBy: jean
ApproveDate: 09/25/19
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ChemService	N-11903-1G	8239900	09/19/19	01/31/23	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 12815

Description: p-Ethyltoluene

ApprovedBy: akmal
ApproveDate: 10/07/19
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-12776-1G	7926200	10/03/19	12/31/21	Revolus, Jean	4	250 m	NEAT	

Veritech Control/Receipt Number: 12833

Description: P&T Water

ApprovedBy: akmal
ApproveDate: 10/16/19
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Veritech	N/A	N/A	10/14/19	10/14/25	Goring, Shawn	1	N/A	NEAT	NEAT

Veritech Control/Receipt Number: 13052

Description: Internal Standard Mix

ApprovedBy: jean
ApproveDate: 02/13/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30241	A0156714	02/11/20	01/31/25	Revolus, Jean	12	1ml	2500	PPM

Veritech Control/Receipt Number: 13053

Description: 8260A Surrogate Mix

ApprovedBy: jean
ApproveDate: 02/13/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30240	A0156492	02/11/20	01/31/25	Revolus, Jean	12	1ml	2500	PPM

Veritech Control/Receipt Number: 13191

Description: d-Camphor

ApprovedBy: jean
ApproveDate: 04/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-11556-100MG	9259300	04/17/20	12/31/25	Revolus, Jean	5	100m	Neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 13192

Description: n-Amyl acetate

ApprovedBy: jean
ApproveDate: 04/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-12508-1G	9676300	04/17/20	03/31/26	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 13194

Description: n-Butyl acrylate

ApprovedBy: jean
ApproveDate: 04/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-12513-1G	9919500	04/17/20	01/31/26	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 13195

Description: Methyl methacrylate

ApprovedBy: jean
ApproveDate: 04/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-12443-1G	9827400	04/17/20	03/30/26	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 13605

Description: Methyl Alcohol

ApprovedBy: akmal
ApproveDate: 11/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Tedia	MP1924-002	20060571	11/16/20	06/25/22	Lopez, Jose	36	1L	neat	neat

Veritech Control/Receipt Number: 13705

Description: EPA 8260 Calibration Mix 2

ApprovedBy: akmal
ApproveDate: 01/12/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Sigma-Aldrich	46831-U	LRAC3827	01/08/21	10/31/22	Revolus, Jean	6	1ml	2000	PPM

Veritech Control/Receipt Number: 13905

Description: Methyl Alcohol

ApprovedBy: akmal
ApproveDate: 05/06/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Tedia	MP1924-002	20100613	05/04/21	10/30/22	Lopez, Jose	30	1L	neat	neat

Veritech Control/Receipt Number: 13959

Description: 502.2 Cal2000 Mega-Mix

ApprovedBy: akmal
ApproveDate: 05/28/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30431	A0168517	05/28/21	01/31/23	Hamid, Akmal	5	1ML	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 13961

Description: tert-Amyl Methyl Ether Std.(TAME)

ApprovedBy: akmal
ApproveDate: 05/28/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30629	A0156516	05/28/21	01/31/25	Hamid, Akmal	6	1ml	2000	ppm

Veritech Control/Receipt Number: 13963

Description: 502.2 Calibration Mix #1

ApprovedBy: akmal
ApproveDate: 05/28/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30042	A0168013	05/28/21	09/30/27	Hamid, Akmal	5	1ML	2000	PPM

Veritech Control/Receipt Number: 13964

Description: 502.2 Calibration Mix #1

ApprovedBy: akmal
ApproveDate: 05/28/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30042	A0169954	05/28/21	11/30/27	Hamid, Akmal	5	1ML	2000	PPM

Veritech Control/Receipt Number: 13987

Description: Ethyl Ether

ApprovedBy: akmal
ApproveDate: 06/09/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-11897-1G	11096100	05/25/21	12/31/25	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 13997

Description: Ethyl-tert-Butyl Ether(ETBE)

ApprovedBy: akmal
ApproveDate: 06/16/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30628	A0173183	06/16/21	06/30/26	Hamid, Akmal	6	1ML	2000	PPM

Veritech Control/Receipt Number: 13998

Description: Ethyl-tert-Butyl Ether(ETBE)

ApprovedBy: akmal
ApproveDate: 06/16/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30628	A0172879	06/16/21	05/31/26	Hamid, Akmal	6	1ML	2000	PPM

Veritech Control/Receipt Number: 14000

Description: Epa 8260 Calibration MIX 2

ApprovedBy: akmal
ApproveDate: 06/16/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Sigma-Aldrich	46831-U	LRAC3827	06/15/21	10/31/22	Revolus, Jean	10	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 14001

Description: Epa 502/524 Volatile Organic Cal Mix

ApprovedBy: akmal
ApproveDate: 06/17/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Sigma-Aldrich	502111	LRAC7008	06/17/21	09/30/22	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 14143

Description: Methyl Alcohol

ApprovedBy: akmal
ApproveDate: 08/19/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Tedia	MP1924-002	21070089	08/17/21	04/01/23	Lopez, Jose	6	1L	neat	neat

Veritech Control/Receipt Number: 14150

Description: Methyl Alcohol

ApprovedBy: akmal
ApproveDate: 08/27/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Tedia	MP1924-002	21088065	08/25/21	04/01/23	Lopez, Jose	30	1L	neat	neat

Veritech Control/Receipt Number: 14269

Description: Chlorodifluoromethane

ApprovedBy: jean
ApproveDate: 10/29/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
AccuStandard	M-REF-03	219081587	10/29/21	09/11/29	Revolus, Jean	10	1ml	200	PPM

Veritech Control/Receipt Number: 14338

Description: tert-Amyl Methyl Ether Standard

ApprovedBy: jean
ApproveDate: 12/07/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30629	A0178873	12/03/21	11/30/26	Revolus, Jean	8	1ml	2000	PPM

Veritech Control/Receipt Number: 14375

Description: Methyl Alcohol

ApprovedBy: akmal
ApproveDate: 12/28/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Tedia	MP1924-002	21080065	12/27/21	04/01/23	Burwell, John	42	1L	neat	neat

Veritech Control/Receipt Number: 14441

Description: Custom VOC Standard

ApprovedBy: jean
ApproveDate: 02/09/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
AccuStandard	S-16418	222021123	02/09/22	08/07/22	Revolus, Jean	5	1ml	VARIOU	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 14442

Description: Custom VOC Standard

ApprovedBy: jean
ApproveDate: 02/09/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
AccuStandard	S-16418	222021127	02/09/22	08/07/22	Revolus, Jean	5	1ml	VARIOU	

Veritech Control/Receipt Number: 14443

Description: Chlorodifluoromethane(Freon#22)

ApprovedBy: jean
ApproveDate: 02/09/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
AccuStandard	M-REF-03	221081279	02/09/22	08/31/31	Revolus, Jean	10	1ml	200	PPM

Veritech Control/Receipt Number: 14548

Description: p-Ethyltoluene

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-12776-1G	12503700	04/12/22	12/31/25	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14549

Description: Ethyl acetate

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11881-1G	12841300	04/12/22	11/30/24	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14550

Description: Butyl methacrylate

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11371-1G	12981700	04/12/22	02/28/29	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14552

Description: Camphene

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11395-250MG	13119400	04/12/22	04/30/27	Revolus, Jean	1	0.25g	NEAT	

Veritech Control/Receipt Number: 14553

Description: Ethyl methacrylate

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11903-1G	12985900	04/12/22	02/28/26	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 14554

Description
Cyclohexanone

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11531-1G	13043700	04/19/22	05/31/23	Revolus, Jean	1	1g	NEAT	

Hampton-Clarke
Analytical & Field Services

Last Page of Report

Hampton-Clarke
Analytical & Field Services

175 US Highway 46, STE D · Fairfield, NJ 07004-2327
2 Madison Road, Fairfield, NJ 07004-2327
800-426-9992 · 973-244-9770
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Project: Orange Plaza

Client PO: 100571501

Report To: Langan Engineering & Environmental
300 Kimball Drive
Parsipanny, NJ 07054
Attn: K.McPartland

Received Date: 8/8/2023

Report Date: 9/20/2023

Deliverables: NYSDEC-CatB

Lab ID: AD39676

Lab Project No: 3080829

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

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

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SDG Narrative

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

NYSDEC Sample ID/Code	Laboratory Sample ID/Code	Analytical Requirements					
		VOA GC/MS (Method #)	BNA GC/MS (Method #)	VOA GC (Method #)	Pest PCBs (Method #)	Metals (Method #)	Other (Method #)
MW-1	AD39676-001	8260D					
TB	AD39676-002	8260D					
FB20230808	AD39676-003	8260D					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
AD39676-001	Aqueous	8/8/2023	8/8/2023	-	8/10/2023
AD39676-002	Aqueous	8/8/2023	8/8/2023	-	8/9/2023
AD39676-003	Aqueous	8/8/2023	8/8/2023	-	8/9/2023

HC Case Narrative

Client: Langan Engineering & Environmental
Project: Orange Plaza
HC Project: 3080829

Hampton-Clarke (HC) received the following samples on 8/8/2023:

Client ID	HC Sample ID	Matrix	Analysis
MW-1	AD39676-001	Aqueous	Volatile Organics + 10 (8260D)
TB	AD39676-002	Aqueous	Volatile Organics + 10 (8260D)
FB20230808	AD39676-003	Aqueous	Volatile Organics + 10 (8260D)

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:

Acetone was recovered in sample AD39676-002 due to possible laboratory contamination.

The spiking compounds were diluted out of the Matrix Spike and/or Matrix Spike Duplicate for batch 111395. Please refer to the applicable Form 3 for the recoveries.

The MSD RPD for batch 111395 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Sean Berls
Quality Assurance Officer

Or

Jean Revolus
Laboratory Director

9/20/23
Date

Reporting Limit Definitions

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

DUP = Duplicate

LCS = Laboratory Control Spike

MBS = Method Blank Spike

MDL = Method Detection Limit

MR = Matrix Replicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NA = Not Applicable

ND = Not Detected

PS = Post Digestion Spike

RL* = Reporting Limit

RT = Retention Time

SD = Serial Dilution

**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.

Data Package Summary Forms

HC Report of Analysis

Client: Langan Engineering & Environmental **HC Project #:** 3080829

Project: Orange Plaza

Sample ID: MW-1 **Collection Date:** 8/8/2023
Lab#: AD39676-001 **Receipt Date:** 8/8/2023
Matrix: Aqueous

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	1.0	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	5.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**8.6**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.87	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**5.3**

NOTE: Soil Results are reported to Dry Weigh

Sample ID: MW-1 **Collection Date:** 8/8/2023
Lab#: AD39676-001 **Receipt Date:** 8/8/2023
Matrix: Aqueous

trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**5.2**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	**1**	**ug/l**	**1.0**	**16**
Xylenes (Total)	1	ug/l	1.0	ND

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.23**	**3.6J**
TotalVolatileTic	**1**	**ug/l**	**NA**	**3.6J**

Sample ID: TB
Lab#: AD39676-002
Matrix: Aqueous

Collection Date: 8/8/2023
Receipt Date: 8/8/2023

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	1.0	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	**1**	**ug/l**	**5.0**	**7.2**
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	5.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.87	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TB
Lab#: AD39676-002
Matrix: Aqueous

Collection Date: 8/8/2023
Receipt Date: 8/8/2023

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: FB20230808 **Collection Date:** 8/8/2023
Lab#: AD39676-003 **Receipt Date:** 8/8/2023
Matrix: Aqueous

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	1.0	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	5.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.87	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: FB20230808
Lab#: AD39676-003
Matrix: Aqueous
Collection Date: 8/8/2023
Receipt Date: 8/8/2023

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD39676-001
Client Id: MW-1
Data File: 1M177274.D
Analysis Date: 08/10/23 17:55
Date Rec/Extracted: 08/08/23-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**8.6**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	**156-60-5**	**trans-1,2-Dichloroethene**	**1.0**	**5.3**
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**5.2**
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	**75-01-4**	**Vinyl Chloride**	**1.0**	**16**
1330-20-7	Xylenes (Total)	1.0	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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD39676-001
Client Id: MW-1
Data File: 1M177274.D
Analysis Date: 08/10/23 17:55
Date Rec/Extracted: 08/08/23-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.23	3.6J

Worksheet #: 704232

Total Tentatively Identified Concentration 3.6

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD39676-002
Client Id: TB
Data File: 2M188315.D
Analysis Date: 08/09/23 18:19
Date Rec/Extracted: 08/08/23-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	**Acetone**	**5.0**	**7.2**	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 704232

Total Target Concentration 7.2

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

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number:	AD39676-002	Matrix:	Aqueous
Client Id:	TB	Initial Vol:	5ml
Data File:	2M188315.D	Final Vol:	NA
Analysis Date:	08/09/23 18:19	Dilution:	1.00
Date Rec/Extracted:	08/08/23-NA	Solids:	
		Method:	EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 704232

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD39676-003
Client Id: FB20230808
Data File: 2M188316.D
Analysis Date: 08/09/23 18:39
Date Rec/Extracted: 08/08/23-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 704232

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD39676-003
Client Id: FB20230808
Data File: 2M188316.D
Analysis Date: 08/09/23 18:39
Date Rec/Extracted: 08/08/23-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 704232

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Chain of Custody Forms

3080829 0021

Hampton-Clarke, Inc. (WBE/DBE/SBE)
175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787
Service Center: 137-C 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): 3080829

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 [X] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[X] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other: Lang Standard 5 day		Other:

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

Customer Information

1a) Customer: Langan Engineering
Address: 300 Kimball Dr Parsippany, NJ 07054
1b) Email/Cell/Fax/Ph: kmcpartland@langan.com
1c) Send Invoice to:
1d) Send Report to:

Project Information

2a) Project: 100571501 - Orange Plaza
2b) Project Mgr: Keith McPartland
2c) Project Location (City/State): Middletown, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY

Batch # AD39676

===> 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)	VOA by NYASP 95-1 CLP	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	MW-1	GW	8/8/23	1230		X	X									

10) Relinquished by:

Relinquished by:	Accepted by:	Date	Time
		8/8/23	15:10

11) Sampler (print name): Nick Quercazzi Date: 8/8/23

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

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

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

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

Cooler Temperature: 3.0

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#

PROJECT MODIFICATIONS

Client: LANG-ELMPK **HC Project #:** 3080829

Project: Orange Plaza

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tquinones192.168.1.31
8/9/2023 4:10:55 PM

Per Nick Querrazzi's email dated 8/8/23, the TB and FB are to be analyzed for total VO.
TQ 8/9/23

CONDITION UPON RECEIPT

Batch Number AD39676 Entered By: Ricardo
Date Entered 8/8/2023 4:37:00 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	T478	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 3.0
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	No	Do the contents match the COC? If no, specify TB AND FB SET WAS RECEIVED BUT NOT LISTED ON COC.
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?

PRESERVATION DOCUMENT

Batch Number AD39676

Entered By: Ricardo

Date Entered 8/8/2023 4:54:00 PM

Lab#:	Container Size	Container/Vial Check	Parameter	Preservative	Preservative Lot#	PH	pH Lot#
AD39676-001	40ML	G	VO	HCL	14470	1.0	HC208072
AD39676-002	40ML	G	VO	HCL	14470	1.0	HC208072
AD39676-003	40ML	G	VO	HCL	14470	1.0	HC208072

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD39676-001	08/08/23 15:10	RICAR	0	M	Received
AD39676-001	08/08/23 16:37	RICAR	0	M	Login
AD39676-001	08/09/23 09:30	R31	1	A	PH
AD39676-001	08/09/23 09:31	R31	2	A	NONE
AD39676-001	08/10/23 11:53	MN	2	A	VOA
AD39676-001	08/09/23 09:31	R31	3	A	NONE
AD39676-002	08/08/23 15:10	RICAR	0	M	Received
AD39676-002	08/08/23 16:37	RICAR	0	M	Login
AD39676-002	08/09/23 09:30	R31	1	A	PH
AD39676-002	08/09/23 09:31	R31	2	A	NONE
AD39676-002	08/09/23 16:46	SG	2	A	VOA
AD39676-002	08/09/23 09:31	R31	3	A	NONE
AD39676-003	08/08/23 15:10	RICAR	0	M	Received
AD39676-003	08/08/23 16:51	RICAR	0	M	Login
AD39676-003	08/09/23 09:30	R31	1	A	PH
AD39676-003	08/09/23 09:31	R31	2	A	NONE
AD39676-003	08/09/23 16:46	SG	2	A	VOA
AD39676-003	08/09/23 09:31	R31	3	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

GC/MS Volatile Data

GC/MS Volatile Data
QC Summary

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
1M177256.D	DAILY BLANK	A	08/10/23 11:24	1		98	101	95	99		
2M188314.D	DAILY BLANK	A	08/09/23 17:59	1		90	101	102	93		
1M177274.D	AD39676-001	A	08/10/23 17:55	1		100	103	94	103		
2M188315.D	AD39676-002	A	08/09/23 18:19	1		91	97	108	101		
2M188316.D	AD39676-003	A	08/09/23 18:39	1		90	103	87	97		
1M177264.D	MBS111395	A	08/10/23 14:18	1		98	99	98	100		
1M177270.D	AD39618-006(50X)(T:M	A	08/10/23 16:28	1		98	98	94	103		
1M177271.D	AD39618-006(50X)(T:M	A	08/10/23 16:50	1		100	103	94	102		
1M177320.D	AD39618-006(50X)(T)	A	08/11/23 16:03	1		95	96	91	101		
2M188318.D	MBS111390	A	08/09/23 19:19	1		101	98	99	81		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260D

Aqueous Laboratory Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	82-120
S2=1.2-Dichloroethane-d4	30	81-123
S3=Toluene-d8	30	75-121
S4=Bromofluorobenzene	30	77-125

Form3
Recovery Data Laboratory Limits
QC Batch: MBS111390

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M188318.D	MBS111390	8/9/2023 7:19:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	20.2051	0	20	101	16	181
Dichlorodifluoromethane	**1**	**10.1981**	**0**	**20**	**51**	**10**	**202**
Chloromethane	**1**	**16.2278**	**0**	**20**	**81**	**10**	**182**
Bromomethane	**1**	**16.1089**	**0**	**20**	**81**	**10**	**172**
Vinyl Chloride	**1**	**18.4816**	**0**	**20**	**92**	**26**	**176**
Chloroethane	**1**	**18.9606**	**0**	**20**	**95**	**28**	**165**
Trichlorofluoromethane	**1**	**20.0171**	**0**	**20**	**100**	**18**	**178**
Ethyl ether	1	18.5851	0	20	93	38	155
Furan	1	21.0653	0	20	105	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	**1**	**18.5315**	**0**	**20**	**93**	**32**	**178**
Methylene Chloride	**1**	**20.7307**	**0**	**20**	**104**	**10**	**225**
Acrolein	1	67.2901	0	100	67	10	183
Acrylonitrile	1	16.7843	0	20	84	40	164
Iodomethane	1	20.7874	0	20	104	10	191
Acetone	**1**	**74.7189**	**0**	**100**	**75**	**10**	**237**
Carbon Disulfide	**1**	**18.4207**	**0**	**20**	**92**	**10**	**194**
t-Butyl Alcohol	1	73.0094	0	100	73	21	185
n-Hexane	1	18.5689	0	20	93	43	179
Di-isopropyl-ether	1	19.0201	0	20	95	47	159
1,1-Dichloroethene	**1**	**21.1833**	**0**	**20**	**106**	**42**	**172**
Methyl Acetate	**1**	**17.4478**	**0**	**20**	**87**	**10**	**192**
Methyl-t-butyl ether	**1**	**18.8254**	**0**	**20**	**94**	**43**	**154**
1,1-Dichloroethane	**1**	**20.0897**	**0**	**20**	**100**	**48**	**160**
trans-1,2-Dichloroethene	**1**	**20.2757**	**0**	**20**	**101**	**37**	**171**
Ethyl-t-butyl ether	1	20.2549	0	20	101	53	149
cis-1,2-Dichloroethene	**1**	**19.2499**	**0**	**20**	**96**	**45**	**161**
Bromochloromethane	**1**	**21.2183**	**0**	**20**	**106**	**42**	**170**
2,2-Dichloropropane	1	19.1022	0	20	96	33	173
Ethyl acetate	1	16.4319	0	20	82	38	156
1,4-Dioxane	**1**	**798.3864**	**0**	**1000**	**80**	**18**	**186**
1,1-Dichloropropene	1	19.474	0	20	97	51	157
Chloroform	**1**	**23.7006**	**0**	**20**	**119**	**47**	**157**
Cyclohexane	**1**	**19.3621**	**0**	**20**	**97**	**41**	**175**
1,2-Dichloroethane	**1**	**19.8237**	**0**	**20**	**99**	**43**	**154**
2-Butanone	**1**	**20.217**	**0**	**20**	**101**	**20**	**188**
1,1,1-Trichloroethane	**1**	**19.9277**	**0**	**20**	**100**	**49**	**155**
Carbon Tetrachloride	**1**	**20.3528**	**0**	**20**	**102**	**47**	**159**
Vinyl Acetate	1	16.6858	0	20	83	31	160
Bromodichloromethane	**1**	**24.256**	**0**	**20**	**121**	**48**	**152**
Methylcyclohexane	**1**	**18.8385**	**0**	**20**	**94**	**47**	**167**
Dibromomethane	1	22.9914	0	20	115	47	153
1,2-Dichloropropane	**1**	**21.6938**	**0**	**20**	**108**	**53**	**153**
Trichloroethene	**1**	**20.1362**	**0**	**20**	**101**	**45**	**165**
Benzene	**1**	**20.4233**	**0**	**20**	**102**	**41**	**163**
tert-Amyl methyl ether	1	19.9787	0	20	100	51	146
Iso-propylacetate	1	17.238	0	20	86	37	153
Methyl methacrylate	1	22.613	0	20	113	40	160
Dibromochloromethane	**1**	**18.8853**	**0**	**20**	**94**	**50**	**144**
2-Chloroethylvinylether	1	26.0044	0	20	130	10	201
cis-1,3-Dichloropropene	**1**	**22.6897**	**0**	**20**	**113**	**49**	**146**
trans-1,3-Dichloropropene	**1**	**18.6658**	**0**	**20**	**93**	**48**	**144**
Ethyl methacrylate	1	17.079	0	20	85	38	160
1,1,2-Trichloroethane	**1**	**19.7669**	**0**	**20**	**99**	**52**	**146**
1,2-Dibromoethane	**1**	**19.244**	**0**	**20**	**96**	**55**	**140**
1,3-Dichloropropane	1	19.3653	0	20	97	54	142
4-Methyl-2-Pentanone	**1**	**19.6681**	**0**	**20**	**98**	**41**	**158**
2-Hexanone	**1**	**16.6888**	**0**	**20**	**83**	**39**	**163**
Tetrachloroethene	**1**	**19.8518**	**0**	**20**	**99**	**48**	**162**
Toluene	**1**	**19.1729**	**0**	**20**	**96**	**49**	**153**
1,1,1,2-Tetrachloroethane	1	19.1551	0	20	96	51	140
Chlorobenzene	**1**	**18.8516**	**0**	**20**	**94**	**43**	**155**

* - 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: MBS111390

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	15.915	0	20	80	21	181
n-Amyl acetate	1	14.1665	0	20	71	20	182
Bromoform	**1**	**15.3905**	**0**	**20**	**77**	**47**	**137**
Ethylbenzene	**1**	**16.9725**	**0**	**20**	**85**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**17.8106**	**0**	**20**	**89**	**36**	**152**
Styrene	**1**	**15.6511**	**0**	**20**	**78**	**34**	**170**
m&p-Xylenes	**1**	**31.9567**	**0**	**40**	**80**	**16**	**184**
o-Xylene	**1**	**15.2119**	**0**	**20**	**76**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	16.0814	0	20	80	10	154
1,3-Dichlorobenzene	**1**	**18.4324**	**0**	**20**	**92**	**46**	**147**
1,4-Dichlorobenzene	**1**	**18.6894**	**0**	**20**	**93**	**37**	**156**
1,2-Dichlorobenzene	**1**	**19.9351**	**0**	**20**	**100**	**42**	**150**
Isopropylbenzene	**1**	**16.5607**	**0**	**20**	**83**	**32**	**174**
Cyclohexanone	1	27.2196	0	100	27	10	254
Camphene	1	16.3589	0	20	82	10	172
1,2,3-Trichloropropane	1	19.4045	0	20	97	20	164
2-Chlorotoluene	1	19.9399	0	20	100	43	153
p-Ethyltoluene	1	18.4532	0	20	92	36	164
4-Chlorotoluene	1	21.2108	0	20	106	34	160
n-Propylbenzene	1	19.9723	0	20	100	30	176
Bromobenzene	1	19.7048	0	20	99	44	142
1,3,5-Trimethylbenzene	1	21.8717	0	20	109	37	165
Butyl methacrylate	1	21.2149	0	20	106	30	169
t-Butylbenzene	1	18.4652	0	20	92	48	162
1,2,4-Trimethylbenzene	1	18.6413	0	20	93	38	162
sec-Butylbenzene	1	18.0718	0	20	90	42	164
4-Isopropyltoluene	1	16.8714	0	20	84	40	162
n-Butylbenzene	1	18.5788	0	20	93	30	176
p-Diethylbenzene	1	17.2631	0	20	86	23	179
1,2,4,5-Tetramethylbenzene	1	15.7371	0	20	79	18	177
1,2-Dibromo-3-Chloropropane	**1**	**16.4874**	**0**	**20**	**82**	**32**	**154**
Camphor	1	137.5144	0	200	69	10	202
Hexachlorobutadiene	1	16.1648	0	20	81	23	181
1,2,4-Trichlorobenzene	**1**	**14.4242**	**0**	**20**	**72**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**14.1062**	**0**	**20**	**71**	**30**	**172**
Naphthalene	1	12.9344	0	20	65	13	191

* - 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: MBS111395

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M177264.D	MBS111395	8/10/2023 2:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	24.4573	0	20	122	16	181
Dichlorodifluoromethane	1	13.1049	0	20	66	10	202
Chloromethane	1	19.0395	0	20	95	10	182
Bromomethane	1	17.464	0	20	87	10	172
Vinyl Chloride	1	21.011	0	20	105	26	176
Chloroethane	1	21.3615	0	20	107	28	165
Trichlorofluoromethane	1	23.6848	0	20	118	18	178
Ethyl ether	1	21.6216	0	20	108	38	155
Furan	1	24.1415	0	20	121	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.5527	0	20	108	32	178
Methylene Chloride	1	20.2025	0	20	101	10	225
Acrolein	1	99.5456	0	100	100	10	183
Acrylonitrile	1	19.1122	0	20	96	40	164
Iodomethane	1	17.3871	0	20	87	10	191
Acetone	1	93.282	0	100	93	10	237
Carbon Disulfide	1	19.1106	0	20	96	10	194
t-Butyl Alcohol	1	86.1874	0	100	86	21	185
n-Hexane	1	23.3775	0	20	117	43	179
Di-isopropyl-ether	1	21.5131	0	20	108	47	159
1,1-Dichloroethene	1	23.9338	0	20	120	42	172
Methyl Acetate	1	17.8046	0	20	89	10	192
Methyl-t-butyl ether	1	19.2778	0	20	96	43	154
1,1-Dichloroethane	1	20.9096	0	20	105	48	160
trans-1,2-Dichloroethene	1	21.5788	0	20	108	37	171
Ethyl-t-butyl ether	1	21.809	0	20	109	53	149
cis-1,2-Dichloroethene	1	26.7823	0	20	134	45	161
Bromochloromethane	1	24.9053	0	20	125	42	170
2,2-Dichloropropane	1	29.1002	0	20	146	33	173
Ethyl acetate	1	22.6583	0	20	113	38	156
1,4-Dioxane	1	1036.037	0	1000	104	18	186
1,1-Dichloropropene	1	26.7459	0	20	134	51	157
Chloroform	1	23.8522	0	20	119	47	157
Cyclohexane	1	26.8117	0	20	134	41	175
1,2-Dichloroethane	1	22.8844	0	20	114	43	154
2-Butanone	1	23.5968	0	20	118	20	188
1,1,1-Trichloroethane	1	24.0637	0	20	120	49	155
Carbon Tetrachloride	1	23.5996	0	20	118	47	159
Vinyl Acetate	1	23.5049	0	20	118	31	160
Bromodichloromethane	1	23.2851	0	20	116	48	152
Methylcyclohexane	1	28.8458	0	20	144	47	167
Dibromomethane	1	20.0224	0	20	100	47	153
1,2-Dichloropropane	1	23.5911	0	20	118	53	153
Trichloroethene	1	24.652	0	20	123	45	165
Benzene	1	25.8383	0	20	129	41	163
tert-Amyl methyl ether	1	23.1629	0	20	116	51	146
Iso-propylacetate	1	20.4205	0	20	102	37	153
Methyl methacrylate	1	22.7052	0	20	114	40	160
Dibromochloromethane	1	19.9983	0	20	100	50	144
2-Chloroethylvinylether	1	21.5481	0	20	108	10	201
cis-1,3-Dichloropropene	1	22.3694	0	20	112	49	146
trans-1,3-Dichloropropene	1	21.4871	0	20	107	48	144
Ethyl methacrylate	1	17.299	0	20	86	38	160
1,1,2-Trichloroethane	1	20.9712	0	20	105	52	146
1,2-Dibromoethane	1	21.7801	0	20	109	55	140
1,3-Dichloropropane	1	22.4399	0	20	112	54	142
4-Methyl-2-Pentanone	1	22.1122	0	20	111	41	158
2-Hexanone	1	20.4656	0	20	102	39	163
Tetrachloroethene	1	22.9059	0	20	115	48	162
Toluene	1	25.3726	0	20	127	49	153
1,1,1,2-Tetrachloroethane	1	21.095	0	20	105	51	140
Chlorobenzene	1	23.4542	0	20	117	43	155

* - 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: MBS111395

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	19.9921	0	20	100	21	181
n-Amyl acetate	1	16.9453	0	20	85	20	182
Bromoform	1	19.5218	0	20	98	47	137
Ethylbenzene	1	26.3316	0	20	132	41	153
1,1,2,2-Tetrachloroethane	1	21.8663	0	20	109	36	152
Styrene	1	27.5343	0	20	138	34	170
m&p-Xylenes	1	58.4458	0	40	146	16	184
o-Xylene	1	27.6626	0	20	138	31	166
trans-1,4-Dichloro-2-butene	1	19.2895	0	20	96	10	154
1,3-Dichlorobenzene	1	24.7888	0	20	124	46	147
1,4-Dichlorobenzene	1	23.4299	0	20	117	37	156
1,2-Dichlorobenzene	1	24.1197	0	20	121	42	150
Isopropylbenzene	1	31.9312	0	20	160	32	174
Cyclohexanone	1	73.2926	0	100	73	10	254
Camphene	1	20.0401	0	20	100	10	172
1,2,3-Trichloropropane	1	21.6893	0	20	108	20	164
2-Chlorotoluene	1	26.1646	0	20	131	43	153
p-Ethyltoluene	1	27.3287	0	20	137	36	164
4-Chlorotoluene	1	26.7982	0	20	134	34	160
n-Propylbenzene	1	28.2699	0	20	141	30	176
Bromobenzene	1	23.3859	0	20	117	44	142
1,3,5-Trimethylbenzene	1	29.3849	0	20	147	37	165
Butyl methacrylate	1	19.2686	0	20	96	30	169
t-Butylbenzene	1	28.3561	0	20	142	48	162
1,2,4-Trimethylbenzene	1	23.013	0	20	115	38	162
sec-Butylbenzene	1	28.0349	0	20	140	42	164
4-Isopropyltoluene	1	20.0733	0	20	100	40	162
n-Butylbenzene	1	29.7503	0	20	149	30	176
p-Diethylbenzene	1	19.8274	0	20	99	23	179
1,2,4,5-Tetramethylbenzene	1	14.957	0	20	75	18	177
1,2-Dibromo-3-Chloropropane	1	21.0061	0	20	105	32	154
Camphor	1	182.5449	0	200	91	10	202
Hexachlorobutadiene	1	19.7048	0	20	99	23	181
1,2,4-Trichlorobenzene	1	23.642	0	20	118	28	169
1,2,3-Trichlorobenzene	1	24.2653	0	20	121	30	172
Naphthalene	1	18.8397	0	20	94	13	191

* - 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: MBS111395

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M177270.D	AD39618-006(50X)(T:MS)	8/10/2023 4:28:00 PM
Non Spike(If applicable):	1M177320.D	AD39618-006(50X)(T)	8/11/2023 4:03:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	16	181
Dichlorodifluoromethane	1	0	0	20	0*	10	202
Chloromethane	1	0	0	20	0*	10	182
Bromomethane	1	0	0	20	0*	10	172
Vinyl Chloride	1	0	0	20	0*	26	176
Chloroethane	1	0	0	20	0*	28	165
Trichlorofluoromethane	1	0	0	20	0*	18	178
Ethyl ether	1	0	0	20	0*	38	155
Furan	1	0	0	20	0*	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	20	0*	32	178
Methylene Chloride	1	0	0	20	0*	10	225
Acrolein	1	0	0	100	0*	10	183
Acrylonitrile	1	0	0	20	0*	40	164
Iodomethane	1	0	0	20	0*	10	191
Acetone	1	0	0	100	0*	10	237
Carbon Disulfide	1	0	0	20	0*	10	194
t-Butyl Alcohol	1	0	0	100	0*	21	185
n-Hexane	1	0	0	20	0*	43	179
Di-isopropyl-ether	1	0	0	20	0*	47	159
1,1-Dichloroethene	1	0	0	20	0*	42	172
Methyl Acetate	1	0	0	20	0*	10	192
Methyl-t-butyl ether	1	0	0	20	0*	43	154
1,1-Dichloroethane	1	0	0	20	0*	48	160
trans-1,2-Dichloroethene	1	0	0	20	0*	37	171
Ethyl-t-butyl ether	1	0	0	20	0*	53	149
cis-1,2-Dichloroethene	1	0	0	20	0*	45	161
Bromochloromethane	1	0	0	20	0*	42	170
2,2-Dichloropropane	1	0	0	20	0*	33	173
Ethyl acetate	1	0	0	20	0*	38	156
1,4-Dioxane	1	0	0	1000	0*	18	186
1,1-Dichloropropene	1	0	0	20	0*	51	157
Chloroform	1	0	0	20	0*	47	157
Cyclohexane	1	0	0	20	0*	41	175
1,2-Dichloroethane	1	0	0	20	0*	43	154
2-Butanone	1	0	0	20	0*	20	188
1,1,1-Trichloroethane	1	0	0	20	0*	49	155
Carbon Tetrachloride	1	0	0	20	0*	47	159
Vinyl Acetate	1	0	0	20	0*	31	160
Bromodichloromethane	1	0	0	20	0*	48	152
Methylcyclohexane	1	0	0	20	0*	47	167
Dibromomethane	1	0	0	20	0*	47	153
1,2-Dichloropropane	1	0	0	20	0*	53	153
Trichloroethene	1	0	0	20	0*	45	165
Benzene	1	0	0	20	0*	41	163
tert-Amyl methyl ether	1	0	0	20	0*	51	146
Iso-propylacetate	1	0	0	20	0*	37	153
Methyl methacrylate	1	0	0	20	0*	40	160
Dibromochloromethane	1	0	0	20	0*	50	144
2-Chloroethylvinylether	1	0	0	20	0*	10	201
cis-1,3-Dichloropropene	1	0	0	20	0*	49	146
trans-1,3-Dichloropropene	1	0	0	20	0*	48	144
Ethyl methacrylate	1	0	0	20	0*	38	160
1,1,2-Trichloroethane	1	0	0	20	0*	52	146
1,2-Dibromoethane	1	0	0	20	0*	55	140
1,3-Dichloropropane	1	0	0	20	0*	54	142
4-Methyl-2-Pentanone	1	0	0	20	0*	41	158
2-Hexanone	1	0	0	20	0*	39	163
Tetrachloroethene	1	0	0	20	0*	48	156
Toluene	1	0	0	20	0*	49	153
1,1,1,2-Tetrachloroethane	1	0	0	20	0*	51	140
Chlorobenzene	1	0	0	20	0*	43	155

* - 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: MBS111395

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	0	0	20	0*	21	181
n-Amyl acetate	1	0	0	20	0*	20	182
Bromoform	1	0	0	20	0*	47	137
Ethylbenzene	1	0	0	20	0*	41	153
1,1,2,2-Tetrachloroethane	1	0	0	20	0*	36	152
Styrene	1	0	0	20	0*	34	170
m&p-Xylenes	1	1.6259	0	40	4.1*	16	184
o-Xylene	1	0	0	20	0*	31	166
trans-1,4-Dichloro-2-butene	1	0	0	20	0*	10	154
1,3-Dichlorobenzene	1	0	0	20	0*	46	147
1,4-Dichlorobenzene	1	0	0	20	0*	37	156
1,2-Dichlorobenzene	1	0	0	20	0*	42	150
Isopropylbenzene	1	0	0	20	0*	32	174
Cyclohexanone	1	0	0	100	0*	10	254
Camphene	1	0	0	20	0*	10	172
1,2,3-Trichloropropane	1	0	0	20	0*	20	164
2-Chlorotoluene	1	0	0	20	0*	43	153
p-Ethyltoluene	1	0	0	20	0*	36	164
4-Chlorotoluene	1	0	0	20	0*	34	160
n-Propylbenzene	1	0	0	20	0*	36	170
Bromobenzene	1	0	0	20	0*	44	142
1,3,5-Trimethylbenzene	1	0	0	20	0*	37	165
Butyl methacrylate	1	0	0	20	0*	30	169
t-Butylbenzene	1	0	0	20	0*	48	152
1,2,4-Trimethylbenzene	1	0	0	20	0*	38	162
sec-Butylbenzene	1	0	0	20	0*	42	164
4-Isopropyltoluene	1	0	0	20	0*	40	162
n-Butylbenzene	1	0	0	20	0*	30	176
p-Diethylbenzene	1	0	0	20	0*	23	179
1,2,4,5-Tetramethylbenzene	1	0	0	20	0*	18	177
1,2-Dibromo-3-Chloropropane	1	0	0	20	0*	32	154
Camphor	1	0	0	200	0*	10	202
Hexachlorobutadiene	1	0	0	20	0*	23	181
1,2,4-Trichlorobenzene	1	0	0	20	0*	28	169
1,2,3-Trichlorobenzene	1	0	0	20	0*	30	172
Naphthalene	1	0	0	20	0*	13	191

* - 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: MBS111395

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M177271.D	AD39618-006(50X)(T:MSD)	8/10/2023 4:50:00 PM
Non Spike(If applicable):	1M177320.D	AD39618-006(50X)(T)	8/11/2023 4:03:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	16	181
Dichlorodifluoromethane	1	0	0	20	0*	10	202
Chloromethane	1	0	0	20	0*	10	182
Bromomethane	1	0	0	20	0*	10	172
Vinyl Chloride	1	0	0	20	0*	26	176
Chloroethane	1	0	0	20	0*	28	165
Trichlorofluoromethane	1	0	0	20	0*	18	178
Ethyl ether	1	0	0	20	0*	38	155
Furan	1	0	0	20	0*	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	20	0*	32	178
Methylene Chloride	1	0	0	20	0*	10	225
Acrolein	1	0	0	100	0*	10	183
Acrylonitrile	1	0	0	20	0*	40	164
Iodomethane	1	0	0	20	0*	10	191
Acetone	1	0	0	100	0*	10	237
Carbon Disulfide	1	0	0	20	0*	10	194
t-Butyl Alcohol	1	0	0	100	0*	21	185
n-Hexane	1	0	0	20	0*	43	179
Di-isopropyl-ether	1	0	0	20	0*	47	159
1,1-Dichloroethene	1	0	0	20	0*	42	172
Methyl Acetate	1	0	0	20	0*	10	192
Methyl-t-butyl ether	1	0	0	20	0*	43	154
1,1-Dichloroethane	1	0	0	20	0*	48	160
trans-1,2-Dichloroethene	1	0	0	20	0*	37	171
Ethyl-t-butyl ether	1	0	0	20	0*	53	149
cis-1,2-Dichloroethene	1	0	0	20	0*	45	161
Bromochloromethane	1	0	0	20	0*	42	170
2,2-Dichloropropane	1	0	0	20	0*	33	173
Ethyl acetate	1	0	0	20	0*	38	156
1,4-Dioxane	1	0	0	1000	0*	18	186
1,1-Dichloropropene	1	0	0	20	0*	51	157
Chloroform	1	0	0	20	0*	47	157
Cyclohexane	1	0	0	20	0*	41	175
1,2-Dichloroethane	1	0	0	20	0*	43	154
2-Butanone	1	0	0	20	0*	20	188
1,1,1-Trichloroethane	1	0	0	20	0*	49	155
Carbon Tetrachloride	1	0	0	20	0*	47	159
Vinyl Acetate	1	0	0	20	0*	31	160
Bromodichloromethane	1	0	0	20	0*	48	152
Methylcyclohexane	1	0	0	20	0*	47	167
Dibromomethane	1	0	0	20	0*	47	153
1,2-Dichloropropane	1	0	0	20	0*	53	153
Trichloroethene	1	0	0	20	0*	45	165
Benzene	1	0	0	20	0*	41	163
tert-Amyl methyl ether	1	0	0	20	0*	51	146
Iso-propylacetate	1	0	0	20	0*	37	153
Methyl methacrylate	1	0	0	20	0*	40	160
Dibromochloromethane	1	0	0	20	0*	50	144
2-Chloroethylvinylether	1	0	0	20	0*	10	201
cis-1,3-Dichloropropene	1	0	0	20	0*	49	146
trans-1,3-Dichloropropene	1	0	0	20	0*	48	144
Ethyl methacrylate	1	0	0	20	0*	38	160
1,1,2-Trichloroethane	1	0	0	20	0*	52	146
1,2-Dibromoethane	1	0	0	20	0*	55	140
1,3-Dichloropropane	1	0	0	20	0*	54	142
4-Methyl-2-Pentanone	1	0	0	20	0*	41	158
2-Hexanone	1	0	0	20	0*	39	163
Tetrachloroethene	1	0	0	20	0*	48	156
Toluene	1	0	0	20	0*	49	153
1,1,1,2-Tetrachloroethane	1	0	0	20	0*	51	140
Chlorobenzene	1	0	0	20	0*	43	155

* - 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: MBS111395

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	0	0	20	0*	21	181
n-Amyl acetate	1	0	0	20	0*	20	182
Bromoform	1	0	0	20	0*	47	137
Ethylbenzene	1	0	0	20	0*	41	153
1,1,2,2-Tetrachloroethane	1	0	0	20	0*	36	152
Styrene	1	0	0	20	0*	34	170
m&p-Xylenes	1	1.5479	0	40	3.9*	16	184
o-Xylene	1	0	0	20	0*	31	166
trans-1,4-Dichloro-2-butene	1	0	0	20	0*	10	154
1,3-Dichlorobenzene	1	0	0	20	0*	46	147
1,4-Dichlorobenzene	1	0	0	20	0*	37	156
1,2-Dichlorobenzene	1	0	0	20	0*	42	150
Isopropylbenzene	1	0	0	20	0*	32	174
Cyclohexanone	1	0	0	100	0*	10	254
Camphene	1	0	0	20	0*	10	172
1,2,3-Trichloropropane	1	0	0	20	0*	20	164
2-Chlorotoluene	1	0	0	20	0*	43	153
p-Ethyltoluene	1	0	0	20	0*	36	164
4-Chlorotoluene	1	0	0	20	0*	34	160
n-Propylbenzene	1	0	0	20	0*	36	170
Bromobenzene	1	0	0	20	0*	44	142
1,3,5-Trimethylbenzene	1	0	0	20	0*	37	165
Butyl methacrylate	1	0	0	20	0*	30	169
t-Butylbenzene	1	0	0	20	0*	48	152
1,2,4-Trimethylbenzene	1	0	0	20	0*	38	162
sec-Butylbenzene	1	0	0	20	0*	42	164
4-Isopropyltoluene	1	0	0	20	0*	40	162
n-Butylbenzene	1	0	0	20	0*	30	176
p-Diethylbenzene	1	0	0	20	0*	23	179
1,2,4,5-Tetramethylbenzene	1	0	0	20	0*	18	177
1,2-Dibromo-3-Chloropropane	1	0	0	20	0*	32	154
Camphor	1	0	0	200	0*	10	202
Hexachlorobutadiene	1	0	0	20	0*	23	181
1,2,4-Trichlorobenzene	1	0	0	20	0*	28	169
1,2,3-Trichlorobenzene	1	0	0	20	0*	30	172
Naphthalene	1	0	0	20	0*	13	191

* - 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: MBS111395

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M177271.D	AD39618-006(50X)(T:MSD)	8/10/2023 4:50:00 PM
Duplicate(If applicable):	1M177270.D	AD39618-006(50X)(T:MS)	8/10/2023 4:28:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	0	0	NA	78
Dichlorodifluoromethane	1	0	0	NA	62
Chloromethane	1	0	0	NA	67
Bromomethane	1	0	0	NA	65
Vinyl Chloride	1	0	0	NA	55
Chloroethane	1	0	0	NA	59
Trichlorofluoromethane	1	0	0	NA	56
Ethyl ether	1	0	0	NA	55
Furan	1	0	0	NA	55
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	NA	58
Methylene Chloride	1	0	0	NA	36
Acrolein	1	0	0	NA	66
Acrylonitrile	1	0	0	NA	59
Iodomethane	1	0	0	NA	66
Acetone	1	0	0	NA	85
Carbon Disulfide	1	0	0	NA	61
t-Butyl Alcohol	1	0	0	NA	78
n-Hexane	1	0	0	NA	56
Di-isopropyl-ether	1	0	0	NA	54
1,1-Dichloroethene	1	0	0	NA	56
Methyl Acetate	1	0	0	NA	71
Methyl-t-butyl ether	1	0	0	NA	53
1,1-Dichloroethane	1	0	0	NA	54
trans-1,2-Dichloroethene	1	0	0	NA	54
Ethyl-t-butyl ether	1	0	0	NA	53
cis-1,2-Dichloroethene	1	0	0	NA	53
Bromochloromethane	1	0	0	NA	54
2,2-Dichloropropane	1	0	0	NA	55
Ethyl acetate	1	0	0	NA	56
1,4-Dioxane	1	0	0	NA	95
1,1-Dichloropropene	1	0	0	NA	54
Chloroform	1	0	0	NA	53
Cyclohexane	1	0	0	NA	55
1,2-Dichloroethane	1	0	0	NA	52
2-Butanone	1	0	0	NA	58
1,1,1-Trichloroethane	1	0	0	NA	54
Carbon Tetrachloride	1	0	0	NA	54
Vinyl Acetate	1	0	0	NA	55
Bromodichloromethane	1	0	0	NA	53
Methylcyclohexane	1	0	0	NA	55
Dibromomethane	1	0	0	NA	53
1,2-Dichloropropane	1	0	0	NA	53
Trichloroethene	1	0	0	NA	54
Benzene	1	0	0	NA	52
tert-Amyl methyl ether	1	0	0	NA	52
Iso-propylacetate	1	0	0	NA	54
Methyl methacrylate	1	0	0	NA	55
Dibromochloromethane	1	0	0	NA	52
2-Chloroethylvinylether	1	0	0	NA	224
cis-1,3-Dichloropropene	1	0	0	NA	53
trans-1,3-Dichloropropene	1	0	0	NA	53
Ethyl methacrylate	1	0	0	NA	55
1,1,2-Trichloroethane	1	0	0	NA	52
1,2-Dibromoethane	1	0	0	NA	52
1,3-Dichloropropane	1	0	0	NA	53
4-Methyl-2-Pentanone	1	0	0	NA	69
2-Hexanone	1	0	0	NA	54
Tetrachloroethene	1	0	0	NA	53
Toluene	1	0	0	NA	53
1,1,1,2-Tetrachloroethane	1	0	0	NA	53
Chlorobenzene	1	0	0	NA	53

* - 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: MBS111395

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	0	0	NA	72
n-Amyl acetate	1	0	0	NA	72
Bromoform	**1**	**0**	**0**	**NA**	**54**
Ethylbenzene	**1**	**0**	**0**	**NA**	**57**
1,1,2,2-Tetrachloroethane	**1**	**0**	**0**	**NA**	**58**
Styrene	**1**	**0**	**0**	**NA**	**56**
m&p-Xylenes	**1**	**1.5479**	**1.6259**	**4.9**	**107**
o-Xylene	**1**	**0**	**0**	**NA**	**55**
trans-1,4-Dichloro-2-butene	1	0	0	NA	71
1,3-Dichlorobenzene	**1**	**0**	**0**	**NA**	**53**
1,4-Dichlorobenzene	**1**	**0**	**0**	**NA**	**68**
1,2-Dichlorobenzene	**1**	**0**	**0**	**NA**	**53**
Isopropylbenzene	**1**	**0**	**0**	**NA**	**53**
Cyclohexanone	1	0	0	NA	77
Camphene	1	0	0	NA	68
1,2,3-Trichloropropane	1	0	0	NA	54
2-Chlorotoluene	1	0	0	NA	55
p-Ethyltoluene	1	0	0	NA	56
4-Chlorotoluene	1	0	0	NA	55
n-Propylbenzene	1	0	0	NA	51
Bromobenzene	1	0	0	NA	72
1,3,5-Trimethylbenzene	1	0	0	NA	56
Butyl methacrylate	1	0	0	NA	83
t-Butylbenzene	1	0	0	NA	70
1,2,4-Trimethylbenzene	1	0	0	NA	72
sec-Butylbenzene	1	0	0	NA	54
4-Isopropyltoluene	1	0	0	NA	69
n-Butylbenzene	1	0	0	NA	55
p-Diethylbenzene	1	0	0	NA	70
1,2,4,5-Tetramethylbenzene	1	0	0	NA	51
1,2-Dibromo-3-Chloropropane	**1**	**0**	**0**	**NA**	**56**
Camphor	1	0	0	NA	127
Hexachlorobutadiene	1	0	0	NA	69
1,2,4-Trichlorobenzene	**1**	**0**	**0**	**NA**	**87**
1,2,3-Trichlorobenzene	**1**	**0**	**0**	**NA**	**81**
Naphthalene	1	0	0	NA	80

* - 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: 1M177256.D
Matrix: Aqueous

Blank Analysis Date: 08/10/23 11:24
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD39676-001	1M177274.D	08/10/23 17:55
AD39618-006(50X)	1M177320.D	08/11/23 16:03
AD39618-006(50X)	1M177271.D	08/10/23 16:50
AD39618-006(50X)	1M177270.D	08/10/23 16:28
MBS111395	1M177264.D	08/10/23 14:18

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M188314.D
Matrix: Aqueous

Blank Analysis Date: 08/09/23 17:59
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD39676-002	2M188315.D	08/09/23 18:19
AD39676-003	2M188316.D	08/09/23 18:39
MBS111390	2M188318.D	08/09/23 19:19

Form 5

Tune Name: BFB TUNE **Data File:** 1M176854.D
Instrument: GCMS 1 **Analysis Date:** 08/01/23 19:58
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.502 to 7.540 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	29.0	68405	PASS
75	95	30	60	55.5	131028	PASS
95	95	100	100	100.0	236125	PASS
96	95	5	9	6.9	16306	PASS
173	174	0.00	2	1.4	2247	PASS
174	95	50	100	69.3	163530	PASS
175	174	5	9	8.1	13249	PASS
176	174	95	101	98.9	161709	PASS
177	176	5	9	6.2	10063	PASS

Data File	Sample Number	Analysis Date:
1M176855.D	CAL @ 0.5 PPB	08/01/23 20:19
1M176856.D	CAL @ 1 PPB	08/01/23 20:41
1M176857.D	CAL @5 PPB	08/01/23 21:02
1M176858.D	CAL @ 10 PPB	08/01/23 21:23
1M176859.D	CAL @ 20 PPB	08/01/23 21:45
1M176860.D	CAL @ 50 PPB	08/01/23 22:06
1M176861.D	CAL @ 100 PPB	08/01/23 22:28
1M176862.D	CAL @ 250PPB	08/01/23 22:49
1M176863.D	CAL @ 500 PPB	08/01/23 23:11
1M176865.D	BLK	08/01/23 23:53
1M176868.D	STD	08/02/23 00:57
1M176869.D	ICV	08/02/23 01:18

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M188184.D
Analysis Date: 08/07/23 15:57
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.336 to 7.354 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.7	4233	PASS
75	95	30	60	58.6	10071	PASS
95	95	100	100	100.0	17172	PASS
96	95	5	9	6.8	1175	PASS
173	174	0.00	2	1.2	197	PASS
174	95	50	100	99.4	17077	PASS
175	174	5	9	8.3	1410	PASS
176	174	95	101	98.1	16748	PASS
177	176	5	9	6.9	1150	PASS

Data File	Sample Number	Analysis Date:
2M188186.D	CAL @ 0.5 PPB	08/07/23 16:32
2M188187.D	CAL @ 1 PPB	08/07/23 16:53
2M188188.D	CAL @ 5 PPB	08/07/23 17:13
2M188189.D	CAL @ 10 PPB	08/07/23 17:33
2M188190.D	CAL @ 20 PPB	08/07/23 17:53
2M188192.D	CAL @ 50 PPB	08/07/23 18:33
2M188194.D	CAL @ 100 PPB	08/07/23 19:14
2M188196.D	CAL @ 250 PPB	08/07/23 19:54
2M188199.D	CAL @ 500 PPB	08/07/23 20:54
2M188204.D	STD	08/07/23 22:35
2M188206.D	ICV	08/07/23 23:05

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M188306.D
Analysis Date: 08/09/23 15:23
Method: EPA 8260D

Tune Scan/Time Range: Scan 945

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.3	11178	PASS
75	95	30	60	56.7	28424	PASS
95	95	100	100	100.0	50104	PASS
96	95	5	9	7.4	3701	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	92.1	46160	PASS
175	174	5	9	7.4	3417	PASS
176	174	95	101	95.6	44152	PASS
177	176	5	9	6.7	2950	PASS

Data File	Sample Number	Analysis Date:
2M188308.D	CAL @ 20 PPB	08/09/23 15:58
2M188310.D	STD	08/09/23 16:38
2M188311.D	BLK	08/09/23 16:59
2M188312.D	DI	08/09/23 17:19
2M188313.D	DAILY BLANK	08/09/23 17:39
2M188314.D	DAILY BLANK	08/09/23 17:59
2M188315.D	AD39676-002	08/09/23 18:19
2M188316.D	AD39676-003	08/09/23 18:39
2M188317.D	AD39673-003	08/09/23 19:00
2M188318.D	MBS111390	08/09/23 19:19
2M188319.D	STD	08/09/23 19:39
2M188320.D	AD39605-007(50X)	08/09/23 19:59
2M188321.D	AD39659-010	08/09/23 20:20
2M188322.D	AD39659-012	08/09/23 20:40
2M188323.D	AD39659-009(5X)	08/09/23 21:00
2M188324.D	AD39659-011(5X)	08/09/23 21:21
2M188325.D	AD39605-007(50X)	08/09/23 21:41
2M188326.D	AD39605-007(50X)	08/09/23 22:01
2M188327.D	AD39670-002	08/09/23 22:21
2M188328.D	AD39670-004	08/09/23 22:41
2M188329.D	AD39670-005	08/09/23 23:01
2M188330.D	AD39670-001(10X)	08/09/23 23:22
2M188331.D	AD39670-003(10X)	08/09/23 23:43
2M188332.D	AD39670-006(100X	08/10/23 00:03
2M188333.D	AD39640-003(10X)	08/10/23 00:24
2M188334.D	AD39640-002(10X)	08/10/23 00:44
2M188335.D	AD39640-001(10X)	08/10/23 01:05
2M188336.D	STD	08/10/23 01:25
2M188337.D	39509-002(50X)	08/10/23 01:45
2M188338.D	39509-004(50X)	08/10/23 02:05
2M188339.D	39509-005(50X)	08/10/23 02:25
2M188340.D	39509-006(50X)	08/10/23 02:45
2M188341.D	39509-007(50X)	08/10/23 03:05
2M188342.D	39509-008(50X)	08/10/23 03:25

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M177249.D
Analysis Date: 08/10/23 09:00
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.511 to 7.521 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	29.3	19315	PASS
75	95	30	60	53.4	35148	PASS
95	95	100	100	100.0	65848	PASS
96	95	5	9	7.2	4752	PASS
173	174	0.00	2	1.5	653	PASS
174	95	50	100	65.3	42970	PASS
175	174	5	9	8.9	3815	PASS
176	174	95	101	98.3	42240	PASS
177	176	5	9	7.8	3278	PASS

Data File	Sample Number	Analysis Date:
1M177251.D	CAL @ 20 PPB	08/10/23 09:37
1M177253.D	BLK	08/10/23 10:19
1M177254.D	BLK-HCL	08/10/23 10:41
1M177255.D	DAILY BLANK	08/10/23 11:02
1M177256.D	DAILY BLANK	08/10/23 11:24
1M177257.D	AD39610-004	08/10/23 11:46
1M177258.D	AD39670-003(20X)	08/10/23 12:08
1M177259.D	MBS111394	08/10/23 12:30
1M177260.D	39701-001(50X)	08/10/23 12:51
1M177261.D	AD39640-002	08/10/23 13:13
1M177262.D	AD39640-003	08/10/23 13:34
1M177263.D	AD39640-001	08/10/23 13:56
1M177264.D	MBS111395	08/10/23 14:18
1M177265.D	39618-006(50X)(T)	08/10/23 14:39
1M177266.D	AD39670-003(50X)	08/10/23 15:01
1M177267.D	BLK	08/10/23 15:22
1M177268.D	AD39665-002(20X)	08/10/23 15:45
1M177269.D	AD39665-005	08/10/23 16:07
1M177270.D	AD39618-006(50X)	08/10/23 16:28
1M177271.D	AD39618-006(50X)	08/10/23 16:50
1M177272.D	AD39652-009	08/10/23 17:12
1M177273.D	AD39652-011	08/10/23 17:33
1M177274.D	AD39676-001	08/10/23 17:55
1M177275.D	AD39509-002	08/10/23 18:16
1M177276.D	AD39509-004	08/10/23 18:38
1M177277.D	AD39509-005	08/10/23 18:59
1M177278.D	AD39509-006	08/10/23 19:21
1M177279.D	AD39509-007	08/10/23 19:42
1M177280.D	AD39509-008	08/10/23 20:04
1M177281.D	AD39701-001	08/10/23 20:26
1M177282.D	39681-001(800UL)	08/10/23 20:47
1M177283.D	STD	08/10/23 21:08
1M177284.D	39647-004(MX)	08/10/23 21:30
1M177285.D	39647-004(MXD)	08/10/23 21:51
1M177286.D	39692-001(50X)	08/10/23 22:13
1M177287.D	STD 1	08/10/23 22:34
1M177288.D	39718-003	08/10/23 22:56
1M177289.D	39718-006	08/10/23 23:17
1M177290.D	39721-002	08/10/23 23:39
1M177291.D	BLK	08/11/23 00:01
1M177292.D	BLK	08/11/23 00:22
1M177293.D	BLK	08/11/23 00:44
1M177294.D	BLK	08/11/23 01:05
1M177295.D	BLK	08/11/23 01:27

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M177296.D
Analysis Date: 08/11/23 07:32
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.518 to 7.524 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	30.1	19752	PASS
75	95	30	60	55.5	36395	PASS
95	95	100	100	100.0	65547	PASS
96	95	5	9	6.7	4424	PASS
173	174	0.00	2	1.0	407	PASS
174	95	50	100	62.0	40651	PASS
175	174	5	9	5.4	2213	PASS
176	174	95	101	100.9	40997	PASS
177	176	5	9	8.9	3637	PASS

Data File	Sample Number	Analysis Date:
1M177298.D	CAL @ 20 PPB	08/11/23 08:08
1M177299.D	20 PPB	08/11/23 08:30
1M177300.D	HCL	08/11/23 08:51
1M177301.D	HCL	08/11/23 09:13
1M177302.D	DAILY BLANK	08/11/23 09:34
1M177303.D	DAILY BLANK	08/11/23 09:56
1M177304.D	AD39697-001	08/11/23 10:17
1M177305.D	AD39697-003	08/11/23 10:39
1M177306.D	AD39697-005	08/11/23 11:00
1M177307.D	MBS111397	08/11/23 11:22
1M177308.D	AD39605-005(50X)	08/11/23 11:43
1M177309.D	AD39697-007	08/11/23 12:05
1M177310.D	AD39697-011	08/11/23 12:26
1M177311.D	AD39697-012	08/11/23 12:48
1M177312.D	AD39692-001	08/11/23 13:09
1M177313.D	AD39697-009	08/11/23 13:31
1M177314.D	AD39626-001	08/11/23 13:53
1M177315.D	AD39626-002(MS:	08/11/23 14:14
1M177316.D	AD39626-003(MSD	08/11/23 14:36
1M177317.D	MBS111398	08/11/23 14:58
1M177318.D	AD39605-005(50X)	08/11/23 15:19
1M177319.D	AD39605-005(50X)	08/11/23 15:41
1M177320.D	AD39618-006(50X)	08/11/23 16:03
1M177321.D	AD39637-002(50X)	08/11/23 16:25
1M177322.D	AD39648-003(50X)	08/11/23 16:47
1M177323.D	EF-1-V-400767(081	08/11/23 17:09
1M177324.D	AD39666-002(50X)	08/11/23 17:30
1M177325.D	AD39648-006(50X)	08/11/23 17:52
1M177326.D	AD39680-001(50X)	08/11/23 18:14
1M177327.D	AD39681-001(50X)	08/11/23 18:36
1M177328.D	AD39690-002(50X)	08/11/23 18:58
1M177329.D	AD39660-002(50X)	08/11/23 19:20
1M177330.D	39681-001	08/11/23 19:42
1M177331.D	BLK	08/11/23 20:03
1M177332.D	BLK	08/11/23 20:19
1M177334.D	BLK	08/11/23 20:50
1M177335.D	20 PPB	08/11/23 21:06

FORM8

Internal Standard Areas

Evaluation Std Data File: 1M176859.D Method: EPA 8260D

Analysis Date/Time: 08/01/23 21:45

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:	1816068	5.16	1416464	6.88	703758	8.19								
Eval File Area Limit:	908034-3632136		708232-2832928		351879-1407516									
Eval File Rt Limit:	4.66-5.66		6.38-7.38		7.69-8.69									

Data File	Sample#						
1M176855.D	CAL @ 0.5 PPB	1642948	5.16	1309227	6.88	542705	8.19
1M176856.D	CAL @ 1 PPB	1822136	5.16	1309751	6.88	555532	8.19
1M176857.D	CAL @5 PPB	1694288	5.16	1321082	6.88	634894	8.19
1M176858.D	CAL @ 10 PPB	1709409	5.16	1342863	6.88	665759	8.19
1M176859.D	CAL @ 20 PPB	1816068	5.16	1416464	6.88	703758	8.19
1M176860.D	CAL @ 50 PPB	1816119	5.16	1442104	6.88	724507	8.19
1M176861.D	CAL @ 100 PPB	1867738	5.16	1531281	6.88	779205	8.19
1M176862.D	CAL @ 250PPB	1939917	5.16	1650990	6.88	1134068	8.19
1M176863.D	CAL @ 500 PPB	2089863	5.16	1735721	6.88	1112590	8.19
1M176865.D	BLK	1836926	5.16	1449317	6.88	633309	8.19
1M176868.D	STD	1676381	5.16	1317417	6.88	659897	8.19
1M176869.D	ICV	1835238	5.16	1443201	6.88	717415	8.19

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: 2M188190.D Method: EPA 8260D

Analysis Date/Time: 08/07/23 17:53

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:	148890	5.09	141381	6.73	79947	8.01								
Eval File Area Limit:	74445-297780		70690-282762		39974-159894									
Eval File Rt Limit:	4.59-5.59		6.23-7.23		7.51-8.51									

Data File	Sample#													
2M188186.D	CAL @ 0.5 PPB	160619	5.09	153004	6.73	80822	8.01							
2M188187.D	CAL @ 1 PPB	154411	5.09	173558	6.73	77862	8.01							
2M188188.D	CAL @ 5 PPB	150515	5.09	147255	6.73	87850	8.01							
2M188189.D	CAL @ 10 PPB	151496	5.09	145459	6.73	79084	8.01							
2M188190.D	CAL @ 20 PPB	148890	5.09	141381	6.73	79947	8.01							
2M188192.D	CAL @ 50 PPB	150995	5.09	144635	6.73	83609	8.01							
2M188194.D	CAL @ 100 PPB	155147	5.09	148834	6.73	88852	8.01							
2M188196.D	CAL @ 250 PPB	153317	5.09	152284	6.73	128647	8.01							
2M188199.D	CAL @ 500 PPB	178405	5.09	178272	6.73	124448	8.01							
2M188204.D	STD	143066	5.09	197361	6.73	76800	8.01							
2M188206.D	ICV	163897	5.09	156405	6.73	87589	8.01							

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: 2M188308.D Method: EPA 8260D

Analysis Date/Time: 08/09/23 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:	246544	5.09	246334	6.73	139021	8.01								
Eval File Area Limit:	123272-493088		123167-492668		69510-278042									
Eval File Rt Limit:	4.59-5.59		6.23-7.23		7.51-8.51									

Data File	Sample#						
2M188310.D	STD	259001	5.09	254540	6.73	143085	8.01
2M188311.D	BLK	255667	5.09	254332	6.73	136090	8.01
2M188312.D	DI	245024	5.09	242977	6.73	126960	8.01
2M188313.D	DAILY BLANK	238369	5.09	233200	6.73	128206	8.01
2M188314.D	DAILY BLANK	228510	5.09	221183	6.73	121836	8.01
2M188315.D	AD39676-002	172867	5.09	198852	6.73	105565	8.01
2M188316.D	AD39676-003	194372	5.09	230110	6.73	116850	8.01
2M188317.D	AD39673-003	166656	5.09	200066	6.73	129547	8.01
2M188318.D	MBS111390	155134	5.09	157764	6.73	105388	8.01
2M188319.D	STD	185405	5.09	192326	6.73	122157	8.01
2M188320.D	AD39605-007(50X)(T)	229788	5.09	232031	6.73	125508	8.01
2M188321.D	AD39659-010	219709	5.09	221857	6.73	122930	8.01
2M188322.D	AD39659-012	204919	5.09	212855	6.73	118699	8.01
2M188323.D	AD39659-009(5X)	208132	5.09	211349	6.73	117220	8.01
2M188324.D	AD39659-011(5X)	161154	5.09	199753	6.73	113061	8.01
2M188325.D	AD39605-007(50X)(T:	145404	5.09	148436	6.73	98491	8.01
2M188326.D	AD39605-007(50X)(T:	162869	5.09	166926	6.73	113858	8.01
2M188327.D	AD39670-002	163118	5.09	165718	6.73	92539	8.01
2M188328.D	AD39670-004	156945	5.09	160861	6.73	89012	8.01
2M188329.D	AD39670-005	157174	5.09	159706	6.73	86261	8.01
2M188330.D	AD39670-001(10X)	158852	5.09	164070	6.73	92846	8.01
2M188331.D	AD39670-003(10X)	157567	5.09	161323	6.73	119168	8.01
2M188332.D	AD39670-006(100X)	158519	5.09	162074	6.73	88527	8.01
2M188333.D	AD39640-003(10X)	161235	5.09	160060	6.73	87297	8.01
2M188334.D	AD39640-002(10X)	153807	5.09	156616	6.73	86382	8.01
2M188335.D	AD39640-001(10X)	156140	5.09	159403	6.73	87895	8.01
2M188336.D	STD	162694	5.09	165632	6.73	100079	8.01
2M188337.D	39509-002(50X)	157206	5.09	159940	6.73	85646	8.01
2M188338.D	39509-004(50X)	153575	5.09	156923	6.73	86474	8.01
2M188339.D	39509-005(50X)	154133	5.09	156652	6.73	85327	8.01
2M188340.D	39509-006(50X)	153122	5.09	156343	6.73	84100	8.01
2M188341.D	39509-007(50X)	152292	5.09	154049	6.73	102536	8.01

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: 2M188308.D Method: EPA 8260D

Analysis Date/Time: 08/09/23 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:	246544	5.09	246334	6.73	139021	8.01								
Eval File Area Limit:	123272-493088		123167-492668		69510-278042									
Eval File Rt Limit:	4.59-5.59		6.23-7.23		7.51-8.51									
Data File Sample#														
2M188342.D 39509-008(50X)	152234	5.09	156884	6.73	86312	8.01								

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: 1M177251.D Method: EPA 8260D

Analysis Date/Time: 08/10/23 09:37

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:	1275848	5.16	1091340	6.88	526539	8.19								
Eval File Area Limit:	637924-2551696		545670-2182680		263270-1053078									
Eval File Rt Limit:	4.66-5.66		6.38-7.38		7.69-8.69									

Data File	Sample#						
1M177253.D	BLK	1361762	5.16	1169837	6.88	494763	8.19
1M177254.D	BLK-HCL	1348917	5.16	1156747	6.88	497446	8.19
1M177255.D	DAILY BLANK	1297593	5.16	1111806	6.88	484461	8.19
1M177256.D	DAILY BLANK	1328197	5.16	1121680	6.88	484657	8.19
1M177257.D	AD39610-004	1349828	5.16	1159718	6.88	500108	8.19
1M177258.D	AD39670-003(20X)	1385265	5.16	1205537	6.88	580601	8.19
1M177259.D	MBS111394	1398357	5.16	1177310	6.88	583216	8.19
1M177260.D	39701-001(50X)	1342836	5.16	1151407	6.88	513317	8.19
1M177261.D	AD39640-002	1348554	5.16	1183896	6.88	527065	8.19
1M177262.D	AD39640-003	1313733	5.16	1150721	6.88	492861	8.19
1M177263.D	AD39640-001	1313242	5.16	1171264	6.88	545012	8.19
1M177264.D	MBS111395	1346526	5.16	1168846	6.88	569486	8.19
1M177265.D	39618-006(50X)(T)	11638A	5.16	9485A	6.88	9598A	8.19
1M177266.D	AD39670-003(50X)	1305504	5.16	1127948	6.88	516081	8.19
1M177267.D	BLK	1312550	5.16	1156271	6.88	509483	8.19
1M177270.D	AD39618-006(50X)(T:	1267562	5.16	1079505	6.88	460421	8.19
1M177271.D	AD39618-006(50X)(T:	1337544	5.16	1207378	6.88	514668	8.19
1M177272.D	AD39652-009	1294437	5.16	1124337	6.88	518245	8.19
1M177273.D	AD39652-011	1381710	5.16	1216016	6.88	540973	8.19
1M177274.D	AD39676-001	1309434	5.16	1178164	6.88	518922	8.19
1M177282.D	39681-001(800UL)	1235264	5.16	1115744	6.88	531744	8.19
1M177283.D	STD	1441332	5.16	1305482	6.88	601513	8.19
1M177284.D	39647-004(MX)	1493392	5.16	1377590	6.88	635965	8.19
1M177285.D	39647-004(MXD)	1471134	5.16	1340714	6.88	619651	8.19
1M177286.D	39692-001(50X)	1534975	5.16	1375031	6.88	603574	8.19
1M177287.D	STD 1	1521353	5.16	1329338	6.88	627574	8.19
1M177288.D	39718-003	1530097	5.16	1374595	6.88	640233	8.19
1M177289.D	39718-006	1538256	5.15	1330484	6.88	600655	8.19
1M177290.D	39721-002	1557078	5.16	1346751	6.88	606259	8.19
1M177291.D	BLK	1560747	5.16	1351990	6.88	593009	8.19
1M177292.D	BLK	1479832	5.16	1274274	6.88	554448	8.19
1M177293.D	BLK	1435929	5.16	1236774	6.88	536369	8.19

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: 1M177251.D Method: EPA 8260D

Analysis Date/Time: 08/10/23 09:37

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:	1275848	5.16	1091340	6.88	526539	8.19								
Eval File Area Limit:	637924-2551696		545670-2182680		263270-1053078									
Eval File Rt Limit:	4.66-5.66		6.38-7.38		7.69-8.69									
Data File Sample#														
1M177294.D BLK	1425246	5.16	1256865	6.88	520862	8.19								
1M177295.D BLK	1377343	5.16	1196467	6.88	526432	8.19								

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: 1M177298.D Method: EPA 8260D

Analysis Date/Time: 08/11/23 08:08

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:	1338818	5.16	1136271	6.88	543364	8.19								
Eval File Area Limit:	669409-2677636		568136-2272542		271682-1086728									
Eval File Rt Limit:	4.66-5.66		6.38-7.38		7.69-8.69									

Data File	Sample#													
1M177299.D	20 PPB	1432327	5.16	1251410	6.88	616795	8.19							
1M177300.D	HCL	1372284	5.16	1171004	6.88	500214	8.19							
1M177301.D	HCL	1342288	5.16	1150814	6.88	489738	8.19							
1M177302.D	DAILY BLANK	1291837	5.16	1130233	6.88	468881	8.19							
1M177303.D	DAILY BLANK	1321451	5.16	1127521	6.88	476638	8.19							
1M177304.D	AD39697-001	1297403	5.16	1123064	6.88	474387	8.19							
1M177305.D	AD39697-003	1255459	5.16	1105411	6.88	469536	8.19							
1M177306.D	AD39697-005	1340470	5.16	1138804	6.88	480223	8.19							
1M177307.D	MBS111397	1309655	5.16	1137835	6.88	559112	8.19							
1M177308.D	AD39605-005(50X)(T)	1282755	5.16	1084190	6.88	464733	8.19							
1M177309.D	AD39697-007	1215012	5.16	1058400	6.88	451009	8.19							
1M177310.D	AD39697-011	1227621	5.16	1077095	6.88	445715	8.19							
1M177311.D	AD39697-012	1204111	5.16	1036110	6.88	438565	8.19							
1M177312.D	AD39692-001	1188845	5.16	1051992	6.88	455404	8.19							
1M177313.D	AD39697-009	1191017	5.16	1052369	6.88	441869	8.19							
1M177314.D	AD39626-001	1283562	5.16	1192784	6.88	575412	8.19							
1M177315.D	AD39626-002(MS:AD	1511361	5.15	1379677	6.88	908840	8.19							
1M177316.D	AD39626-003(MSD:A	1523825	5.15	1390516	6.88	1034780	8.19							
1M177317.D	MBS111398	1621719	5.16	1485080	6.88	688830	8.19							
1M177318.D	AD39605-005(50X)(T:	1602496	5.16	1458495	6.88	657697	8.19							
1M177319.D	AD39605-005(50X)(T:	1710522	5.16	1571558	6.88	722511	8.19							
1M177320.D	AD39618-006(50X)(T)	1629124	5.16	1472824	6.88	660421	8.19							
1M177321.D	AD39637-002(50X)(T)	1620877	5.16	1455142	6.88	659016	8.19							
1M177322.D	AD39648-003(50X)(T)	1597419	5.16	1430800	6.88	645768	8.19							
1M177323.D	EF-1-V-400767(08102	1558187	5.16	1396304	6.88	602570	8.19							
1M177324.D	AD39666-002(50X)(T)	1539502	5.16	1366284	6.88	606494	8.19							
1M177325.D	AD39648-006(50X)(T)	1529124	5.16	1357798	6.88	604062	8.19							
1M177326.D	AD39680-001(50X)(T)	1515453	5.16	1317429	6.88	567782	8.19							
1M177327.D	AD39681-001(50X)(T)	1491648	5.16	1299582	6.88	572174	8.19							
1M177328.D	AD39690-002(50X)(T)	1449060	5.16	1266578	6.88	545597	8.19							
1M177329.D	AD39660-002(50X)(T)	1398696	5.16	1222882	6.88	522954	8.19							
1M177330.D	39681-001	1356875	5.15	1207810	6.88	588451	8.19							

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: 1M177298.D Method: EPA 8260D

Analysis Date/Time: 08/11/23 08:08

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:	1338818	5.16	1136271	6.88	543364	8.19								
Eval File Area Limit:	669409-2677636		568136-2272542		271682-1086728									
Eval File Rt Limit:	4.66-5.66		6.38-7.38		7.69-8.69									

Data File	Sample#													
1M177331.D	BLK	1596119	5.16	1449801	6.88	667447	8.19							
1M177332.D	BLK	136211A	5.12	174847A	6.87	133018A	8.19							
1M177334.D	BLK	136302A	5.12	210189A	6.87	187625A	8.18							
1M177335.D	20 PPB	1520995	5.15	1316748	6.87	607380	8.19							

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.

GC/MS Volatile Data
Sample Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD39676-001
Client Id: MW-1
Data File: 1M177274.D
Analysis Date: 08/10/23 17:55
Date Rec/Extracted: 08/08/23-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**8.6**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	**156-60-5**	**trans-1,2-Dichloroethene**	**1.0**	**5.3**
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**5.2**
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	**75-01-4**	**Vinyl Chloride**	**1.0**	**16**
1330-20-7	Xylenes (Total)	1.0	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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD39676-001
Client Id: MW-1
Data File: 1M177274.D
Analysis Date: 08/10/23 17:55
Date Rec/Extracted: 08/08/23-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.23	3.6J

Worksheet #: 704232

Total Tentatively Identified Concentration 3.6

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

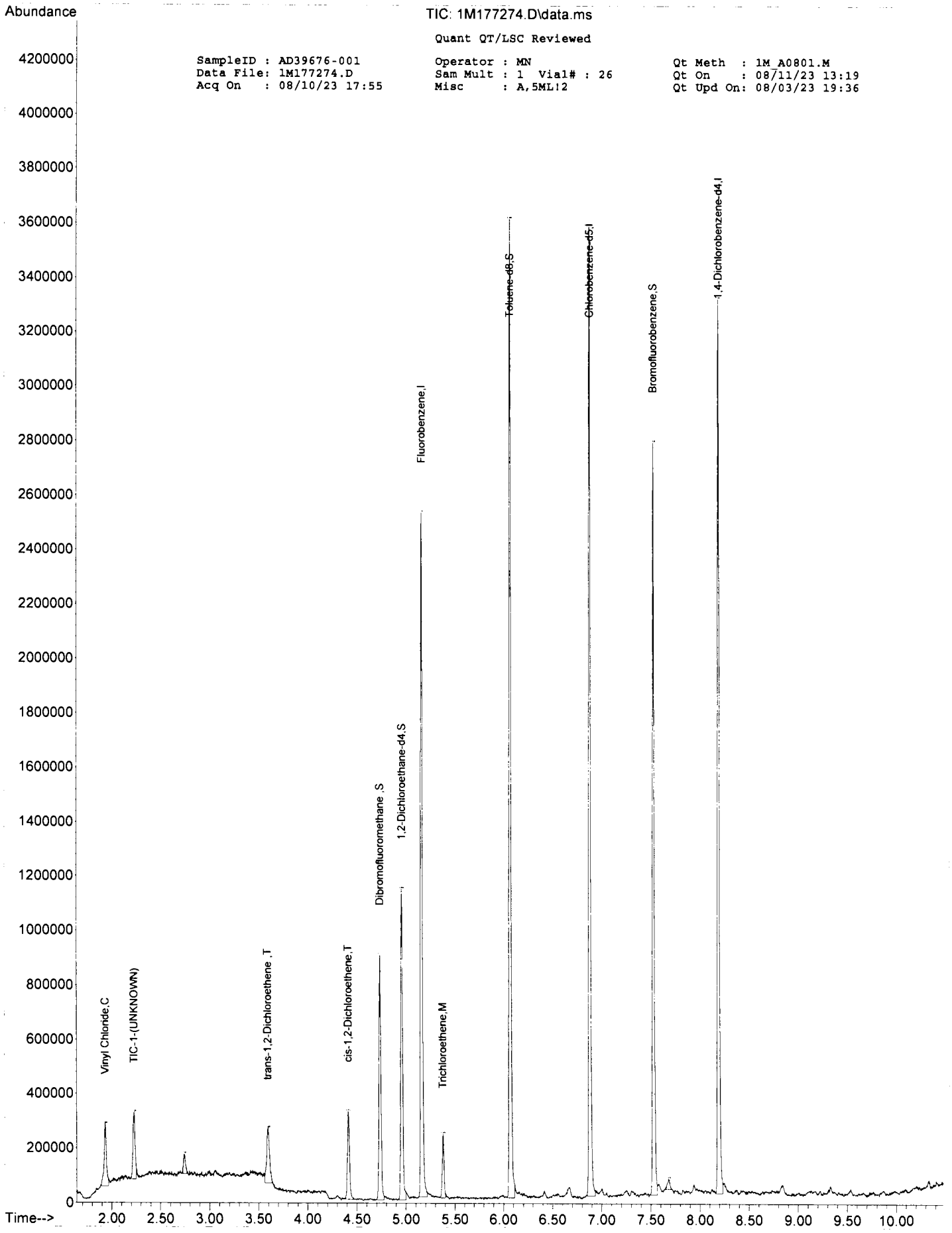
Quantitation Report (QT/LSC Reviewed)

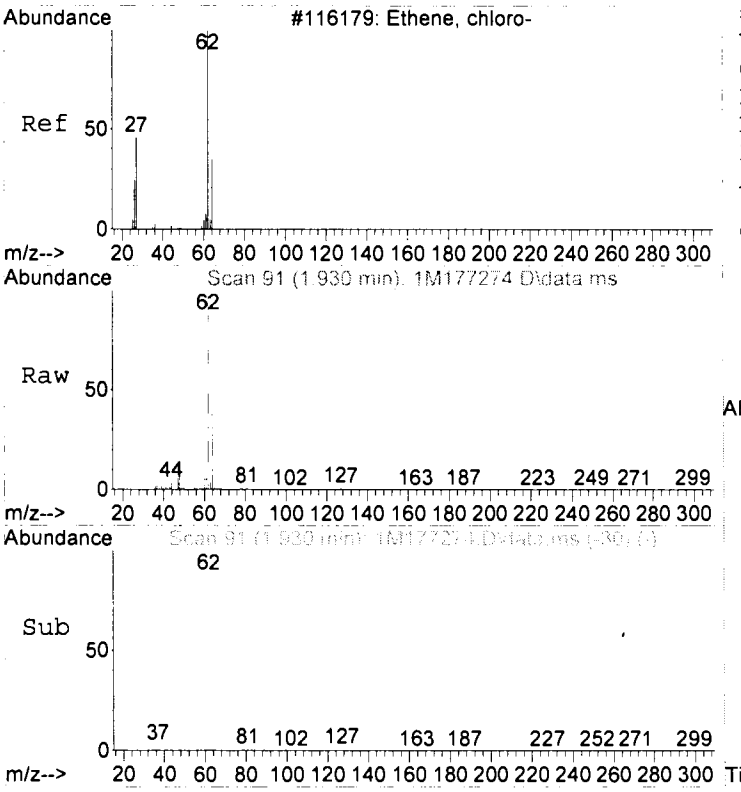
SampleID : AD39676-001 Operator : MN Qt Meth : 1M_A0801.M
Data File: 1M177274.D Sam Mult : 1 Vial# : 26 Qt On : 08/11/23 13:19
Acq On : 08/10/23 17:55 Misc : A,5ML!2 Qt Upd On: 08/03/23 19:36

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1309434	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.881	117	1178164	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.193	152	518922	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.737	111	372655	30.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.03%			
39) 1,2-Dichloroethane-d4	4.958	67	250942	30.84	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.80%			
66) Toluene-d8	6.068	98	1446413	28.17	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.90%			
76) Bromofluorobenzene	7.528	174	413931	30.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.23%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.930	62	180817m	16.1774	ug/l	
28) trans-1,2-Dichloroethene	3.592	96	47441m	5.3277	ug/l	
30) cis-1,2-Dichloroethene	4.412	61	154924m	8.5860	ug/l	
49) Trichloroethene	5.373	130	40538m	5.2303	ug/l	
Library Search Internal Standards TIC Results						
1) Fluorobenzene	5.161		3171380	30.00	ug/l	--
2) Chlorobenzene-d5	6.878		4386920	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	8.190		3980030	30.00	ug/l	--
Library Search Compounds						
1) UNKNOWN	2.230		380151	3.60	ug/l	--

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

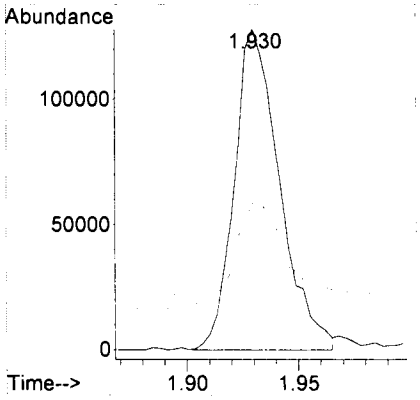

Abundance
TIC: 1M177274.D\data.ms
Quant QT/LSC Reviewed
SampleID : AD39676-001
Data File: 1M177274.D
Acq On : 08/10/23 17:55
Operator : MN
Sam Mult : 1 Vial# : 26
Misc : A,5ML!2
Qt Meth : 1M_A0801.M
Qt On : 08/11/23 13:19
Qt Upd On: 08/03/23 19:36
Vinyl Chloride,C
TIC-1-(UNKNOWN)
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

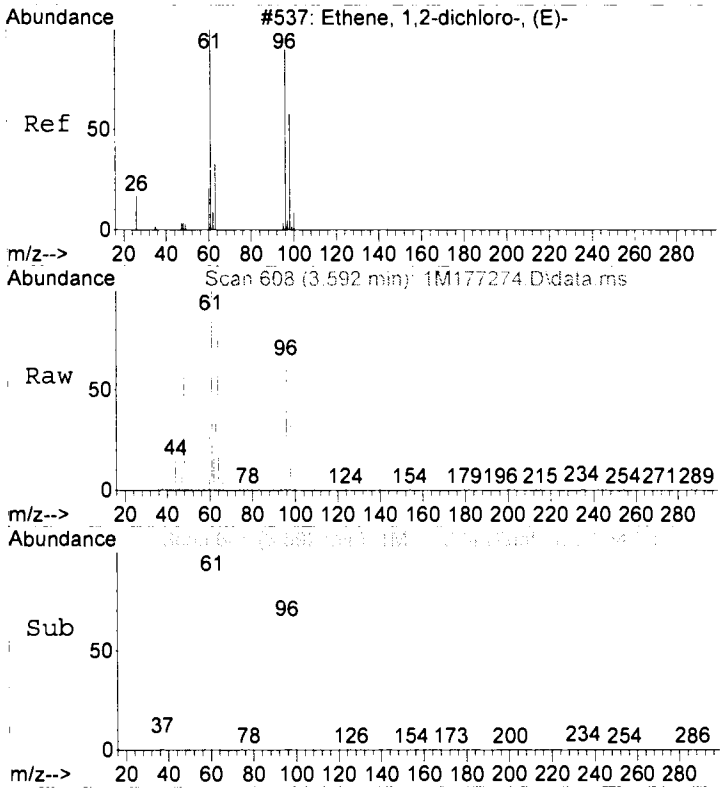


#9
Vinyl Chloride
Concen: 16.18 ug/l m
RT: 1.930 min Scan# 91
Delta R.T. -0.003 min
Lab File: 1M177274.D
Acq: 10 Aug 2023 17:55

Tgt Ion: 62 Resp: 180817

Ion	Ratio	Lower	Upper
62	100		
64	45.8	0.0	71.0

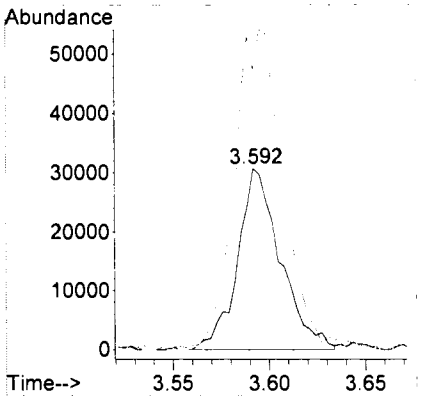


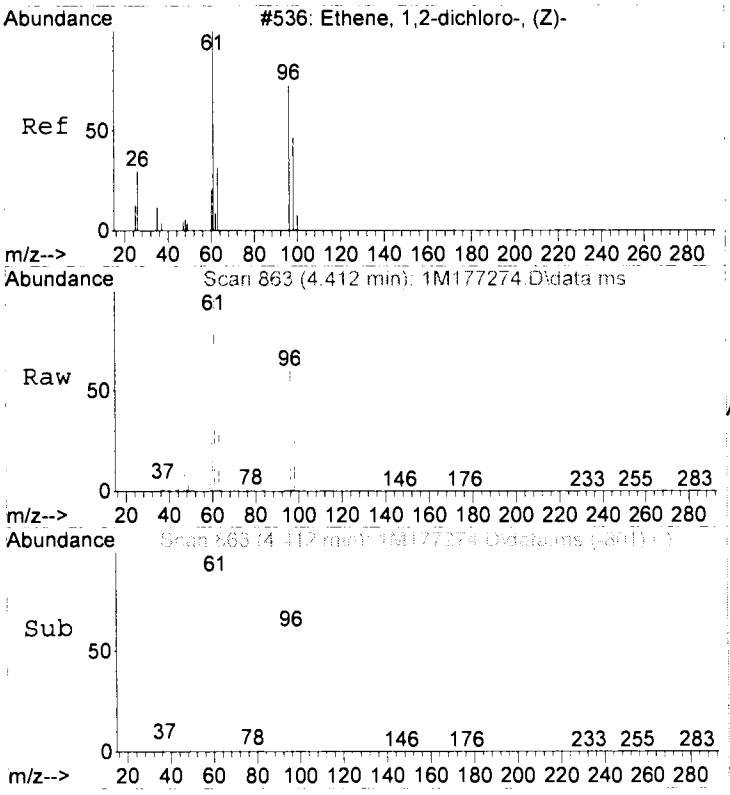


#28
trans-1,2-Dichloroethene
Concen: 5.33 ug/l m
RT: 3.592 min Scan# 608
Delta R.T. -0.003 min
Lab File: 1M177274.D
Acq: 10 Aug 2023 17:55

Tgt Ion: 96 Resp: 47441

Ion	Ratio	Lower	Upper
96	100		
61	154.1	52.2	202.2
98	65.4	24.4	104.4

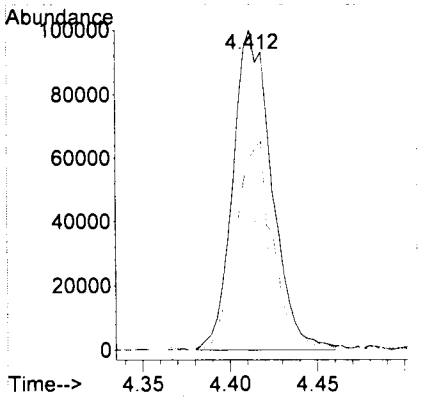


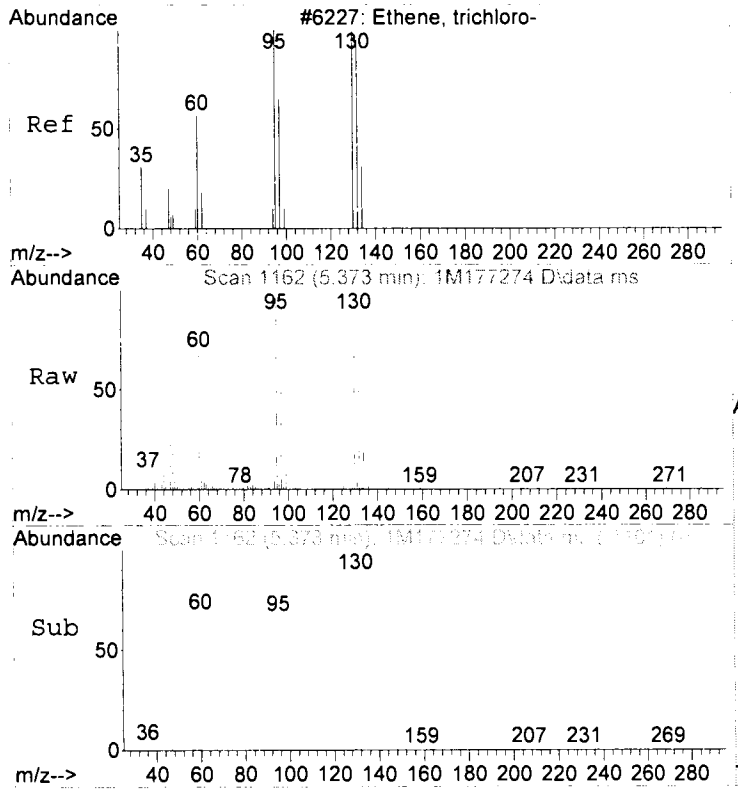


#30
cis-1,2-Dichloroethene
Concen: 8.59 ug/l m
RT: 4.412 min Scan# 863
Delta R.T. 0.000 min
Lab File: 1M177274.D
Acq: 10 Aug 2023 17:55

Tgt Ion: 61 Resp: 154924

Ion	Ratio	Lower	Upper
61	100		
96	60.0	33.4	113.4
98	36.1	6.5	86.5

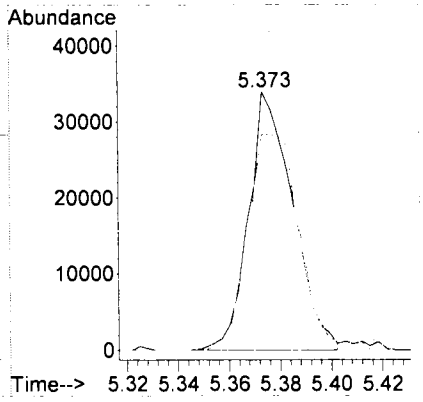




#49
Trichloroethene
Concen: 5.23 ug/l m
RT: 5.373 min Scan# 1162
Delta R.T. -0.003 min
Lab File: 1M177274.D
Acq: 10 Aug 2023 17:55

Tgt Ion:130 Resp: 40538

Ion	Ratio	Lower	Upper
130	100		
132	83.4	57.1	137.1
95	104.9	45.2	145.2



Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Data File : 1M177274.D
Acq On : 10 Aug 2023 17:55
Operator : MN
Sample : AD39676-001
Misc : A,5ML!2
ALS Vial : 26 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2023\GCMS_1\MethodQt\1M_A0801.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M177274.D\data.ms

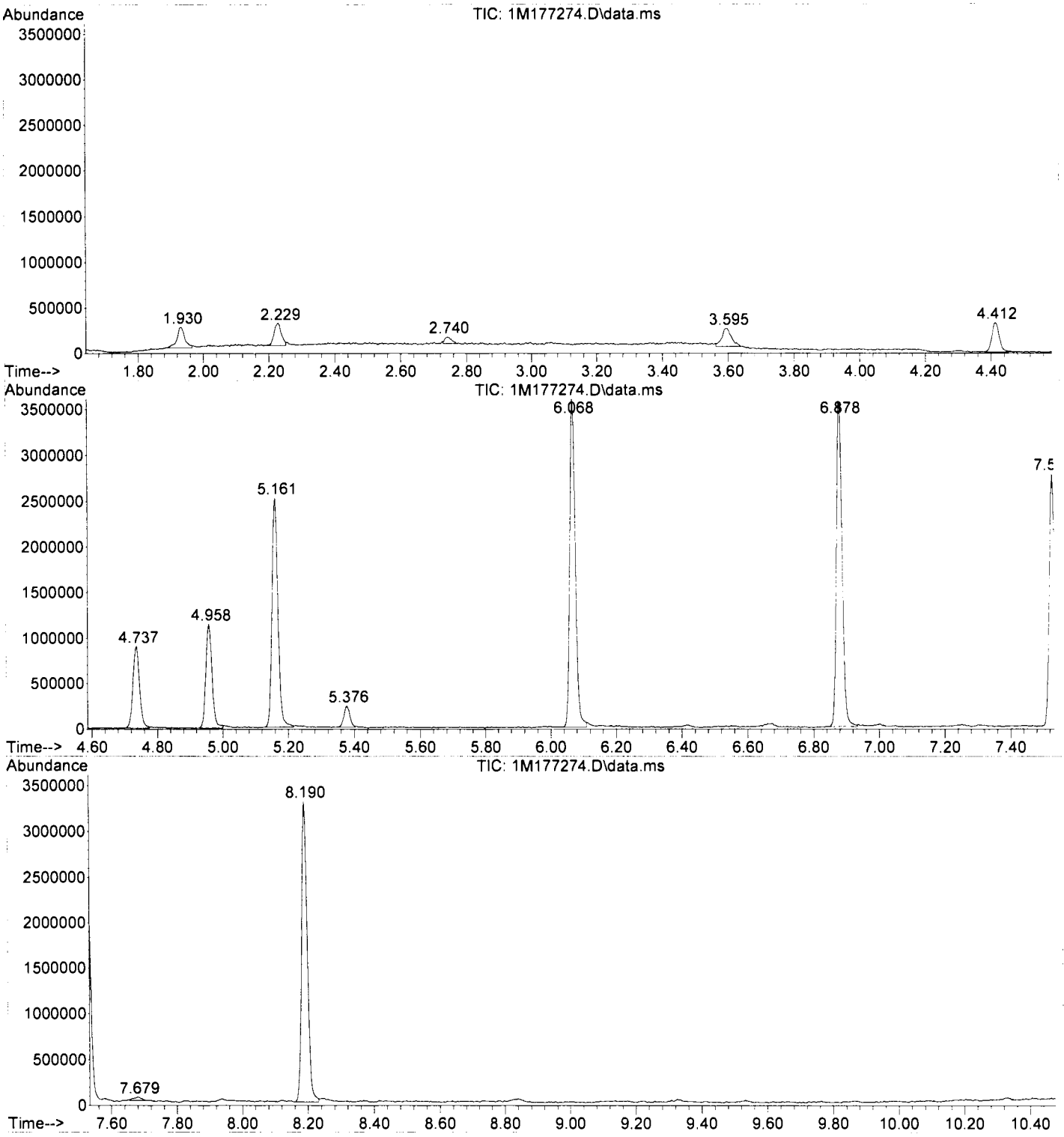
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.930	78	91	102	rBV	227475	387516	8.92%	1.621%
2	2.229	173	184	191	rBV	243933	380151	8.75%	1.590%
3	2.740	339	343	353	rVB4	71986	101541	2.34%	0.425%
4	3.595	599	609	622	rVB4	199636	402334	9.26%	1.683%
5	4.412	852	863	881	rBV3	321606	493877	11.37%	2.066%
6	4.737	952	964	976	rBV	900056	1245701	28.68%	5.212%
7	4.958	1021	1033	1046	rBV2	1140706	1507045	34.69%	6.305%
8	5.161	1086	1096	1113	rBV	2515972	3139479	72.27%	13.134%
9	5.376	1152	1163	1171	rBV3	233156	296437	6.82%	1.240%
10	6.068	1368	1378	1391	rBV	3597983	4314413	99.32%	18.050%
11	6.878	1621	1630	1647	rBV	3564021	4344004	100.00%	18.174%
12	7.528	1822	1832	1843	rBV	2766578	3262269	75.10%	13.648%
13	7.679	1871	1879	1887	rVB	36978	61260	1.41%	0.256%
14	8.190	2028	2038	2051	rBV	3289882	3966540	91.31%	16.595%

Sum of corrected areas: 23902567

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Data File : 1M177274.D
Acq On : 10 Aug 2023 17:55
Operator : MN
Sample : AD39676-001
Misc : A,5ML!2
ALS Vial : 26 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_1\MethodQt\1M_A0801.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Data File : 1M177274.D
Acq On : 10 Aug 2023 17:55
Operator : MN
Sample : AD39676-001
Misc : A,5ML!2
ALS Vial : 26 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_1\MethodQt\1M_A0801.M
Quant Title : @GCMS_1,ug,624,8260

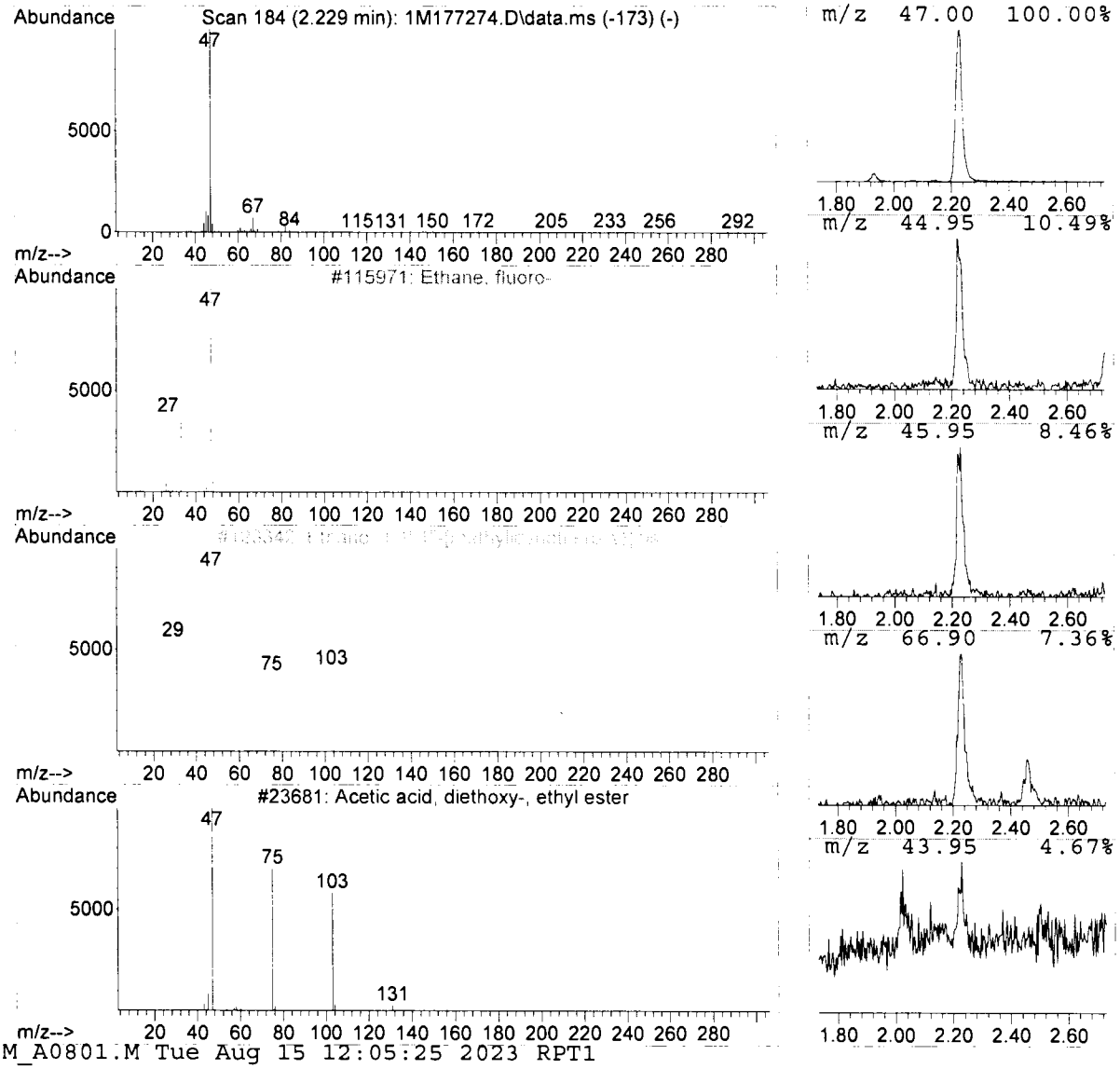
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	3.60 ug/l	380151	LibIS-Fluorobenzene	5.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, fluoro-	48	C2H5F	000353-36-6	4
2	Ethane, 1,1',1''-[methylidynetri...	148	C7H16O3	000122-51-0	2
3	Acetic acid, diethoxy-, ethyl ester	176	C8H16O4	006065-82-3	2
4	Acetaldehyde, trifluoro-	98	C2HF3O	000075-90-1	2
5	Acetic acid, mercapto-, ethyl ester	120	C4H8O2S	000623-51-8	4



Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Data File : 1M177274.D
Acq On : 10 Aug 2023 17:55
Operator : MN
Sample : AD39676-001
Misc : A,5ML!2
ALS Vial : 26 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_1\MethodQt\1M_A0801.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc
unknown	2.23	3.6	ug/l	380151	1 5.16	5.16	3171380	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD39676-002
Client Id: TB
Data File: 2M188315.D
Analysis Date: 08/09/23 18:19
Date Rec/Extracted: 08/08/23-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	**Acetone**	**5.0**	**7.2**	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 704232

Total Target Concentration 7.2

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD39676-002	Matrix: Aqueous
Client Id: TB	Initial Vol: 5ml
Data File: 2M188315.D	Final Vol: NA
Analysis Date: 08/09/23 18:19	Dilution: 1.00
Date Rec/Extracted: 08/08/23-NA	Solids:
	Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 704232

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Quantitation Report (QT Reviewed)

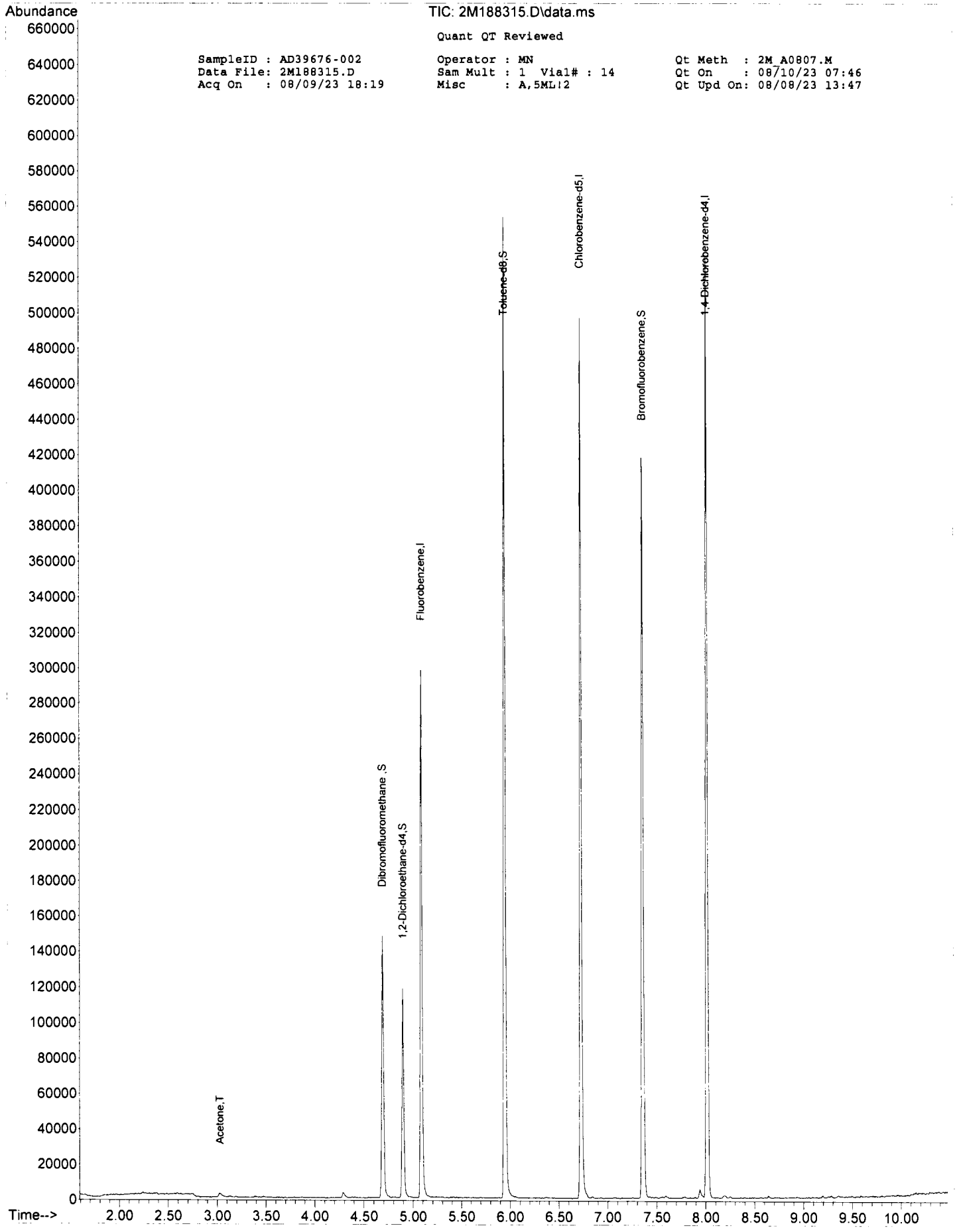
SampleID : AD39676-002 Operator : MN Qt Meth : 2M_A0807.M
Data File: 2M188315.D Sam Mult : 1 Vial# : 14 Qt On : 08/10/23 07:46
Acq On : 08/09/23 18:19 Misc : A,5ML!2 Qt Upd On: 08/08/23 13:47

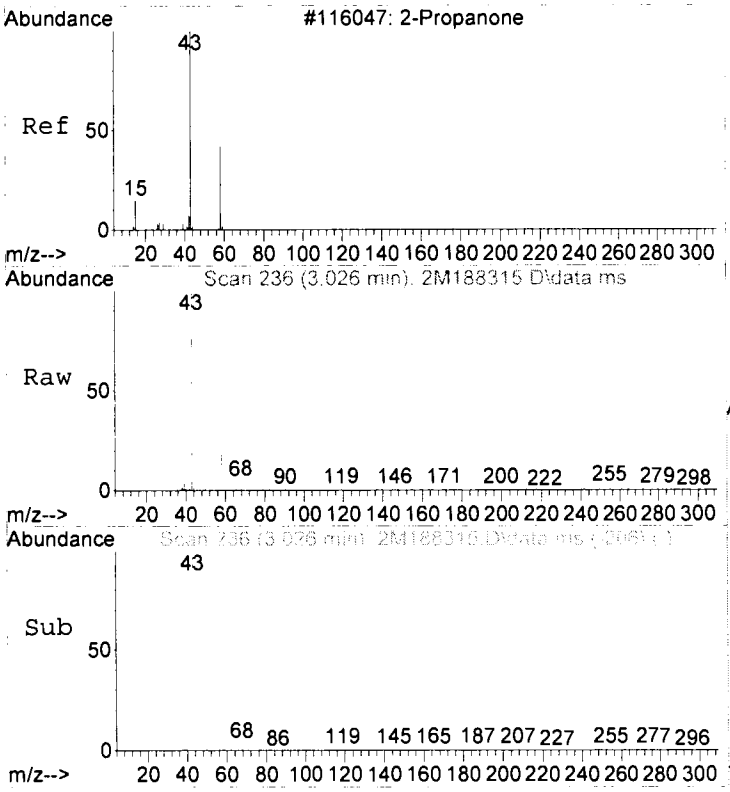
Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.086	96	172867	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.726	117	198852	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	105565	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	55111	27.40	ug/l	-0.01
Spiked Amount 30.000			Recovery = 91.33%			
39) 1,2-Dichloroethane-d4	4.897	67	25121	28.98	ug/l	-0.01
Spiked Amount 30.000			Recovery = 96.60%			
66) Toluene-d8	5.946	98	244187	32.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.87%			
76) Bromofluorobenzene	7.360	174	97839	30.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.67%			
Target Compounds						Qvalue
19) Acetone	3.026	43	3448m	7.2260	ug/l	

No Library Search Compounds Found

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

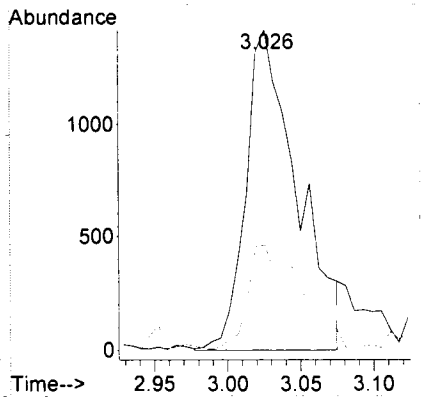

Abundance
TIC: 2M188315.D\data.ms
Quant QT Reviewed
SampleID : AD39676-002
Data File: 2M188315.D
Acq On : 08/09/23 18:19
Operator : MN
Sam Mult : 1 Vial# : 14
Misc : A,5ML!2
Qt Meth : 2M_A0807.M
Qt On : 08/10/23 07:46
Qt Upd On: 08/08/23 13:47
Acetone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->



#19
Acetone
Concen: 7.23 ug/l m
RT: 3.026 min Scan# 236
Delta R.T. -0.018 min
Lab File: 2M188315.D
Acq: 09 Aug 2023 18:19

Tgt Ion: 43 Resp: 3448

Ion	Ratio	Lower	Upper
43	100		
58	32.7	0.0	71.6



Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Data File : 2M188315.D
Acq On : 09 Aug 2023 18:19
Operator : MN
Sample : AD39676-002
Misc : A,5ML!2
ALS Vial : 14 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0807.M
Title : @GCMS_2,ug,624,8260

Signal : TIC: 2M188315.D\data.ms

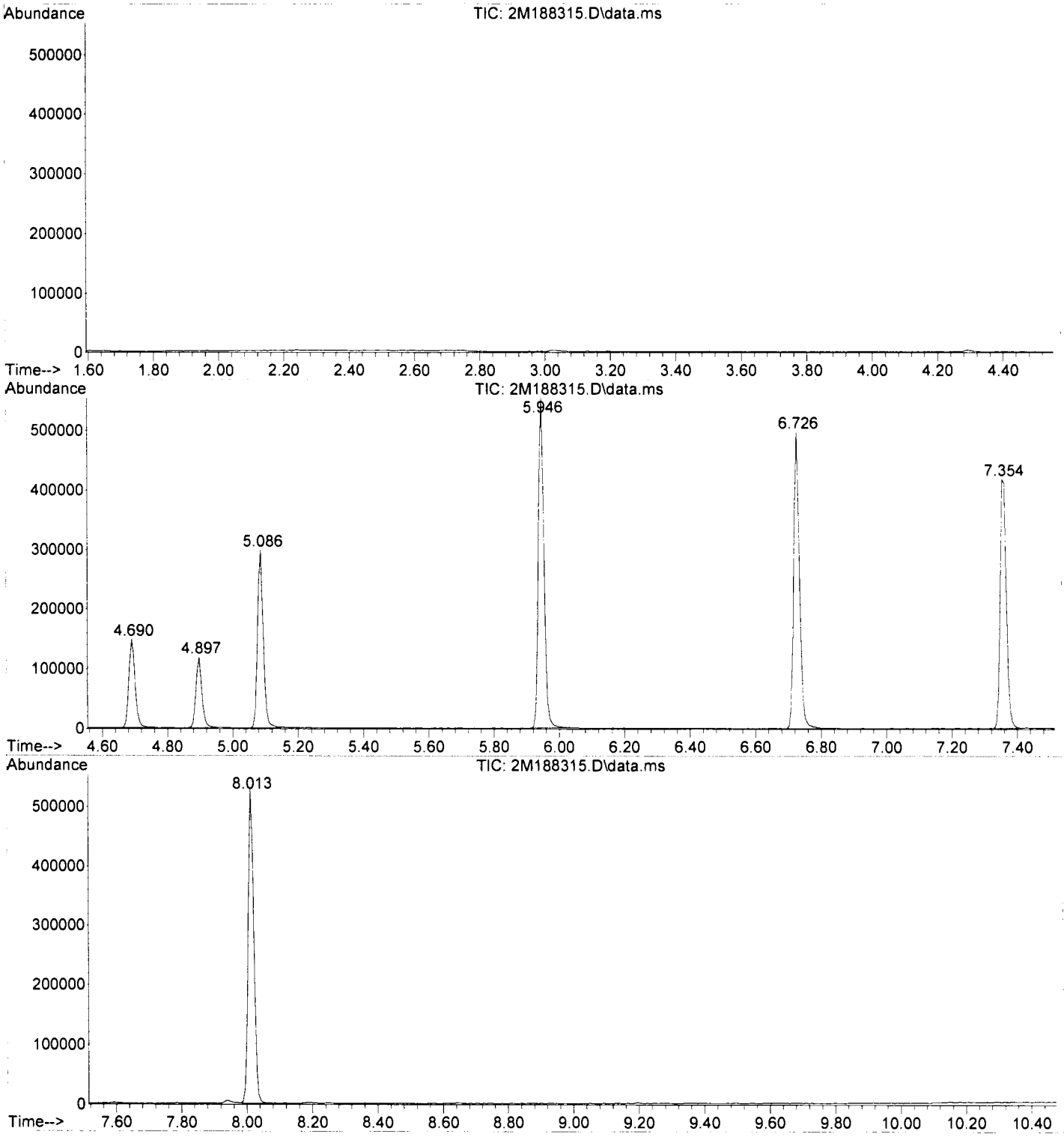
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.690	504	509	523	rVB	147440	197072	29.95%	6.225%
2	4.897	536	543	552	rBV	118069	149868	22.77%	4.734%
3	5.086	569	574	584	rBV	297904	368847	56.05%	11.651%
4	5.946	710	715	731	rBV	552347	658059	100.00%	20.787%
5	6.726	837	843	860	rBV	495885	610793	92.82%	19.294%
6	7.354	941	946	956	rBV	417257	546054	82.98%	17.249%
7	8.013	1049	1054	1068	rVB	528566	634972	96.49%	20.058%

Sum of corrected areas: 3165665

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Data File : 2M188315.D
Acq On : 09 Aug 2023 18:19
Operator : MN
Sample : AD39676-002
Misc : A,5ML!2
ALS Vial : 14 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0807.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Data File : 2M188315.D
Acq On : 09 Aug 2023 18:19
Operator : MN
Sample : AD39676-002
Misc : A,5ML!2
ALS Vial : 14 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0807.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD39676-003
Client Id: FB20230808
Data File: 2M188316.D
Analysis Date: 08/09/23 18:39
Date Rec/Extracted: 08/08/23-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
1330-20-7	Xylenes (Total)	1.0	U				

Worksheet #: 704232

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number:	AD39676-003	Matrix:	Aqueous
Client Id:	FB20230808	Initial Vol:	5ml
Data File:	2M188316.D	Final Vol:	NA
Analysis Date:	08/09/23 18:39	Dilution:	1.00
Date Rec/Extracted:	08/08/23-NA	Solids:	
		Method:	EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 704232

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

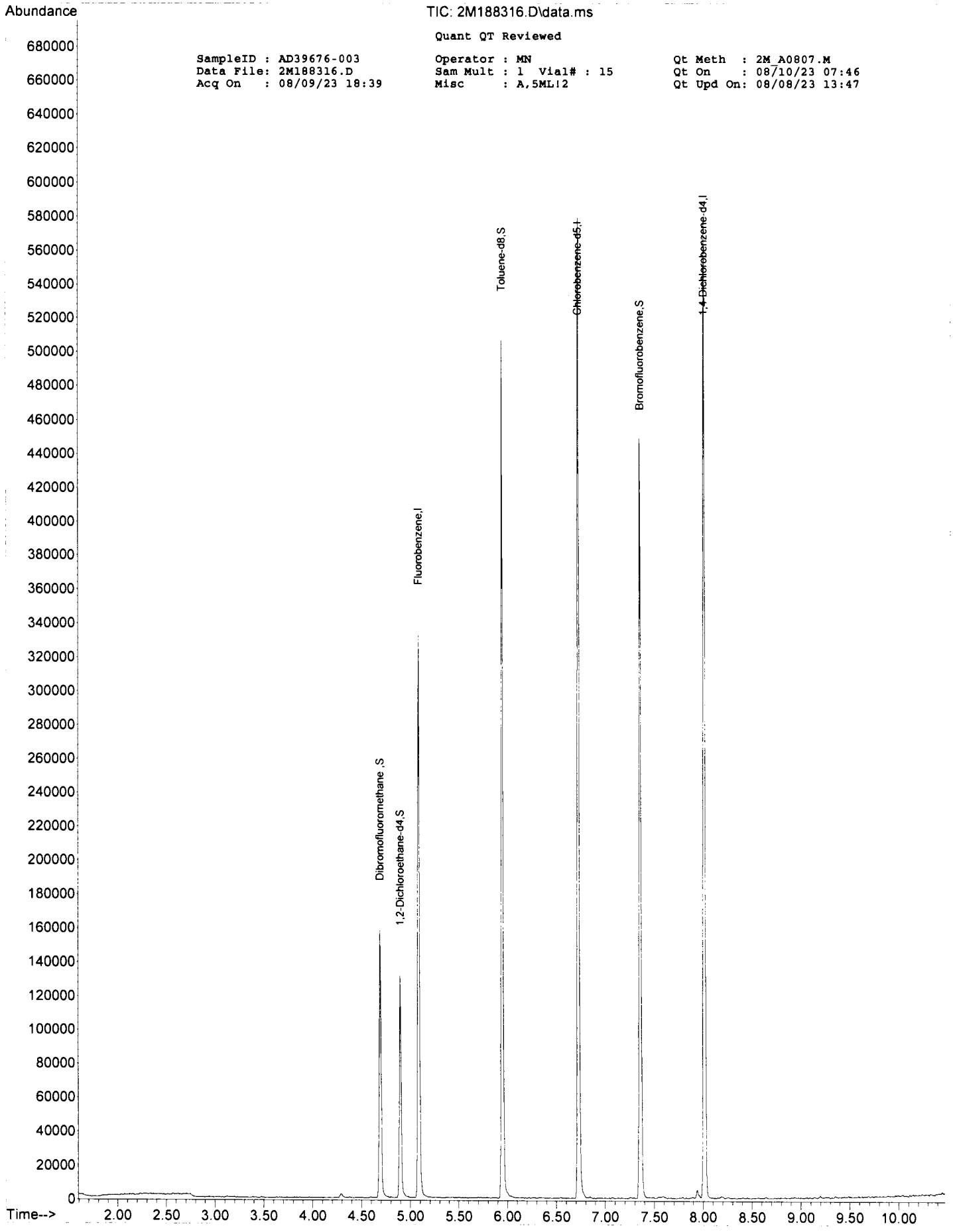
Quantitation Report (QT Reviewed)

SampleID : AD39676-003 Operator : MN Qt Meth : 2M_A0807.M
Data File: 2M188316.D Sam Mult : 1 Vial# : 15 Qt On : 08/10/23 07:46
Acq On : 08/09/23 18:39 Misc : A,5ML!2 Qt Upd On: 08/08/23 13:47

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.086	96	194372	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.726	117	230110	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	116850	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	61076	27.01	ug/l	-0.01
Spiked Amount 30.000			Recovery =	90.03%		
39) 1,2-Dichloroethane-d4	4.897	67	30035	30.81	ug/l	-0.01
Spiked Amount 30.000			Recovery =	102.70%		
66) Toluene-d8	5.946	98	226722	25.97	ug/l	0.00
Spiked Amount 30.000			Recovery =	86.57%		
76) Bromofluorobenzene	7.360	174	103994	29.00	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.67%		
Target Compounds						Qvalue
No Library Search Compounds Found						

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


Abundance
TIC: 2M188316.D\data.ms
Quant QT Reviewed
SampleID : AD39676-003
Data File: 2M188316.D
Acq On : 08/09/23 18:39
Operator : MN
Sam Mult : 1 Vial# : 15
Misc : A,5ML!2
Qt Meth : 2M_A0807.M
Qt On : 08/10/23 07:46
Qt Upd On: 08/08/23 13:47
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Data File : 2M188316.D
Acq On : 09 Aug 2023 18:39
Operator : MN
Sample : AD39676-003
Misc : A,5ML!2
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0807.M
Title : @GCMS_2,ug,624,8260

Signal : TIC: 2M188316.D\data.ms

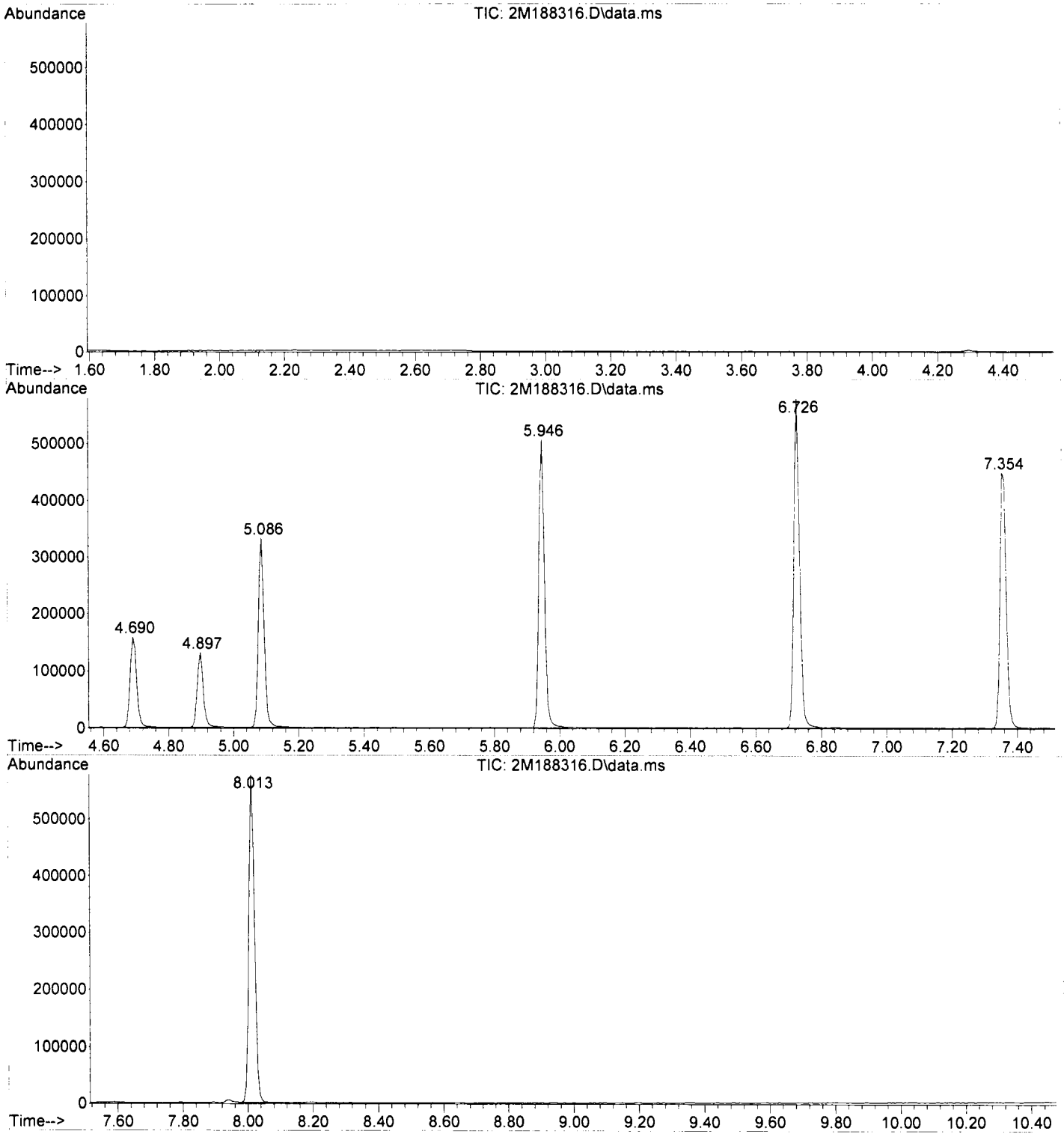
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.690	504	509	521	rBV	157688	219786	31.43%	6.468%
2	4.897	537	543	553	rBV	131076	171468	24.52%	5.046%
3	5.086	568	574	589	rBV	332099	414302	59.24%	12.193%
4	5.946	710	715	728	rBV	505380	606212	86.69%	17.840%
5	6.726	838	843	858	rVB	578039	699313	100.00%	20.580%
6	7.354	941	946	959	rBV	448425	592676	84.75%	17.442%
7	8.013	1049	1054	1065	rVB	576246	694248	99.28%	20.431%

Sum of corrected areas: 3398005

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Data File : 2M188316.D
Acq On : 09 Aug 2023 18:39
Operator : MN
Sample : AD39676-003
Misc : A,5ML!2
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0807.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Data File : 2M188316.D
Acq On : 09 Aug 2023 18:39
Operator : MN
Sample : AD39676-003
Misc : A,5ML!2
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0807.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard				
TIC Top Hit name	RT	EstConc	Units	Response	#	ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

GC/MS Volatile Data
Standards Data

3080829 0081

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_1

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	1M176859.D	CAL @ 20 PPB	08/01/23 21:45	2	1M176857.D	CAL @5 PPB	08/01/23 21:02
3	1M176858.D	CAL @ 10 PPB	08/01/23 21:23	4	1M176860.D	CAL @ 50 PPB	08/01/23 22:06
5	1M176861.D	CAL @ 100 PPB	08/01/23 22:28	6	1M176862.D	CAL @ 250PPB	08/01/23 22:49
7	1M176863.D	CAL @ 500 PPB	08/01/23 23:11	8	1M176856.D	CAL @ 1 PPB	08/01/23 20:41
9	1M176855.D	CAL @ 0.5 PPB	08/01/23 20:19				

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	0.3631	0.3907	0.3786	0.3867	0.4040	0.4106	0.3790	0.3424	-----	0.382	1.69	0.998	1.00	5.7	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluorometha	1	0	Avg	0.1852	0.1854	0.1696	0.1920	0.2066	0.2072	0.1996	0.1701	-----	0.190	1.67	1.00	1.00	7.8	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.2878	0.3233	0.3154	0.2989	0.3147	0.3080	0.2803	0.2768	-----	0.301	1.84	0.998	1.00	5.8	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.1268	0.1593	0.1392	0.1347	0.1411	0.1528	0.1692	0.1780	-----	0.150	2.22	0.997	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Chloride	1	0	Avg	0.2433	0.2635	0.2517	0.2567	0.2726	0.2699	0.2546	0.2360	-----	0.256	1.93	0.999	1.00	4.9	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.1716	0.1800	0.1811	0.1725	0.1815	0.1825	0.1925	0.1694	-----	0.179	2.30	0.999	1.00	4.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethan	1	0	Avg	0.2970	0.2988	0.3030	0.2986	0.3202	0.3209	0.3174	0.2965	-----	0.307	2.52	1.00	1.00	3.6	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.2781	0.3075	0.2971	0.2980	0.3105	0.3227	0.3056	0.2563	-----	0.297	2.75	0.999	1.00	7.0	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.5087	0.5195	0.5700	0.4960	0.5278	0.5324	0.4874	0.4324	-----	0.509	2.79	0.998	1.00	7.9	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	0.1525	0.1677	0.1674	0.1584	0.1662	0.1633	0.1639	0.1724	-----	0.164	2.95	1.00	1.00	3.7	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.2347	0.2701	0.2610	0.2416	0.2459	0.2385	0.2303	0.2644	-----	0.248	3.35	1.00	1.00	6.0	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0553	0.0560	0.0585	0.0609	0.0604	0.0631	0.0638	0.0350	-----	0.0567	2.86	1.00	1.00	16		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.1733	0.1970	0.1874	0.1723	0.1726	0.1829	0.1758	0.1815	-----	0.180	3.56	1.00	1.00	4.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.1966	0.1020	0.2234	0.2104	0.2164	0.2110	0.2004	0.2033	-----	0.195	3.10	0.999	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.1276	0.1455	0.1394	0.1273	0.1294	0.1364	0.1187	0.1404	-----	0.133	2.99	0.995	0.999	6.6	0.10	100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.3764	0.4238	0.4103	0.3835	0.4058	0.4081	0.4011	0.5185	-----	0.416	3.17	1.00	1.00	11	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0407	0.0446	0.0394	0.0405	0.0412	0.0458	0.0437	0.0450	-----	0.0427	3.42	0.999	0.999	5.7		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.2268	0.2467	0.2455	0.2384	0.2588	0.2673	0.2746	0.2287	-----	0.248	3.82	1.00	1.00	7.0		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.9543	1.0159	1.0295	1.0256	1.0657	1.0427	0.6956	0.9415	-----	0.971	4.00	0.951	0.998	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethene	1	0	Avg	0.3574	0.3963	0.3923	0.3726	0.3924	0.3993	0.3959	0.3836	-----	0.386	2.96	1.00	1.00	3.7	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.3455	0.4237	0.4058	0.3295	0.3166	0.3285	0.3112	0.4203	-----	0.360	3.26	0.999	1.00	13	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.6371	0.6889	0.6933	0.6870	0.7117	0.7328	0.6114	0.6399	0.6693	0.675	3.59	0.992	0.999	5.8	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	0.4806	0.5461	0.5404	0.4952	0.5119	0.5073	0.4704	0.4987	-----	0.506	3.96	0.999	1.00	5.2	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	0.1901	0.2069	0.2118	0.1988	0.2054	0.2022	0.1998	0.2168	-----	0.204	3.60	1.00	1.00	4.0	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	0.8126	0.6594	0.7232	0.9248	0.8656	0.9553	0.6247	0.8828	-----	0.806	4.29	0.948	0.995	15	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,2-Dichloroethene	1	0	Avg	0.4050	0.3928	0.3975	0.3946	0.4675	0.4219	0.4081	0.4194	-----	0.413	4.41	0.999	1.00	5.9	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.2479	0.2724	0.2820	0.2630	0.2636	0.2655	0.2512	0.2744	-----	0.265	4.58	0.999	1.00	4.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2,2-Dichloropropane	1	0	Avg	0.2434	0.2665	0.2526	0.2510	0.2607	0.2563	0.2418	0.2687	-----	0.255	4.42	0.999	1.00	3.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.3431	0.3275	0.3275	0.3561	0.3623	0.3968	0.3773	0.3608	-----	0.356	4.45	0.999	1.00	6.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dioxane	1	0	Avg	0.0033	0.0028	0.0026	0.0036	0.0037	0.0038	0.0036	0.0026	-----	0.00330	5.58	1.00	1.00	15		1000.	250.0	500.0	2500.	5000.	12500	25000	50.00	
1,1-Dichloropropene	1	0	Avg	0.2285	0.2000	0.2238	0.2498	0.2748	0.2833	0.2792	0.2080	-----	0.243	4.87	1.00	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.3818	0.4089	0.4177	0.3896	0.4041	0.4072	0.3752	0.4370	-----	0.403	4.63	0.998	1.00	5.0	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethan	1	0	Avg	0.2827	0.2951	0.2909	0.2777	0.2730	0.2717	0.2596	0.3015	0.3077	0.284	4.73	-1	-1	5.5		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.2325	0.2320	0.2312	0.2745	0.3247	0.3455	0.3456	0.2169	-----	0.275	4.81	1.00	1.00	20	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	0.1833	0.1959	0.1926	0.1801	0.1753	0.1756	0.1733	0.1996	0.2019	0.186	4.96	-1	-1	6.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.3886	0.4310	0.4166	0.4157	0.4203	0.4334	0.3814	0.4402	0.5039	0.426	5.00	0.996	1.00	8.3	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	0.1335	0.1293	0.1309	0.1481	0.1514	0.1652	0.1509	0.1552	-----	0.146	4.42	0.998	0.999	8.9	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1-Trichloroethane	1	0	Avg	0.2971	0.3309	0.3274	0.3058	0.3253	0.3278	0.3193	0.3060	-----	0.317	4.77	1.00	1.00	4.0	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.2083	0.1959	0.2107	0.2307	0.2474	0.2498	0.2472	0.1640	-----	0.219	4.88	1.00	1.00	14	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	1.0477	1.1050	1.0887	1.2066	1.2373	1.2240	0.8474	0.9061	-----	1.08	3.98	0.960	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethan	1	0	Avg	0.2866	0.2986	0.3130	0.3076	0.3223	0.3340	0.3135	0.3174	-----	0.312	5.66	0.999	1.00	4.6	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Avg Rsd: 11.5

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.

380829 0082

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_1

Level #	Data File:	Cal Identifier:	Analysis Date/Time	Level #	Data File:	Cal Identifier:	Analysis Date/Time
1	1M176859.D	CAL @ 20 PPB	08/01/23 21:45	2	1M176857.D	CAL @5 PPB	08/01/23 21:02
3	1M176858.D	CAL @ 10 PPB	08/01/23 21:23	4	1M176860.D	CAL @ 50 PPB	08/01/23 22:06
5	1M176861.D	CAL @ 100 PPB	08/01/23 22:28	6	1M176862.D	CAL @ 250PPB	08/01/23 22:49
7	1M176863.D	CAL @ 500 PPB	08/01/23 23:11	8	1M176856.D	CAL @ 1 PPB	08/01/23 20:41
9	1M176855.D	CAL @ 0.5 PPB	08/01/23 20:19				

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	0.1609	0.1581	0.1623	0.1945	0.2283	-----	-----	0.1443	-----	0.175	5.50	0.994	1.00	18	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Dibromomethane	1	0	Avg	0.1293	0.1428	0.1418	0.1391	0.1422	0.1416	0.1348	0.1534	-----	0.141	5.58	0.999	1.00	4.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloropropane	1	0	Avg	0.2425	0.2581	0.2612	0.2667	0.2766	0.2811	0.2703	0.2930	-----	0.269	5.51	1.00	1.00	5.7	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.1566	0.1723	0.1684	0.1708	0.1865	0.1939	0.1866	0.1851	-----	0.178	5.38	1.00	1.00	7.0	0.20 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	0.7685	0.7846	0.8177	0.8249	0.8594	0.7892	0.5039	0.7913	0.7652	0.767	5.00	0.939	0.998	13	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	0.4919	0.4264	0.4754	0.5853	0.6162	0.6475	0.4850	0.3983	-----	0.516	5.05	0.977	0.998	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.7578	0.7196	0.7446	0.8501	0.8617	0.8481	0.5522	0.7371	-----	0.759	5.01	0.944	0.997	13	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.3481	0.2980	0.3122	0.3960	0.3964	0.4197	0.3931	0.3140	-----	0.360	5.54	0.999	1.00	13	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethan	1	0	Avg	0.2356	0.2481	0.2487	0.2541	0.2657	0.2705	0.3082	0.2472	-----	0.260	6.55	0.997	1.00	8.6	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylethe	1	0	Avg	0.3109	0.3311	0.3326	0.3359	0.3373	0.3303	0.3255	0.4076	-----	0.339	5.51	1.00	1.00	8.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropen	1	0	Avg	0.3541	0.3585	0.3768	0.4109	0.4492	0.4625	0.4092	0.3338	-----	0.394	5.91	0.996	0.999	12	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	0.3555	0.3731	0.3736	0.4102	0.4286	0.4447	0.4209	0.3450	-----	0.394	6.21	0.999	1.00	9.4	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Qua	0.2982	0.2383	0.2774	0.3702	0.4014	0.4254	0.4279	0.2175	-----	0.332	6.24	1.00	1.00	25	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	0.2528	0.2798	0.2839	0.2607	0.2663	0.2597	0.2769	0.2780	-----	0.270	6.32	0.999	1.00	4.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.2434	0.2669	0.2537	0.2611	0.2649	0.2709	0.2906	0.2712	-----	0.265	6.63	0.999	1.00	5.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	Avg	0.4324	0.4366	0.4615	0.4649	0.4759	0.4718	0.4311	0.3927	-----	0.446	6.42	0.998	1.00	6.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.3306	0.3084	0.3132	0.3873	0.3977	0.4296	0.3938	0.2547	-----	0.352	5.98	0.998	0.999	17	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Avg	0.2422	0.2313	0.2388	0.2818	0.2898	0.3120	0.3665	0.2016	-----	0.271	6.44	0.995	1.00	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.1552	0.1516	0.1651	0.1632	0.1685	0.1589	0.1681	0.1450	-----	0.160	6.42	0.999	1.00	5.3	0.20 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.3454	1.3189	1.3489	1.3624	1.3147	1.2637	1.2686	1.2793	1.2649	1.31	6.07	-1	-1	3.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.5626	0.5951	0.6203	0.6122	0.6369	0.6112	0.4804	0.5683	-----	0.586	6.11	0.984	0.999	8.5	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	0.1985	0.2092	0.2298	0.2118	0.2153	0.2085	0.2328	0.2040	-----	0.214	6.93	0.998	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	0.5850	0.6231	0.6453	0.6308	0.6549	0.6303	0.4789	0.6303	-----	0.610	6.89	0.978	0.999	9.3	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Qua	1.0737	0.8646	0.9518	1.4284	1.6110	1.2203	0.7989	0.8092	-----	1.09	7.16	0.928	0.998	28	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Qua	1.1462	0.8721	1.0413	1.4027	1.5038	1.2774	0.6810	0.7079	-----	1.08	7.28	0.861	0.998	29	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.3179	0.3296	0.3397	0.3340	0.3476	0.3673	0.3546	0.3565	-----	0.343	7.35	1.00	1.00	4.7	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.4811	0.4982	0.4718	0.5463	0.5783	0.4203	0.4523	0.5053	-----	0.494	6.94	0.995	0.995	10	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	0.7405	0.7745	0.7827	0.7407	0.7252	0.6465	0.6213	0.8590	-----	0.736	7.58	0.999	1.00	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8037	0.7710	0.7858	0.8119	0.7985	0.7609	0.6702	0.7763	0.7765	0.773	7.52	-1	-1	5.4		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.2209	0.9755	1.1990	1.4209	1.4516	1.1882	-----	0.8636	-----	1.19	7.23	0.991	0.999	18	0.30	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
m&p-Xylenes	1	0	Avg	0.7004	0.5905	0.6689	0.7961	0.8101	0.5767	-----	0.5184	0.5216	0.648	7.00	0.974	0.999	18	0.10	40.00	10.00	20.00	100.0	200.0	500.0		2.00	1.00
o-Xylene	1	0	Avg	0.7080	0.5805	0.6841	0.8231	0.8312	0.7395	0.5736	0.5628	-----	0.688	7.23	0.979	1.00	16	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	Avg	0.3416	0.3303	0.3474	0.3839	0.4006	0.4131	0.4261	0.4695	-----	0.389	7.61	1.00	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichlorobenzene	1	0	Avg	0.7416	0.7269	0.7702	0.8035	0.8098	0.7494	0.6391	0.7016	-----	0.743	8.15	0.992	1.00	7.5	0.60	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dichlorobenzene	1	0	Avg	0.7645	0.8039	0.8008	0.8264	0.8246	0.8002	0.6681	0.8736	-----	0.795	8.20	0.991	1.00	7.5	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	Avg	0.6786	0.6847	0.7452	0.7548	0.7764	0.7459	0.6462	0.6648	-----	0.712	8.43	0.994	1.00	6.8	0.40	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	1.3325	1.1798	1.3104	1.6155	1.7623	1.3349	-----	1.0357	-----	1.37	7.43	0.983	0.998	18	0.10	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Cyclohexanone	1	0	Avg	0.0430	0.0475	0.0436	0.0453	0.0517	0.0625	0.0349	0.0375	-----	0.0458	7.50	0.899	0.984	19		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Camphene	1	0	Avg	0.4117	0.3768	0.4045	0.4580	0.5035	0.4666	0.5033	0.3784	-----	0.438	7.60	0.999	1.00	12		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichloropropane	1	0	Avg	0.8938	0.9502	0.9444	0.9484	0.9560	0.8734	0.8079	0.9857	-----	0.920	7.62	0.998	1.00	6.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.2079	1.0953	1.2088	1.2892	1.3425	0.8875	-----	1.1219	-----	1.16	7.72	0.960	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0		1.00	

Avg Rsd: 11.5

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.

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_1

Level #	Data File:	Cal Identifier:	Analysis Date/Time	Level #	Data File:	Cal Identifier:	Analysis Date/Time
1	1M176859.D	CAL @ 20 PPB	08/01/23 21:45	2	1M176857.D	CAL @5 PPB	08/01/23 21:02
3	1M176858.D	CAL @ 10 PPB	08/01/23 21:23	4	1M176860.D	CAL @ 50 PPB	08/01/23 22:06
5	1M176861.D	CAL @ 100 PPB	08/01/23 22:28	6	1M176862.D	CAL @ 250PPB	08/01/23 22:49
7	1M176863.D	CAL @ 500 PPB	08/01/23 23:11	8	1M176856.D	CAL @ 1 PPB	08/01/23 20:41
9	1M176855.D	CAL @ 0.5 PPB	08/01/23 20:19				

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	1.5485	1.3523	1.4340	1.8473	1.9515	1.3919	-----	1.1756	-----	1.53	7.72	0.974	0.998	18		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
4-Chlorotoluene	1	0	Avg	1.1957	1.1076	1.2103	1.2839	1.3228	0.8871	-----	0.9854	-----	1.14	7.78	0.963	0.998	14		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
n-Propylbenzene	1	0	Avg	1.9071	1.7816	1.9319	2.1605	2.2463	1.4254	-----	1.6560	-----	1.87	7.66	0.949	0.998	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Bromobenzene	1	0	Avg	1.3051	1.4092	1.3855	1.3333	1.4465	1.2910	1.0721	1.4830	-----	1.34	7.63	0.989	1.00	9.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzen	1	0	Avg	1.2781	1.0842	1.2234	1.4363	1.4442	1.1912	-----	0.8404	-----	1.21	7.75	0.992	1.00	17		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Butyl methacrylate	1	0	Qua	0.8178	0.7360	0.7859	0.9993	1.0788	1.0206	0.7902	0.4767	-----	0.838	7.76	0.980	0.999	23	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	0.9650	0.8566	0.9555	1.1786	1.3165	1.1650	0.9106	0.7055	-----	1.01	7.94	0.980	1.00	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzen	1	0	Qua	1.2486	0.9829	1.1794	1.4978	1.5832	1.1624	0.7953	0.8943	-----	1.17	7.97	0.939	0.998	24		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	1.2538	1.0316	1.2220	1.5082	1.6597	1.2083	-----	0.9312	-----	1.26	8.07	0.978	0.998	20		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
4-Isopropyltoluene	1	0	Qua	0.9705	0.7547	0.9314	1.2296	1.3465	1.1042	0.7533	0.6904	-----	0.973	8.14	0.947	0.999	25		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	1.2493	1.0365	1.1460	1.4876	1.5875	1.2422	0.9323	1.0046	-----	1.21	8.38	0.967	0.999	19		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Qua	0.5131	0.4446	0.4856	0.6796	0.7749	0.7295	0.6254	0.4421	-----	0.587	8.36	0.993	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylbe	1	0	Qua	0.5580	0.4901	0.5267	0.8578	1.0524	1.0676	0.6328	0.5191	-----	0.713	8.82	0.915	0.993	34		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloro	1	0	Avg	0.1176	0.1173	0.1109	0.1325	0.1372	0.1426	0.1106	0.0906	-----	0.120	8.88	0.983	0.998	14	0.05	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	Qua	0.0500	0.0336	0.0365	0.0672	0.0737	0.0700	0.0631	0.0412	0.0519	0.0542	9.32	0.997	1.00	28		200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.1216	0.1231	0.1211	0.1397	0.1345	0.1111	0.1474	0.1908	-----	0.136	9.46	0.986	0.997	18		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzen	1	0	Avg	0.2817	0.2686	0.2869	0.3369	0.3493	0.3008	0.3689	0.2660	-----	0.307	9.37	0.992	0.998	13	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	0.2456	0.2243	0.2268	0.3135	0.3029	0.2544	0.3320	0.1849	-----	0.261	9.67	0.988	0.997	20		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Qua	0.8539	0.6871	0.7674	1.2198	1.2265	1.0618	0.7895	0.7625	-----	0.921	9.53	0.970	1.00	23		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	

Flags	*Note:* Avg Rsd: 11.5
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.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176859.D Sam Mult : 1 Vial# : 7 Qt On : 08/01/23 22:40
Acq On : 08/01/23 21:45 Misc : A,5ML Qt Upd On: 06/21/23 19:02

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1816068	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	1416464	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	703758	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.733	111	513538	30.51	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.70%			
39) 1,2-Dichloroethane-d4	4.958	67	332932	43.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 143.80%			
66) Toluene-d8	6.068	98	1905708	32.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.83%			
76) Bromofluorobenzene	7.527	174	565628	31.70	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.67%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.688	51	439624	32.3051	ug/l	59
6) Dichlorodifluoromethane	1.676	85	224305	23.4358	ug/l	91
7) Chloromethane	1.846	50	348555	35.4815	ug/l	89
8) Bromomethane	2.225	94	153592	11.6937	ug/l	83
9) Vinyl Chloride	1.930	62	294666	21.7790	ug/l	99
10) Chloroethane	2.306	64	207809	20.3935	ug/l	90
11) Trichlorofluoromethane	2.521	101	359603	13.3988	ug/l	97
12) Ethyl ether	2.753	59	336708	29.7502	ug/l	69
13) Furan	2.795	39	615927m	35.5292	ug/l	
14) 1,1,2-Trichloro-1,2,2-...	2.949	101	184717m	15.1516	ug/l	
15) Methylene Chloride	3.357	84	284253m	20.1736	ug/l	
16) Acrolein	2.865	56	335106	194.3424	ug/l	88
17) Acrylonitrile	3.560	53	209894	46.6698	ug/l	96
18) Iodomethane	3.097	142	238087	12.3706	ug/l	99
19) Acetone	2.991	43	772815	236.9077	ug/l	88
20) Carbon Disulfide	3.168	76	455793	12.9729	ug/l	100
21) t-Butyl Alcohol	3.425	59	246615	177.2402	ug/l	78
22) n-Hexane	3.823	57	274690	31.8790	ug/l	93
23) Di-isopropyl-ether	3.997	45	1155447	42.1097	ug/l	74
24) 1,1-Dichloroethene	2.959	61	432750	23.8514	ug/l	79
25) Methyl Acetate	3.261	43	418336	53.1869	ug/l	100
26) Methyl-t-butyl ether	3.592	73	771400	22.4097	ug/l	73
27) 1,1-Dichloroethane	3.958	63	581922	26.4083	ug/l	90
28) trans-1,2-Dichloroethene	3.595	96	230157	15.1817	ug/l	59
29) Ethyl-t-butyl ether	4.290	59	983931	34.4851	ug/l	84
30) cis-1,2-Dichloroethene	4.415	61	490445m	23.2667	ug/l	
31) Bromochloromethane	4.585	49	300212	35.8725	ug/l	63
32) 2,2-Dichloropropane	4.418	77	294765	15.3363	ug/l	97
33) Ethyl acetate	4.447	43	415413	37.0333	ug/l	100
34) 1,4-Dioxane	5.582	88	202232m	974.3975	ug/l	
35) 1,1-Dichloropropene	4.868	75	276667	14.8517	ug/l	94
36) Chloroform	4.627	83	462363	17.5723	ug/l	96
38) Cyclohexane	4.814	56	281516	21.5902	ug/l	72
40) 1,2-Dichloroethane	5.003	62	470539	24.3822	ug/l	100
41) 2-Butanone	4.415	43	161700	36.1103	ug/l	57
42) 1,1,1-Trichloroethane	4.769	97	359747	14.5956	ug/l	98
43) Carbon Tetrachloride	4.875	117	252305	10.1809	ug/l	93
44) Vinyl Acetate	3.984	43	1268462	39.3964	ug/l	100
45) Bromodichloromethane	5.656	83	347042	17.6121	ug/l	95
46) Methylcyclohexane	5.499	83	194845	12.9221	ug/l	73
47) Dibromomethane	5.579	174	156571	12.6354	ug/l	94
48) 1,2-Dichloropropane	5.511	63	293667	23.3943	ug/l	91
49) Trichloroethene	5.376	130	189675	10.9889	ug/l	93
50) Benzene	5.000	78	930494	16.9227	ug/l	100
51) tert-Amyl methyl ether	5.052	73	595642	17.2344	ug/l	77
53) Iso-propylacetate	5.007	43	715598	36.9110	ug/l	86
54) Methyl methacrylate	5.547	41	328739	37.4295	ug/l	64
55) Dibromochloromethane	6.553	129	222493	15.8188	ug/l	99
56) 2-Chloroethylvinylether	5.511	63	293667	25.6820	ug/l	65
57) cis-1,3-Dichloropropene	5.907	75	334386	17.6286	ug/l	100
58) trans-1,3-Dichloropropene	6.209	75	335705	19.8480	ug/l	96
59) Ethyl methacrylate	6.238	41	281653	22.4542	ug/l	58
60) 1,1,2-Trichloroethane	6.319	97	238721	18.3638	ug/l	90
61) 1,2-Dibromoethane	6.627	107	229857	16.9280	ug/l	90
62) 1,3-Dichloropropane	6.418	76	408331	20.5237	ug/l	95
63) 4-Methyl-2-Pentanone	5.984	43	312205	34.5956	ug/l	90
64) 2-Hexanone	6.441	43	228783	34.0007	ug/l	90
65) Tetrachloroethene	6.415	164	146629	11.9227	ug/l	92
67) Toluene	6.106	92	531308	15.8218	ug/l	87

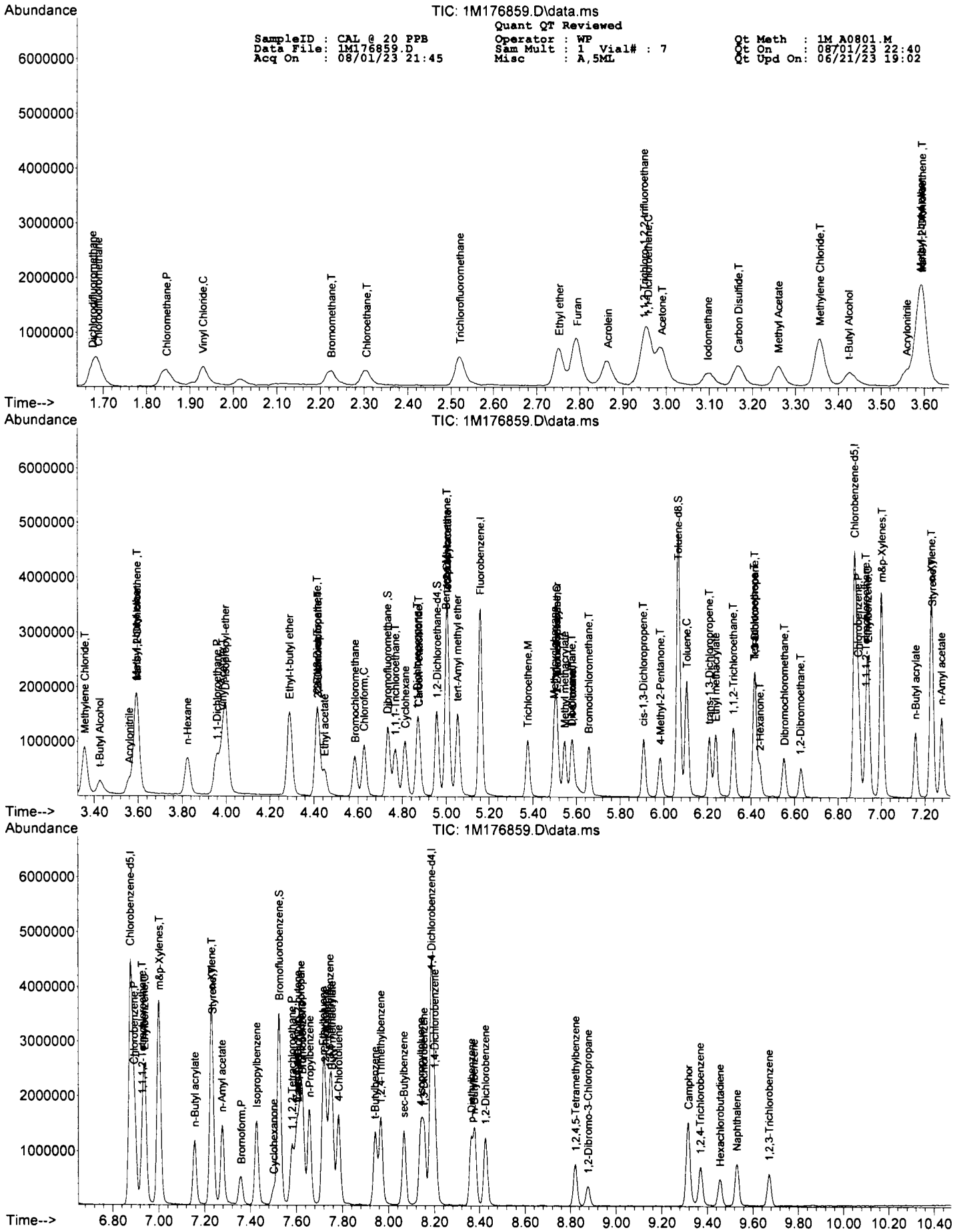
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176859.D Sam Mult : 1 Vial# : 7 Qt On : 08/01/23 22:40
Acq On : 08/01/23 21:45 Misc : A,5ML Qt Upd On: 06/21/23 19:02

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.929	133	187480	14.7341	ug/l	98
69)	Chlorobenzene	6.894	112	552509	14.6615	ug/l	95
71)	n-Butyl acrylate	7.158	55	503772	32.3697	ug/l	86
72)	n-Amyl acetate	7.277	43	537808	42.2454	ug/l	82
73)	Bromoform	7.360	173	149151	16.2350	ug/l	91
74)	Ethylbenzene	6.939	106	225728	14.9871	ug/l	100
75)	1,1,2,2-Tetrachloroethane	7.582	83	347430	24.2681	ug/l	98
77)	Styrene	7.235	104	572848	18.4796	ug/l	94
78)	m&p-Xylenes	7.003	106	657277	32.4898	ug/l	95
79)	o-Xylene	7.232	106	332218	16.9645	ug/l	85
80)	trans-1,4-Dichloro-2-b...	7.608	53	160297	38.4894	ug/l	83
81)	1,3-Dichlorobenzene	8.154	146	347946	16.0001	ug/l	97
82)	1,4-Dichlorobenzene	8.203	146	358688	15.0254	ug/l	99
83)	1,2-Dichlorobenzene	8.428	146	318407	15.3924	ug/l	98
84)	Isopropylbenzene	7.428	105	625195	15.3448	ug/l	96
85)	Cyclohexanone	7.502	55	101069	197.7660	ug/l	90
86)	Camphene	7.605	93	193182	16.8497	ug/l	91
87)	1,2,3-Trichloropropane	7.621	75	419378	24.0251	ug/l	96
88)	2-Chlorotoluene	7.727	91	566714	19.5571	ug/l	88
89)	p-Ethyltoluene	7.717	105	726543	17.5223	ug/l	92
90)	4-Chlorotoluene	7.785	91	560995	19.0515	ug/l	92
91)	n-Propylbenzene	7.659	91	894802	18.2740	ug/l	92
92)	Bromobenzene	7.627	77	612345	21.4443	ug/l	83
93)	1,3,5-Trimethylbenzene	7.746	105	599684	17.5517	ug/l	98
94)	Butyl methacrylate	7.756	41	383693m	45.3562	ug/l	
95)	t-Butylbenzene	7.942	119	452771	14.8799	ug/l	93
96)	1,2,4-Trimethylbenzene	7.968	105	585824	16.3440	ug/l	93
97)	sec-Butylbenzene	8.068	105	588283	15.5706	ug/l	94
98)	4-Isopropyltoluene	8.142	119	455375	14.3540	ug/l	96
99)	n-Butylbenzene	8.376	91	586155	18.5665	ug/l	91
100)	p-Diethylbenzene	8.363	119	240770	14.9023	ug/l	95
101)	1,2,4,5-Tetramethylben...	8.823	119	261801	12.5400	ug/l	97
102)	1,2-Dibromo-3-Chloropr...	8.878	157	55217	18.8829	ug/l	92
103)	Camphor	9.318	95	234668	221.6361	ug/l	95
104)	Hexachlorobutadiene	9.457	225	57057	12.6272	ug/l	97
105)	1,2,4-Trichlorobenzene	9.370	180	132184	13.5066	ug/l	95
106)	1,2,3-Trichlorobenzene	9.672	180	115263	13.3636	ug/l	97
107)	Naphthalene	9.531	128	400634	16.1932	ug/l	97

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


Abundance
TIC: 1M176859.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 1M176859.D
Acq On : 08/01/23 21:45
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 1M_A0801.M
Qt On : 08/01/23 22:40
Qt Upd On: 06/21/23 19:02
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 1M176859.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->

Abundance
TIC: 1M176859.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @5 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176857.D Sam Mult : 1 Vial# : 5 Qt On : 08/01/23 22:48
Acq On : 08/01/23 21:02 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1694288	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	1321082	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	634894	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.733	111	500023	31.84	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.13%			
39) 1,2-Dichloroethane-d4	4.958	67	331949	46.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 153.70%			
66) Toluene-d8	6.068	98	1742496	31.42	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.73%			
76) Bromofluorobenzene	7.527	174	489554	30.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.37%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.682	51	110330	8.6902	ug/l	55
6) Dichlorodifluoromethane	1.672	85	52358	5.8637	ug/l	84
7) Chloromethane	1.840	50	91318	9.9640	ug/l	95
8) Bromomethane	2.222	94	44984	3.6710	ug/l	90
9) Vinyl Chloride	1.930	62	74421	5.8959	ug/l	97
10) Chloroethane	2.306	64	50842	5.3480	ug/l	88
11) Trichlorofluoromethane	2.521	101	84388	3.3703	ug/l	95
12) Ethyl ether	2.750	59	86842	8.2245	ug/l	68
13) Furan	2.788	39	146719	9.0717	ug/l	65
14) 1,1,2-Trichloro-1,2,2-...	2.942	101	47379m	4.1657	ug/l	
15) Methylene Chloride	3.357	84	76274m	5.8023	ug/l	
16) Acrolein	2.859	56	79175	49.2174	ug/l	95
17) Acrylonitrile	3.557	53	55652	13.2636	ug/l	79
18) Iodomethane	3.090	142	28812	1.6046	ug/l	97
19) Acetone	2.984	43	205435	67.5030	ug/l	98
20) Carbon Disulfide	3.164	76	119680	3.6512	ug/l	100
21) t-Butyl Alcohol	3.425	59	62992	48.5258	ug/l	68
22) n-Hexane	3.823	57	69679	8.6678	ug/l	94
23) Di-isopropyl-ether	3.994	45	286885	11.2069	ug/l	68
24) 1,1-Dichloroethene	2.959	61	111923	6.6121	ug/l	72
25) Methyl Acetate	3.261	43	119646	16.3051	ug/l	100
26) Methyl-t-butyl ether	3.589	73	194545	6.0579	ug/l	70
27) 1,1-Dichloroethane	3.952	63	154218	7.5016	ug/l	93
28) trans-1,2-Dichloroethene	3.592	96	58433	4.1314	ug/l	73
29) Ethyl-t-butyl ether	4.290	59	186221	6.9958	ug/l	85
30) cis-1,2-Dichloroethene	4.415	61	110939	5.6412	ug/l	72
31) Bromochloromethane	4.582	49	76946m	9.8552	ug/l	
32) 2,2-Dichloropropane	4.425	77	75278	4.1981	ug/l	96
33) Ethyl acetate	4.450	43	92495	8.8384	ug/l	98
34) 1,4-Dioxane	5.579	88	39567	204.3451	ug/l	79
35) 1,1-Dichloropropene	4.868	75	56477	3.2496	ug/l	91
36) Chloroform	4.627	83	115476	4.7042	ug/l	99
38) Cyclohexane	4.811	56	65533	5.3872	ug/l	69
40) 1,2-Dichloroethane	5.007	62	121728	6.7610	ug/l	98
41) 2-Butanone	4.422	43	36520	8.7417	ug/l	64
42) 1,1,1-Trichloroethane	4.769	97	93455	4.0642	ug/l	91
43) Carbon Tetrachloride	4.878	117	55337	3.3960	ug/l	81
44) Vinyl Acetate	3.987	43	312043	10.3882	ug/l	100
45) Bromodichloromethane	5.656	83	84341	4.5879	ug/l	98
46) Methylcyclohexane	5.499	83	44670	3.1755	ug/l	76
47) Dibromomethane	5.579	174	40332	3.4888	ug/l	77
48) 1,2-Dichloropropane	5.511	63	72907	6.2254	ug/l	94
49) Trichloroethene	5.376	130	48662	3.0219	ug/l	93
50) Benzene	5.003	78	221580	4.3195	ug/l	100
51) tert-Amyl methyl ether	5.052	73	120430	4.2938	ug/l	73
53) Iso-propylacetate	5.010	43	158449	8.7630	ug/l	89
54) Methyl methacrylate	5.547	41	65613	8.0099	ug/l	64
55) Dibromochloromethane	6.553	129	54635	4.1649	ug/l	97
56) 2-Chloroethylvinylether	5.511	63	72907	6.8363	ug/l	66
57) cis-1,3-Dichloropropene	5.907	75	78953	4.4629	ug/l	91
58) trans-1,3-Dichloropropene	6.209	75	82155	5.2080	ug/l	90
59) Ethyl methacrylate	6.238	41	52487	6.4581	ug/l	61
60) 1,1,2-Trichloroethane	6.319	97	61622	5.0826	ug/l	89
61) 1,2-Dibromoethane	6.630	107	58779	4.6414	ug/l	92
62) 1,3-Dichloropropane	6.418	76	96135	5.1809	ug/l	86
63) 4-Methyl-2-Pentanone	5.984	43	67907	8.0681	ug/l	85
64) 2-Hexanone	6.441	43	50927	8.1150	ug/l	90
65) Tetrachloroethene	6.418	164	33392	2.9112	ug/l	99
67) Toluene	6.106	92	131039	4.1839	ug/l	83

Quantitation Report (QT Reviewed)

SampleID : CAL @5 PPB
Data File: 1M176857.D
Acq On : 08/01/23 21:02

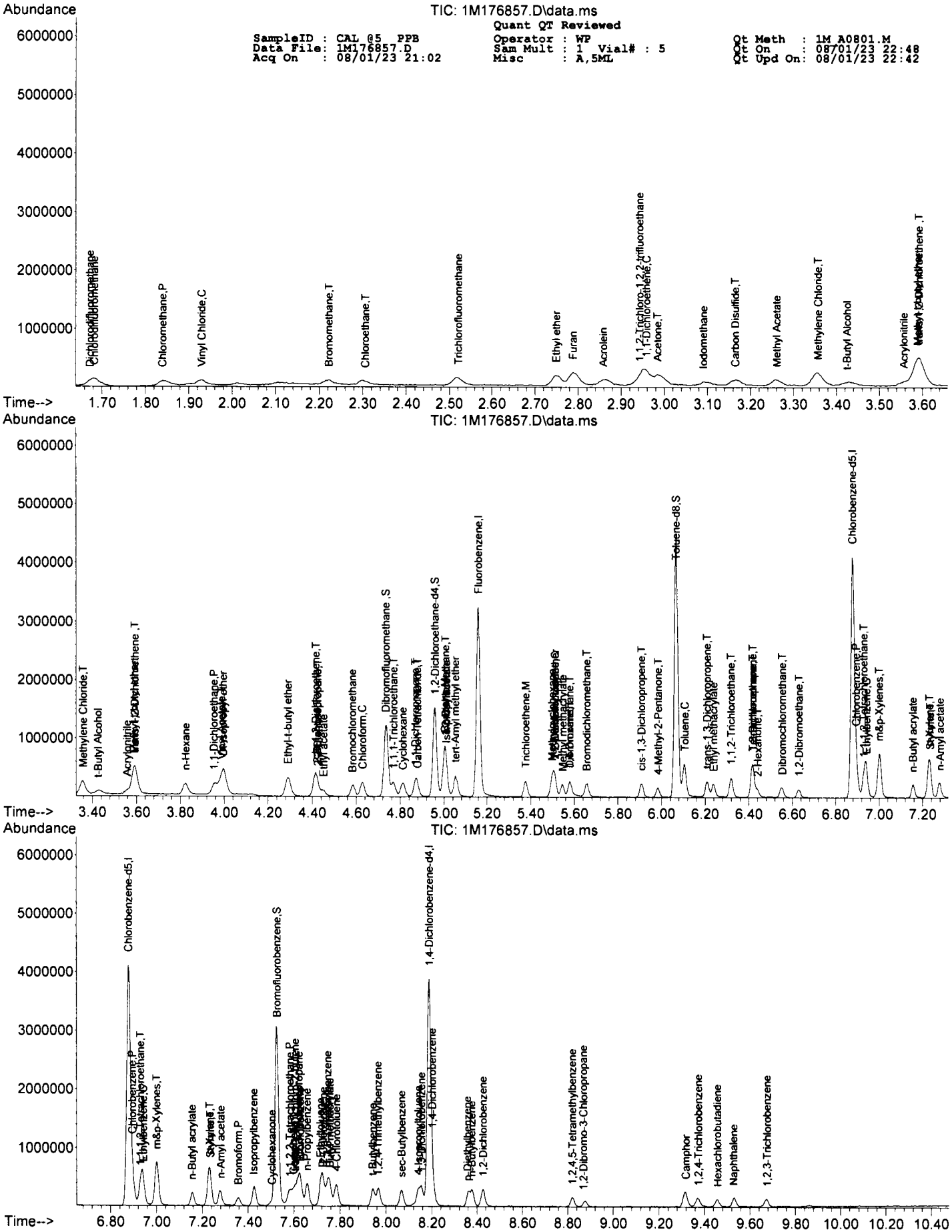
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5ML

Qt Meth : 1M_A0801.M
Qt On : 08/01/23 22:48
Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.929	133	46079	3.8828	ug/l	77
69)	Chlorobenzene	6.894	112	137198	3.9036	ug/l	91
71)	n-Butyl acrylate	7.155	55	91498	6.5169	ug/l	86
72)	n-Amyl acetate	7.280	43	92284	8.0353	ug/l	82
73)	Bromoform	7.357	173	34880	4.2085	ug/l	82
74)	Ethylbenzene	6.942	106	52720	3.8800	ug/l	82
75)	1,1,2,2-Tetrachloroethane	7.582	83	81964	6.3462	ug/l	88
77)	Styrene	7.235	104	103229	3.6913	ug/l	98
78)	m&p-Xylenes	7.000	106	124977	6.8478	ug/l	86
79)	o-Xylene	7.232	106	61432	3.4772	ug/l	94
80)	trans-1,4-Dichloro-2-b...	7.605	53	34960	9.3049	ug/l	84
81)	1,3-Dichlorobenzene	8.154	146	76922	3.9209	ug/l	98
82)	1,4-Dichlorobenzene	8.203	146	85069	3.9500	ug/l	95
83)	1,2-Dichlorobenzene	8.428	146	72452	3.8824	ug/l	95
84)	Isopropylbenzene	7.425	105	124846	3.3966	ug/l	97
85)	Cyclohexanone	7.505	55	25141	54.5303	ug/l	82
86)	Camphene	7.598	93	39881	3.8558	ug/l	96
87)	1,2,3-Trichloropropane	7.621	75	100549	6.3850	ug/l	100
88)	2-Chlorotoluene	7.727	91	115904	4.4337	ug/l	91
89)	p-Ethyltoluene	7.714	105	143099	3.8255	ug/l	96
90)	4-Chlorotoluene	7.785	91	117206	4.4121	ug/l	95
91)	n-Propylbenzene	7.656	91	188526	4.2678	ug/l	92
92)	Bromobenzene	7.627	77	149119m	5.7886	ug/l	
93)	1,3,5-Trimethylbenzene	7.746	105	114730	3.7222	ug/l	94
94)	Butyl methacrylate	7.756	41	77881m	10.2048	ug/l	
95)	t-Butylbenzene	7.942	119	90650	3.3023	ug/l	98
96)	1,2,4-Trimethylbenzene	7.965	105	104011	3.2166	ug/l	90
97)	sec-Butylbenzene	8.068	105	109162	3.2027	ug/l	94
98)	4-Isopropyltoluene	8.142	119	79864	2.7905	ug/l	92
99)	n-Butylbenzene	8.376	91	109681	3.8510	ug/l	90
100)	p-Diethylbenzene	8.357	119	47054	3.2283	ug/l	79
101)	1,2,4,5-Tetramethylben...	8.820	119	51867	2.7538	ug/l	91
102)	1,2-Dibromo-3-Chloropr...	8.868	157	12421	4.7084	ug/l	57
103)	Camphor	9.318	95	35565	37.2333	ug/l	83
104)	Hexachlorobutadiene	9.457	225	13028	3.1959	ug/l	96
105)	1,2,4-Trichlorobenzene	9.373	180	28425	3.2195	ug/l	93
106)	1,2,3-Trichlorobenzene	9.675	180	23734m	3.0502	ug/l	
107)	Naphthalene	9.527	128	72708	3.2575	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @5 PPB
Data File: 1M176857.D
Acq On : 08/01/23 21:02
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 1M_A0801.M
Qt On : 08/01/23 22:48
Qt Upd On: 08/01/23 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
1,1,2-Trichloro-1,2,2-trifluoroethane
1,1-Dichloroethene,C
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 1M176857.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->

Abundance
TIC: 1M176857.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176858.D Sam Mult : 1 Vial# : 6 Qt On : 08/01/23 22:46
Acq On : 08/01/23 21:23 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1709409	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	1342863	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	665759	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.734	111	497328	31.39	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.63%			
39) 1,2-Dichloroethane-d4	4.959	67	329284	45.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 151.10%			
66) Toluene-d8	6.068	98	1811455	32.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.13%			
76) Bromofluorobenzene	7.528	174	523176	30.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.30%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.685	51	215753	16.8435	ug/l	52
6) Dichlorodifluoromethane	1.676	85	96682	10.7318	ug/l	89
7) Chloromethane	1.840	50	179733	19.4377	ug/l	83
8) Bromomethane	2.216	94	79366	6.4195	ug/l	93
9) Vinyl Chloride	1.930	62	143439	11.2632	ug/l	98
10) Chloroethane	2.296	64	103239	10.7636	ug/l	96
11) Trichlorofluoromethane	2.515	101	172677	6.8354	ug/l	92
12) Ethyl ether	2.746	59	169310	15.8930	ug/l	69
13) Furan	2.788	39	324830m	19.9067	ug/l	
14) 1,1,2-Trichloro-1,2,2-...	2.943	101	95408m	8.3142	ug/l	
15) Methylene Chloride	3.351	84	148767m	11.2169	ug/l	
16) Acrolein	2.862	56	166927	102.8485	ug/l	98
17) Acrylonitrile	3.557	53	106818	25.2329	ug/l	93
18) Iodomethane	3.097	142	127308	7.0274	ug/l	98
19) Acetone	2.988	43	397340	129.4053	ug/l	86
20) Carbon Disulfide	3.164	76	233843	7.0710	ug/l	100
21) t-Butyl Alcohol	3.425	59	112514	85.9083	ug/l	56
22) n-Hexane	3.817	57	139936	17.2535	ug/l	92
23) Di-isopropyl-ether	3.994	45	586636	22.7136	ug/l	70
24) 1,1-Dichloroethene	2.955	61	223575	13.0914	ug/l	82
25) Methyl Acetate	3.261	43	231230	31.2327	ug/l	100
26) Methyl-t-butyl ether	3.589	73	395052	12.1926	ug/l	71
27) 1,1-Dichloroethane	3.959	63	307972	14.8482	ug/l	92
28) trans-1,2-Dichloroethene	3.595	96	120691	8.4578	ug/l	67
29) Ethyl-t-butyl ether	4.290	59	412091	15.3443	ug/l	86
30) cis-1,2-Dichloroethene	4.409	61	226507	11.4160	ug/l	82
31) Bromochloromethane	4.586	49	160693	20.3994	ug/l	64
32) 2,2-Dichloropropane	4.422	77	143965	7.9577	ug/l	96
33) Ethyl acetate	4.451	43	186652	17.6779	ug/l	82
34) 1,4-Dioxane	5.582	88	76598	392.0937	ug/l	83
35) 1,1-Dichloropropene	4.872	75	127522	7.2726	ug/l	94
36) Chloroform	4.627	83	238044	9.6114	ug/l	94
38) Cyclohexane	4.811	56	131784	10.7375	ug/l	74
40) 1,2-Dichloroethane	5.004	62	237429	13.0707	ug/l	96
41) 2-Butanone	4.418	43	74633	17.7067	ug/l	46
42) 1,1,1-Trichloroethane	4.769	97	186571	8.0419	ug/l	96
43) Carbon Tetrachloride	4.875	117	120064	7.3031	ug/l	92
44) Vinyl Acetate	3.984	43	620393	20.4707	ug/l	100
45) Bromodichloromethane	5.656	83	178354	9.6161	ug/l	99
46) Methylcyclohexane	5.496	83	92489	6.5166	ug/l	70
47) Dibromomethane	5.576	174	80827	6.9298	ug/l	85
48) 1,2-Dichloropropane	5.508	63	148877	12.5999	ug/l	94
49) Trichloroethene	5.377	130	95970	5.9070	ug/l	86
50) Benzene	5.000	78	465929	9.0025	ug/l	100
51) tert-Amyl methyl ether	5.052	73	270897	9.5730	ug/l	73
53) Iso-propylacetate	5.010	43	333339	18.1362	ug/l	90
54) Methyl methacrylate	5.544	41	139769	16.7860	ug/l	68
55) Dibromochloromethane	6.553	129	111364	8.3517	ug/l	97
56) 2-Chloroethylvinylether	5.508	63	148877	13.7333	ug/l	66
57) cis-1,3-Dichloropropene	5.910	75	168672	9.3796	ug/l	94
58) trans-1,3-Dichloropropene	6.209	75	167238	10.4296	ug/l	94
59) Ethyl methacrylate	6.238	41	124207	15.0348	ug/l	56
60) 1,1,2-Trichloroethane	6.319	97	127107	10.3137	ug/l	91
61) 1,2-Dibromoethane	6.631	107	113560	8.8216	ug/l	97
62) 1,3-Dichloropropane	6.418	76	206584	10.9525	ug/l	99
63) 4-Methyl-2-Pentanone	5.981	43	140234	16.3911	ug/l	91
64) 2-Hexanone	6.438	43	106909	16.7592	ug/l	84
65) Tetrachloroethene	6.418	164	73942	6.3419	ug/l	98
67) Toluene	6.106	92	277690	8.7226	ug/l	89

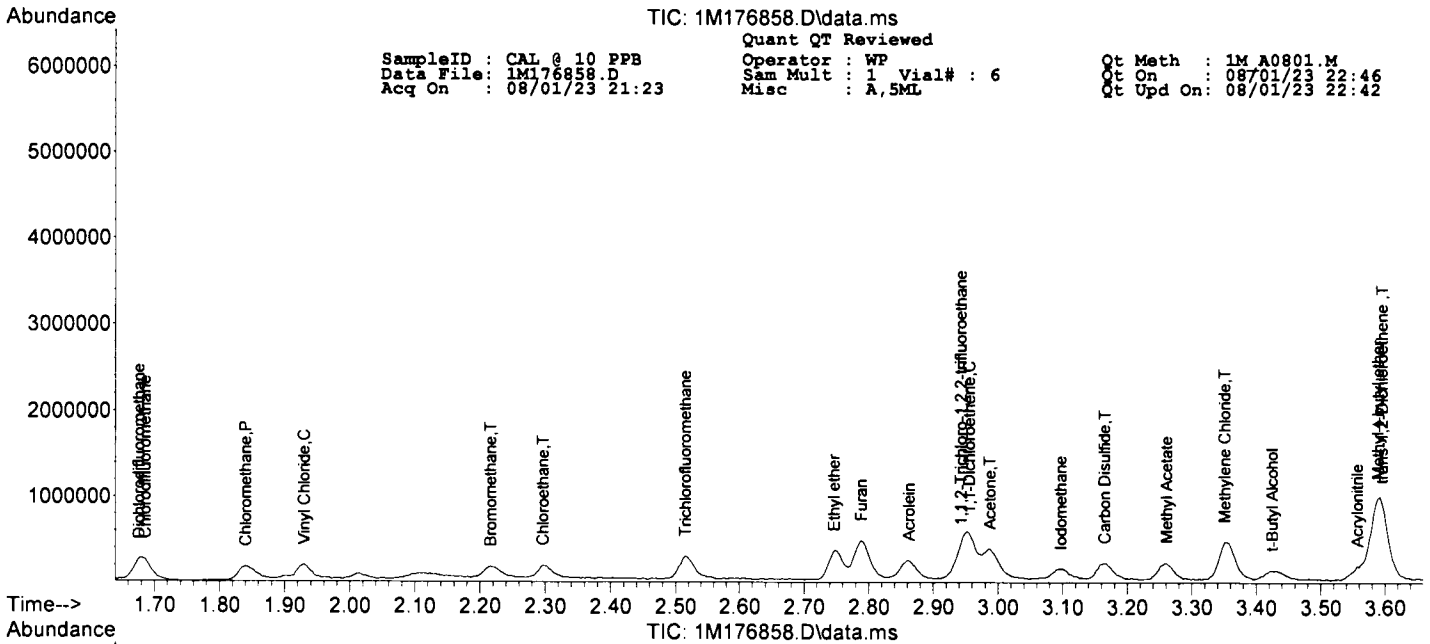
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176858.D Sam Mult : 1 Vial# : 6 Qt On : 08/01/23 22:46
Acq On : 08/01/23 21:23 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.930	133	102882	8.5287	ug/l	89
69)	Chlorobenzene	6.894	112	288881	8.0859	ug/l	97
71)	n-Butyl acrylate	7.158	55	211228	14.3470	ug/l	86
72)	n-Amyl acetate	7.277	43	231105	19.1897	ug/l	78
73)	Bromoform	7.360	173	75407	8.6765	ug/l	93
74)	Ethylbenzene	6.939	106	104720	7.3497	ug/l	93
75)	1,1,2,2-Tetrachloroethane	7.582	83	173714	12.8266	ug/l	97
77)	Styrene	7.232	104	266091	9.0738	ug/l	100
78)	m&p-Xylenes	7.003	106	296893	15.5133	ug/l	88
79)	o-Xylene	7.229	106	151836	8.1960	ug/l	80
80)	trans-1,4-Dichloro-2-b...	7.608	53	77109	19.5717	ug/l	82
81)	1,3-Dichlorobenzene	8.158	146	170938	8.3091	ug/l	99
82)	1,4-Dichlorobenzene	8.203	146	177718	7.8695	ug/l	95
83)	1,2-Dichlorobenzene	8.428	146	165383	8.4512	ug/l	96
84)	Isopropylbenzene	7.428	105	290818	7.5452	ug/l	97
85)	Cyclohexanone	7.502	55	48399	100.1097	ug/l	89
86)	Camphene	7.598	93	89779	8.2776	ug/l	95
87)	1,2,3-Trichloropropane	7.618	75	209582	12.6917	ug/l	95
88)	2-Chlorotoluene	7.724	91	268271	9.7864	ug/l	84
89)	p-Ethyltoluene	7.717	105	318251	8.1135	ug/l	96
90)	4-Chlorotoluene	7.785	91	268600	9.6423	ug/l	92
91)	n-Propylbenzene	7.656	91	428730	9.2554	ug/l	92
92)	Bromobenzene	7.627	77	307485	11.3827	ug/l	83
93)	1,3,5-Trimethylbenzene	7.746	105	271503	8.4000	ug/l	99
94)	Butyl methacrylate	7.756	41	174417m	21.7945	ug/l	
95)	t-Butylbenzene	7.942	119	212055	7.3667	ug/l	94
96)	1,2,4-Trimethylbenzene	7.968	105	261741	7.7191	ug/l	94
97)	sec-Butylbenzene	8.068	105	271200	7.5878	ug/l	95
98)	4-Isopropyltoluene	8.139	119	206714	6.8878	ug/l	95
99)	n-Butylbenzene	8.380	91	254331	8.5158	ug/l	93
100)	p-Diethylbenzene	8.364	119	107764	7.0507	ug/l	91
101)	1,2,4,5-Tetramethylben...	8.823	119	116890	5.9185	ug/l	93
102)	1,2-Dibromo-3-Chloropr...	8.878	157	24625	8.9018	ug/l	81
103)	Camphor	9.315	95	81101	80.9691	ug/l	87
104)	Hexachlorobutadiene	9.457	225	26888	6.2902	ug/l	92
105)	1,2,4-Trichlorobenzene	9.370	180	63680	6.8782	ug/l	97
106)	1,2,3-Trichlorobenzene	9.675	180	50333	6.1687	ug/l	96
107)	Naphthalene	9.534	128	170304	7.2764	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed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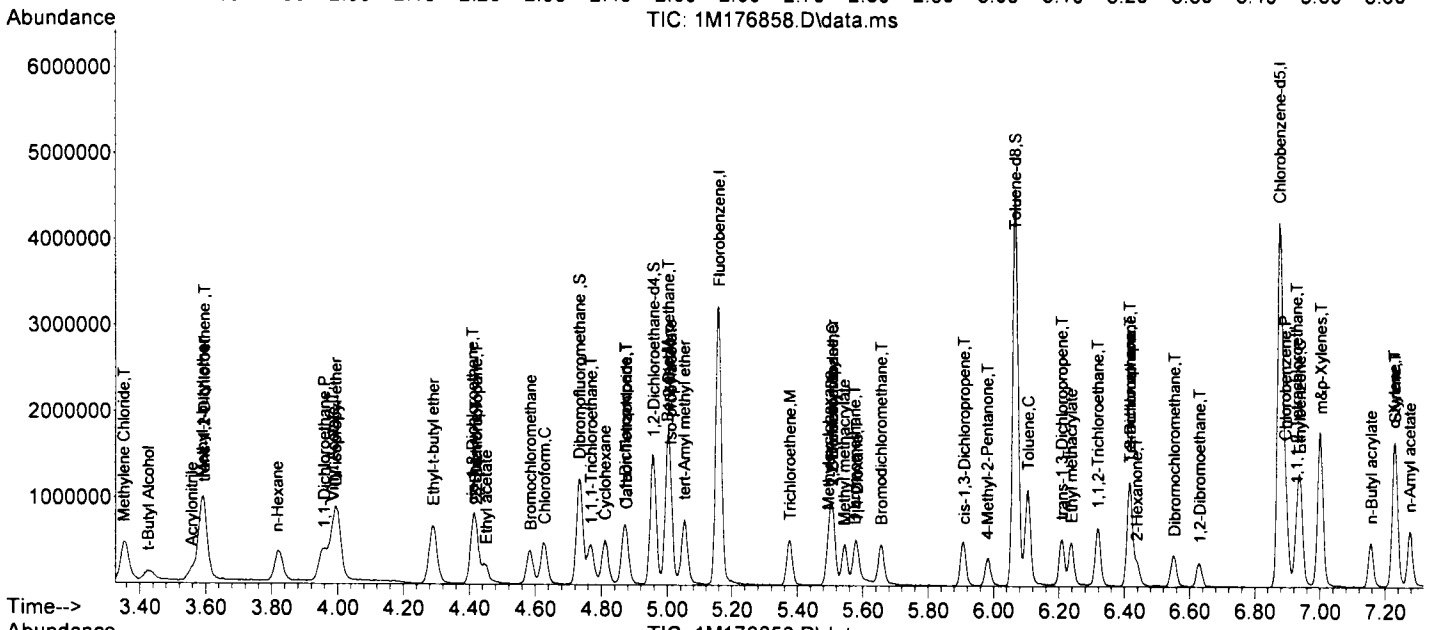
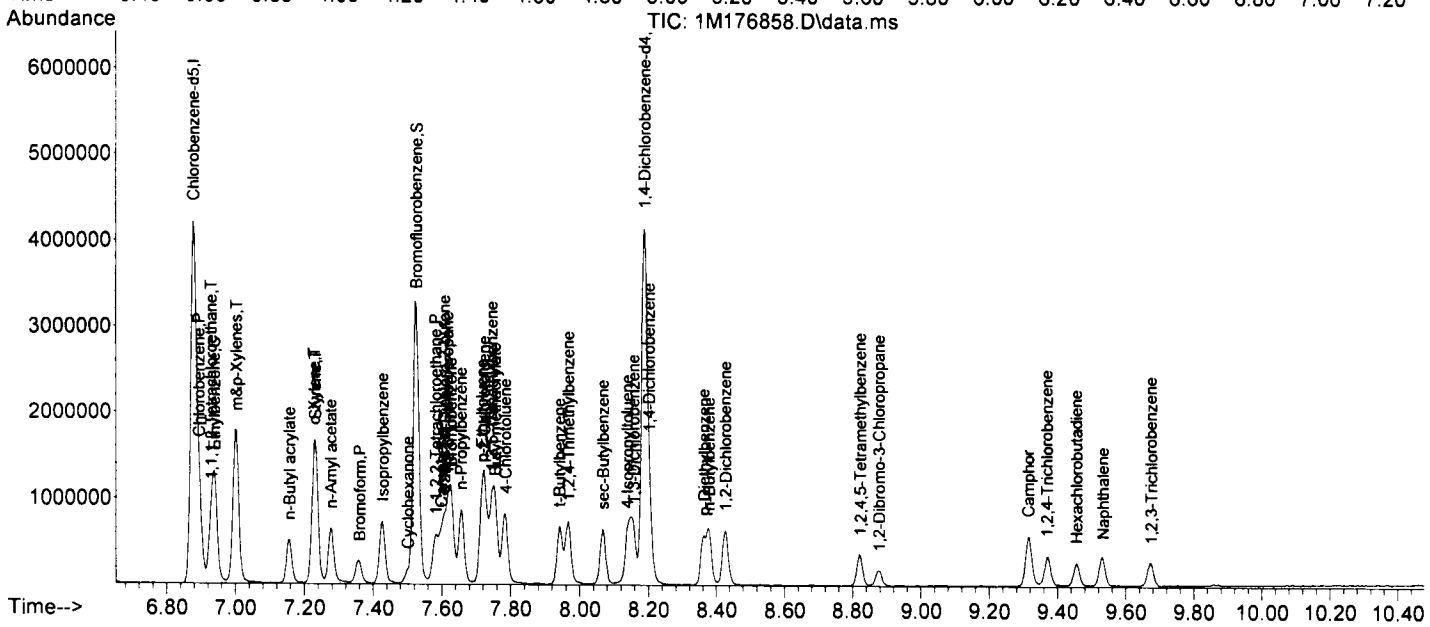
SampleID : CAL @ 10 PPB
Data File: 1M176858.D
Acq On : 08/01/23 21:23
Operator : WP
Sam Mult : 1 Vial# : 6
Misc : A,5ML
Qt Meth : 1M A0801.M
Qt On : 08/01/23 22:46
Qt Upd On: 08/01/23 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 1M176858.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->


Abundance
TIC: 1M176858.D\data.ms
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,S
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176860.D Sam Mult : 1 Vial# : 8 Qt On : 08/01/23 22:43
Acq On : 08/01/23 22:06 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1816119	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	1442104	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	724507	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.733	111	504447	29.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.90%			
39) 1,2-Dichloroethane-d4	4.958	67	327096	42.38	ug/l	0.00
Spiked Amount 30.000			Recovery = 141.27%			
66) Toluene-d8	6.068	98	1964735	32.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.20%			
76) Bromofluorobenzene	7.527	174	588227	32.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.73%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.685	51	1170479	86.0085	ug/l	58
6) Dichlorodifluoromethane	1.672	85	581310	60.7346	ug/l	94
7) Chloromethane	1.840	50	904888	92.1113	ug/l	93
8) Bromomethane	2.222	94	407981	31.0607	ug/l	96
9) Vinyl Chloride	1.930	62	777139	57.4374	ug/l	98
10) Chloroethane	2.303	64	522247	51.2496	ug/l	97
11) Trichlorofluoromethane	2.521	101	904007	33.6824	ug/l	98
12) Ethyl ether	2.750	59	902053	79.6997	ug/l	71
13) Furan	2.791	39	1501436	86.6066	ug/l	65
14) 1,1,2-Trichloro-1,2,2-...	2.949	101	479508m	39.3311	ug/l	
15) Methylene Chloride	3.357	84	731417m	51.9076	ug/l	
16) Acrolein	2.859	56	922703	535.1002	ug/l	93
17) Acrylonitrile	3.553	53	521657	115.9869	ug/l	92
18) Iodomethane	3.100	142	636949	33.0939	ug/l	98
19) Acetone	2.984	43	1927494	590.8599	ug/l	91
20) Carbon Disulfide	3.168	76	1160793	33.0380	ug/l	100
21) t-Butyl Alcohol	3.425	59	613287	440.7519	ug/l	69
22) n-Hexane	3.827	57	721867	83.7734	ug/l	94
23) Di-isopropyl-ether	3.994	45	3104384	113.1345	ug/l	70
24) 1,1-Dichloroethene	2.959	61	1127992	62.1686	ug/l	81
25) Methyl Acetate	3.258	43	997617	126.8327	ug/l	100
26) Methyl-t-butyl ether	3.592	73	2079548	60.4107	ug/l	75
27) 1,1-Dichloroethane	3.958	63	1499085	68.0282	ug/l	94
28) trans-1,2-Dichloroethene	3.592	96	601938	39.7042	ug/l	64
29) Ethyl-t-butyl ether	4.290	59	2799400	98.1114	ug/l	84
30) cis-1,2-Dichloroethene	4.415	61	1194488	56.6649	ug/l	83
31) Bromochloromethane	4.585	49	796224	95.1387	ug/l	63
32) 2,2-Dichloropropane	4.418	77	759747	39.5276	ug/l	96
33) Ethyl acetate	4.447	43	1078019	96.1006	ug/l	98
34) 1,4-Dioxane	5.582	88	546105	2631.1780	ug/l	77
35) 1,1-Dichloropropene	4.868	75	756398	40.6028	ug/l	93
36) Chloroform	4.627	83	1179280	44.8177	ug/l	100
38) Cyclohexane	4.814	56	830896	63.7219	ug/l	73
40) 1,2-Dichloroethane	5.003	62	1258486	65.2100	ug/l	94
41) 2-Butanone	4.415	43	448562	100.1686	ug/l	57
42) 1,1,1-Trichloroethane	4.769	97	925680	37.5556	ug/l	98
43) Carbon Tetrachloride	4.875	117	698358	39.9830	ug/l	96
44) Vinyl Acetate	3.984	43	3652383	113.4340	ug/l	100
45) Bromodichloromethane	5.656	83	931281	47.2605	ug/l	97
46) Methylcyclohexane	5.499	83	588908	39.0553	ug/l	76
47) Dibromomethane	5.579	174	421281	33.9966	ug/l	90
48) 1,2-Dichloropropane	5.511	63	807534	64.3285	ug/l	95
49) Trichloroethene	5.376	130	517176	29.9620	ug/l	91
50) Benzene	5.003	78	2497128	45.4134	ug/l	100
51) tert-Amyl methyl ether	5.055	73	1771878	58.9358	ug/l	84
53) Iso-propylacetate	5.007	43	2043351	103.5235	ug/l	87
54) Methyl methacrylate	5.547	41	951798	106.4428	ug/l	63
55) Dibromochloromethane	6.550	129	610958	42.6655	ug/l	97
56) 2-Chloroethylvinylether	5.511	63	807534	69.3656	ug/l	67
57) cis-1,3-Dichloropropene	5.907	75	987825	51.1515	ug/l	99
58) trans-1,3-Dichloropropene	6.209	75	986062	57.2626	ug/l	95
59) Ethyl methacrylate	6.238	41	889841	100.2998	ug/l	59
60) 1,1,2-Trichloroethane	6.319	97	626652	47.3485	ug/l	90
61) 1,2-Dibromoethane	6.630	107	627629	45.4005	ug/l	95
62) 1,3-Dichloropropane	6.418	76	1117601	55.1747	ug/l	98
63) 4-Methyl-2-Pentanone	5.984	43	930937	101.3236	ug/l	92
64) 2-Hexanone	6.441	43	677432	98.8869	ug/l	94
65) Tetrachloroethene	6.418	164	392341	31.3349	ug/l	95
67) Toluene	6.106	92	1471624	43.0443	ug/l	89

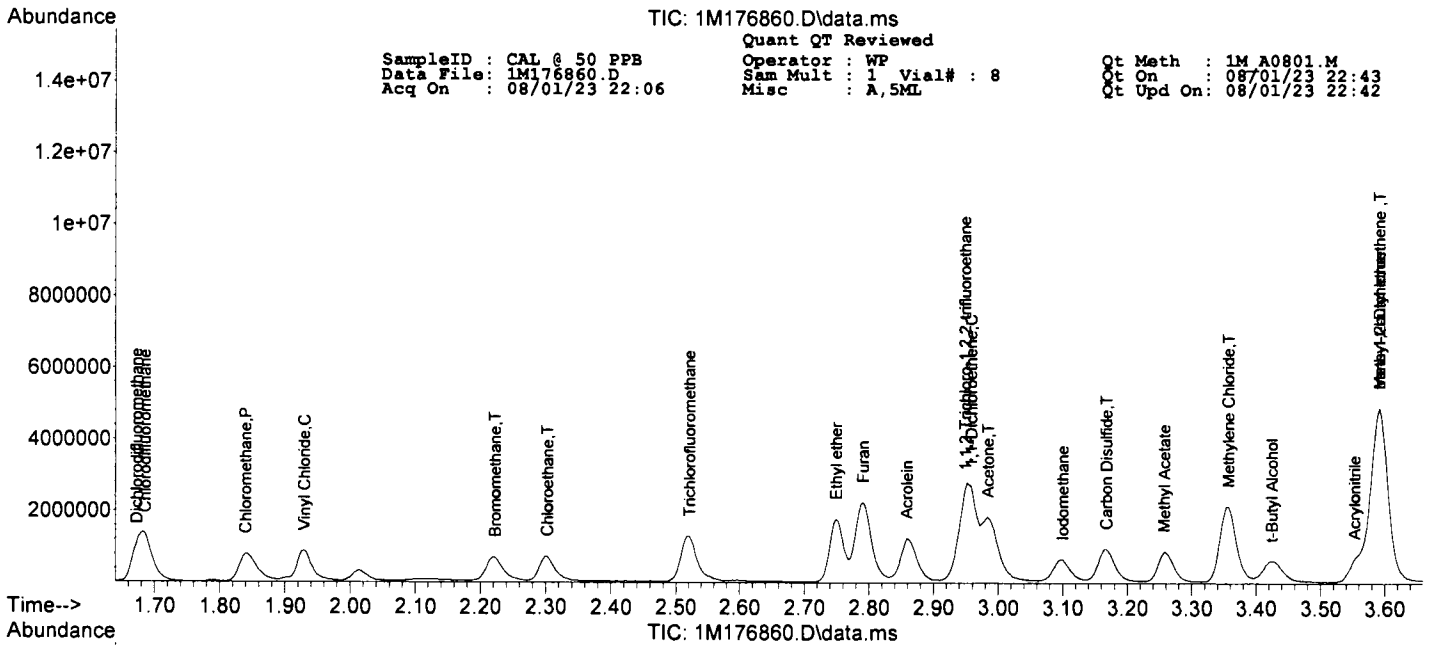
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176860.D Sam Mult : 1 Vial# : 8 Qt On : 08/01/23 22:43
Acq On : 08/01/23 22:06 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.929	133	509184	39.3054	ug/l	100
69)	Chlorobenzene	6.894	112	1516209	39.5190	ug/l	96
71)	n-Butyl acrylate	7.158	55	1724895	107.6584	ug/l	86
72)	n-Amyl acetate	7.277	43	1693888	129.2461	ug/l	82
73)	Bromoform	7.357	173	403411	42.6536	ug/l	100
74)	Ethylbenzene	6.942	106	659712	42.5470	ug/l	93
75)	1,1,2,2-Tetrachloroethane	7.582	83	894439	60.6876	ug/l	98
77)	Styrene	7.232	104	1715852	53.7667	ug/l	89
78)	m&p-Xylenes	7.003	106	1922613	92.3148	ug/l	95
79)	o-Xylene	7.228	106	993949	49.3019	ug/l	88
80)	trans-1,4-Dichloro-2-b...	7.608	53	463584	108.1248	ug/l	85
81)	1,3-Dichlorobenzene	8.154	146	970307	43.3412	ug/l	97
82)	1,4-Dichlorobenzene	8.203	146	997892	40.6043	ug/l	97
83)	1,2-Dichlorobenzene	8.428	146	911514	42.8023	ug/l	98
84)	Isopropylbenzene	7.428	105	1950763	46.5084	ug/l	97
85)	Cyclohexanone	7.502	55	273884	520.5722	ug/l	88
86)	Camphene	7.601	93	553063	46.8576	ug/l	95
87)	1,2,3-Trichloropropane	7.621	75	1145288	63.7317	ug/l	96
88)	2-Chlorotoluene	7.724	91	1556776	52.1853	ug/l	91
89)	p-Ethyltoluene	7.717	105	2230649	52.2568	ug/l	91
90)	4-Chlorotoluene	7.785	91	1550370	51.1430	ug/l	94
91)	n-Propylbenzene	7.659	91	2608868	51.7535	ug/l	92
92)	Bromobenzene	7.627	77	1609989	54.7670	ug/l	84
93)	1,3,5-Trimethylbenzene	7.746	105	1734434	49.3101	ug/l	96
94)	Butyl methacrylate	7.756	41	1206767m	138.5660	ug/l	
95)	t-Butylbenzene	7.945	119	1423250	45.4342	ug/l	94
96)	1,2,4-Trimethylbenzene	7.968	105	1808619	49.0138	ug/l	94
97)	sec-Butylbenzene	8.068	105	1821214	46.8232	ug/l	94
98)	4-Isopropyltoluene	8.142	119	1484849	45.4639	ug/l	96
99)	n-Butylbenzene	8.380	91	1796334	55.2696	ug/l	94
100)	p-Diethylbenzene	8.360	119	820701	49.3421	ug/l	97
101)	1,2,4,5-Tetramethylben...	8.823	119	1035811	48.1932	ug/l	93
102)	1,2-Dibromo-3-Chloropr...	8.878	157	159996	53.1479	ug/l	92
103)	Camphor	9.315	95	811414	744.4059	ug/l	93
104)	Hexachlorobutadiene	9.457	225	168701	36.2658	ug/l	98
105)	1,2,4-Trichlorobenzene	9.370	180	406892	40.3857	ug/l	96
106)	1,2,3-Trichlorobenzene	9.672	180	378622	42.6403	ug/l	98
107)	Naphthalene	9.531	128	1472968	57.8307	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed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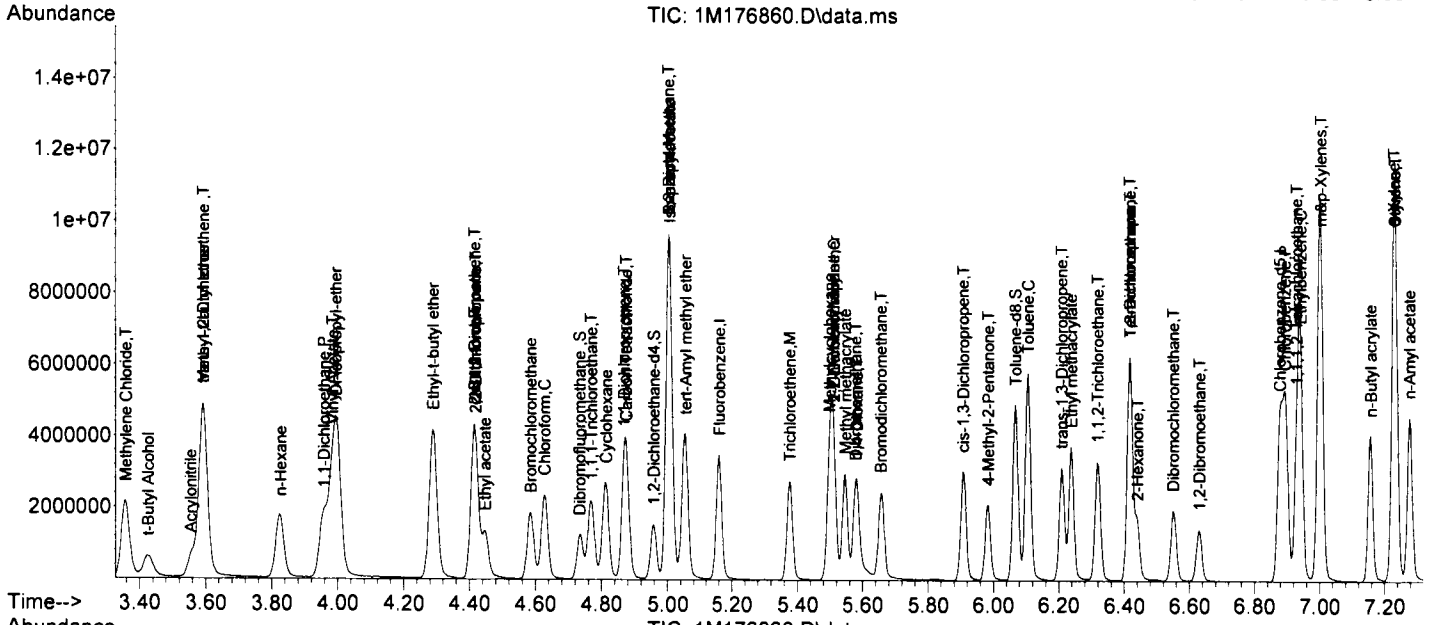
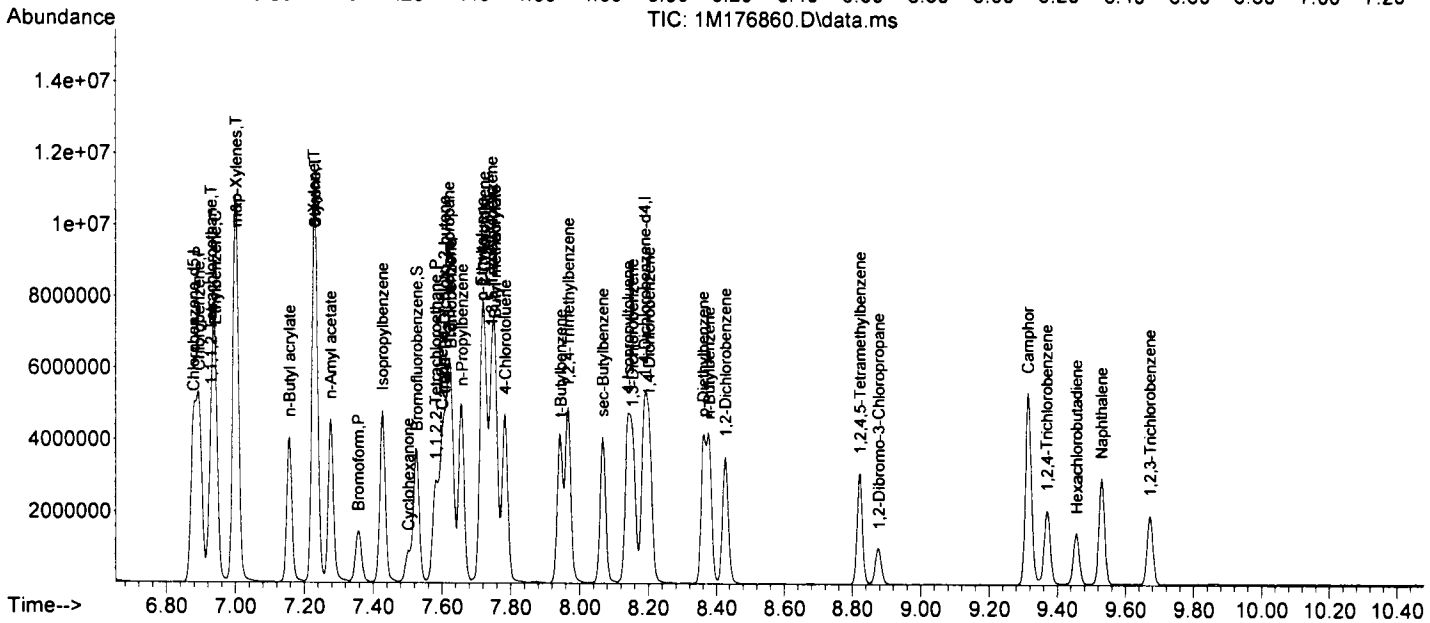
Data File: 1M176860.D
Acq On : 08/01/23 22:06
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 1M A0801.M
Qt On : 08/01/23 22:43
Qt Upd On: 08/01/23 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 1M176860.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->


Abundance
TIC: 1M176860.D\data.ms
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176861.D Sam Mult : 1 Vial# : 9 Qt On : 08/01/23 22:42
Acq On : 08/01/23 22:28 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.158	96	1867738	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	1531281	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	779205	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.737	111	510039	29.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.20%			
39) 1,2-Dichloroethane-d4	4.955	67	327459	41.26	ug/l	0.00
Spiked Amount 30.000			Recovery = 137.53%			
66) Toluene-d8	6.068	98	2013313	31.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.40%			
76) Bromofluorobenzene	7.524	174	622243	31.50	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.00%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.685	51	2515717	179.7496	ug/l	59
6) Dichlorodifluoromethane	1.669	85	1286452	130.6924	ug/l	97
7) Chloromethane	1.840	50	1959293	193.9304	ug/l	92
8) Bromomethane	2.216	94	878500	65.0341	ug/l	96
9) Vinyl Chloride	1.930	62	1697661	122.0043	ug/l	99
10) Chloroethane	2.300	64	1130304	107.8545	ug/l	96
11) Trichlorofluoromethane	2.518	101	1993949	72.2394	ug/l	93
12) Ethyl ether	2.746	59	1933498	166.1104	ug/l	70
13) Furan	2.788	39	3286430	184.3303	ug/l	64
14) 1,1,2-Trichloro-1,2,2-...	2.943	101	1035107m	82.5569	ug/l	
15) Methylene Chloride	3.351	84	1531206m	105.6643	ug/l	
16) Acrolein	2.859	56	1880814	1060.5896	ug/l	94
17) Acrylonitrile	3.557	53	1074910	232.3936	ug/l	87
18) Iodomethane	3.097	142	1347296	68.0668	ug/l	97
19) Acetone	2.988	43	4028361	1200.7379	ug/l	88
20) Carbon Disulfide	3.164	76	2526760	69.9280	ug/l	100
21) t-Butyl Alcohol	3.425	59	1285241	898.1386	ug/l	72
22) n-Hexane	3.820	57	1611793	181.8807	ug/l	95
23) Di-isopropyl-ether	3.997	45	6635359	235.1324	ug/l	72
24) 1,1-Dichloroethene	2.955	61	2442979	130.9221	ug/l	81
25) Methyl Acetate	3.258	43	1971102	243.6716	ug/l	100
26) Methyl-t-butyl ether	3.589	73	4431182	125.1679	ug/l	76
27) 1,1-Dichloroethane	3.952	63	3187303	140.6419	ug/l	92
28) trans-1,2-Dichloroethene	3.592	96	1278995	82.0318	ug/l	63
29) Ethyl-t-butyl ether	4.287	59	5389208	183.6571	ug/l	86
30) cis-1,2-Dichloroethene	4.412	61	2910650	134.2612	ug/l	81
31) Bromochloromethane	4.582	49	1641433	190.7099	ug/l	60
32) 2,2-Dichloropropane	4.418	77	1623404	82.1271	ug/l	96
33) Ethyl acetate	4.447	43	2256090	195.5621	ug/l	97
34) 1,4-Dioxane	5.582	88	1158919	5429.4458	ug/l	75
35) 1,1-Dichloropropene	4.869	75	1710920	89.3025	ug/l	96
36) Chloroform	4.627	83	2516126	92.9808	ug/l	98
38) Cyclohexane	4.811	56	2021556	150.7496	ug/l	71
40) 1,2-Dichloroethane	5.004	62	2617270	131.8690	ug/l	95
41) 2-Butanone	4.415	43	942757	204.7092	ug/l	48
42) 1,1,1-Trichloroethane	4.766	97	2025245	79.8951	ug/l	98
43) Carbon Tetrachloride	4.875	117	1540730	85.7733	ug/l	97
44) Vinyl Acetate	3.981	43	7703421	232.6370	ug/l	100
45) Bromodichloromethane	5.656	83	2006792	99.0258	ug/l	97
46) Methylcyclohexane	5.499	83	1421586	91.6714	ug/l	78
47) Dibromomethane	5.579	174	885299	69.4676	ug/l	89
48) 1,2-Dichloropropane	5.508	63	1722144	133.3953	ug/l	96
49) Trichloroethene	5.377	130	1161554	65.4335	ug/l	89
50) Benzene	5.000	78	5350828	94.6220	ug/l	100
51) tert-Amyl methyl ether	5.052	73	3836529	124.0829	ug/l	85
53) Iso-propylacetate	5.007	43	4398682	209.8748	ug/l	88
54) Methyl methacrylate	5.544	41	2023596	213.1262	ug/l	64
55) Dibromochloromethane	6.550	129	1356225	89.1946	ug/l	99
56) 2-Chloroethylvinylether	5.508	63	1722144	139.3139	ug/l	67
57) cis-1,3-Dichloropropene	5.907	75	2293222	111.8319	ug/l	100
58) trans-1,3-Dichloropropene	6.209	75	2187798	119.6509	ug/l	98
59) Ethyl methacrylate	6.238	41	2048931	217.4987	ug/l	59
60) 1,1,2-Trichloroethane	6.319	97	1359562	96.7432	ug/l	92
61) 1,2-Dibromoethane	6.631	107	1352169	92.1149	ug/l	97
62) 1,3-Dichloropropane	6.418	76	2429118	112.9389	ug/l	100
63) 4-Methyl-2-Pentanone	5.981	43	2030434	208.1234	ug/l	96
64) 2-Hexanone	6.438	43	1479467	203.3855	ug/l	96
65) Tetrachloroethene	6.418	164	860176	64.6984	ug/l	97
67) Toluene	6.106	92	3251096	89.5550	ug/l	90

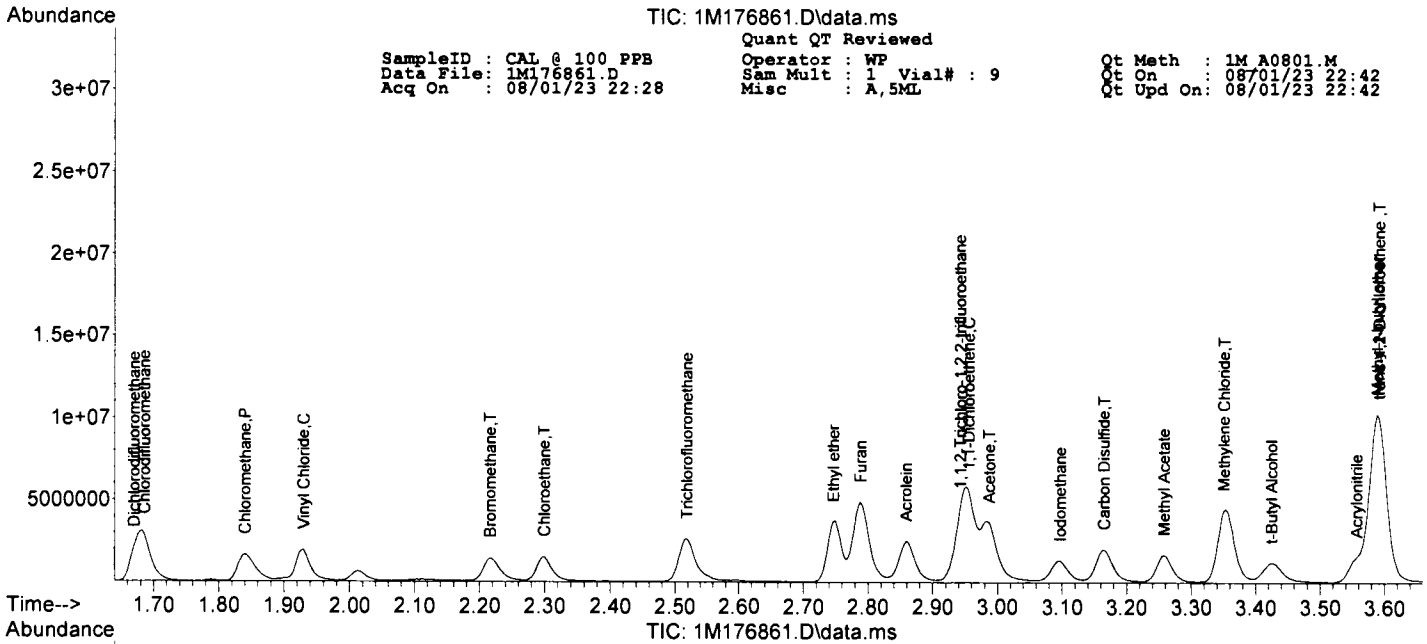
Quantitation Report (QT Reviewed)

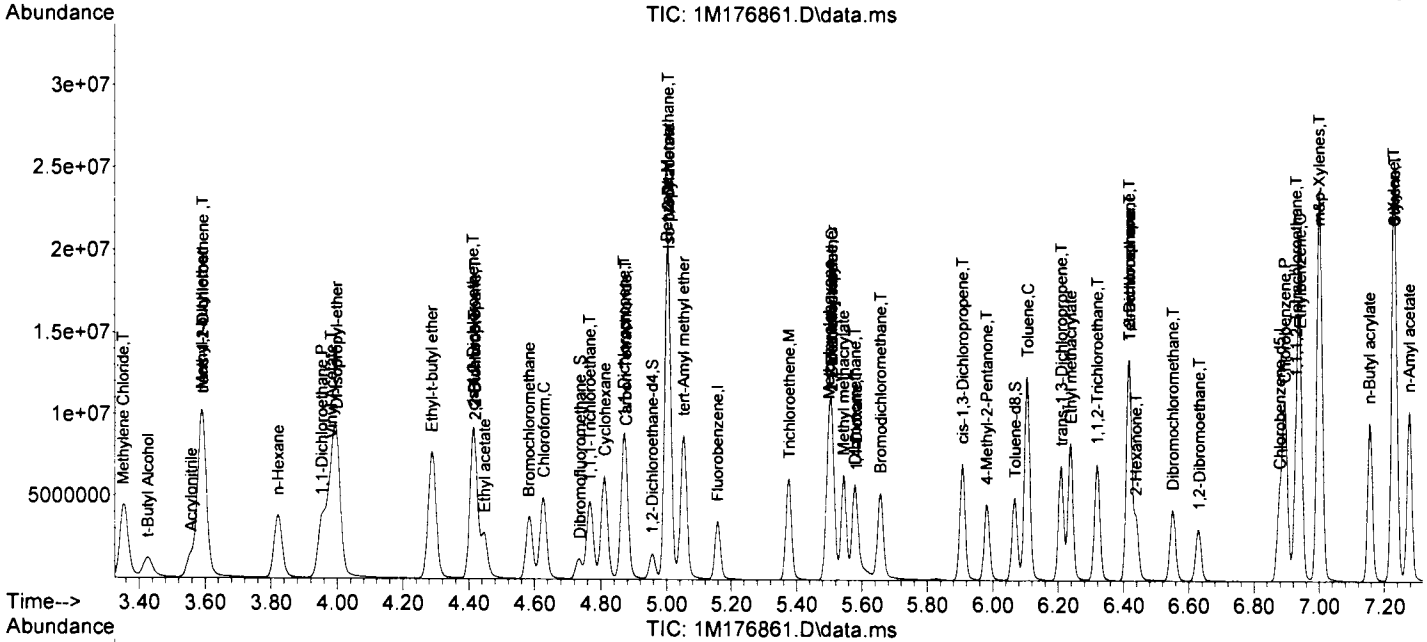
SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176861.D Sam Mult : 1 Vial# : 9 Qt On : 08/01/23 22:42
Acq On : 08/01/23 22:28 Misc : A,5ML Qt Upd On: 08/01/23 22:42

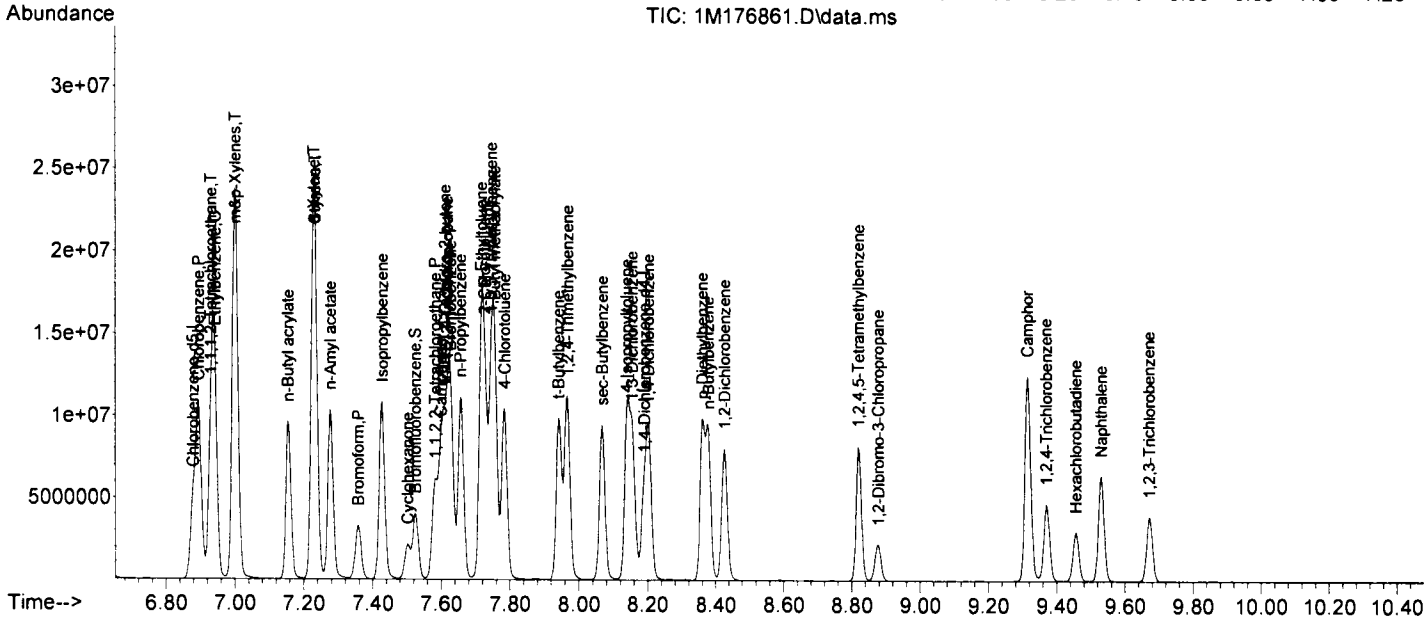
Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.930	133	1099330	79.9185	ug/l	98
69)	Chlorobenzene	6.894	112	3343050	82.0600	ug/l	97
71)	n-Butyl acrylate	7.155	55	4184368	242.8320	ug/l	86
72)	n-Amyl acetate	7.277	43	3905931	277.1073	ug/l	81
73)	Bromoform	7.357	173	902852	88.7596	ug/l	96
74)	Ethylbenzene	6.942	106	1502208	90.0814	ug/l	100
75)	1,1,2,2-Tetrachloroethane	7.582	83	1883775	118.8419	ug/l	99
77)	Styrene	7.232	104	3770346	109.8514	ug/l	89
78)	m&p-Xylenes	7.000	106	4208596	187.8917	ug/l	98
79)	o-Xylene	7.229	106	2159099	99.5778	ug/l	89
80)	trans-1,4-Dichloro-2-b...	7.611	53	1040683	225.6868	ug/l	84
81)	1,3-Dichlorobenzene	8.155	146	2103330	87.3555	ug/l	97
82)	1,4-Dichlorobenzene	8.203	146	2141839	81.0339	ug/l	99
83)	1,2-Dichlorobenzene	8.428	146	2016600	88.0469	ug/l	97
84)	Isopropylbenzene	7.428	105	4577316	101.4678	ug/l	97
85)	Cyclohexanone	7.502	55	671352	1186.4665	ug/l	87
86)	Camphene	7.598	93	1307920	103.0334	ug/l	93
87)	1,2,3-Trichloropropane	7.618	75	2483125	128.4784	ug/l	93
88)	2-Chlorotoluene	7.727	91	3486935	108.6818	ug/l	89
89)	p-Ethyltoluene	7.717	105	5068798	110.4097	ug/l	91
90)	4-Chlorotoluene	7.785	91	3435942	105.3870	ug/l	92
91)	n-Propylbenzene	7.656	91	5834447	107.6164	ug/l	93
92)	Bromobenzene	7.627	77	3757194m	118.8366	ug/l	
93)	1,3,5-Trimethylbenzene	7.746	105	3751263	99.1623	ug/l	98
94)	Butyl methacrylate	7.756	41	2802250m	299.1790	ug/l	
95)	t-Butylbenzene	7.942	119	3419464	101.4964	ug/l	94
96)	1,2,4-Trimethylbenzene	7.968	105	4112219	103.6188	ug/l	94
97)	sec-Butylbenzene	8.068	105	4311063	103.0564	ug/l	94
98)	4-Isopropyltoluene	8.139	119	3497523	99.5717	ug/l	96
99)	n-Butylbenzene	8.380	91	4123506	117.9659	ug/l	89
100)	p-Diethylbenzene	8.360	119	2012840	112.5207	ug/l	84
101)	1,2,4,5-Tetramethylben...	8.820	119	2733499	118.2538	ug/l	94
102)	1,2-Dibromo-3-Chloropr...	8.878	157	356412	110.0829	ug/l	95
103)	Camphor	9.315	95	1915112	1633.6250	ug/l	93
104)	Hexachlorobutadiene	9.457	225	349370	69.8323	ug/l	99
105)	1,2,4-Trichlorobenzene	9.370	180	907337	83.7352	ug/l	98
106)	1,2,3-Trichlorobenzene	9.672	180	786872	82.3966	ug/l	99
107)	Naphthalene	9.531	128	3185816	116.2992	ug/l	98

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


Abundance
TIC: 1M176861.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 1M176861.D
Acq On : 08/01/23 22:28
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML
Qt Meth : 1M A0801.M
Qt On : 08/01/23 22:42
Qt Upd On: 08/01/23 22:42
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 1M176861.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methyl methacrylate
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Time-->


Abundance
TIC: 1M176861.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176862.D Sam Mult : 1 Vial# : 10 Qt On : 08/01/23 23:14
Acq On : 08/01/23 22:49 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.158	96	1939917	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.881	117	1650990	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	1134068	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.737	111	527090	29.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.70%			
39) 1,2-Dichloroethane-d4	4.959	67	340753	41.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 137.80%			
66) Toluene-d8	6.068	98	2086503	30.11	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.37%			
76) Bromofluorobenzene	7.528	174	862914	30.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.03%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.685	51	6638669	456.6884	ug/l	59
6) Dichlorodifluoromethane	1.669	85	3350923	327.7585	ug/l	95
7) Chloromethane	1.843	50	4979649	474.5458	ug/l	95
8) Bromomethane	2.203	94	2470241	176.0644	ug/l	91
9) Vinyl Chloride	1.927	62	4363225	301.9011	ug/l	98
10) Chloroethane	2.290	64	2950853	271.0961	ug/l	100
11) Trichlorofluoromethane	2.512	101	5188022	180.9650	ug/l	95
12) Ethyl ether	2.747	59	5216885	431.5164	ug/l	69
13) Furan	2.785	39	8607333	464.8082	ug/l	63
14) 1,1,2-Trichloro-1,2,2-...	2.943	101	2641179m	202.8144	ug/l	
15) Methylene Chloride	3.354	84	3856562m	256.2287	ug/l	
16) Acrolein	2.859	56	5104573	2771.3651	ug/l	92
17) Acrylonitrile	3.557	53	2957887	615.6962	ug/l	88
18) Iodomethane	3.094	142	3411433	165.9364	ug/l	99
19) Acetone	2.984	43	11027876	3164.7871	ug/l	88
20) Carbon Disulfide	3.164	76	6598712	175.8243	ug/l	100
21) t-Butyl Alcohol	3.431	59	3709389	2495.7092	ug/l	72
22) n-Hexane	3.820	57	4321788	469.5412	ug/l	98
23) Di-isopropyl-ether	3.994	45	16857382	575.1367	ug/l	75
24) 1,1-Dichloroethene	2.952	61	6455341	333.0773	ug/l	80
25) Methyl Acetate	3.258	43	5310592	632.0793	ug/l	100
26) Methyl-t-butyl ether	3.589	73	11846751	322.1851	ug/l	75
27) 1,1-Dichloroethane	3.955	63	8201668	348.4386	ug/l	93
28) trans-1,2-Dichloroethene	3.589	96	3269955	201.9240	ug/l	60
29) Ethyl-t-butyl ether	4.287	59	15443561	506.7141	ug/l	84
30) cis-1,2-Dichloroethene	4.412	61	6821388	302.9466	ug/l	81
31) Bromochloromethane	4.582	49	4293283	480.2556	ug/l	61
32) 2,2-Dichloropropane	4.418	77	4144070	201.8457	ug/l	95
33) Ethyl acetate	4.447	43	6416032	535.4607	ug/l	98
34) 1,4-Dioxane	5.586	88	3104868	14004.8468	ug/l	71
35) 1,1-Dichloropropene	4.869	75	4581245	230.2238	ug/l	96
36) Chloroform	4.627	83	6583656	234.2399	ug/l	99
38) Cyclohexane	4.811	56	5586161	401.0669	ug/l	71
40) 1,2-Dichloroethane	5.004	62	7006927	339.9027	ug/l	96
41) 2-Butanone	4.415	43	2670569	558.3084	ug/l	54
42) 1,1,1-Trichloroethane	4.766	97	5300567	201.3249	ug/l	99
43) Carbon Tetrachloride	4.875	117	4039748	216.5272	ug/l	98
44) Vinyl Acetate	3.978	43	19787249	575.3251	ug/l	100
45) Bromodichloromethane	5.656	83	5399538	256.5283	ug/l	97
46) Methylcyclohexane	5.499	83	3927702	243.8552	ug/l	78
47) Dibromomethane	5.579	174	2289546	172.9714	ug/l	90
48) 1,2-Dichloropropane	5.508	63	4545650	339.0000	ug/l	98
49) Trichloroethene	5.377	130	3134807	170.0218	ug/l	91
50) Benzene	4.997	78	12759578	217.2402	ug/l	100
51) tert-Amyl methyl ether	5.052	73	10468412	325.9771	ug/l	88
53) Iso-propylacetate	5.004	43	11669614	516.4219	ug/l	90
54) Methyl methacrylate	5.547	41	5775357	564.1600	ug/l	64
55) Dibromochloromethane	6.553	129	3722075	227.0401	ug/l	100
56) 2-Chloroethylvinylether	5.508	63	4545650	341.0604	ug/l	68
57) cis-1,3-Dichloropropene	5.907	75	6363658	287.8307	ug/l	100
58) trans-1,3-Dichloropropene	6.209	75	6119215	310.3951	ug/l	100
59) Ethyl methacrylate	6.238	41	5853311	576.2905	ug/l	58
60) 1,1,2-Trichloroethane	6.319	97	3573985	235.8766	ug/l	91
61) 1,2-Dibromoethane	6.631	107	3727377	235.5118	ug/l	100
62) 1,3-Dichloropropane	6.418	76	6491338	279.9236	ug/l	99
63) 4-Methyl-2-Pentanone	5.981	43	5911322	561.9881	ug/l	95
64) 2-Hexanone	6.441	43	4293078	547.3862	ug/l	96
65) Tetrachloroethene	6.418	164	2186406	152.5272	ug/l	93
67) Toluene	6.107	92	8410194	214.8704	ug/l	69

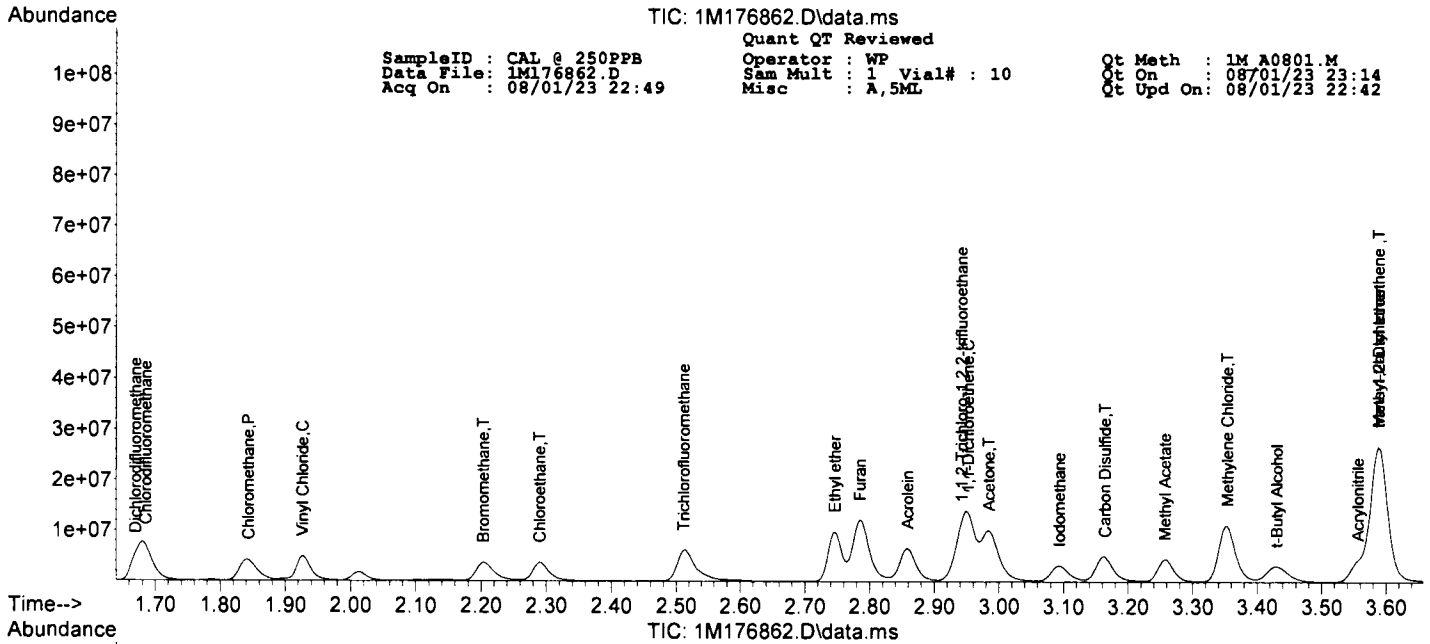
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176862.D Sam Mult : 1 Vial# : 10 Qt On : 08/01/23 23:14
Acq On : 08/01/23 22:49 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.933	133	2868550	193.4158	ug/l	97
69)	Chlorobenzene	6.894	112	8672558	197.4450	ug/l	99
71)	n-Butyl acrylate	7.151	55	11532836	459.8592	ug/l	85
72)	n-Amyl acetate	7.274	43	12072231	588.4691	ug/l	85
73)	Bromoform	7.357	173	3471989	234.5253	ug/l	98
74)	Ethylbenzene	6.942	106	3972096	163.6580	ug/l	46
75)	1,1,2,2-Tetrachloroethane	7.582	83	6110198	264.8551	ug/l	98
77)	Styrene	7.232	104	11229823	224.8070	ug/l	62
78)	m&p-Xylenes	7.000	106	10901124m	334.3908	ug/l	
79)	o-Xylene	7.232	106	6989267	221.4800	ug/l	60
80)	trans-1,4-Dichloro-2-b...	7.611	53	3904219	581.7475	ug/l	81
81)	1,3-Dichlorobenzene	8.158	146	7082482	202.1069	ug/l	98
82)	1,4-Dichlorobenzene	8.203	146	7562365	196.5848	ug/l	99
83)	1,2-Dichlorobenzene	8.428	146	7049383	211.4745	ug/l	97
84)	Isopropylbenzene	7.422	105	12615774m	192.1516	ug/l	
85)	Cyclohexanone	7.502	55	2955255	3588.4987	ug/l	85
86)	Camphene	7.602	93	4410479	238.7235	ug/l	90
87)	1,2,3-Trichloropropane	7.621	75	8254503	293.4507	ug/l	92
88)	2-Chlorotoluene	7.721	91	8388096m	179.6342	ug/l	
89)	p-Ethyltoluene	7.711	105	13154726m	196.8777	ug/l	
90)	4-Chlorotoluene	7.782	91	8383877	176.6847	ug/l	82
91)	n-Propylbenzene	7.653	91	13471059m	170.7234	ug/l	
92)	Bromobenzene	7.627	77	12201458m	265.1618	ug/l	
93)	1,3,5-Trimethylbenzene	7.743	105	11258327m	204.4822	ug/l	
94)	Butyl methacrylate	7.756	41	9645580m	707.5631	ug/l	
95)	t-Butylbenzene	7.942	119	11010757	224.5548	ug/l	95
96)	1,2,4-Trimethylbenzene	7.965	105	10986202	190.2052	ug/l	97
97)	sec-Butylbenzene	8.065	105	11419328	187.5615	ug/l	100
98)	4-Isopropyltoluene	8.139	119	10435914	204.1356	ug/l	96
99)	n-Butylbenzene	8.380	91	11739610	230.7578	ug/l	87
100)	p-Diethylbenzene	8.360	119	6894225	264.8020	ug/l	86
101)	1,2,4,5-Tetramethylben...	8.820	119	10089907	299.9135	ug/l	97
102)	1,2-Dibromo-3-Chloropr...	8.878	157	1347867	286.0404	ug/l	85
103)	Camphor	9.315	95	6622631	3881.5160	ug/l	93
104)	Hexachlorobutadiene	9.457	225	1050788	144.3107	ug/l	99
105)	1,2,4-Trichlorobenzene	9.373	180	2843251	180.2882	ug/l	98
106)	1,2,3-Trichlorobenzene	9.672	180	2404295	172.9838	ug/l	99
107)	Naphthalene	9.531	128	10035471	251.7134	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed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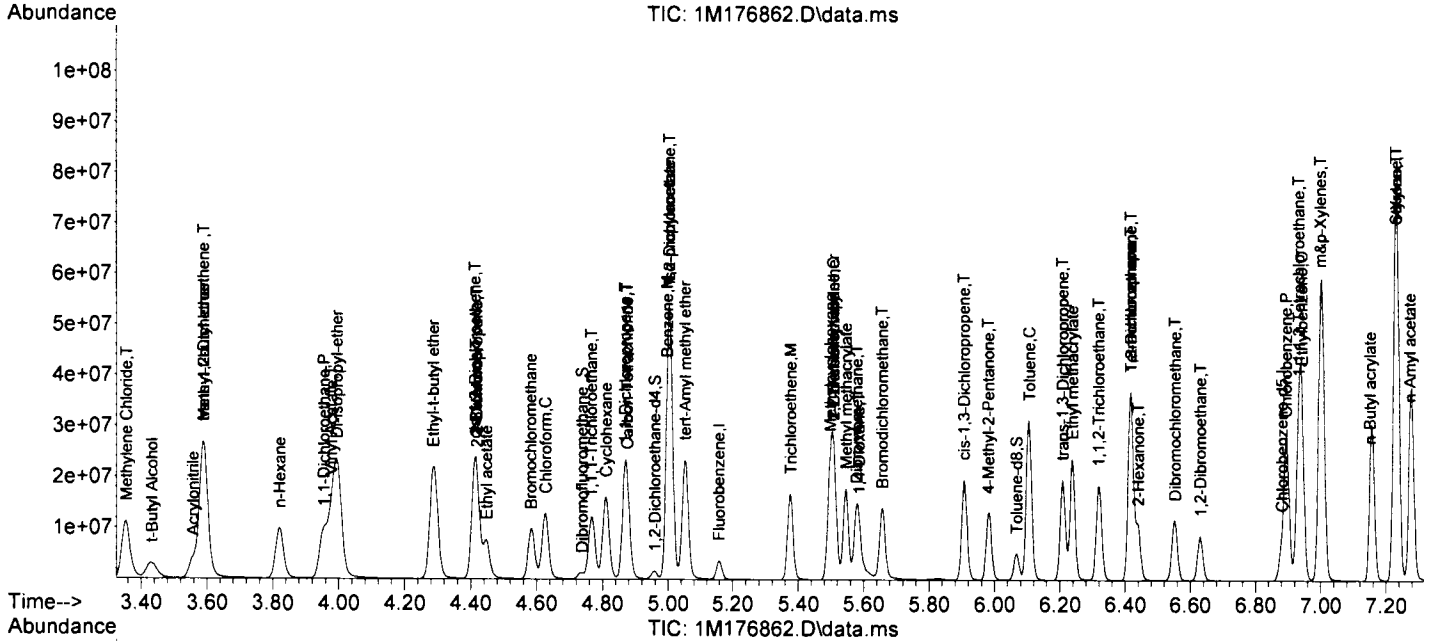
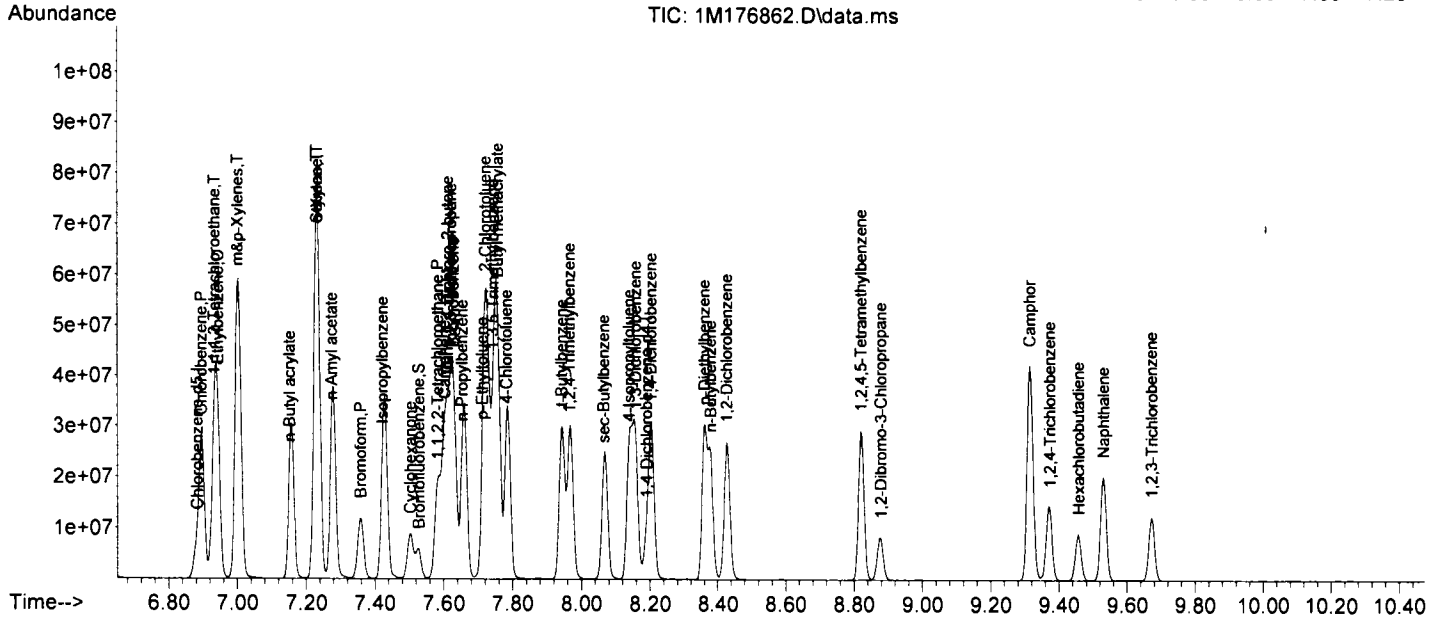
Quant QT Reviewed
SampleID : CAL @ 250PPB
Data File: 1M176862.D
Acq On : 08/01/23 22:49
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 1M A0801.M
Qt On : 08/01/23 23:14
Qt Upd On: 08/01/23 22:42
Dichlorodifluoromethane
Chlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 1M176862.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,S
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->


Abundance
TIC: 1M176862.D\data.ms
Chlorobenzene-d5,S
Ethylbenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
p-Ethyltoluene
2-Chlorotoluene
4-Chlorotoluene
1,2,4-Trimethylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176863.D Sam Mult : 1 Vial# : 11 Qt On : 08/01/23 23:26
Acq On : 08/01/23 23:11 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.158	96	2089863	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.881	117	1735721	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.193	152	1112590	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.734	111	542543	28.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.37%			
39) 1,2-Dichloroethane-d4	4.959	67	362260	40.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 135.97%			
66) Toluene-d8	6.068	98	2202067	30.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.73%			
76) Bromofluorobenzene	7.528	174	745739	26.44	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.13%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.682	51	13201135	842.9766	ug/l	61
6) Dichlorodifluoromethane	1.669	85	6953653	631.3466	ug/l	96
7) Chloromethane	1.840	50	9764229	863.7393	ug/l	93
8) Bromomethane	2.197	94	5896217	390.0955	ug/l	96
9) Vinyl Chloride	1.927	62	8867942	569.5676	ug/l	99
10) Chloroethane	2.283	64	6705251	571.8156	ug/l	99
11) Trichlorofluoromethane	2.509	101	11055581	357.9642	ug/l	93
12) Ethyl ether	2.747	59	10645347	817.3558	ug/l	70
13) Furan	2.782	39	16978135	851.0606	ug/l	66
14) 1,1,2-Trichloro-1,2,2-...	2.939	101	5708949m	406.9327	ug/l	
15) Methylene Chloride	3.354	84	8024040m	494.8639	ug/l	
16) Acrolein	2.859	56	11119575	5603.8673	ug/l	92
17) Acrylonitrile	3.560	53	6125355	1183.5360	ug/l	88
18) Iodomethane	3.094	142	6981861	315.2401	ug/l	94
19) Acetone	2.984	43	20680055	5508.9604	ug/l	80
20) Carbon Disulfide	3.161	76	13971483	345.5632	ug/l	100
21) t-Butyl Alcohol	3.435	59	7621295	4759.7670	ug/l	79
22) n-Hexane	3.820	57	9564773	964.6065	ug/l	97
23) Di-isopropyl-ether	3.984	45	24230883m	767.3889	ug/l	
24) 1,1-Dichloroethene	2.952	61	13789570	660.4531	ug/l	83
25) Methyl Acetate	3.258	43	10841043	1197.7468	ug/l	100
26) Methyl-t-butyl ether	3.579	73	21296342m	537.6214	ug/l	
27) 1,1-Dichloroethane	3.955	63	16387135	646.2379	ug/l	97
28) trans-1,2-Dichloroethene	3.592	96	6959263	398.9099	ug/l	62
29) Ethyl-t-butyl ether	4.277	59	21762225m	662.8026	ug/l	
30) cis-1,2-Dichloroethene	4.412	61	14214852	586.0046	ug/l	83
31) Bromochloromethane	4.586	49	8751528	908.7244	ug/l	61
32) 2,2-Dichloropropane	4.418	77	8425299	380.9282	ug/l	96
33) Ethyl acetate	4.447	43	13141884	1018.0850	ug/l	97
34) 1,4-Dioxane	5.589	88	6415711	26862.4331	ug/l	70
35) 1,1-Dichloropropene	4.869	75	9726724	453.7312	ug/l	99
36) Chloroform	4.624	83	13070589	431.6723	ug/l	93
38) Cyclohexane	4.811	56	12037760	802.2585	ug/l	71
40) 1,2-Dichloroethane	5.000	62	13284687	598.1962	ug/l	87
41) 2-Butanone	4.418	43	5259313	1020.6215	ug/l	54
42) 1,1,1-Trichloroethane	4.769	97	11124566	392.2144	ug/l	95
43) Carbon Tetrachloride	4.875	117	8613221	428.5378	ug/l	98
44) Vinyl Acetate	3.968	43	29517214m	796.6520	ug/l	
45) Bromodichloromethane	5.656	83	10920576	481.6033	ug/l	91
46) Methylcyclohexane	5.499	83	8676896	500.0613	ug/l	78
47) Dibromomethane	5.579	174	4697417	329.4196	ug/l	91
48) 1,2-Dichloropropane	5.512	63	9417313	651.9226	ug/l	99
49) Trichloroethene	5.377	130	6501721	327.3313	ug/l	90
50) Benzene	4.991	78	17553409m	277.4155	ug/l	
51) tert-Amyl methyl ether	5.045	73	16892903m	488.2879	ug/l	
53) Iso-propylacetate	5.000	43	15974302m	672.4107	ug/l	
54) Methyl methacrylate	5.544	41	11372614	1056.6916	ug/l	67
55) Dibromochloromethane	6.553	129	8918168	517.4372	ug/l	95
56) 2-Chloroethylvinylether	5.512	63	9417313	672.0891	ug/l	69
57) cis-1,3-Dichloropropene	5.904	75	11837833	509.2921	ug/l	91
58) trans-1,3-Dichloropropene	6.206	75	12177953	587.5678	ug/l	85
59) Ethyl methacrylate	6.235	41	12379578m	1159.3384	ug/l	
60) 1,1,2-Trichloroethane	6.322	97	8012201	502.9774	ug/l	86
61) 1,2-Dibromoethane	6.631	107	8407707	505.3026	ug/l	100
62) 1,3-Dichloropropane	6.415	76	12471188	511.5378	ug/l	78
63) 4-Methyl-2-Pentanone	5.981	43	11394601	1030.4007	ug/l	96
64) 2-Hexanone	6.441	43	10603992	1286.0534	ug/l	89
65) Tetrachloroethene	6.418	164	4864440	322.7855	ug/l	97
67) Toluene	6.100	92	13897707m	337.7368	ug/l	

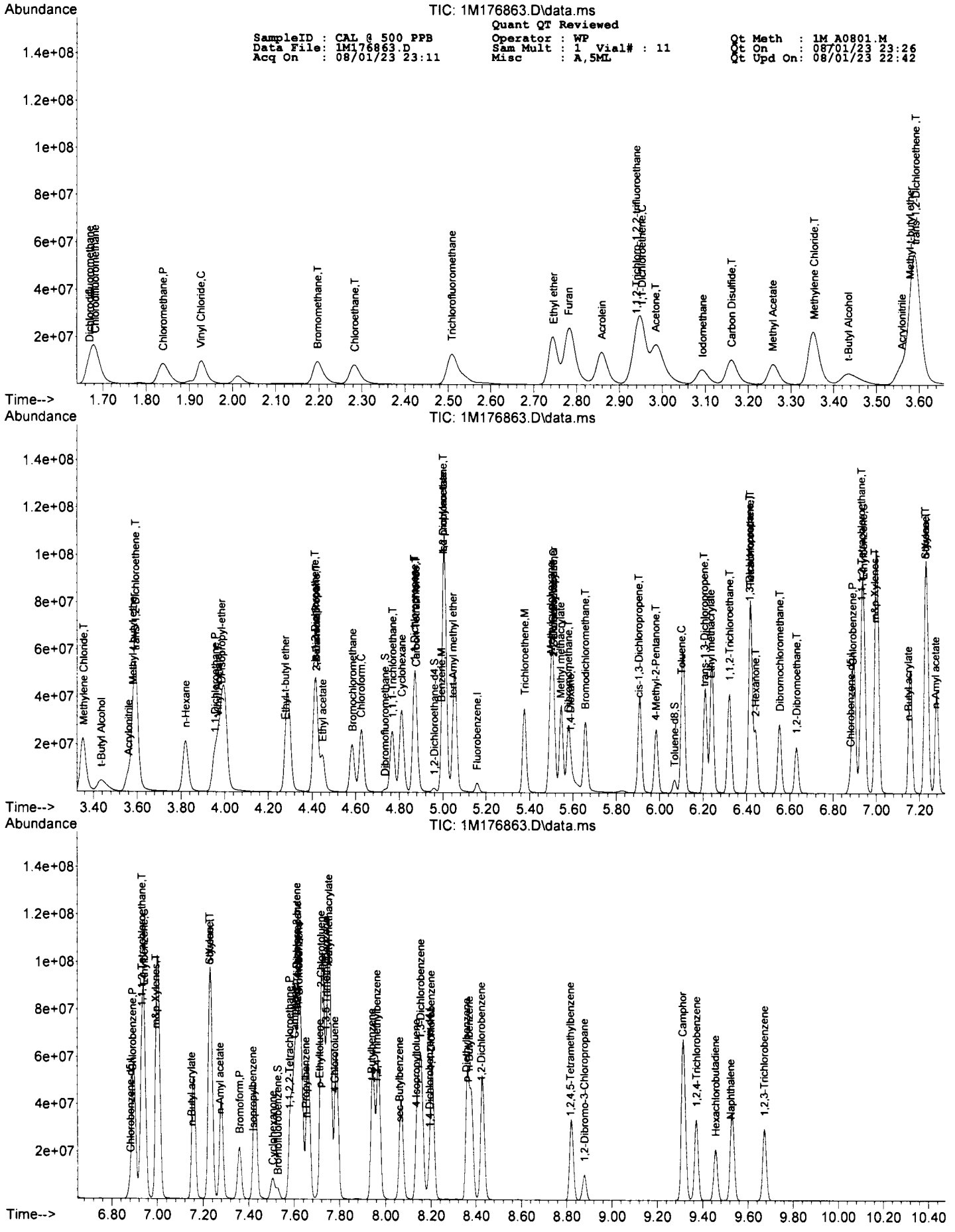
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176863.D Sam Mult : 1 Vial# : 11 Qt On : 08/01/23 23:26
Acq On : 08/01/23 23:11 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.933	133	6734940	431.9443	ug/l	98
69)	Chlorobenzene	6.891	112	13853842m	300.0086	ug/l	
71)	n-Butyl acrylate	7.148	55	14815577m	602.1591	ug/l	
72)	n-Amyl acetate	7.274	43	12628805m	627.4835	ug/l	
73)	Bromoform	7.360	173	6576272	452.7881	ug/l	98
74)	Ethylbenzene	6.942	106	8388096m	352.2775	ug/l	
75)	1,1,2,2-Tetrachloroethane	7.579	83	11522204	509.0877	ug/l	92
77)	Styrene	7.229	104	13483090m	275.1252	ug/l	
78)	m&p-Xylenes	6.994	106	15156765m	473.9073	ug/l	
79)	o-Xylene	7.229	106	10637954m	343.6093	ug/l	
80)	trans-1,4-Dichloro-2-b...	7.611	53	7901440	1200.0810	ug/l	84
81)	1,3-Dichlorobenzene	8.155	146	11852031	344.7405	ug/l	86
82)	1,4-Dichlorobenzene	8.200	146	12388941	328.2695	ug/l	87
83)	1,2-Dichlorobenzene	8.425	146	11984111	366.4516	ug/l	86
84)	Isopropylbenzene	7.418	105	14931113m	231.8069	ug/l	
85)	Cyclohexanone	7.505	55	3240648	4011.0090	ug/l	87
86)	Camphene	7.602	93	9334308	514.9860	ug/l	92
87)	1,2,3-Trichloropropane	7.614	75	14981115m	542.8655	ug/l	
88)	2-Chlorotoluene	7.717	91	8388096m	183.1020	ug/l	
89)	p-Ethyltoluene	7.711	105	15518582m	236.7395	ug/l	
90)	4-Chlorotoluene	7.778	91	8388096m	180.1861	ug/l	
91)	n-Propylbenzene	7.650	91	16345602m	211.1525	ug/l	
92)	Bromobenzene	7.621	77	19880949m	440.3928	ug/l	
93)	1,3,5-Trimethylbenzene	7.740	105	14445267m	267.4306	ug/l	
94)	Butyl methacrylate	7.753	41	14652777m	1095.6219	ug/l	
95)	t-Butylbenzene	7.939	119	16885478m	351.0125	ug/l	
96)	1,2,4-Trimethylbenzene	7.962	105	14747689m	260.2572	ug/l	
97)	sec-Butylbenzene	8.061	105	14707251m	246.2287	ug/l	
98)	4-Isopropyltoluene	8.135	119	13968493m	278.5106	ug/l	
99)	n-Butylbenzene	8.370	91	17288998m	346.3988	ug/l	
100)	p-Diethylbenzene	8.357	119	11598517	454.0903	ug/l	79
101)	1,2,4,5-Tetramethylben...	8.817	119	11734943	355.5443	ug/l	96
102)	1,2-Dibromo-3-Chloropr...	8.878	157	2051364	443.7383	ug/l	96
103)	Camphor	9.312	95	11716606	6999.6544	ug/l	92
104)	Hexachlorobutadiene	9.457	225	2733454	382.6477	ug/l	99
105)	1,2,4-Trichlorobenzene	9.373	180	6840662	442.1342	ug/l	98
106)	1,2,3-Trichlorobenzene	9.672	180	6157930	451.6025	ug/l	99
107)	Naphthalene	9.524	128	14640085m	374.2968	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 1M176863.D
Acq On : 08/01/23 23:11
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 1M_A0801.M
Qt On : 08/01/23 23:26
Qt Upd On: 08/01/23 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 1M176863.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
Benzene,M
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Time-->

Abundance
TIC: 1M176863.D\data.ms
Chlorobenzene-d5,S
Chlorobenzene,P
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
n-Propylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176856.D Sam Mult : 1 Vial# : 4 Qt On : 08/01/23 22:49
Acq On : 08/01/23 20:41 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1822136	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	1309751	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	555532	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.737	111	549370	32.53	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.43%			
39) 1,2-Dichloroethane-d4	4.959	67	363852	46.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 156.63%			
66) Toluene-d8	6.068	98	1675665	30.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.60%			
76) Bromofluorobenzene	7.528	174	431272	30.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.07%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.685	51	20801	1.5234	ug/l	57
6) Dichlorodifluoromethane	1.679	85	10337	1.0764	ug/l	84
7) Chloromethane	1.837	50	16812m	1.7057	ug/l	
8) Bromomethane	2.226	94	10816m	0.8207	ug/l	
9) Vinyl Chloride	1.927	62	14335	1.0560	ug/l	93
10) Chloroethane	2.312	64	10294	1.0068	ug/l	92
11) Trichlorofluoromethane	2.521	101	18010	0.6688	ug/l	93
12) Ethyl ether	2.746	59	15568	1.3709	ug/l	73
13) Furan	2.788	39	26267	1.5101	ug/l	68
14) 1,1,2-Trichloro-1,2,2-...	2.946	101	10472m	0.8561	ug/l	
15) Methylene Chloride	3.351	84	16062	1.1361	ug/l	82
16) Acrolein	2.865	56	10649	6.1552	ug/l	69
17) Acrylonitrile	3.560	53	11025	2.4432	ug/l	62
18) Iodomethane	3.103	142	12353m	0.6397	ug/l	
19) Acetone	2.988	43	42650	13.0309	ug/l	95
20) Carbon Disulfide	3.164	76	31495	0.8934	ug/l	100
21) t-Butyl Alcohol	3.438	59	13679m	9.7982	ug/l	
22) n-Hexane	3.824	57	13891	1.6067	ug/l	90
23) Di-isopropyl-ether	4.000	45	57189	2.0773	ug/l	71
24) 1,1-Dichloroethene	2.962	61	23300	1.2799	ug/l	56
25) Methyl Acetate	3.258	43	25529	3.2349	ug/l	100
26) Methyl-t-butyl ether	3.586	73	38868	1.1254	ug/l	71
27) 1,1-Dichloroethane	3.952	63	30291	1.3701	ug/l	100
28) trans-1,2-Dichloroethene	3.599	96	13172	0.8660	ug/l	73
29) Ethyl-t-butyl ether	4.293	59	53622	1.8731	ug/l	82
30) cis-1,2-Dichloroethene	4.412	61	25479	1.2047	ug/l	81
31) Bromochloromethane	4.579	49	16669	1.9852	ug/l	62
32) 2,2-Dichloropropane	4.422	77	16324	0.8465	ug/l	92
33) Ethyl acetate	4.451	43	21918	1.9474	ug/l	93
34) 1,4-Dioxane	5.586	88	8147m	39.1233	ug/l	
35) 1,1-Dichloropropene	4.872	75	12634	0.6759	ug/l	79
36) Chloroform	4.627	83	26548	1.0056	ug/l	99
38) Cyclohexane	4.814	56	13175	1.0071	ug/l	71
40) 1,2-Dichloroethane	5.000	62	26742	1.3811	ug/l	100
41) 2-Butanone	4.422	43	9428m	2.0984	ug/l	
42) 1,1,1-Trichloroethane	4.766	97	18587	0.7516	ug/l	89
43) Carbon Tetrachloride	4.881	117	9962	0.5685	ug/l	77
44) Vinyl Acetate	3.991	43	55039m	1.7037	ug/l	
45) Bromodichloromethane	5.656	83	19281	0.9752	ug/l	96
46) Methylcyclohexane	5.502	83	8765	0.5794	ug/l	68
47) Dibromomethane	5.582	174	9318	0.7495	ug/l	85
48) 1,2-Dichloropropane	5.515	63	17796	1.4130	ug/l	90
49) Trichloroethene	5.380	130	11246	0.6494	ug/l	75
50) Benzene	5.004	78	48066	0.8713	ug/l	100
51) tert-Amyl methyl ether	5.052	73	24192	0.8020	ug/l	65
53) Iso-propylacetate	5.010	43	32183m	1.7953	ug/l	
54) Methyl methacrylate	5.547	41	13710	1.6882	ug/l	64
55) Dibromochloromethane	6.553	129	10794	0.8300	ug/l	70
56) 2-Chloroethylvinylether	5.515	63	17796	1.6831	ug/l	72
57) cis-1,3-Dichloropropene	5.910	75	14573	0.8309	ug/l	96
58) trans-1,3-Dichloropropene	6.209	75	15062	0.9631	ug/l	81
59) Ethyl methacrylate	6.238	41	9497	1.1786	ug/l	55
60) 1,1,2-Trichloroethane	6.319	97	12137	1.0097	ug/l	83
61) 1,2-Dibromoethane	6.631	107	11844	0.9433	ug/l	72
62) 1,3-Dichloropropane	6.412	76	17145	0.9320	ug/l	91
63) 4-Methyl-2-Pentanone	5.984	43	11122	1.3328	ug/l	78
64) 2-Hexanone	6.441	43	8804	1.4150	ug/l	78
65) Tetrachloroethene	6.415	164	6332	0.5568	ug/l	64
67) Toluene	6.103	92	24811	0.7990	ug/l	75

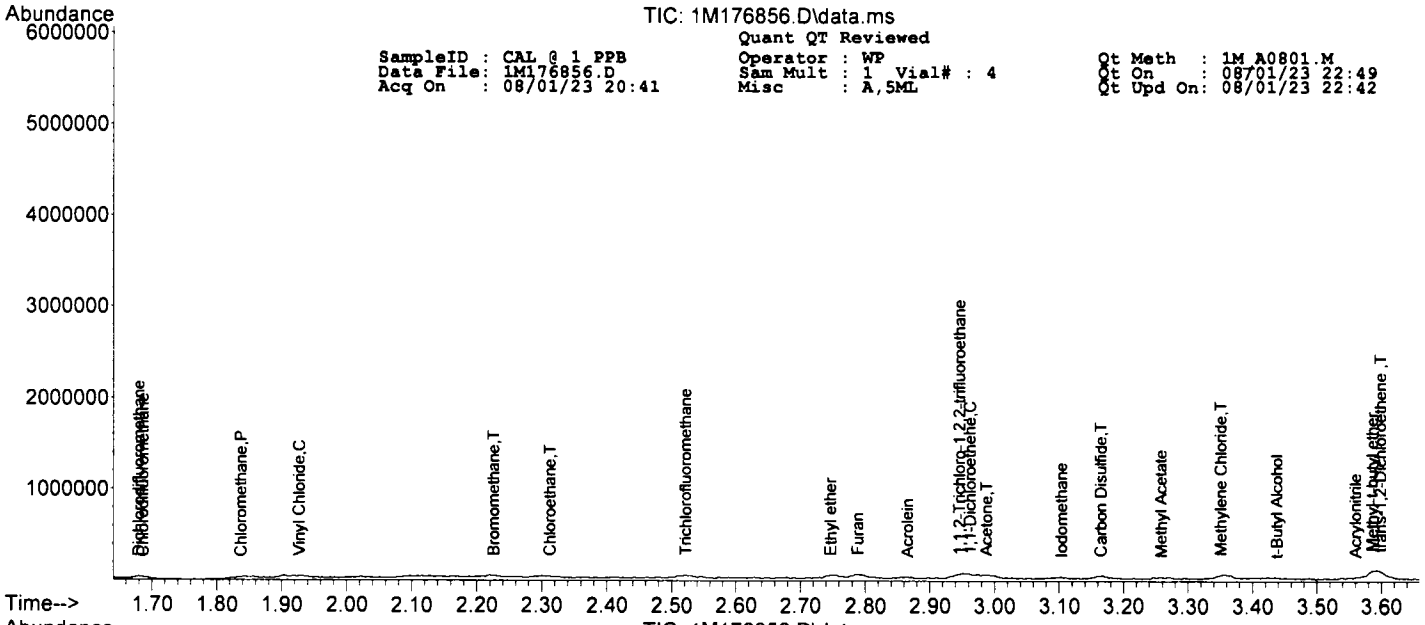
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176856.D Sam Mult : 1 Vial# : 4 Qt On : 08/01/23 22:49
Acq On : 08/01/23 20:41 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.930	133	8909	0.7572	ug/l	92
69)	Chlorobenzene	6.894	112	27518	0.7897	ug/l	87
71)	n-Butyl acrylate	7.155	55	14985	1.2198	ug/l	89
72)	n-Amyl acetate	7.277	43	13109	1.3045	ug/l	81
73)	Bromoform	7.360	173	6602	0.9104	ug/l	91
74)	Ethylbenzene	6.942	106	9357m	0.7870	ug/l	
75)	1,1,2,2-Tetrachloroethane	7.582	83	15908	1.4077	ug/l	86
77)	Styrene	7.232	104	15992	0.6535	ug/l	51
78)	m&p-Xylenes	7.000	106	19202	1.2024	ug/l	74
79)	o-Xylene	7.232	106	10423	0.6743	ug/l	78
80)	trans-1,4-Dichloro-2-b...	7.608	53	8695	2.6448	ug/l	75
81)	1,3-Dichlorobenzene	8.155	146	12992	0.7568	ug/l	81
82)	1,4-Dichlorobenzene	8.206	146	16178m	0.8585	ug/l	
83)	1,2-Dichlorobenzene	8.428	146	12311	0.7539	ug/l	95
84)	Isopropylbenzene	7.425	105	19179	0.5963	ug/l	88
85)	Cyclohexanone	7.502	55	3476m	8.6164	ug/l	
86)	Camphene	7.598	93	7008	0.7743	ug/l	86
87)	1,2,3-Trichloropropane	7.618	75	18253	1.3247	ug/l	95
88)	2-Chlorotoluene	7.727	91	20776	0.9083	ug/l	84
89)	p-Ethyltoluene	7.717	105	21771	0.6652	ug/l	91
90)	4-Chlorotoluene	7.782	91	18248	0.7851	ug/l	82
91)	n-Propylbenzene	7.656	91	30667	0.7934	ug/l	90
92)	Bromobenzene	7.631	77	27463	1.2184	ug/l	86
93)	1,3,5-Trimethylbenzene	7.743	105	15563	0.5770	ug/l	90
94)	Butyl methacrylate	7.753	41	8828m	1.3220	ug/l	
95)	t-Butylbenzene	7.942	119	13065	0.5439	ug/l	78
96)	1,2,4-Trimethylbenzene	7.968	105	16561	0.5853	ug/l	88
97)	sec-Butylbenzene	8.068	105	17245	0.5782	ug/l	92
98)	4-Isopropyltoluene	8.142	119	12786m	0.5106	ug/l	
99)	n-Butylbenzene	8.380	91	18604	0.7465	ug/l	84
100)	p-Diethylbenzene	8.364	119	8187	0.6419	ug/l	84
101)	1,2,4,5-Tetramethylben...	8.823	119	9613	0.5833	ug/l	96
102)	1,2-Dibromo-3-Chloropr...	8.878	157	1678m	0.7269	ug/l	
103)	Camphor	9.315	95	7634m	9.1338	ug/l	
104)	Hexachlorobutadiene	9.457	225	3534m	0.9908	ug/l	
105)	1,2,4-Trichlorobenzene	9.376	180	4927	0.6378	ug/l	97
106)	1,2,3-Trichlorobenzene	9.675	180	3424	0.5029	ug/l	85
107)	Naphthalene	9.531	128	14121	0.7230	ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed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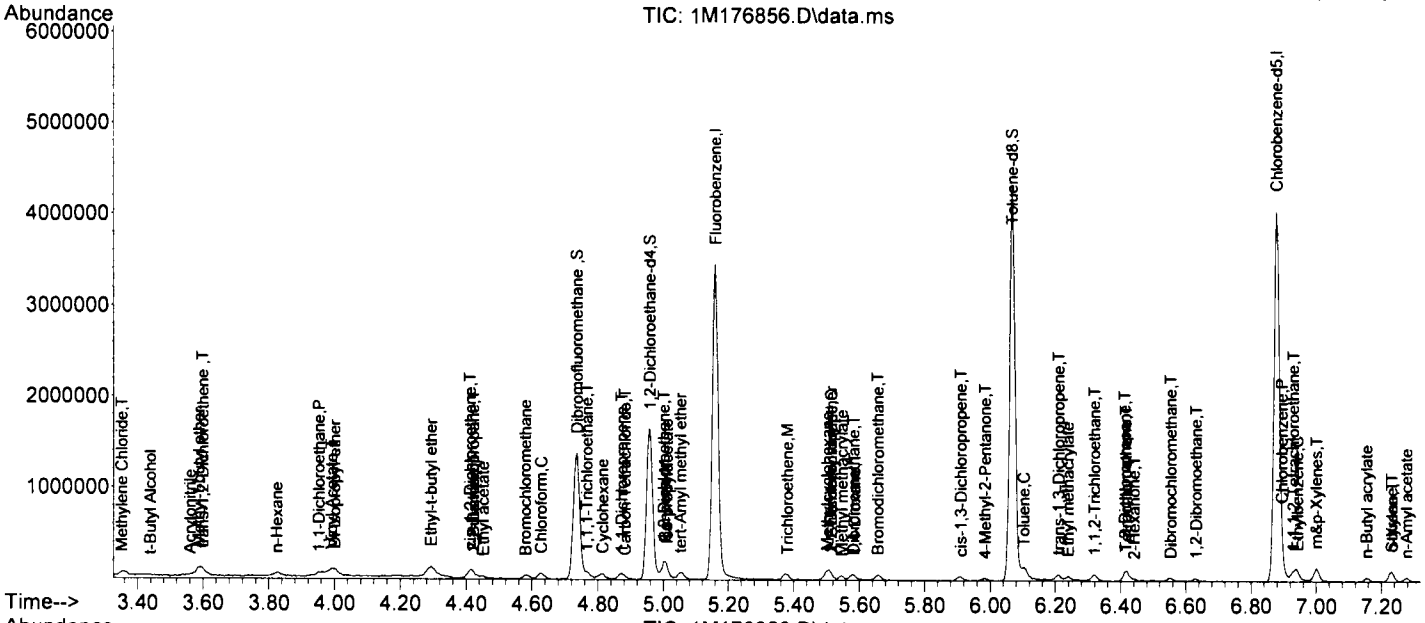
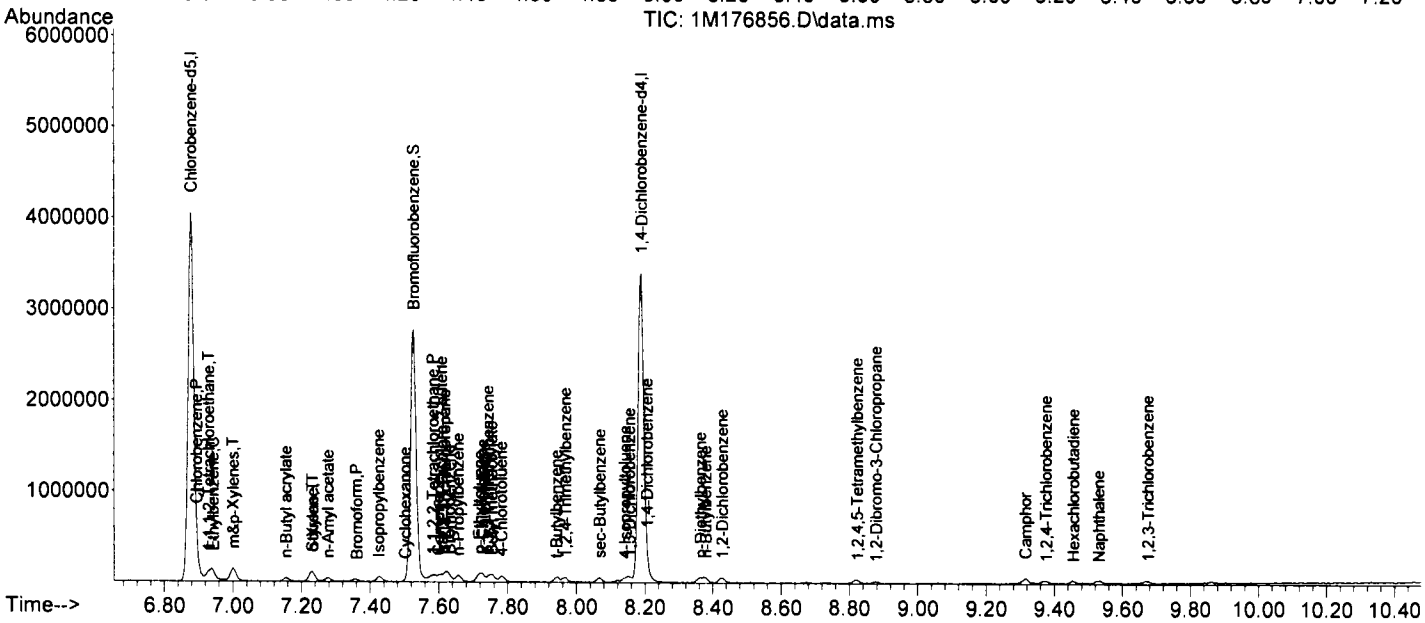
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 1M176856.D
Acq On : 08/01/23 20:41
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : A,5ML
Qt Meth : 1M_A0801.M
Qt On : 08/01/23 22:49
Qt Upd On: 08/01/23 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 1M176856.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,1,1-Trichloroethane,I
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->


Abundance
TIC: 1M176856.D\data.ms
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176855.D Sam Mult : 1 Vial# : 3 Qt On : 08/01/23 22:53
Acq On : 08/01/23 20:19 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1642948	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	1309227	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	542705	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.733	111	505552	33.20	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.67%			
39) 1,2-Dichloroethane-d4	4.958	67	331715	47.51	ug/l	0.00
Spiked Amount 30.000			Recovery = 158.37%			
66) Toluene-d8	6.068	98	1656120	30.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.47%			
76) Bromofluorobenzene	7.527	174	421413	30.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.10%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	0.000		0	N.D. d		
6) Dichlorodifluoromethane	0.000		0	N.D. d		
7) Chloromethane	0.000		0	N.D. d		
8) Bromomethane	0.000		0	N.D. d		
9) Vinyl Chloride	0.000		0	N.D. d		
10) Chloroethane	0.000		0	N.D. d		
11) Trichlorofluoromethane	0.000		0	N.D. d		
12) Ethyl ether	0.000		0	N.D. d		
13) Furan	0.000		0	N.D. d		
14) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D. d		
15) Methylene Chloride	0.000		0	N.D. d		
16) Acrolein	0.000		0	N.D. d		
17) Acrylonitrile	0.000		0	N.D. d		
18) Iodomethane	0.000		0	N.D. d		
19) Acetone	0.000		0	N.D. d		
20) Carbon Disulfide	0.000		0	N.D. d		
21) t-Butyl Alcohol	0.000		0	N.D. d		
22) n-Hexane	0.000		0	N.D. d		
23) Di-isopropyl-ether	0.000		0	N.D. d		
24) 1,1-Dichloroethene	0.000		0	N.D. d		
25) Methyl Acetate	0.000		0	N.D. d		
26) Methyl-t-butyl ether	3.595	73	18327	0.5885	ug/l	82
27) 1,1-Dichloroethane	0.000		0	N.D. d		
28) trans-1,2-Dichloroethene	0.000		0	N.D. d		
29) Ethyl-t-butyl ether	0.000		0	N.D. d		
30) cis-1,2-Dichloroethene	0.000		0	N.D. d		
31) Bromochloromethane	0.000		0	N.D. d		
32) 2,2-Dichloropropane	0.000		0	N.D. d		
33) Ethyl acetate	0.000		0	N.D. d		
34) 1,4-Dioxane	0.000		0	N.D. d		
35) 1,1-Dichloropropene	0.000		0	N.D. d		
36) Chloroform	0.000		0	N.D. d		
38) Cyclohexane	0.000		0	N.D. d		
40) 1,2-Dichloroethane	5.010	62	13800	0.7904	ug/l	80
41) 2-Butanone	0.000		0	N.D. d		
42) 1,1,1-Trichloroethane	0.000		0	N.D. d		
43) Carbon Tetrachloride	0.000		0	N.D. d		
44) Vinyl Acetate	0.000		0	N.D. d		
45) Bromodichloromethane	0.000		0	N.D. d		
46) Methylcyclohexane	0.000		0	N.D. d		
47) Dibromomethane	0.000		0	N.D. d		
48) 1,2-Dichloropropane	0.000		0	N.D. d		
49) Trichloroethene	0.000		0	N.D. d		
50) Benzene	5.003	78	20953	0.4212	ug/l	100
51) tert-Amyl methyl ether	0.000		0	N.D. d		
53) Iso-propylacetate	0.000		0	N.D. d		
54) Methyl methacrylate	0.000		0	N.D. d		
55) Dibromochloromethane	0.000		0	N.D. d		
56) 2-Chloroethylvinylether	0.000		0	N.D. d		
57) cis-1,3-Dichloropropene	0.000		0	N.D. d		
58) trans-1,3-Dichloropropene	0.000		0	N.D. d		
59) Ethyl methacrylate	0.000		0	N.D. d		
60) 1,1,2-Trichloroethane	0.000		0	N.D. d		
61) 1,2-Dibromoethane	0.000		0	N.D. d		
62) 1,3-Dichloropropane	0.000		0	N.D. d		
63) 4-Methyl-2-Pentanone	0.000		0	N.D. d		
64) 2-Hexanone	0.000		0	N.D. d		
65) Tetrachloroethene	0.000		0	N.D. d		
67) Toluene	0.000		0	N.D. d		

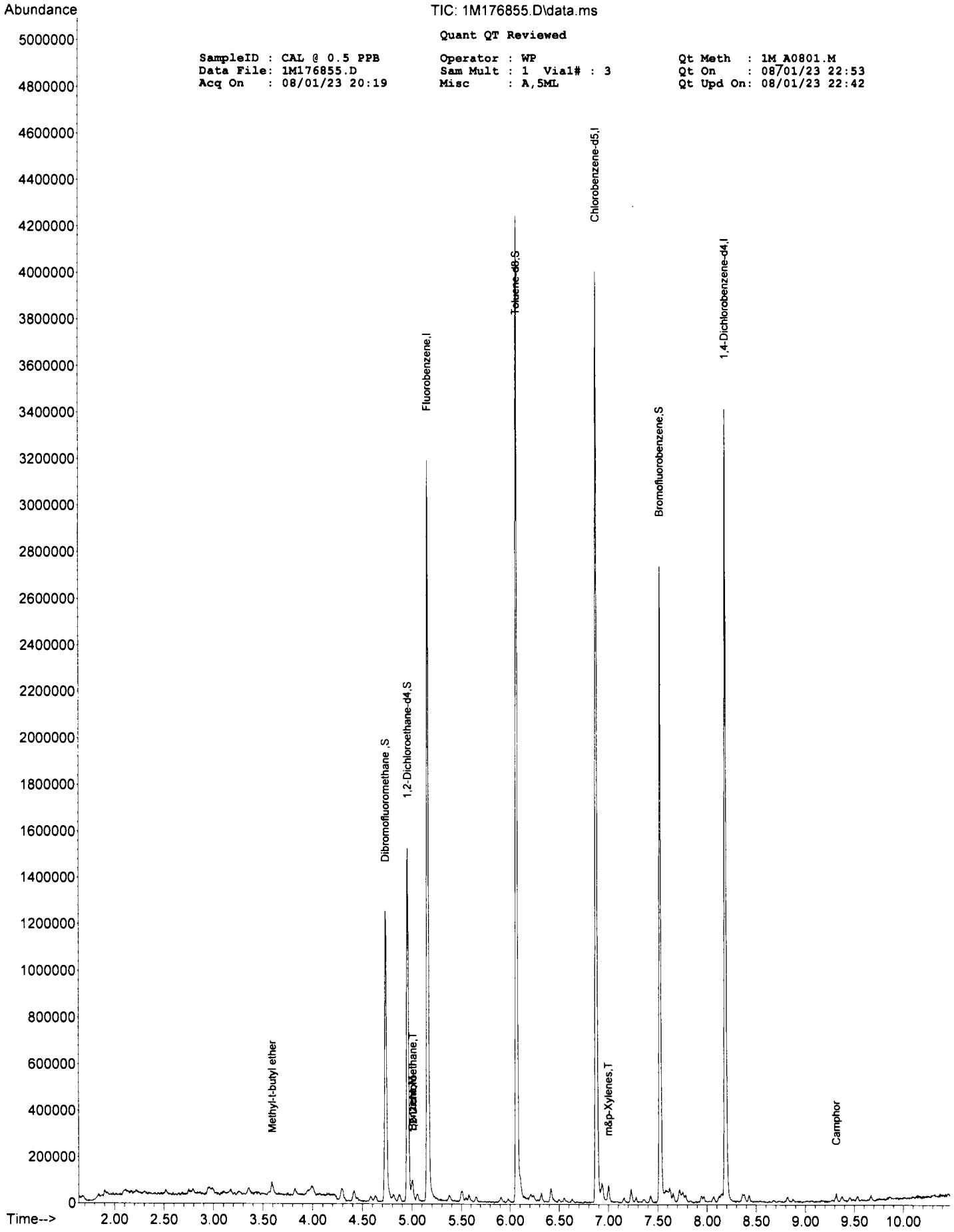
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 1M_A0801.M
Data File: 1M176855.D Sam Mult : 1 Vial# : 3 Qt On : 08/01/23 22:53
Acq On : 08/01/23 20:19 Misc : A,5ML Qt Upd On: 08/01/23 22:42

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	0.000		0	N.D.	d	
69)	Chlorobenzene	0.000		0	N.D.	d	
71)	n-Butyl acrylate	0.000		0	N.D.	d	
72)	n-Amyl acetate	0.000		0	N.D.	d	
73)	Bromoform	0.000		0	N.D.	d	
74)	Ethylbenzene	0.000		0	N.D.	d	
75)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
77)	Styrene	0.000		0	N.D.	d	
78)	m&p-Xylenes	7.000	106	9437m	0.6049	ug/l	
79)	o-Xylene	0.000		0	N.D.	d	
80)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
81)	1,3-Dichlorobenzene	0.000		0	N.D.	d	
82)	1,4-Dichlorobenzene	0.000		0	N.D.	d	
83)	1,2-Dichlorobenzene	0.000		0	N.D.	d	
84)	Isopropylbenzene	0.000		0	N.D.	d	
85)	Cyclohexanone	0.000		0	N.D.	d	
86)	Camphene	0.000		0	N.D.	d	
87)	1,2,3-Trichloropropane	0.000		0	N.D.	d	
88)	2-Chlorotoluene	0.000		0	N.D.	d	
89)	p-Ethyltoluene	0.000		0	N.D.	d	
90)	4-Chlorotoluene	0.000		0	N.D.	d	
91)	n-Propylbenzene	0.000		0	N.D.	d	
92)	Bromobenzene	0.000		0	N.D.	d	
93)	1,3,5-Trimethylbenzene	0.000		0	N.D.	d	
94)	Butyl methacrylate	0.000		0	N.D.	d	
95)	t-Butylbenzene	0.000		0	N.D.	d	
96)	1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
97)	sec-Butylbenzene	0.000		0	N.D.	d	
98)	4-Isopropyltoluene	0.000		0	N.D.	d	
99)	n-Butylbenzene	0.000		0	N.D.	d	
100)	p-Diethylbenzene	0.000		0	N.D.	d	
101)	1,2,4,5-Tetramethylben...	0.000		0	N.D.	d	
102)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	d	
103)	Camphor	9.315	95	4694	5.7490	ug/l	76
104)	Hexachlorobutadiene	0.000		0	N.D.	d	
105)	1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
106)	1,2,3-Trichlorobenzene	0.000		0	N.D.	d	
107)	Naphthalene	0.000		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 1M176855.D
Acq On : 08/01/23 20:19
Operator : WP
Sam Mult : 1 Via1# : 3
Misc : A,5ML
Qt Meth : 1M_A0801.M
Qt On : 08/01/23 22:53
Qt Upd On: 08/01/23 22:42
Methyl-t-butyl ether
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Camphor
Time-->

3080829 0111

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_2

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	2M188190.D	CAL @ 20 PPB	08/07/23 17:53	2	2M188188.D	CAL @ 5 PPB	08/07/23 17:13
3	2M188189.D	CAL @ 10 PPB	08/07/23 17:33	4	2M188192.D	CAL @ 50 PPB	08/07/23 18:33
5	2M188194.D	CAL @ 100 PPB	08/07/23 19:14	6	2M188196.D	CAL @ 250 PPB	08/07/23 19:54
7	2M188199.D	CAL @ 500 PPB	08/07/23 20:54	8	2M188187.D	CAL @ 1 PPB	08/07/23 16:53
9	2M188186.D	CAL @ 0.5 PPB	08/07/23 16:32				

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	0.2970	0.2870	0.3044	0.2982	0.2912	0.3125	0.2637	0.2628	-----	0.290	1.70	0.993	0.999	6.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluorometha	1	0	Avg	0.2671	0.2509	0.2434	0.2604	0.2695	0.2767	0.2279	0.2504	-----	0.256	1.68	0.990	0.999	6.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.1848	0.1931	0.1884	0.1802	0.1834	0.1867	0.1563	0.2076	-----	0.185	1.86	0.992	0.999	7.8	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.1827	0.2249	0.1992	0.1706	0.1876	0.2630	0.3003	0.2368	-----	0.221	2.26	0.993	0.999	20	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Chloride	1	0	Avg	0.2618	0.2590	0.2503	0.2546	0.2604	0.2749	0.2254	0.2776	-----	0.258	1.96	0.990	0.999	6.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.1931	0.2076	0.1935	0.1853	0.1970	0.2106	0.1862	0.2473	-----	0.203	2.34	0.996	0.999	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethan	1	0	Avg	0.5755	0.5857	0.5871	0.5778	0.6054	0.6290	0.5321	0.6368	-----	0.591	2.56	0.993	0.999	5.6	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.2114	0.2278	0.2160	0.2114	0.2282	0.2608	0.2100	0.2131	-----	0.222	2.80	0.988	0.997	7.7	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Furan	1	0	Avg	0.3445	0.3447	0.3366	0.3307	0.3399	0.3563	0.3036	0.3823	-----	0.342	2.84	0.994	0.999	6.5	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	0.2468	0.2343	0.2445	0.2469	0.2525	0.2671	0.2286	0.2626	-----	0.248	3.00	0.994	0.999	5.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.2727	0.2908	0.2696	0.2695	0.2777	0.2901	0.2471	0.2881	-----	0.276	3.42	0.994	0.999	5.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0343	0.0322	0.0375	0.0356	0.0364	0.0391	0.0345	0.0357	-----	0.0357	2.92	0.996	0.999	5.8		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.0975	0.0952	0.0979	0.1004	0.1028	0.1066	0.0919	0.0911	-----	0.0980	3.62	0.995	0.999	5.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Qua	0.2267	0.1490	0.1735	0.3048	0.3448	0.3652	-----	0.1818	-----	0.249	3.15	0.987	0.994	35		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Acetone	1	0	Avg	0.0795	0.0861	0.0822	0.0806	0.0783	0.0817	0.0649	0.1089	-----	0.0828	3.04	0.986	0.999	15	0.10 a	100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	0.4694	0.4581	0.4676	0.4697	0.4923	0.5271	0.4510	0.5008	-----	0.480	3.22	0.994	0.999	5.3	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	0.0307	0.0304	0.0306	0.0325	0.0355	0.0287	0.0299	-----	0.0312	3.48	0.989	0.998	6.6		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.2120	0.2199	0.2104	0.2136	0.2168	0.2220	0.1894	0.2007	-----	0.211	3.87	0.994	0.999	5.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.6043	0.6104	0.6130	0.6354	0.6388	0.6826	0.5922	0.5939	-----	0.621	4.03	0.995	0.999	4.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethene	1	0	Avg	0.3649	0.3740	0.3691	0.3560	0.3695	0.3882	0.3331	0.3594	-----	0.364	3.01	0.994	0.999	4.4	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.1664	0.1693	0.1785	0.1771	0.1728	0.1796	0.1525	0.2329	-----	0.179	3.32	0.993	0.999	13	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.7811	0.7591	0.7792	0.7989	0.8320	0.8840	0.7825	0.7503	0.7620	0.792	3.64	0.997	0.999	5.3	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	0.4293	0.4410	0.4273	0.4439	0.4533	0.4756	0.4049	0.4219	-----	0.437	4.00	0.994	0.999	4.9	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	0.2728	0.2717	0.2777	0.2813	0.2916	0.3094	0.2733	0.2924	-----	0.284	3.65	0.996	0.999	4.6	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	0.7009	0.6817	0.6938	0.7244	0.7519	0.7986	0.7008	0.6951	-----	0.718	4.29	0.996	0.999	5.4	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,2-Dichloroethene	1	0	Avg	0.4432	0.4505	0.4428	0.4426	0.4567	0.4815	0.4231	0.5605	-----	0.463	4.41	0.996	0.999	9.3	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.2008	0.2063	0.2003	0.2003	0.2062	0.2130	0.1794	0.2036	-----	0.201	4.57	0.993	0.999	4.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2,2-Dichloropropane	1	0	Avg	0.4219	0.4198	0.4070	0.4190	0.4262	0.4537	0.3983	0.4047	-----	0.419	4.42	0.996	0.999	4.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.2845	0.2960	0.2946	0.2755	0.2873	0.2933	0.2485	0.2815	-----	0.283	4.43	0.993	0.999	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dioxane	1	0	Avg	0.0032	0.0033	0.0034	0.0031	0.0033	0.0034	0.0030	0.0032	-----	0.00331	5.50	0.997	1.00	3.8		1000.	250.0	500.0	2500.	5000.	12500	25000	50.00	
1,1-Dichloropropene	1	0	Avg	0.3708	0.3720	0.3747	0.3729	0.3831	0.3998	0.3442	0.3771	-----	0.374	4.82	0.994	0.999	4.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.5198	0.5359	0.5003	0.5174	0.5346	0.5591	0.4788	0.5012	-----	0.518	4.61	0.994	0.999	4.8	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethan	1	0	Avg	0.3509	0.3592	0.3451	0.3519	0.3530	0.3597	0.3120	0.3562	0.3529	0.349	4.70	-1	-1	4.2		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.2915	0.2986	0.2924	0.2890	0.2954	0.3110	0.2602	0.2692	-----	0.288	4.77	0.992	0.999	5.6	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	0.1531	0.1566	0.1555	0.1522	0.1531	0.1537	0.1320	0.1509	0.1465	0.150	4.91	-1	-1	5.0		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.4091	0.4285	0.4160	0.4200	0.4276	0.4630	0.4197	0.4082	0.4777	0.430	4.95	0.998	0.999	5.6	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	0.1195	0.1126	0.0926	0.1045	0.1100	0.1200	0.1052	0.1078	-----	0.109	4.42	0.996	0.999	8.1	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	0.4930	0.4815	0.4871	0.4982	0.5178	0.5376	0.4606	0.4305	-----	0.488	4.73	0.994	0.999	6.7	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.4303	0.4287	0.4222	0.4607	0.4714	0.5099	0.4439	0.4249	-----	0.449	4.83	0.995	0.999	6.8	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	0.8390	0.8095	0.8427	0.8769	0.8873	0.9468	0.8263	0.7262	-----	0.844	4.03	0.995	0.999	7.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethan	1	0	Avg	0.4062	0.3948	0.3944	0.4256	0.4348	0.4626	0.4211	0.4144	-----	0.419	5.57	0.998	0.999	5.4	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: 8.964

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_2

Level #	Data File:	Cal Identifier:	Analysis Date/Time	Level #	Data File:	Cal Identifier:	Analysis Date/Time
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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	0.3241	0.3184	0.3286	0.3342	0.3334	0.3544	0.3227	0.4412	-----	0.345	5.42	0.998	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.2675	0.2537	0.2747	0.2720	0.2820	0.2984	0.2824	0.2605	-----	0.274	5.50	0.999	1.00	5.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloropropane	1	0	Avg	0.2546	0.2409	0.2321	0.2549	0.2613	0.2696	0.2372	0.2943	-----	0.256	5.43	0.996	1.00	7.9	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.3442	0.3672	0.3308	0.3504	0.3510	0.3691	0.3248	0.4268	-----	0.358	5.30	0.996	0.999	8.9	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	1.0401	1.0500	1.0153	1.0415	1.0708	1.1592	1.0355	0.9772	0.9335	1.04	4.95	0.997	0.999	6.0	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	0.7585	0.7708	0.7597	0.7811	0.8072	0.8383	0.7925	0.6502	-----	0.770	4.99	0.999	1.00	7.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.5556	0.4995	0.5260	0.5795	0.6043	0.6247	0.5537	0.4177	-----	0.545	4.95	0.996	1.00	12	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.2436	0.1997	0.2429	0.2467	0.2570	0.2600	0.2385	0.2124	-----	0.238	5.45	0.998	1.00	8.8	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethan	1	0	Avg	0.3688	0.3330	0.3610	0.3938	0.4147	0.4328	0.4501	0.2748	-----	0.379	6.42	1.00	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylethe	1	0	Avg	0.0952	0.0920	0.1012	0.1112	0.1035	0.1024	0.0889	0.0682	-----	0.0954	5.71	0.995	1.00	14		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,3-Dichloropropen	1	0	Avg	0.4566	0.4645	0.4530	0.4797	0.4940	0.5057	0.4479	0.3493	-----	0.456	5.81	0.996	1.00	10	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	0.4512	0.4006	0.4360	0.4656	0.4893	0.5083	0.4956	0.3327	-----	0.447	6.09	1.00	1.00	13	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.2453	0.2410	0.2422	0.2666	0.2714	0.2761	0.2625	0.1719	-----	0.247	6.11	0.999	1.00	13	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	0.3049	0.2976	0.2928	0.2935	0.3045	0.3064	0.2891	0.2428	-----	0.292	6.20	0.999	1.00	7.1	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.3346	0.3156	0.3290	0.3375	0.3456	0.3480	0.3667	0.2546	-----	0.329	6.49	0.999	1.00	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	Avg	0.4800	0.4598	0.4584	0.4872	0.4902	0.5054	0.4574	0.3614	-----	0.463	6.29	0.998	1.00	9.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.2780	0.2562	0.2682	0.2816	0.2872	0.2899	0.2617	0.2053	-----	0.266	5.87	0.997	1.00	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Avg	0.2054	0.1853	0.2047	0.2092	0.2133	0.2143	0.1854	0.1934	-----	0.201	6.31	0.995	1.00	5.9	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.2975	0.3046	0.2929	0.3015	0.3087	0.3245	0.3032	0.2366	-----	0.296	6.29	0.999	1.00	8.7	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.1755	1.1669	1.1638	1.1833	1.1866	1.1404	1.0671	0.9909	1.1704	1.14	5.95	-1	-1	5.8		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	0.7220	0.7376	0.7512	0.7401	0.7594	0.7953	0.7867	0.6202	-----	0.739	5.99	1.00	1.00	7.3	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	0.3234	0.3153	0.3074	0.3317	0.3476	0.3740	0.3669	0.2829	-----	0.331	6.78	1.00	1.00	9.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	0.8866	0.8682	0.8733	0.8717	0.8918	0.9241	0.8968	0.8945	-----	0.888	6.75	1.00	1.00	2.0	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Avg	0.9491	0.7734	0.9432	0.9874	1.0349	0.9297	1.1746	1.0056	-----	0.975	6.99	0.990	0.998	12	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Avg	0.8766	0.6938	0.8575	0.9031	0.9283	1.0098	1.1602	0.8391	-----	0.909	7.11	0.996	1.00	15	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.5071	0.4221	0.4870	0.5276	0.5561	0.5904	0.7460	0.4534	-----	0.536	7.20	0.990	1.00	19	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.6529	0.6265	0.6687	0.6691	0.6515	0.5117	0.5906	0.8280	-----	0.650	6.79	0.995	0.996	14	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	0.6998	0.6328	0.7532	0.7104	0.7014	0.6461	0.7367	0.7975	-----	0.710	7.42	0.997	0.999	7.6	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8869	0.7975	0.8980	0.8698	0.8627	0.8580	1.1860	1.0233	0.9029	0.921	7.37	-1	-1	13		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	1.6475	1.4208	1.6365	1.6308	1.6738	1.7297	2.2337	1.7122	-----	1.71	7.07	0.988	1.00	14	0.30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	0.9760	0.8664	0.9896	0.9558	0.9992	0.7835	0.9735	1.1518	1.0337	0.970	6.85	0.991	0.996	11	0.10	40.00	10.00	20.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Avg	0.9540	0.8512	0.9719	0.9563	0.9683	0.9700	1.2874	1.1439	-----	1.01	7.07	0.986	0.999	13	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	Avg	0.2767	0.2417	0.2933	0.2765	0.2867	0.2569	0.2714	0.2862	-----	0.274	7.45	0.999	0.999	6.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichlorobenzene	1	0	Avg	1.1673	1.0623	1.1715	1.1863	1.1933	1.3820	1.3085	1.1451	-----	1.20	7.99	0.999	0.999	8.3	0.60	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dichlorobenzene	1	0	Avg	1.1761	1.2747	1.2109	1.1646	1.1875	1.1727	1.1236	1.3161	-----	1.20	8.04	1.00	1.00	5.2	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	Avg	1.0626	1.1499	1.0998	1.0662	1.1115	1.2451	1.1501	1.1081	-----	1.12	8.26	0.998	0.999	5.2	0.40	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.1265	1.9730	2.2989	2.1399	2.1391	2.2703	2.7276	2.6639	-----	2.29	7.26	0.993	1.00	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Qua	0.0412	0.0450	0.0443	0.0404	0.0375	0.0394	0.0339	0.0761	0.0325	0.0434	7.34	0.995	0.999	30		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	2.50
Camphene	1	0	Avg	0.5347	0.4698	0.5880	0.5585	0.5530	0.4878	0.5437	0.5952	-----	0.541	7.43	0.997	0.999	8.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichloropropane	1	0	Avg	0.8800	0.7537	0.9075	0.8821	0.8887	0.7625	0.8050	0.8222	-----	0.838	7.46	0.999	0.999	7.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.3088	1.1790	1.3341	1.2857	1.3465	1.3169	1.3093	1.3416	-----	1.30	7.56	1.00	1.00	4.1		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: 8.964

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.

3080829 0113

Method: EPA 8260D

Form 6
Initial Calibration

Instrument: GCMS_2

Level #	Data File	Cal Identifier	Analysis Date/Time	Level #	Data File	Cal Identifier	Analysis Date/Time
1	2M188190.D	CAL @ 20 PPB	08/07/23 17:53	2	2M188188.D	CAL @ 5 PPB	08/07/23 17:13
3	2M188189.D	CAL @ 10 PPB	08/07/23 17:33	4	2M188192.D	CAL @ 50 PPB	08/07/23 18:33
5	2M188194.D	CAL @ 100 PPB	08/07/23 19:14	6	2M188196.D	CAL @ 250 PPB	08/07/23 19:54
7	2M188199.D	CAL @ 500 PPB	08/07/23 20:54	8	2M188187.D	CAL @ 1 PPB	08/07/23 16:53
9	2M188186.D	CAL @ 0.5 PPB	08/07/23 16:32				

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	2.3370	2.0988	2.3743	2.3232	2.3363	2.2173	2.4574	2.3171	-----	2.31	7.55	0.998	1.00	4.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	Avg	1.3079	1.1865	1.2694	1.3510	1.3773	1.2881	1.2060	1.5608	-----	1.32	7.62	0.999	1.00	8.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	2.5323	2.5320	2.5513	2.4654	2.4748	2.1086	2.1180	2.6866	-----	2.43	7.49	0.999	0.999	8.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.3426	1.2898	1.4000	1.3470	1.3486	1.1359	1.1914	1.4117	-----	1.31	7.46	0.999	0.999	7.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzen	1	0	Avg	1.7379	1.5219	1.7512	1.7072	1.7152	1.7146	1.5485	1.6849	-----	1.67	7.58	0.997	1.00	5.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	0.6123	0.4493	0.6037	0.6292	0.6414	0.6208	0.6105	0.5151	-----	0.585	7.59	1.00	1.00	11	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	1.7129	1.6002	1.7313	1.7053	1.7408	1.9244	1.9658	2.0289	-----	1.80	7.78	0.999	1.00	8.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzen	1	0	Avg	1.7987	1.5765	1.7719	1.7789	1.8381	2.1348	2.0931	1.9989	-----	1.87	7.80	0.999	0.999	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.0297	1.8081	2.0914	1.9752	2.0290	2.4662	2.4872	2.1214	-----	2.13	7.90	0.999	0.999	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	1.7359	1.5976	1.8063	1.7421	1.7768	2.3578	2.3973	1.7403	-----	1.89	7.97	0.998	0.998	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	1.7321	1.9294	1.7713	1.6737	1.7574	2.1399	2.0724	2.0671	-----	1.89	8.21	0.999	0.999	9.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	1.0425	1.1226	1.0592	1.0218	1.0699	1.2727	1.2912	1.2009	-----	1.14	8.19	0.999	0.999	9.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylbe	1	0	Avg	1.3718	1.5073	1.4133	1.3751	1.4303	2.0014	-----	1.5226	-----	1.52	8.65	0.986	1.00	15		20.00	5.00	10.00	50.00	100.0	250.0		1.00	
1,2-Dibromo-3-Chloro	1	0	Avg	0.1762	0.1701	0.1724	0.1827	0.1915	0.2629	-----	0.1518	-----	0.187	8.71	0.988	1.00	19	0.05	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Camphor	1	0	Avg	0.0706	0.0705	0.0638	0.0755	0.0776	0.0856	-----	0.0518	0.0658	0.0702	9.14	0.998	1.00	14		200.0	50.00	100.0	500.0	1000.	2500.		10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.2617	0.2687	0.2564	0.2386	0.2418	0.2282	0.3322	0.2982	-----	0.266	9.28	0.977	0.998	13		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzen	1	0	Avg	0.4922	0.5519	0.5478	0.4963	0.5211	0.5120	0.7841	0.5887	-----	0.562	9.20	0.971	0.998	17	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	0.4207	0.4860	0.4859	0.4251	0.4280	0.3920	0.6067	0.5767	-----	0.478	9.50	0.970	0.997	16		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	1.4375	1.5995	1.5336	1.4415	1.5013	1.5060	2.1822	1.5458	-----	1.59	9.36	0.977	0.999	15		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: 8.964
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.

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188190.D Sam Mult : 1 Vial# : 5 Qt On : 08/07/23 20:15
Acq On : 08/07/23 17:53 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.087	96	148890	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.726	117	141381	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	79947	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	52251	38.00	ug/l	-0.01
Spiked Amount 30.000			Recovery = 126.67%			
39) 1,2-Dichloroethane-d4	4.898	67	22805	33.01	ug/l	-0.01
Spiked Amount 30.000			Recovery = 110.03%			
66) Toluene-d8	5.946	98	166197	29.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.60%			
76) Bromofluorobenzene	7.354	174	70908	30.30	ug/l	-0.01
Spiked Amount 30.000			Recovery = 101.00%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.685	51	29488	25.1109	ug/l	94
6) Dichlorodifluoromethane	1.666	85	26519	36.4911	ug/l	98
7) Chloromethane	1.837	50	18349	22.9879	ug/l	96
8) Bromomethane	2.240	94	18136	24.5990	ug/l	90
9) Vinyl Chloride	1.935	62	25992	24.1032	ug/l	95
10) Chloroethane	2.319	64	19167	25.5307	ug/l	95
11) Trichlorofluoromethane	2.544	101	57127	33.4646	ug/l	97
12) Ethyl ether	2.782	59	20988	22.1337	ug/l	95
13) Furan	2.819	39	34202	24.4492	ug/l	96
14) 1,1,2-Trichloro-1,2,2-...	2.977	101	24500	26.3406	ug/l	97
15) Methylene Chloride	3.392	84	27071	23.2571	ug/l	97
16) Acrolein	2.898	56	17060	126.5895	ug/l	86
17) Acrylonitrile	3.605	53	9678	23.3770	ug/l	97
18) Iodomethane	3.130	142	22508	16.3038	ug/l	93
19) Acetone	3.026	43	39499	138.9204	ug/l	99
20) Carbon Disulfide	3.197	76	46600	15.2549	ug/l	100
21) t-Butyl Alcohol	3.465	59	15315	139.1892	ug/l	94
22) n-Hexane	3.855	57	21046	25.0526	ug/l	96
23) Di-isopropyl-ether	4.014	45	59986	21.9702	ug/l	81
24) 1,1-Dichloroethene	2.989	61	36228	24.8862	ug/l	94
25) Methyl Acetate	3.300	43	16521	21.0590	ug/l	100
26) Methyl-t-butyl ether	3.623	73	77540	24.5108	ug/l	98
27) 1,1-Dichloroethane	3.983	63	42620	23.3848	ug/l	91
28) trans-1,2-Dichloroethene	3.630	96	27084	23.4103	ug/l	95
29) Ethyl-t-butyl ether	4.276	59	69575	23.1230	ug/l	96
30) cis-1,2-Dichloroethene	4.398	61	43993	24.7054	ug/l	97
31) Bromochloromethane	4.550	49	19933	24.7905	ug/l	91
32) 2,2-Dichloropropane	4.398	77	41886	29.9162	ug/l	99
33) Ethyl acetate	4.422	43	28239m	25.6903	ug/l	
34) 1,4-Dioxane	5.483	88	16353	1694.8061	ug/l	93
35) 1,1-Dichloropropene	4.812	75	36812	24.0931	ug/l	97
36) Chloroform	4.593	83	51599	25.5912	ug/l	97
38) Cyclohexane	4.757	56	28936	21.9824	ug/l	93
40) 1,2-Dichloroethane	4.940	62	40610	26.4167	ug/l	96
41) 2-Butanone	4.410	43	11867m	26.3719	ug/l	
42) 1,1,1-Trichloroethane	4.721	97	48940	27.9364	ug/l	91
43) Carbon Tetrachloride	4.818	117	42721	27.9923	ug/l	97
44) Vinyl Acetate	4.007	43	83283	28.1556	ug/l	100
45) Bromodichloromethane	5.556	83	40321	25.5504	ug/l	96
46) Methylcyclohexane	5.404	83	32179	23.4743	ug/l	93
47) Dibromomethane	5.489	174	26559	27.1339	ug/l	96
48) 1,2-Dichloropropane	5.416	63	25273	23.3684	ug/l	95
49) Trichloroethene	5.288	130	34172	24.7839	ug/l	97
50) Benzene	4.934	78	103244	23.1996	ug/l	100
51) tert-Amyl methyl ether	4.977	73	75293	23.6323	ug/l	99
53) Iso-propylacetate	4.934	43	52374	23.5094	ug/l	98
54) Methyl methacrylate	5.446	41	22966	21.5204	ug/l	92
55) Dibromochloromethane	6.410	129	34769	22.9726	ug/l	91
56) 2-Chloroethylvinylether	5.696	63	8980	16.1082	ug/l	90
57) cis-1,3-Dichloropropene	5.794	75	43037	21.3175	ug/l	97
58) trans-1,3-Dichloropropene	6.080	75	42535	22.7170	ug/l	99
59) Ethyl methacrylate	6.105	41	23123	23.2710	ug/l	89
60) 1,1,2-Trichloroethane	6.190	97	28746	22.6426	ug/l	97
61) 1,2-Dibromoethane	6.489	107	31543	22.9516	ug/l	94
62) 1,3-Dichloropropane	6.281	76	45245	21.7400	ug/l	99
63) 4-Methyl-2-Pentanone	5.861	43	26204	24.1414	ug/l	96
64) 2-Hexanone	6.294	43	19360	24.2247	ug/l	94
65) Tetrachloroethene	6.281	164	28049	24.1427	ug/l	92
67) Toluene	5.983	92	68056	20.8547	ug/l	94

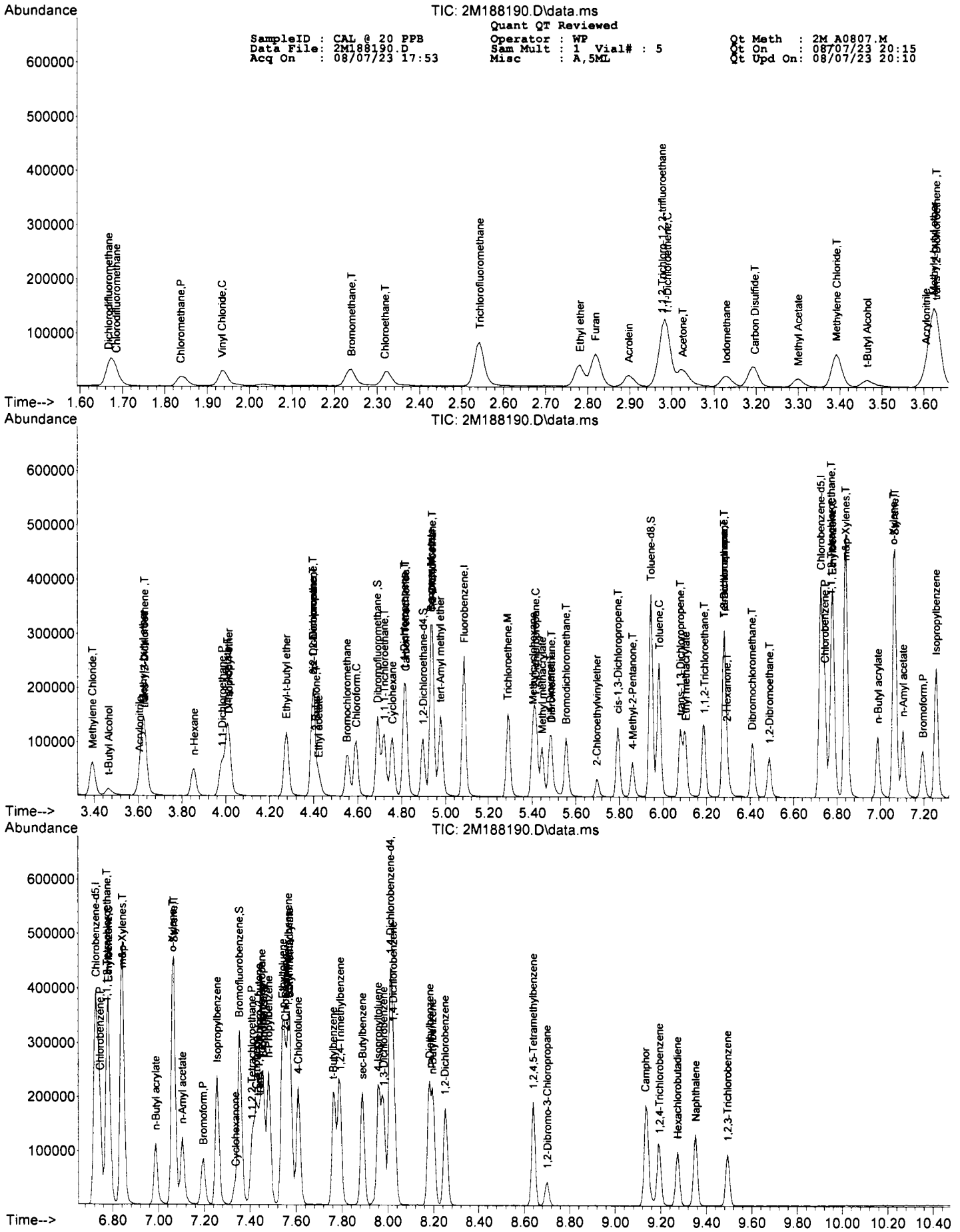
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188190.D Sam Mult : 1 Vial# : 5 Qt On : 08/07/23 20:15
Acq On : 08/07/23 17:53 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,1,1,2-Tetrachloroethane	6.775	133	30489	23.6728	ug/l	98
69) Chlorobenzene	6.745	112	83573	22.3720	ug/l	99
71) n-Butyl acrylate	6.989	55	50588	19.9572	ug/l	98
72) n-Amyl acetate	7.104	43	46726	23.2772	ug/l	99
73) Bromoform	7.196	173	27031	21.5046	ug/l	99
74) Ethylbenzene	6.781	106	34798	19.0116	ug/l	96
75) 1,1,2,2-Tetrachloroethane	7.409	83	37300	20.2554	ug/l	99
77) Styrene	7.068	104	87811	19.8315	ug/l	98
78) m&p-Xylenes	6.842	106	104045	39.7645	ug/l	97
79) o-Xylene	7.062	106	50847	19.4352	ug/l	97
80) trans-1,4-Dichloro-2-b...	7.440	53	14748	25.5919	ug/l	93
81) 1,3-Dichlorobenzene	7.982	146	62216	21.9348	ug/l	98
82) 1,4-Dichlorobenzene	8.025	146	62685	22.0316	ug/l	97
83) 1,2-Dichlorobenzene	8.251	146	56639	21.5532	ug/l	98
84) Isopropylbenzene	7.257	105	113343	19.5755	ug/l	99
85) Cyclohexanone	7.336	55	10979	179.5954	ug/l	99
86) Camphene	7.428	93	28499	19.1199	ug/l	89
87) 1,2,3-Trichloropropane	7.452	75	46904	21.1814	ug/l	97
88) 2-Chlorotoluene	7.556	91	69758	19.8423	ug/l	95
89) p-Ethyltoluene	7.543	105	124558	22.0352	ug/l	100
90) 4-Chlorotoluene	7.611	91	69711	19.9191	ug/l	94
91) n-Propylbenzene	7.482	91	134970	20.9048	ug/l	100
92) Bromobenzene	7.458	77	71561	19.7148	ug/l	90
93) 1,3,5-Trimethylbenzene	7.568	105	92629	21.5496	ug/l	100
94) Butyl methacrylate	7.574	41	32636	24.8439	ug/l	98
95) t-Butylbenzene	7.763	119	91294	21.0391	ug/l	99
96) 1,2,4-Trimethylbenzene	7.793	105	95869	20.5854	ug/l	99
97) sec-Butylbenzene	7.891	105	108179	21.7026	ug/l	98
98) 4-Isopropyltoluene	7.958	119	92523	21.2892	ug/l	99
99) n-Butylbenzene	8.196	91	92321	22.8056	ug/l	98
100) p-Diethylbenzene	8.184	119	55568	23.5263	ug/l	97
101) 1,2,4,5-Tetramethylben...	8.641	119	73118	24.0447	ug/l	97
102) 1,2-Dibromo-3-Chloropr...	8.702	157	9396	22.6729	ug/l	99
103) Camphor	9.135	95	37643	233.8070	ug/l	99
104) Hexachlorobutadiene	9.275	225	13949	27.0354	ug/l	99
105) 1,2,4-Trichlorobenzene	9.196	180	26234	23.0514	ug/l	98
106) 1,2,3-Trichlorobenzene	9.494	180	22425	23.9102	ug/l	98
107) Naphthalene	9.354	128	76616	22.6157	ug/l	100

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


Abundance
TIC: 2M188190.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M188190.D
Acq On : 08/07/23 17:53
Operator : WP
Sam Mult : 1 Vial# : 5
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/07/23 20:15
Qt Upd On: 08/07/23 20:10
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188188.D Sam Mult : 1 Vial# : 3 Qt On : 08/07/23 20:19
Acq On : 08/07/23 17:13 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.087	96	150515	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.727	117	147255	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	87850	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	54070	38.90	ug/l	-0.01
Spiked Amount 30.000			Recovery = 129.67%			
39) 1,2-Dichloroethane-d4	4.898	67	23582	33.77	ug/l	-0.01
Spiked Amount 30.000			Recovery = 112.57%			
66) Toluene-d8	5.946	98	171839	29.06	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.87%			
76) Bromofluorobenzene	7.354	174	70065	27.24	ug/l	-0.01
Spiked Amount 30.000			Recovery = 90.80%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.679	51	7200	6.0651	ug/l	92
6) Dichlorodifluoromethane	1.666	85	6295	8.5686	ug/l	93
7) Chloromethane	1.837	50	4846	6.0056	ug/l	88
8) Bromomethane	2.233	94	5643	7.5713	ug/l	89
9) Vinyl Chloride	1.935	62	6498	5.9607	ug/l	96
10) Chloroethane	2.325	64	5208	6.8622	ug/l	99
11) Trichlorofluoromethane	2.544	101	14695	8.5153	ug/l	93
12) Ethyl ether	2.782	59	5715	5.9619	ug/l	96
13) Furan	2.819	39	8649	6.1160	ug/l	91
14) 1,1,2-Trichloro-1,2,2-...	2.977	101	5878	6.2514	ug/l	92
15) Methylene Chloride	3.392	84	7296	6.2004	ug/l	95
16) Acrolein	2.904	56	4050	29.7276	ug/l	92
17) Acrylonitrile	3.605	53	2390	5.7107	ug/l	94
18) Iodomethane	3.123	142	3739	2.6791	ug/l	97
19) Acetone	3.032	43	10806	37.5951	ug/l	97
20) Carbon Disulfide	3.191	76	11494	3.7220	ug/l	100
21) t-Butyl Alcohol	3.465	59	3852	34.6306	ug/l	94
22) n-Hexane	3.855	57	5517	6.4964	ug/l	94
23) Di-isopropyl-ether	4.014	45	15313	5.5479	ug/l	97
24) 1,1-Dichloroethene	2.983	61	9384	6.3766	ug/l	88
25) Methyl Acetate	3.300	43	4249	5.3577	ug/l	100
26) Methyl-t-butyl ether	3.623	73	19044	5.9549	ug/l	98
27) 1,1-Dichloroethane	3.977	63	11063	6.0045	ug/l	99
28) trans-1,2-Dichloroethene	3.630	96	6818	5.8296	ug/l	94
29) Ethyl-t-butyl ether	4.276	59	17102	5.6224	ug/l	93
30) cis-1,2-Dichloroethene	4.398	61	11303	6.2790	ug/l	93
31) Bromochloromethane	4.550	49	5176	6.3679	ug/l	98
32) 2,2-Dichloropropane	4.398	77	10531	7.4403	ug/l	90
33) Ethyl acetate	4.422	43	7427m	6.6837	ug/l	
34) 1,4-Dioxane	5.483	88	4243	434.9921	ug/l	85
35) 1,1-Dichloropropene	4.812	75	9333	6.0424	ug/l	97
36) Chloroform	4.593	83	13444	6.5957	ug/l	96
38) Cyclohexane	4.757	56	7491	5.6294	ug/l	97
40) 1,2-Dichloroethane	4.940	62	10750	6.9174	ug/l	98
41) 2-Butanone	4.410	43	2827m	6.2146	ug/l	
42) 1,1,1-Trichloroethane	4.721	97	12081	6.8217	ug/l	93
43) Carbon Tetrachloride	4.818	117	10755	6.9710	ug/l	99
44) Vinyl Acetate	4.001	43	20309	6.7918	ug/l	100
45) Bromodichloromethane	5.556	83	9906	6.2094	ug/l	94
46) Methylcyclohexane	5.404	83	7988	5.7643	ug/l	94
47) Dibromomethane	5.489	174	6365	6.4326	ug/l	95
48) 1,2-Dichloropropane	5.416	63	6045	5.5291	ug/l	84
49) Trichloroethene	5.288	130	9212	6.6090	ug/l	88
50) Benzene	4.934	78	26342	5.8553	ug/l	100
51) tert-Amyl methyl ether	4.977	73	19338	6.0041	ug/l	100
53) Iso-propylacetate	4.934	43	12261	5.2841	ug/l	99
54) Methyl methacrylate	5.446	41	4903	4.4111	ug/l	78
55) Dibromochloromethane	6.410	129	8174	5.1853	ug/l	98
56) 2-Chloroethylvinylether	5.696	63	2259	3.8905	ug/l	95
57) cis-1,3-Dichloropropene	5.794	75	11402	5.4225	ug/l	95
58) trans-1,3-Dichloropropene	6.080	75	9834	5.0426	ug/l	99
59) Ethyl methacrylate	6.105	41	5915	5.7154	ug/l	96
60) 1,1,2-Trichloroethane	6.190	97	7305	5.5245	ug/l	97
61) 1,2-Dibromoethane	6.489	107	7747	5.4121	ug/l	92
62) 1,3-Dichloropropane	6.281	76	11285	5.2061	ug/l	97
63) 4-Methyl-2-Pentanone	5.861	43	6290	5.5637	ug/l	99
64) 2-Hexanone	6.294	43	4549	5.4650	ug/l	96
65) Tetrachloroethene	6.281	164	7476	6.1782	ug/l	96
67) Toluene	5.983	92	18104	5.3264	ug/l	99

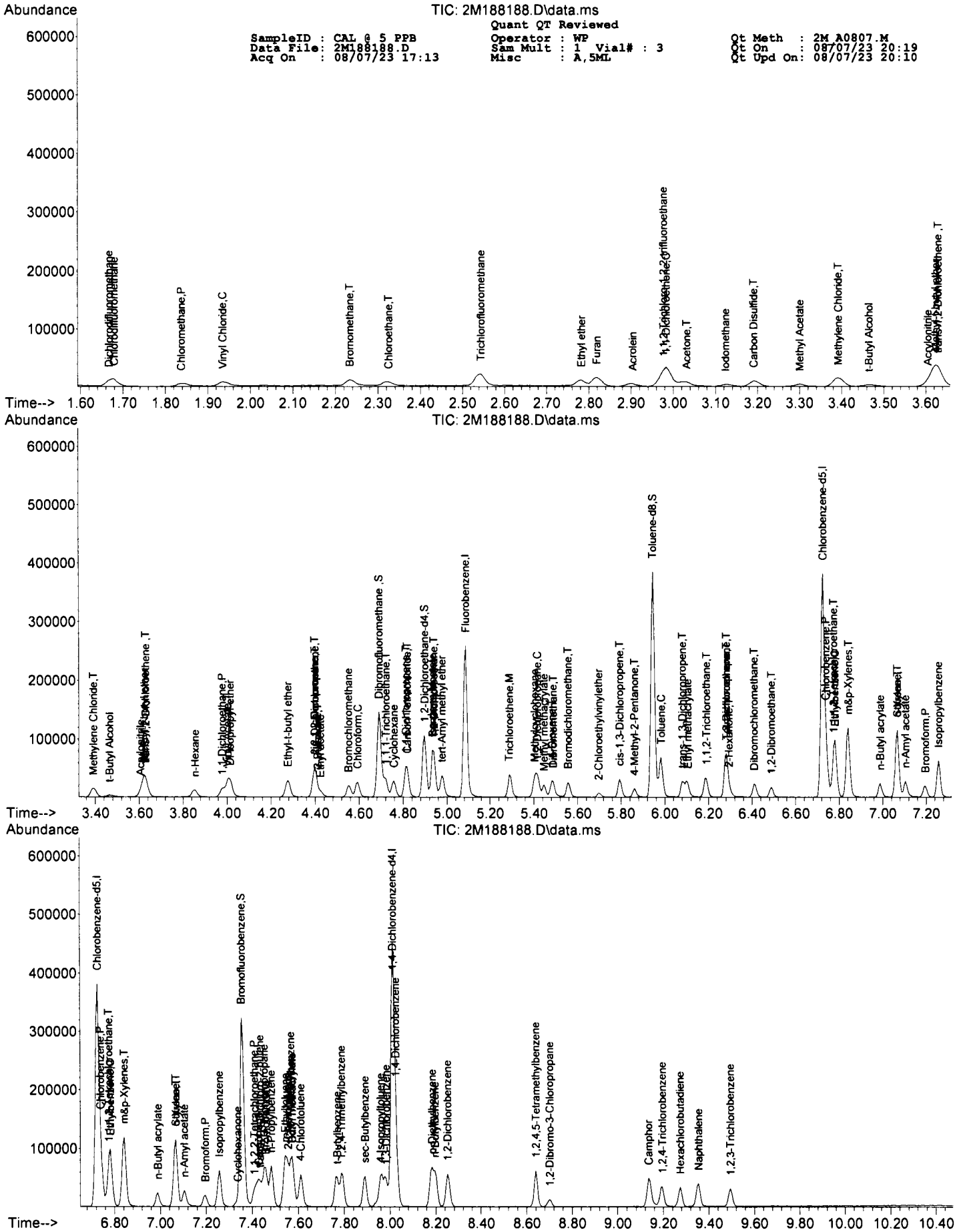
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188188.D Sam Mult : 1 Vial# : 3 Qt On : 08/07/23 20:19
Acq On : 08/07/23 17:13 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.775	133	7739	5.7691	ug/l	98
69)	Chlorobenzene	6.739	112	21310	5.4770	ug/l	96
71)	n-Butyl acrylate	6.989	55	11324	4.0655	ug/l	95
72)	n-Amyl acetate	7.104	43	10159	4.6056	ug/l	97
73)	Bromoform	7.196	173	6181	4.4750	ug/l	98
74)	Ethylbenzene	6.781	106	9174	4.5612	ug/l	95
75)	1,1,2,2-Tetrachloroethane	7.409	83	9266	4.5792	ug/l	99
77)	Styrene	7.068	104	20804	4.2758	ug/l	95
78)	m&p-Xylenes	6.842	106	25371	8.8241	ug/l	91
79)	o-Xylene	7.068	106	12463	4.3352	ug/l	86
80)	trans-1,4-Dichloro-2-b...	7.434	53	3540	5.5903	ug/l	89
81)	1,3-Dichlorobenzene	7.982	146	15554	4.9904	ug/l	96
82)	1,4-Dichlorobenzene	8.025	146	18665	5.9700	ug/l	97
83)	1,2-Dichlorobenzene	8.251	146	16837	5.8307	ug/l	96
84)	Isopropylbenzene	7.257	105	28889	4.5406	ug/l	98
85)	Cyclohexanone	7.336	55	3300	49.1255	ug/l	87
86)	Camphene	7.428	93	6880	4.2005	ug/l	92
87)	1,2,3-Trichloropropane	7.452	75	11036	4.5354	ug/l	92
88)	2-Chlorotoluene	7.556	91	17263	4.4686	ug/l	96
89)	p-Ethyltoluene	7.543	105	30730	4.9473	ug/l	96
90)	4-Chlorotoluene	7.611	91	17373	4.5176	ug/l	93
91)	n-Propylbenzene	7.482	91	37073	5.2255	ug/l	100
92)	Bromobenzene	7.458	77	18885	4.7347	ug/l	91
93)	1,3,5-Trimethylbenzene	7.568	105	22284	4.7179	ug/l	97
94)	Butyl methacrylate	7.574	41	6579	4.5577	ug/l	88
95)	t-Butylbenzene	7.769	119	23430	4.9138	ug/l	96
96)	1,2,4-Trimethylbenzene	7.787	105	23083	4.5106	ug/l	97
97)	sec-Butylbenzene	7.891	105	26474	4.8334	ug/l	95
98)	4-Isopropyltoluene	7.958	119	23392	4.8982	ug/l	98
99)	n-Butylbenzene	8.196	91	28251	6.3509	ug/l	96
100)	p-Diethylbenzene	8.184	119	16438	6.3334	ug/l	98
101)	1,2,4,5-Tetramethylben...	8.641	119	22070	6.6048	ug/l	96
102)	1,2-Dibromo-3-Chloropr...	8.702	157	2491	5.4701	ug/l	95
103)	Camphor	9.135	95	10330	58.3894	ug/l	97
104)	Hexachlorobutadiene	9.275	225	3935	6.9406	ug/l	91
105)	1,2,4-Trichlorobenzene	9.196	180	8082	6.4627	ug/l	96
106)	1,2,3-Trichlorobenzene	9.494	180	7117	6.9057	ug/l	99
107)	Naphthalene	9.354	128	23420	6.2913	ug/l	100

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


Abundance
TIC: 2M188188.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 2M188188.D
Acq On : 08/07/23 17:13
Operator : WP
Sam Mult : 1 Vial# : 3
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/07/23 20:19
Qt Upd On: 08/07/23 20:10
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Time-->

Abundance
TIC: 2M188188.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
m&p-Xylenes,T
Time-->

Abundance
TIC: 2M188188.D\data.ms
Chlorobenzene-d5,I
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
m&p-Xylenes,T
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188189.D Sam Mult : 1 Vial# : 4 Qt On : 08/07/23 20:17
Acq On : 08/07/23 17:33 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration \

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.086	96	151496	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.726	117	145459	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	79084	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	52295	37.38	ug/l	-0.01
Spiked Amount 30.000			Recovery = 124.60%			
39) 1,2-Dichloroethane-d4	4.898	67	23562	33.52	ug/l	-0.01
Spiked Amount 30.000			Recovery = 111.73%			
66) Toluene-d8	5.946	98	169296	28.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.63%			
76) Bromofluorobenzene	7.360	174	71023	30.68	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.27%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.679	51	15374	12.8667	ug/l	83
6) Dichlorodifluoromethane	1.672	85	12295	16.6273	ug/l	98
7) Chloromethane	1.837	50	9515	11.7155	ug/l	87
8) Bromomethane	2.233	94	10064	13.4156	ug/l	94
9) Vinyl Chloride	1.935	62	12642	11.5217	ug/l	89
10) Chloroethane	2.325	64	9776	12.7977	ug/l	97
11) Trichlorofluoromethane	2.544	101	29648	17.0688	ug/l	97
12) Ethyl ether	2.782	59	10909	11.3066	ug/l	93
13) Furan	2.819	39	17001	11.9441	ug/l	94
14) 1,1,2-Trichloro-1,2,2-...	2.977	101	12350	13.0494	ug/l	98
15) Methylene Chloride	3.392	84	13618	11.4982	ug/l	97
16) Acrolein	2.898	56	9482	69.1485	ug/l	90
17) Acrylonitrile	3.605	53	4945	11.7391	ug/l	95
18) Iodomethane	3.130	142	8764	6.2391	ug/l	97
19) Acetone	3.026	43	20757	71.7479	ug/l	98
20) Carbon Disulfide	3.190	76	23617	7.5983	ug/l	100
21) t-Butyl Alcohol	3.465	59	7680	68.5984	ug/l	89
22) n-Hexane	3.849	57	10629	12.4348	ug/l	92
23) Di-isopropyl-ether	4.014	45	30959	11.1439	ug/l	89
24) 1,1-Dichloroethene	2.983	61	18639	12.5835	ug/l	94
25) Methyl Acetate	3.300	43	9016	11.2948	ug/l	100
26) Methyl-t-butyl ether	3.623	73	39351	12.2251	ug/l	98
27) 1,1-Dichloroethane	3.983	63	21578	11.6358	ug/l	92
28) trans-1,2-Dichloroethene	3.629	96	14028	11.9167	ug/l	96
29) Ethyl-t-butyl ether	4.276	59	35036	11.4438	ug/l	96
30) cis-1,2-Dichloroethene	4.398	61	22365	12.3436	ug/l	95
31) Bromochloromethane	4.550	49	10115	12.3635	ug/l	90
32) 2,2-Dichloropropane	4.398	77	20554	14.4277	ug/l	94
33) Ethyl acetate	4.422	43	14877m	13.3015	ug/l	
34) 1,4-Dioxane	5.483	88	8736m	889.8147	ug/l	
35) 1,1-Dichloropropene	4.812	75	18922	12.1712	ug/l	99
36) Chloroform	4.593	83	25268	12.3164	ug/l	99
38) Cyclohexane	4.757	56	14769	11.0268	ug/l	91
40) 1,2-Dichloroethane	4.940	62	21011	13.4325	ug/l	98
41) 2-Butanone	4.398	43	4676m	10.2127	ug/l	
42) 1,1,1-Trichloroethane	4.721	97	24598	13.7997	ug/l	88
43) Carbon Tetrachloride	4.818	117	21321	13.7300	ug/l	94
44) Vinyl Acetate	4.007	43	42556	14.1395	ug/l	100
45) Bromodichloromethane	5.556	83	19917	12.4038	ug/l	96
46) Methylcyclohexane	5.404	83	16595	11.8977	ug/l	96
47) Dibromomethane	5.489	174	13875	13.9315	ug/l	99
48) 1,2-Dichloropropane	5.416	63	11722	10.6522	ug/l	93
49) Trichloroethene	5.288	130	16708	11.9093	ug/l	97
50) Benzene	4.940	78	51273	11.3232	ug/l	100
51) tert-Amyl methyl ether	4.977	73	38365	11.8345	ug/l	99
53) Iso-propylacetate	4.934	43	25508	11.1289	ug/l	96
54) Methyl methacrylate	5.446	41	11778	10.7272	ug/l	93
55) Dibromochloromethane	6.409	129	17506	11.2423	ug/l	98
56) 2-Chloroethylvinylether	5.702	63	4908	8.5571	ug/l	89
57) cis-1,3-Dichloropropene	5.794	75	21968	10.5764	ug/l	96
58) trans-1,3-Dichloropropene	6.080	75	21142	10.9749	ug/l	96
59) Ethyl methacrylate	6.105	41	11745	11.4888	ug/l	97
60) 1,1,2-Trichloroethane	6.190	97	14200	10.8715	ug/l	98
61) 1,2-Dibromoethane	6.489	107	15956	11.2845	ug/l	96
62) 1,3-Dichloropropane	6.281	76	22226	10.3801	ug/l	98
63) 4-Methyl-2-Pentanone	5.861	43	13004	11.6446	ug/l	92
64) 2-Hexanone	6.294	43	9926	12.0720	ug/l	96
65) Tetrachloroethene	6.281	164	14203	11.8823	ug/l	98
67) Toluene	5.983	92	36423	10.8483	ug/l	96

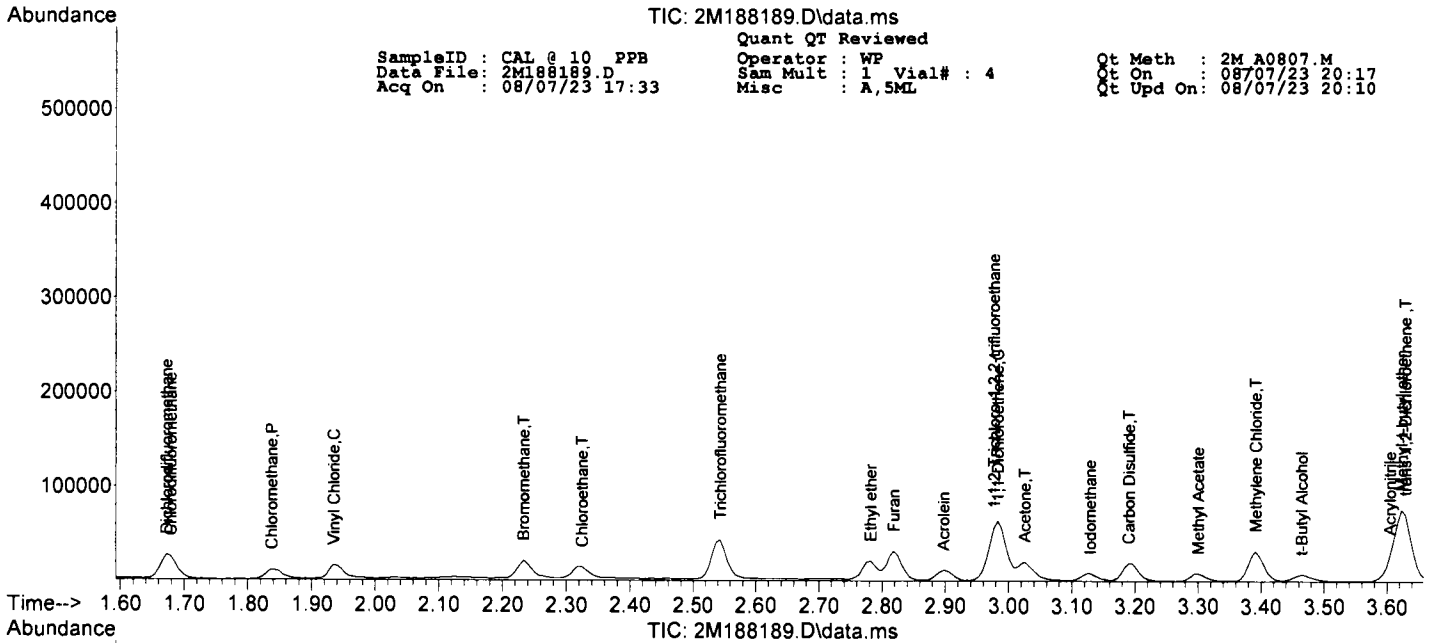
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188189.D Sam Mult : 1 Vial# : 4 Qt On : 08/07/23 20:17
Acq On : 08/07/23 17:33 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.775	133	14908	11.2506	ug/l	100
69)	Chlorobenzene	6.745	112	42346	11.0180	ug/l	97
71)	n-Butyl acrylate	6.989	55	24864	9.9160	ug/l	97
72)	n-Amyl acetate	7.104	43	22607	11.3849	ug/l	99
73)	Bromoform	7.196	173	12840	10.3264	ug/l	93
74)	Ethylbenzene	6.781	106	17629	9.7366	ug/l	94
75)	1,1,2,2-Tetrachloroethane	7.409	83	19856	10.9003	ug/l	92
77)	Styrene	7.068	104	43141	9.8494	ug/l	98
78)	m&p-Xylenes	6.842	106	52176	20.1585	ug/l	97
79)	o-Xylene	7.062	106	25621	9.9000	ug/l	87
80)	trans-1,4-Dichloro-2-b...	7.434	53	7733	13.5654	ug/l	84
81)	1,3-Dichlorobenzene	7.982	146	30884	11.0072	ug/l	97
82)	1,4-Dichlorobenzene	8.031	146	31922	11.3419	ug/l	99
83)	1,2-Dichlorobenzene	8.251	146	28993	11.1533	ug/l	98
84)	Isopropylbenzene	7.257	105	60603	10.5810	ug/l	98
85)	Cyclohexanone	7.336	55	5839	96.5571	ug/l	98
86)	Camphene	7.428	93	15501	10.5130	ug/l	99
87)	1,2,3-Trichloropropane	7.452	75	23923	10.9213	ug/l	95
88)	2-Chlorotoluene	7.556	91	35171	10.1134	ug/l	93
89)	p-Ethyltoluene	7.543	105	62590	11.1935	ug/l	99
90)	4-Chlorotoluene	7.610	91	33463	9.6660	ug/l	95
91)	n-Propylbenzene	7.482	91	67256	10.5306	ug/l	99
92)	Bromobenzene	7.458	77	36906	10.2784	ug/l	91
93)	1,3,5-Trimethylbenzene	7.568	105	46165	10.8572	ug/l	99
94)	Butyl methacrylate	7.574	41	15915	12.2474	ug/l	99
95)	t-Butylbenzene	7.769	119	45640	10.6327	ug/l	98
96)	1,2,4-Trimethylbenzene	7.793	105	46711	10.1395	ug/l	98
97)	sec-Butylbenzene	7.891	105	55134	11.1815	ug/l	99
98)	4-Isopropyltoluene	7.964	119	47618	11.0763	ug/l	98
99)	n-Butylbenzene	8.196	91	46694	11.6605	ug/l	97
100)	p-Diethylbenzene	8.184	119	27922	11.9506	ug/l	98
101)	1,2,4,5-Tetramethylben...	8.641	119	37258	12.3859	ug/l	94
102)	1,2-Dibromo-3-Chloropr...	8.702	157	4546	11.0894	ug/l	97
103)	Camphor	9.135	95	16842	105.7500	ug/l	96
104)	Hexachlorobutadiene	9.275	225	6760	13.2450	ug/l	94
105)	1,2,4-Trichlorobenzene	9.195	180	14443	12.8293	ug/l	94
106)	1,2,3-Trichlorobenzene	9.494	180	12810	13.8075	ug/l	98
107)	Naphthalene	9.354	128	40429	12.0642	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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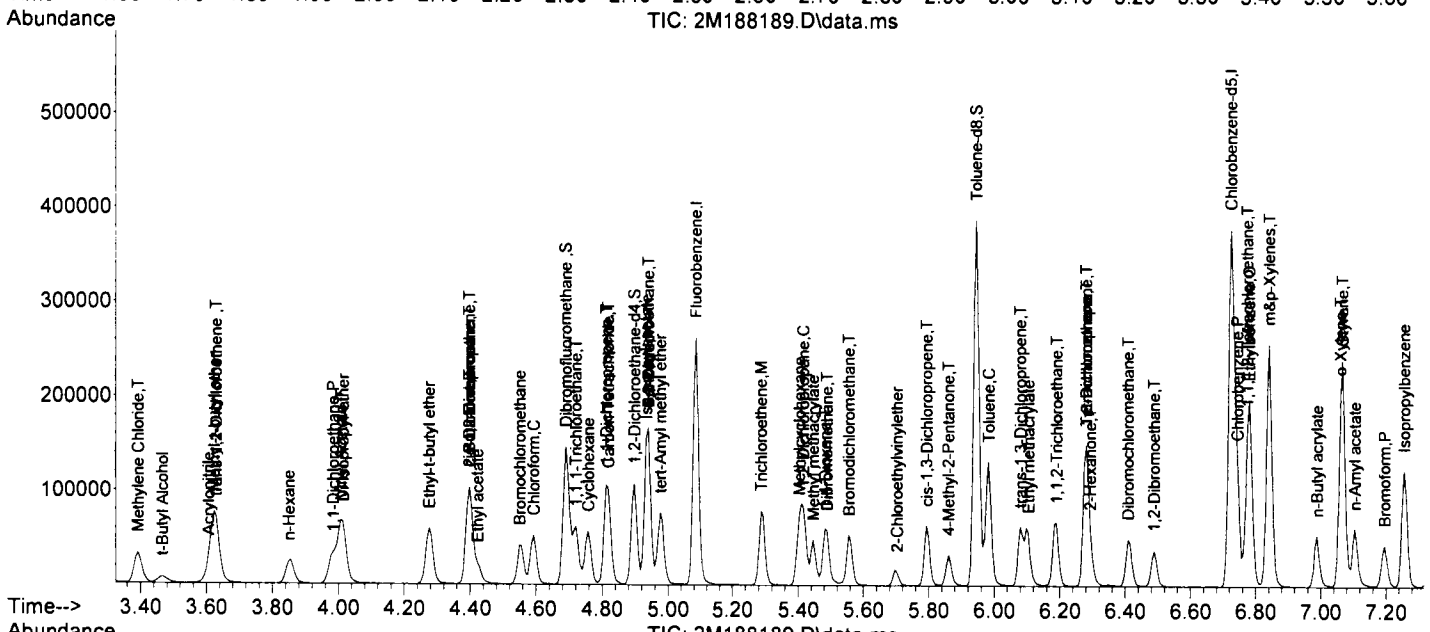
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 2M188189.D
Acq On : 08/07/23 17:33
Operator : WP
Sam Mult : 1 Vial# : 4
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/07/23 20:17
Qt Upd On: 08/07/23 20:10
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Time-->


Abundance
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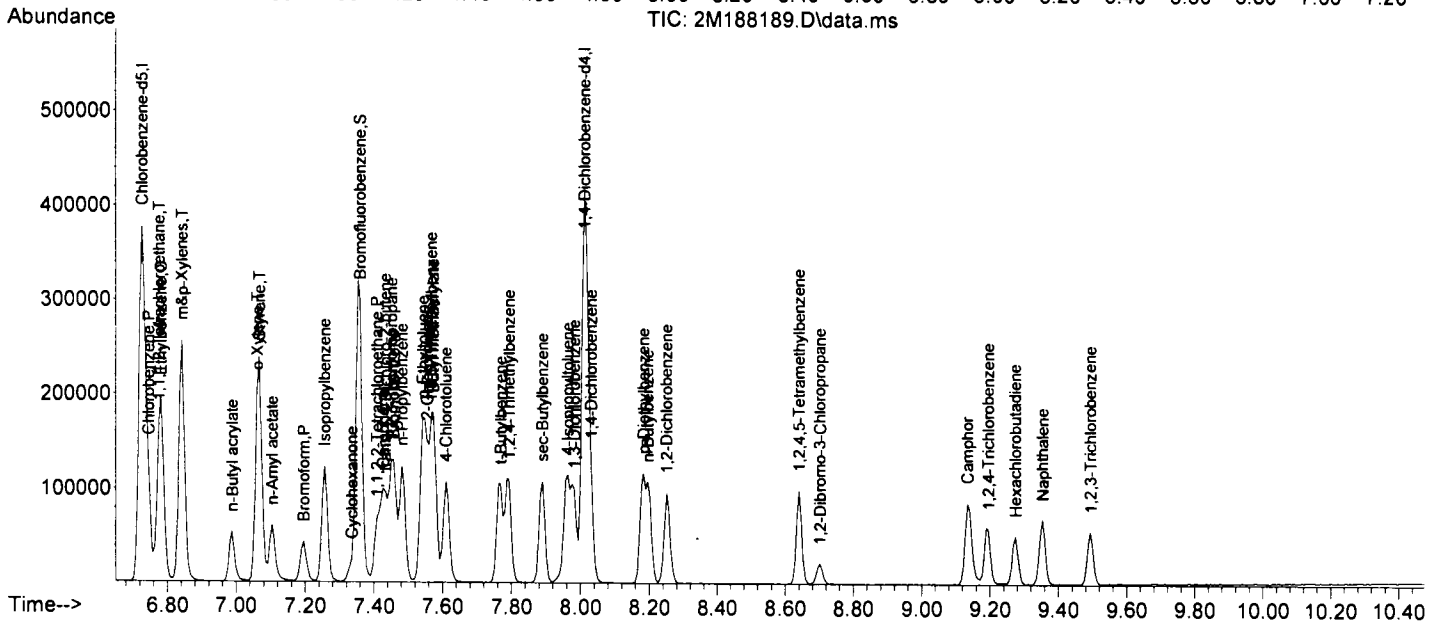
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 2M188189.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188192.D Sam Mult : 1 Vial# : 7 Qt On : 08/07/23 20:14
Acq On : 08/07/23 18:33 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.087	96	150995	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.727	117	144635	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	83609	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	53143	38.11	ug/l	-0.01
Spiked Amount 30.000			Recovery = 127.03%			
39) 1,2-Dichloroethane-d4	4.898	67	22983	32.80	ug/l	-0.01
Spiked Amount 30.000			Recovery = 109.33%			
66) Toluene-d8	5.946	98	171158	29.47	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.23%			
76) Bromofluorobenzene	7.361	174	72731	29.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.03%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.679	51	75058	63.0255	ug/l	91
6) Dichlorodifluoromethane	1.667	85	65553	88.9457	ug/l	99
7) Chloromethane	1.837	50	45358	56.0330	ug/l	100
8) Bromomethane	2.233	94	42946	57.4384	ug/l	96
9) Vinyl Chloride	1.935	62	64076	58.5913	ug/l	93
10) Chloroethane	2.319	64	46642	61.2616	ug/l	97
11) Trichlorofluoromethane	2.538	101	145427	84.0024	ug/l	98
12) Ethyl ether	2.782	59	53216	55.3387	ug/l	93
13) Furan	2.819	39	83235	58.6708	ug/l	90
14) 1,1,2-Trichloro-1,2,2-...	2.977	101	62141	65.8781	ug/l	99
15) Methylene Chloride	3.392	84	67821	57.4537	ug/l	93
16) Acrolein	2.898	56	44908	328.5831	ug/l	97
17) Acrylonitrile	3.599	53	25273	60.1954	ug/l	92
18) Iodomethane	3.130	142	76725	54.8016	ug/l	98
19) Acetone	3.026	43	101455	351.8491	ug/l	97
20) Carbon Disulfide	3.191	76	118206	38.1564	ug/l	100
21) t-Butyl Alcohol	3.465	59	38571	345.6625	ug/l	97
22) n-Hexane	3.855	57	53774	63.1187	ug/l	94
23) Di-isopropyl-ether	4.014	45	159927	57.7577	ug/l	86
24) 1,1-Dichloroethene	2.989	61	89596	60.6884	ug/l	98
25) Methyl Acetate	3.294	43	44586	56.0407	ug/l	100
26) Methyl-t-butyl ether	3.617	73	201059	62.6699	ug/l	97
27) 1,1-Dichloroethane	3.983	63	111734	60.4517	ug/l	99
28) trans-1,2-Dichloroethene	3.630	96	70801	60.3445	ug/l	92
29) Ethyl-t-butyl ether	4.276	59	182312	59.7461	ug/l	97
30) cis-1,2-Dichloroethene	4.398	61	111392	61.6830	ug/l	97
31) Bromochloromethane	4.550	49	50419	61.8315	ug/l	92
32) 2,2-Dichloropropane	4.398	77	105458	74.2711	ug/l	97
33) Ethyl acetate	4.422	43	69345m	62.2069	ug/l	
34) 1,4-Dioxane	5.483	88	39995	4087.2505	ug/l	89
35) 1,1-Dichloropropene	4.812	75	93859	60.5734	ug/l	98
36) Chloroform	4.593	83	130214	63.6809	ug/l	98
38) Cyclohexane	4.757	56	72746	54.4939	ug/l	89
40) 1,2-Dichloroethane	4.940	62	105698	67.7978	ug/l	98
41) 2-Butanone	4.398	43	26320m	57.6752	ug/l	
42) 1,1,1-Trichloroethane	4.721	97	125382	70.5740	ug/l	98
43) Carbon Tetrachloride	4.818	117	115945	74.9122	ug/l	96
44) Vinyl Acetate	4.008	43	220703	73.5732	ug/l	100
45) Bromodichloromethane	5.556	83	107122	66.9341	ug/l	100
46) Methylcyclohexane	5.404	83	84123	60.5116	ug/l	93
47) Dibromomethane	5.489	174	68457	68.9639	ug/l	98
48) 1,2-Dichloropropane	5.416	63	64154	58.4923	ug/l	98
49) Trichloroethene	5.288	130	88201	63.0776	ug/l	99
50) Benzene	4.934	78	262105	58.0756	ug/l	100
51) tert-Amyl methyl ether	4.977	73	196582	60.8412	ug/l	98
53) Iso-propylacetate	4.934	43	139713	61.3028	ug/l	98
54) Methyl methacrylate	5.446	41	59488	54.4894	ug/l	87
55) Dibromochloromethane	6.410	129	94929	61.3104	ug/l	99
56) 2-Chloroethylvinylether	5.696	63	26819	47.0252	ug/l	95
57) cis-1,3-Dichloropropene	5.794	75	115651	55.9967	ug/l	99
58) trans-1,3-Dichloropropene	6.080	75	112257	58.6051	ug/l	97
59) Ethyl methacrylate	6.099	41	64265	63.2212	ug/l	95
60) 1,1,2-Trichloroethane	6.184	97	70773	54.4922	ug/l	96
61) 1,2-Dibromoethane	6.489	107	81379	57.8815	ug/l	99
62) 1,3-Dichloropropane	6.282	76	117458	55.1684	ug/l	98
63) 4-Methyl-2-Pentanone	5.861	43	67900	61.1481	ug/l	98
64) 2-Hexanone	6.294	43	50442	61.6969	ug/l	99
65) Tetrachloroethene	6.282	164	72689	61.1582	ug/l	96
67) Toluene	5.983	92	178421	53.4442	ug/l	97

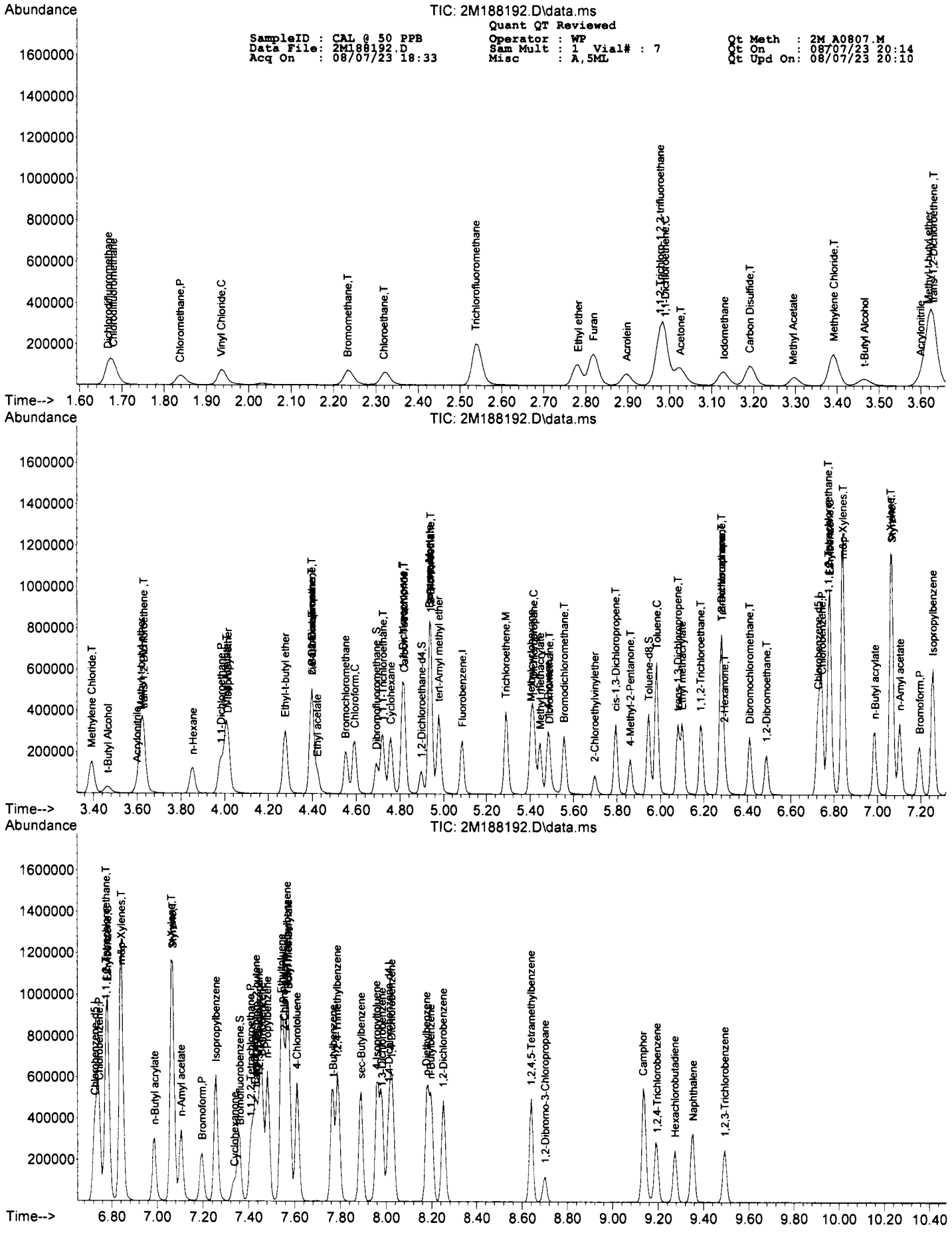
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188192.D Sam Mult : 1 Vial# : 7 Qt On : 08/07/23 20:14
Acq On : 08/07/23 18:33 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.775	133	79975	60.6985	ug/l	96
69)	Chlorobenzene	6.745	112	210149	54.9900	ug/l	100
71)	n-Butyl acrylate	6.989	55	137597	51.9052	ug/l	98
72)	n-Amyl acetate	7.105	43	125852	59.9488	ug/l	99
73)	Bromoform	7.196	173	73528	55.9334	ug/l	95
74)	Ethylbenzene	6.781	106	93241	48.7103	ug/l	98
75)	1,1,2,2-Tetrachloroethane	7.409	83	99006	51.4095	ug/l	98
77)	Styrene	7.068	104	227258	49.0768	ug/l	97
78)	m&p-Xylenes	6.842	106	266398	97.3542	ug/l	99
79)	o-Xylene	7.062	106	133264	48.7065	ug/l	97
80)	trans-1,4-Dichloro-2-b...	7.434	53	38541	63.9502	ug/l	99
81)	1,3-Dichlorobenzene	7.982	146	165319	55.7318	ug/l	97
82)	1,4-Dichlorobenzene	8.025	146	162298	54.5438	ug/l	97
83)	1,2-Dichlorobenzene	8.251	146	148582	54.0645	ug/l	99
84)	Isopropylbenzene	7.257	105	298201	49.2466	ug/l	99
85)	Cyclohexanone	7.336	55	28166	440.5616	ug/l	95
86)	Camphene	7.428	93	77833	49.9307	ug/l	98
87)	1,2,3-Trichloropropane	7.446	75	122925	53.0804	ug/l	99
88)	2-Chlorotoluene	7.556	91	179173	48.7326	ug/l	95
89)	p-Ethyltoluene	7.544	105	323747	54.7647	ug/l	100
90)	4-Chlorotoluene	7.611	91	188270	51.4398	ug/l	95
91)	n-Propylbenzene	7.483	91	343556	50.8810	ug/l	100
92)	Bromobenzene	7.458	77	187706	49.4473	ug/l	92
93)	1,3,5-Trimethylbenzene	7.568	105	237895	52.9208	ug/l	99
94)	Butyl methacrylate	7.574	41	87678	63.8208	ug/l	99
95)	t-Butylbenzene	7.769	119	237642	52.3669	ug/l	98
96)	1,2,4-Trimethylbenzene	7.787	105	247898	50.8984	ug/l	98
97)	sec-Butylbenzene	7.891	105	275244	52.8002	ug/l	97
98)	4-Isopropyltoluene	7.958	119	242764	53.4126	ug/l	99
99)	n-Butylbenzene	8.196	91	233238	55.0922	ug/l	97
100)	p-Diethylbenzene	8.178	119	142396	57.6469	ug/l	98
101)	1,2,4,5-Tetramethylben...	8.641	119	191619	60.2535	ug/l	97
102)	1,2-Dibromo-3-Chloropr...	8.702	157	25467	58.7613	ug/l	98
103)	Camphor	9.135	95	105337	625.6094	ug/l	98
104)	Hexachlorobutadiene	9.275	225	33258	61.6361	ug/l	94
105)	1,2,4-Trichlorobenzene	9.196	180	69167	58.1141	ug/l	99
106)	1,2,3-Trichlorobenzene	9.494	180	59237	60.3939	ug/l	97
107)	Naphthalene	9.354	128	200876	56.6980	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 2M188192.D
Acq On : 08/07/23 18:33
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/07/23 20:14
Qt Upd On: 08/07/23 20:10
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188194.D Sam Mult : 1 Vial# : 9 Qt On : 08/07/23 20:13
Acq On : 08/07/23 19:14 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.087	96	155147	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.727	117	148834	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	88852	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	54779	38.24	ug/l	-0.01
Spiked Amount 30.000			Recovery = 127.47%			
39) 1,2-Dichloroethane-d4	4.898	67	23757	33.00	ug/l	-0.01
Spiked Amount 30.000			Recovery = 110.00%			
66) Toluene-d8	5.946	98	176613	29.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.50%			
76) Bromofluorobenzene	7.361	174	76655	29.47	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.23%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.679	51	150623	123.0921	ug/l	96
6) Dichlorodifluoromethane	1.667	85	139411	184.0978	ug/l	99
7) Chloromethane	1.837	50	94876	114.0684	ug/l	100
8) Bromomethane	2.233	94	97031	126.3016	ug/l	98
9) Vinyl Chloride	1.935	62	134713	119.8855	ug/l	98
10) Chloroethane	2.319	64	101925	130.2899	ug/l	99
11) Trichlorofluoromethane	2.538	101	313087	176.0074	ug/l	99
12) Ethyl ether	2.776	59	118043	119.4664	ug/l	94
13) Furan	2.819	39	175802	120.6033	ug/l	89
14) 1,1,2-Trichloro-1,2,2-...	2.977	101	130594	134.7426	ug/l	97
15) Methylene Chloride	3.392	84	143644	118.4296	ug/l	97
16) Acrolein	2.898	56	94297	671.4884	ug/l	98
17) Acrylonitrile	3.599	53	53164	123.2376	ug/l	99
18) Iodomethane	3.130	142	178318	123.9568	ug/l	97
19) Acetone	3.020	43	202457	683.3371	ug/l	100
20) Carbon Disulfide	3.191	76	254598	79.9838	ug/l	100
21) t-Butyl Alcohol	3.465	59	84102	733.5284	ug/l	92
22) n-Hexane	3.849	57	112156	128.1230	ug/l	96
23) Di-isopropyl-ether	4.014	45	330396	116.1293	ug/l	87
24) 1,1-Dichloroethene	2.983	61	191087	125.9701	ug/l	99
25) Methyl Acetate	3.294	43	89386	109.3437	ug/l	100
26) Methyl-t-butyl ether	3.617	73	430288	130.5310	ug/l	98
27) 1,1-Dichloroethane	3.977	63	234442	123.4462	ug/l	97
28) trans-1,2-Dichloroethene	3.630	96	150805	125.0930	ug/l	93
29) Ethyl-t-butyl ether	4.276	59	388891	124.0342	ug/l	97
30) cis-1,2-Dichloroethene	4.398	61	236188	127.2884	ug/l	96
31) Bromochloromethane	4.550	49	106672	127.3167	ug/l	88
32) 2,2-Dichloropropane	4.398	77	220461	151.1093	ug/l	98
33) Ethyl acetate	4.422	43	148597m	129.7337	ug/l	
34) 1,4-Dioxane	5.483	88	87395	8692.2324	ug/l	92
35) 1,1-Dichloropropene	4.812	75	198156	124.4607	ug/l	98
36) Chloroform	4.593	83	276515	131.6102	ug/l	98
38) Cyclohexane	4.757	56	152769	111.3764	ug/l	89
40) 1,2-Dichloroethane	4.940	62	221144	138.0522	ug/l	97
41) 2-Butanone	4.398	43	56932m	121.4167	ug/l	
42) 1,1,1-Trichloroethane	4.721	97	267811	146.7092	ug/l	99
43) Carbon Tetrachloride	4.818	117	243797	153.3022	ug/l	96
44) Vinyl Acetate	4.001	43	458904	148.8856	ug/l	100
45) Bromodichloromethane	5.556	83	224882	136.7548	ug/l	97
46) Methylcyclohexane	5.404	83	172432	120.7149	ug/l	95
47) Dibromomethane	5.489	174	145837	142.9850	ug/l	98
48) 1,2-Dichloropropane	5.416	63	135139	119.9154	ug/l	100
49) Trichloroethene	5.288	130	181520	126.3414	ug/l	98
50) Benzene	4.934	78	553788	119.4211	ug/l	100
51) tert-Amyl methyl ether	4.977	73	417477	125.7493	ug/l	98
53) Iso-propylacetate	4.934	43	299822	127.8434	ug/l	98
54) Methyl methacrylate	5.446	41	127518	113.5077	ug/l	87
55) Dibromochloromethane	6.410	129	205770	129.1483	ug/l	97
56) 2-Chloroethylvinylether	5.696	63	51353	87.5035	ug/l	96
57) cis-1,3-Dichloropropene	5.794	75	245095	115.3237	ug/l	99
58) trans-1,3-Dichloropropene	6.080	75	242747	123.1536	ug/l	97
59) Ethyl methacrylate	6.099	41	134647	128.7230	ug/l	91
60) 1,1,2-Trichloroethane	6.190	97	151065	113.0321	ug/l	97
61) 1,2-Dibromoethane	6.489	107	171458	118.5103	ug/l	99
62) 1,3-Dichloropropane	6.282	76	243238	111.0223	ug/l	99
63) 4-Methyl-2-Pentanone	5.861	43	142519	124.7261	ug/l	100
64) 2-Hexanone	6.294	43	105860	125.8270	ug/l	99
65) Tetrachloroethene	6.282	164	153169	125.2357	ug/l	97
67) Toluene	5.983	92	376794	109.6807	ug/l	99

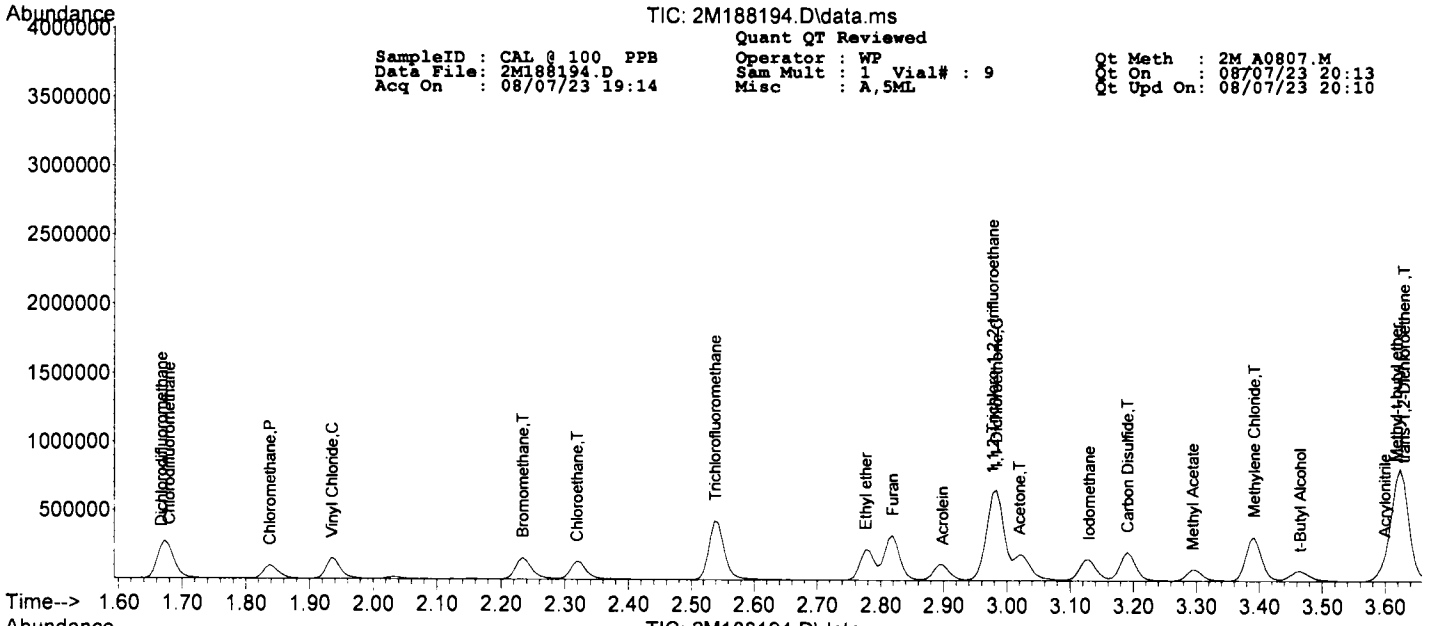
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188194.D Sam Mult : 1 Vial# : 9 Qt On : 08/07/23 20:13
Acq On : 08/07/23 19:14 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.775	133	172491	127.2217	ug/l	99
69)	Chlorobenzene	6.739	112	442451	112.5105	ug/l	100
71)	n-Butyl acrylate	6.989	55	306532	108.8087	ug/l	97
72)	n-Amyl acetate	7.105	43	274949	123.2419	ug/l	98
73)	Bromoform	7.196	173	164714	117.9056	ug/l	98
74)	Ethylbenzene	6.781	106	192967	94.8598	ug/l	100
75)	1,1,2,2-Tetrachloroethane	7.409	83	207759	101.5143	ug/l	98
77)	Styrene	7.068	104	495741	100.7390	ug/l	98
78)	m&p-Xylenes	6.842	106	591884	203.5383	ug/l	99
79)	o-Xylene	7.062	106	286786	98.6320	ug/l	100
80)	trans-1,4-Dichloro-2-b...	7.434	53	84929	132.6053	ug/l	99
81)	1,3-Dichlorobenzene	7.982	146	353439	112.1194	ug/l	99
82)	1,4-Dichlorobenzene	8.025	146	351724	111.2296	ug/l	99
83)	1,2-Dichlorobenzene	8.251	146	329203	112.7186	ug/l	98
84)	Isopropylbenzene	7.257	105	633544	98.4531	ug/l	100
85)	Cyclohexanone	7.330	55	55658	819.2093	ug/l	94
86)	Camphene	7.428	93	163800	98.8789	ug/l	99
87)	1,2,3-Trichloropropane	7.446	75	263211	106.9508	ug/l	100
88)	2-Chlorotoluene	7.556	91	398802	102.0682	ug/l	96
89)	p-Ethyltoluene	7.544	105	691974	110.1464	ug/l	100
90)	4-Chlorotoluene	7.611	91	407929	104.8790	ug/l	96
91)	n-Propylbenzene	7.483	91	732995	102.1515	ug/l	99
92)	Bromobenzene	7.458	77	399436	99.0141	ug/l	92
93)	1,3,5-Trimethylbenzene	7.568	105	508013	106.3412	ug/l	99
94)	Butyl methacrylate	7.574	41	189983	130.1285	ug/l	96
95)	t-Butylbenzene	7.769	119	515593	106.9121	ug/l	98
96)	1,2,4-Trimethylbenzene	7.787	105	544417	105.1837	ug/l	99
97)	sec-Butylbenzene	7.891	105	600949	108.4778	ug/l	97
98)	4-Isopropyltoluene	7.958	119	526259	108.9544	ug/l	99
99)	n-Butylbenzene	8.196	91	520500	115.6904	ug/l	97
100)	p-Diethylbenzene	8.184	119	316897	120.7208	ug/l	97
101)	1,2,4,5-Tetramethylben...	8.641	119	423643	125.3515	ug/l	96
102)	1,2-Dibromo-3-Chloropr...	8.702	157	56723	123.1569	ug/l	96
103)	Camphor	9.135	95	229842	1284.5102	ug/l	98
104)	Hexachlorobutadiene	9.275	225	71630	124.9166	ug/l	95
105)	1,2,4-Trichlorobenzene	9.196	180	154337	122.0220	ug/l	98
106)	1,2,3-Trichlorobenzene	9.494	180	126775	121.6241	ug/l	97
107)	Naphthalene	9.354	128	444669	118.1035	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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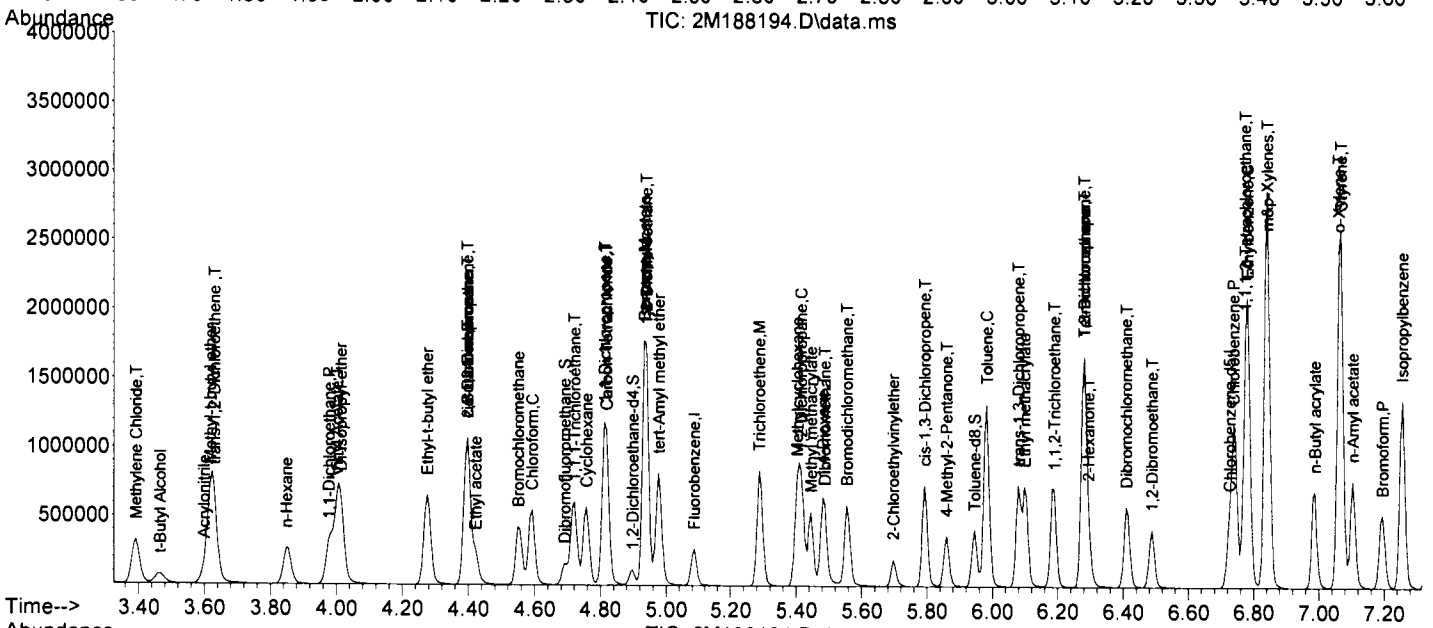
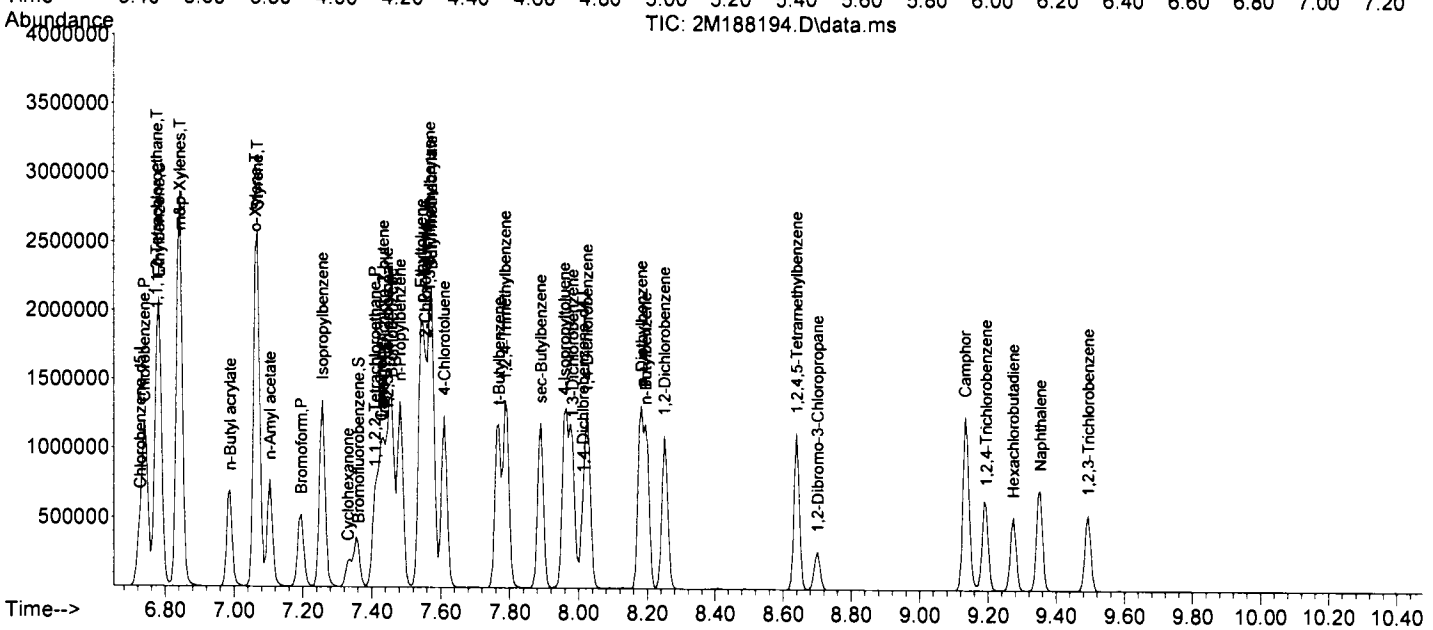
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 2M188194.D
Acq On : 08/07/23 19:14
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/07/23 20:13
Qt Upd On: 08/07/23 20:10
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Time-->


Abundance
TIC: 2M188194.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 2M188194.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone,S
4-Chlorotoluene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188196.D Sam Mult : 1 Vial# : 11 Qt On : 08/07/23 20:10
Acq On : 08/07/23 19:54 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.086	96	153317	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.726	117	152284	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	128647	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	55153	38.96	ug/l	-0.01
Spiked Amount 30.000			Recovery = 129.87%			
39) 1,2-Dichloroethane-d4	4.897	67	23576	33.14	ug/l	-0.01
Spiked Amount 30.000			Recovery = 110.47%			
66) Toluene-d8	5.946	98	173666	28.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.67%			
76) Bromofluorobenzene	7.360	174	110381	29.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.70%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.679	51	399373	330.2710	ug/l	92
6) Dichlorodifluoromethane	1.666	85	353601	472.5176	ug/l	98
7) Chloromethane	1.837	50	238618	290.3122	ug/l	97
8) Bromomethane	2.227	94	336039	442.6303	ug/l	100
9) Vinyl Chloride	1.935	62	351239	316.3099	ug/l	99
10) Chloroethane	2.313	64	269122	348.1227	ug/l	97
11) Trichlorofluoromethane	2.538	101	803670	457.1900	ug/l	98
12) Ethyl ether	2.776	59	333270	341.3147	ug/l	95
13) Furan	2.812	39	455278	316.0568	ug/l	88
14) 1,1,2-Trichloro-1,2,2-...	2.971	101	341261	356.3046	ug/l	96
15) Methylene Chloride	3.392	84	370749	309.3186	ug/l	96
16) Acrolein	2.892	56	249836	1800.3161	ug/l	97
17) Acrylonitrile	3.599	53	136253	319.6132	ug/l	99
18) Iodomethane	3.123	142	466635	328.2507	ug/l	96
19) Acetone	3.020	43	521964	1782.7720	ug/l	97
20) Carbon Disulfide	3.190	76	673552	214.1268	ug/l	100
21) t-Butyl Alcohol	3.465	59	226827	2001.9740	ug/l	91
22) n-Hexane	3.849	57	283672	327.9248	ug/l	95
23) Di-isopropyl-ether	4.013	45	872161	310.2107	ug/l	86
24) 1,1-Dichloroethene	2.983	61	496017	330.8917	ug/l	98
25) Methyl Acetate	3.294	43	229488	284.0778	ug/l	100
26) Methyl-t-butyl ether	3.617	73	1129487	346.7279	ug/l	97
27) 1,1-Dichloroethane	3.977	63	607670	323.7899	ug/l	98
28) trans-1,2-Dichloroethene	3.623	96	395354	331.8611	ug/l	93
29) Ethyl-t-butyl ether	4.276	59	1020397	329.3335	ug/l	96
30) cis-1,2-Dichloroethene	4.391	61	615201	335.5066	ug/l	95
31) Bromochloromethane	4.550	49	272169	328.7205	ug/l	89
32) 2,2-Dichloropropane	4.398	77	579783	402.1407	ug/l	99
33) Ethyl acetate	4.422	43	374752m	331.0852	ug/l	
34) 1,4-Dioxane	5.483	88	218755	22016.8811	ug/l	91
35) 1,1-Dichloropropene	4.812	75	510875	324.7079	ug/l	96
36) Chloroform	4.593	83	714434	344.1010	ug/l	99
38) Cyclohexane	4.757	56	397403	293.1852	ug/l	90
40) 1,2-Dichloroethane	4.940	62	591659	373.7599	ug/l	99
41) 2-Butanone	4.391	43	153373m	330.9970	ug/l	
42) 1,1,1-Trichloroethane	4.721	97	686903	380.7829	ug/l	97
43) Carbon Tetrachloride	4.818	117	651526	414.5766	ug/l	96
44) Vinyl Acetate	4.001	43	1209771	397.1797	ug/l	100
45) Bromodichloromethane	5.556	83	591150	363.7798	ug/l	98
46) Methylcyclohexane	5.403	83	452883	320.8352	ug/l	93
47) Dibromomethane	5.489	174	381331	378.3363	ug/l	98
48) 1,2-Dichloropropane	5.416	63	344543	309.3790	ug/l	100
49) Trichloroethene	5.288	130	471676	332.2140	ug/l	99
50) Benzene	4.934	78	1481157	323.2152	ug/l	100
51) tert-Amyl methyl ether	4.977	73	1071050	326.4643	ug/l	97
53) Iso-propylacetate	4.934	43	792841	330.4067	ug/l	97
54) Methyl methacrylate	5.446	41	329999	287.0876	ug/l	87
55) Dibromochloromethane	6.409	129	549353	336.9816	ug/l	100
56) 2-Chloroethylvinylether	5.696	63	129951	216.4149	ug/l	95
57) cis-1,3-Dichloropropene	5.794	75	641777	295.1318	ug/l	100
58) trans-1,3-Dichloropropene	6.080	75	645115	319.8735	ug/l	99
59) Ethyl methacrylate	6.098	41	350399	327.3937	ug/l	91
60) 1,1,2-Trichloroethane	6.190	97	388893	284.3911	ug/l	97
61) 1,2-Dibromoethane	6.489	107	441650	298.3489	ug/l	98
62) 1,3-Dichloropropane	6.281	76	641413	286.1306	ug/l	98
63) 4-Methyl-2-Pentanone	5.861	43	367931	314.7015	ug/l	99
64) 2-Hexanone	6.294	43	271987	315.9644	ug/l	99
65) Tetrachloroethene	6.281	164	411825	329.0923	ug/l	99
67) Toluene	5.983	92	1009318	287.1455	ug/l	99

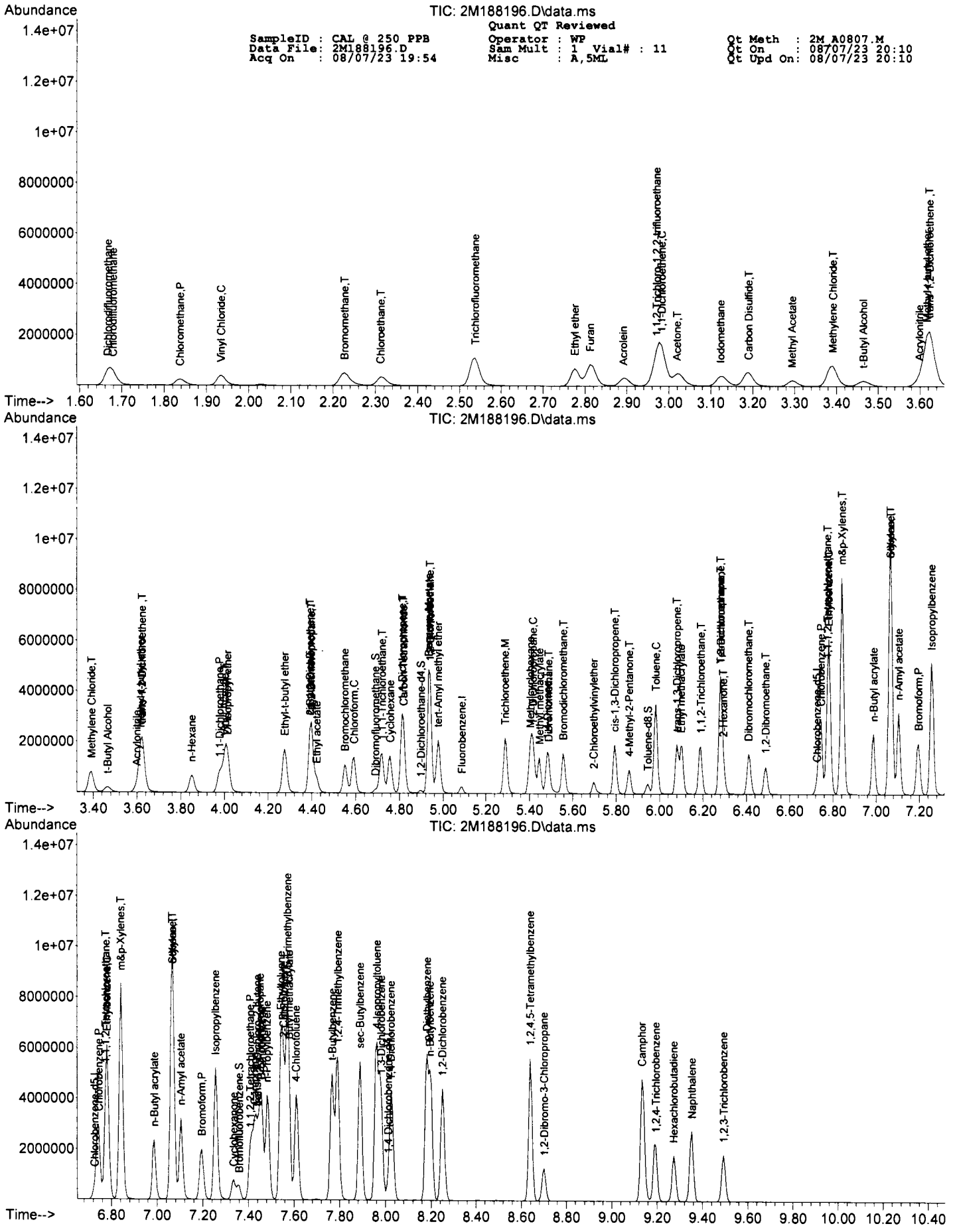
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188196.D Sam Mult : 1 Vial# : 11 Qt On : 08/07/23 20:10
Acq On : 08/07/23 19:54 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.775	133	474632	342.1366	ug/l	99
69)	Chlorobenzene	6.745	112	1172716	291.4530	ug/l	99
71)	n-Butyl acrylate	6.989	55	996754	244.3674	ug/l	97
72)	n-Amyl acetate	7.104	43	1082633	335.1623	ug/l	98
73)	Bromoform	7.196	173	633014	312.9572	ug/l	100
74)	Ethylbenzene	6.781	106	548636	186.2735	ug/l	98
75)	1,1,2,2-Tetrachloroethane	7.409	83	692662	233.7525	ug/l	99
77)	Styrene	7.068	104	1854367	260.2591	ug/l	98
78)	m&p-Xylenes	6.842	106	1680035	399.0207	ug/l	98
79)	o-Xylene	7.068	106	1039964	247.0276	ug/l	96
80)	trans-1,4-Dichloro-2-b...	7.440	53	275492	297.0855	ug/l	96
81)	1,3-Dichlorobenzene	7.982	146	1481679	324.6295	ug/l	99
82)	1,4-Dichlorobenzene	8.025	146	1257260	274.6065	ug/l	97
83)	1,2-Dichlorobenzene	8.251	146	1334909	315.6828	ug/l	99
84)	Isopropylbenzene	7.257	105	2433948	261.2351	ug/l	100
85)	Cyclohexanone	7.336	55	211345	2148.4578	ug/l	93
86)	Camphene	7.427	93	522981	218.0436	ug/l	99
87)	1,2,3-Trichloropropane	7.452	75	817533	229.4314	ug/l	99
88)	2-Chlorotoluene	7.556	91	1411893	249.5757	ug/l	95
89)	p-Ethyltoluene	7.543	105	2377175	261.3420	ug/l	100
90)	4-Chlorotoluene	7.610	91	1380950	245.2164	ug/l	97
91)	n-Propylbenzene	7.482	91	2260644	217.5922	ug/l	99
92)	Bromobenzene	7.458	77	1217765	208.4880	ug/l	92
93)	1,3,5-Trimethylbenzene	7.574	105	1838197	265.7580	ug/l	100
94)	Butyl methacrylate	7.580	41	665616	314.8828	ug/l	95
95)	t-Butylbenzene	7.769	119	2063165	295.4754	ug/l	98
96)	1,2,4-Trimethylbenzene	7.793	105	2288699	305.4028	ug/l	99
97)	sec-Butylbenzene	7.891	105	2643951	329.6281	ug/l	96
98)	4-Isopropyltoluene	7.964	119	2527767	361.4515	ug/l	98
99)	n-Butylbenzene	8.196	91	2294121	352.1766	ug/l	98
100)	p-Diethylbenzene	8.183	119	1364510	359.0113	ug/l	99
101)	1,2,4,5-Tetramethylben...	8.641	119	2145622	438.4803	ug/l	96
102)	1,2-Dibromo-3-Chloropr...	8.702	157	281916	422.7533	ug/l	94
103)	Camphor	9.134	95	918287	3544.4931	ug/l	98
104)	Hexachlorobutadiene	9.275	225	244741	294.7809	ug/l	95
105)	1,2,4-Trichlorobenzene	9.195	180	548995	299.7810	ug/l	99
106)	1,2,3-Trichlorobenzene	9.494	180	420254	278.4616	ug/l	98
107)	Naphthalene	9.354	128	1614530	296.1689	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 2M188196.D
Acq On : 08/07/23 19:54
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/07/23 20:10
Qt Upd On: 08/07/23 20:10
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188199.D Sam Mult : 1 Vial# : 14 Qt On : 08/07/23 21:10
Acq On : 08/07/23 20:54 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.087	96	178405	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.727	117	178272	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	124448	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	55663	33.79	ug/l	-0.01
Spiked Amount 30.000			Recovery = 112.63%			
39) 1,2-Dichloroethane-d4	4.898	67	23564	28.47	ug/l	-0.01
Spiked Amount 30.000			Recovery = 94.90%			
66) Toluene-d8	5.946	98	190247	26.58	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.60%			
76) Bromofluorobenzene	7.361	174	147601	40.51	ug/l	0.00
Spiked Amount 30.000			Recovery = 135.03%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.673	51	784205	557.3201	ug/l	90
6) Dichlorodifluoromethane	1.667	85	677669	778.2254	ug/l	97
7) Chloromethane	1.831	50	464754	485.9241	ug/l	99
8) Bromomethane	2.215	94	893128	1010.9938	ug/l	98
9) Vinyl Chloride	1.935	62	670281	518.7406	ug/l	98
10) Chloroethane	2.307	64	553760	615.5849	ug/l	96
11) Trichlorofluoromethane	2.532	101	1582389	773.5983	ug/l	98
12) Ethyl ether	2.776	59	624575	549.7011	ug/l	93
13) Furan	2.813	39	902860	538.6320	ug/l	88
14) 1,1,2-Trichloro-1,2,2-...	2.971	101	680001	610.1373	ug/l	97
15) Methylene Chloride	3.386	84	734843	526.8705	ug/l	98
16) Acrolein	2.892	56	513790	3181.7252	ug/l	99
17) Acrylonitrile	3.593	53	273445	551.2289	ug/l	95
18) Iodomethane	3.124	142	853770	516.1221	ug/l	99
19) Acetone	3.020	43	965449	2833.7914	ug/l	97
20) Carbon Disulfide	3.185	76	1341004	366.3644	ug/l	100
21) t-Butyl Alcohol	3.465	59	427093	3239.4362	ug/l	91
22) n-Hexane	3.849	57	563170	559.4748	ug/l	96
23) Di-isopropyl-ether	4.008	45	1760862	538.2311	ug/l	86
24) 1,1-Dichloroethene	2.977	61	990555	567.8730	ug/l	99
25) Methyl Acetate	3.294	43	453617	482.5585	ug/l	100
26) Methyl-t-butyl ether	3.617	73	2326901	613.8592	ug/l	97
27) 1,1-Dichloroethane	3.977	63	1203943	551.2958	ug/l	97
28) trans-1,2-Dichloroethene	3.623	96	812758	586.2931	ug/l	91
29) Ethyl-t-butyl ether	4.276	59	2083776	577.9644	ug/l	96
30) cis-1,2-Dichloroethene	4.392	61	1258044	589.6076	ug/l	93
31) Bromochloromethane	4.550	49	533426	553.6631	ug/l	84
32) 2,2-Dichloropropane	4.398	77	1184372	705.9663	ug/l	99
33) Ethyl acetate	4.422	43	739133m	561.1793	ug/l	
34) 1,4-Dioxane	5.489	88	459204	39717.9444	ug/l	89
35) 1,1-Dichloropropene	4.812	75	1023600	559.1029	ug/l	95
36) Chloroform	4.593	83	1423707	589.2882	ug/l	99
38) Cyclohexane	4.757	56	773781	490.5827	ug/l	89
40) 1,2-Dichloroethane	4.940	62	1247961	677.4941	ug/l	98
41) 2-Butanone	4.392	43	313014m	580.5267	ug/l	
42) 1,1,1-Trichloroethane	4.715	97	1369545	652.4416	ug/l	98
43) Carbon Tetrachloride	4.818	117	1319948	721.7938	ug/l	97
44) Vinyl Acetate	4.001	43	2456998	693.2213	ug/l	100
45) Bromodichloromethane	5.556	83	1252228	662.2280	ug/l	99
46) Methylcyclohexane	5.404	83	959739	584.2954	ug/l	93
47) Dibromomethane	5.489	174	839962	716.1745	ug/l	99
48) 1,2-Dichloropropane	5.416	63	705560	544.4583	ug/l	100
49) Trichloroethene	5.288	130	966011	584.7087	ug/l	99
50) Benzene	4.934	78	3079116	577.4309	ug/l	100
51) tert-Amyl methyl ether	4.977	73	2356681	617.3196	ug/l	97
53) Iso-propylacetate	4.934	43	1645149	585.6513	ug/l	97
54) Methyl methacrylate	5.446	41	708866	526.7895	ug/l	87
55) Dibromochloromethane	6.410	129	1337451	700.8155	ug/l	100
56) 2-Chloroethylvinylether	5.696	63	264347	376.0564	ug/l	96
57) cis-1,3-Dichloropropene	5.794	75	1330788	522.7714	ug/l	100
58) trans-1,3-Dichloropropene	6.080	75	1472618	623.7382	ug/l	98
59) Ethyl methacrylate	6.105	41	780091	622.6211	ug/l	89
60) 1,1,2-Trichloroethane	6.190	97	859125	536.6774	ug/l	98
61) 1,2-Dibromoethane	6.489	107	1089781	628.8638	ug/l	98
62) 1,3-Dichloropropane	6.282	76	1359270	517.9686	ug/l	100
63) 4-Methyl-2-Pentanone	5.861	43	777768	568.2686	ug/l	98
64) 2-Hexanone	6.294	43	551108	546.8872	ug/l	99
65) Tetrachloroethene	6.282	164	900987	615.0277	ug/l	99
67) Toluene	5.983	92	2337477	568.0577	ug/l	98

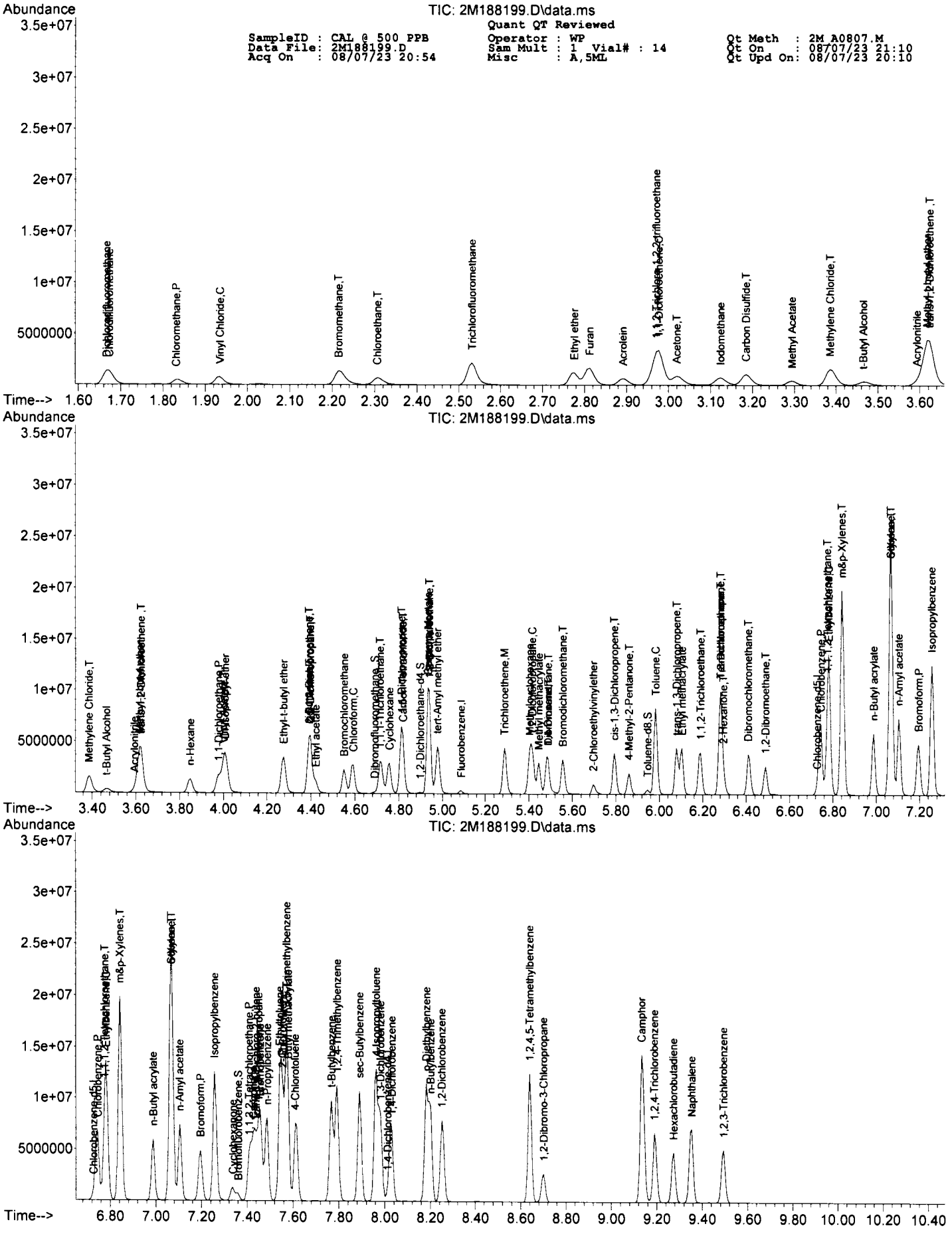
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188199.D Sam Mult : 1 Vial# : 14 Qt On : 08/07/23 21:10
Acq On : 08/07/23 20:54 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.775	133	1090206	671.3086	ug/l	98
69)	Chlorobenzene	6.745	112	2664800	565.7330	ug/l	98
71)	n-Butyl acrylate	6.989	55	2436343	617.4551	ug/l	97
72)	n-Amyl acetate	7.105	43	2406509	770.1461	ug/l	95
73)	Bromoform	7.196	173	1547330	790.7993	ug/l	100
74)	Ethylbenzene	6.781	106	1225145	429.9976	ug/l	91
75)	1,1,2,2-Tetrachloroethane	7.409	83	1528197	533.1212	ug/l	98
77)	Styrene	7.068	104	4633118	672.1950	ug/l	95
78)	m&p-Xylenes	6.842	106	4038406	991.5140	ug/l	92
79)	o-Xylene	7.068	106	2670311	655.6934	ug/l	91
80)	trans-1,4-Dichloro-2-b...	7.440	53	563028	627.6453	ug/l	94
81)	1,3-Dichlorobenzene	7.982	146	2714080	614.7072	ug/l	99
82)	1,4-Dichlorobenzene	8.031	146	2330690	526.2378	ug/l	98
83)	1,2-Dichlorobenzene	8.251	146	2385501	583.1639	ug/l	99
84)	Isopropylbenzene	7.257	105	5657493	627.7055	ug/l	97
85)	Cyclohexanone	7.336	55	351890	3697.8860	ug/l	95
86)	Camphene	7.428	93	1127764	486.0573	ug/l	99
87)	1,2,3-Trichloropropane	7.452	75	1669696	484.3917	ug/l	99
88)	2-Chlorotoluene	7.556	91	2715687	496.2403	ug/l	95
89)	p-Ethyltoluene	7.543	105	5096996	579.2608	ug/l	96
90)	4-Chlorotoluene	7.611	91	2501493	459.1795	ug/l	94
91)	n-Propylbenzene	7.489	91	4393185	437.1216	ug/l	98
92)	Bromobenzene	7.458	77	2471185	437.3555	ug/l	95
93)	1,3,5-Trimethylbenzene	7.574	105	3211912	480.0315	ug/l	88
94)	Butyl methacrylate	7.580	41	1266252	619.2372	ug/l	92
95)	t-Butylbenzene	7.769	119	4077528	603.6651	ug/l	99
96)	1,2,4-Trimethylbenzene	7.793	105	4341359	598.8552	ug/l	98
97)	sec-Butylbenzene	7.891	105	5158889	664.8730	ug/l	95
98)	4-Isopropyltoluene	7.964	119	4972316	734.9933	ug/l	97
99)	n-Butylbenzene	8.202	91	4298625	682.1587	ug/l	96
100)	p-Diethylbenzene	8.184	119	2678142	728.4114	ug/l	99
101)	1,2,4,5-Tetramethylben...	8.641	119	4746106	1002.6425	ug/l	99
102)	1,2-Dibromo-3-Chloropr...	8.702	157	644127	998.5056	ug/l	97
103)	Camphor	9.135	95	2873321	11464.9348	ug/l	97
104)	Hexachlorobutadiene	9.275	225	689084	857.9787	ug/l	95
105)	1,2,4-Trichlorobenzene	9.190	180	1626485	918.1158	ug/l	99
106)	1,2,3-Trichlorobenzene	9.494	180	1258423	861.9694	ug/l	97
107)	Naphthalene	9.354	128	4526266	858.3119	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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TIC: 2M188199.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 2M188199.D
Acq On : 08/07/23 20:54
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/07/23 21:10
Qt Upd On: 08/07/23 20:10
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Time-->

Abundance
TIC: 2M188199.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 2M188199.D\data.ms
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB
Data File: 2M188187.D
Acq On : 08/07/23 16:53

Operator : WP
Sam Mult : 1 Vial# : 2
Misc : A,5ML

Qt Meth : 2M_A0807.M
Qt On : 08/07/23 20:20
Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.087	96	154411	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.727	117	173558	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	77862	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	55015	38.58	ug/l	-0.01
Spiked Amount 30.000			Recovery = 128.60%			
39) 1,2-Dichloroethane-d4	4.898	67	23313	32.54	ug/l	-0.01
Spiked Amount 30.000			Recovery = 108.47%			
66) Toluene-d8	5.946	98	171990	24.68	ug/l	0.00
Spiked Amount 30.000			Recovery = 82.27%			
76) Bromofluorobenzene	7.354	174	79677	34.95	ug/l	-0.01
Spiked Amount 30.000			Recovery = 116.50%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.679	51	1353	1.1110	ug/l	100
6) Dichlorodifluoromethane	1.666	85	1289	1.7103	ug/l	93
7) Chloromethane	1.837	50	1069	1.2914	ug/l	89
8) Bromomethane	2.240	94	1219	1.5943	ug/l	91
9) Vinyl Chloride	1.935	62	1429	1.2778	ug/l	91
10) Chloroethane	2.325	64	1273	1.6350	ug/l	92
11) Trichlorofluoromethane	2.538	101	3278	1.8516	ug/l	95
12) Ethyl ether	2.782	59	1097	1.1155	ug/l	89
13) Furan	2.819	39	1968	1.3565	ug/l	94
14) 1,1,2-Trichloro-1,2,2-...	2.965	101	1352	1.4016	ug/l	90
15) Methylene Chloride	3.392	84	1483	1.2285	ug/l	73
16) Acrolein	2.898	56	919	6.5754	ug/l	76
17) Acrylonitrile	3.599	53	469m	1.0924	ug/l	
18) Iodomethane	3.124	142	936	0.6538	ug/l	94
19) Acetone	3.026	43	2804	9.5092	ug/l	82
20) Carbon Disulfide	3.197	76	2578	0.8138	ug/l	100
21) t-Butyl Alcohol	3.471	59	770m	6.7479	ug/l	
22) n-Hexane	3.849	57	1033	1.1857	ug/l	91
23) Di-isopropyl-ether	4.014	45	3057	1.0796	ug/l	78
24) 1,1-Dichloroethene	2.989	61	1850	1.2254	ug/l	88
25) Methyl Acetate	3.300	43	1199	1.4737	ug/l	100
26) Methyl-t-butyl ether	3.623	73	3862	1.1772	ug/l	94
27) 1,1-Dichloroethane	3.977	63	2172	1.1491	ug/l	67
28) trans-1,2-Dichloroethene	3.623	96	1505	1.2544	ug/l	87
29) Ethyl-t-butyl ether	4.282	59	3578	1.1466	ug/l	95
30) cis-1,2-Dichloroethene	4.398	61	2885	1.5622	ug/l	77
31) Bromochloromethane	4.550	49	1048m	1.2568	ug/l	
32) 2,2-Dichloropropane	4.404	77	2083	1.4345	ug/l	95
33) Ethyl acetate	4.422	43	1449m	1.2711	ug/l	
34) 1,4-Dioxane	5.483	88	843	84.2437	ug/l	92
35) 1,1-Dichloropropene	4.812	75	1941	1.2249	ug/l	96
36) Chloroform	4.593	83	2580	1.2338	ug/l	80
38) Cyclohexane	4.751	56	1386	1.0153	ug/l	81
40) 1,2-Dichloroethane	4.940	62	2101	1.3178	ug/l	66
41) 2-Butanone	4.398	43	555m	1.1893	ug/l	
42) 1,1,1-Trichloroethane	4.721	97	2216	1.2197	ug/l	85
43) Carbon Tetrachloride	4.818	117	2187	1.3818	ug/l	83
44) Vinyl Acetate	4.014	43	3738	1.2185	ug/l	100
45) Bromodichloromethane	5.562	83	2133	1.3033	ug/l	96
46) Methylcyclohexane	5.404	83	2271	1.5974	ug/l	82
47) Dibromomethane	5.489	174	1341	1.3210	ug/l	88
48) 1,2-Dichloropropane	5.422	63	1515	1.3507	ug/l	91
49) Trichloroethene	5.288	130	2197	1.5364	ug/l	91
50) Benzene	4.940	78	5030	1.0899	ug/l	100
51) tert-Amyl methyl ether	4.983	73	3347	1.0130	ug/l	94
53) Iso-propylacetate	4.934	43	2417	0.8838	ug/l	93
54) Methyl methacrylate	5.446	41	1229m	0.9381	ug/l	
55) Dibromochloromethane	6.416	129	1590	0.8558	ug/l	80
56) 2-Chloroethylvinylether	5.702	63	395	0.5772	ug/l	91
57) cis-1,3-Dichloropropene	5.794	75	2021	0.8155	ug/l	91
58) trans-1,3-Dichloropropene	6.080	75	1925	0.8375	ug/l	97
59) Ethyl methacrylate	6.105	41	995	0.8157	ug/l	90
60) 1,1,2-Trichloroethane	6.184	97	1405	0.9015	ug/l	86
61) 1,2-Dibromoethane	6.489	107	1473	0.8731	ug/l	94
62) 1,3-Dichloropropane	6.282	76	2091	0.8184	ug/l	88
63) 4-Methyl-2-Pentanone	5.861	43	1188	0.8916	ug/l	99
64) 2-Hexanone	6.300	43	1119	1.1406	ug/l	80
65) Tetrachloroethene	6.282	164	1369	0.9599	ug/l	98
67) Toluene	5.983	92	3588	0.8956	ug/l	93

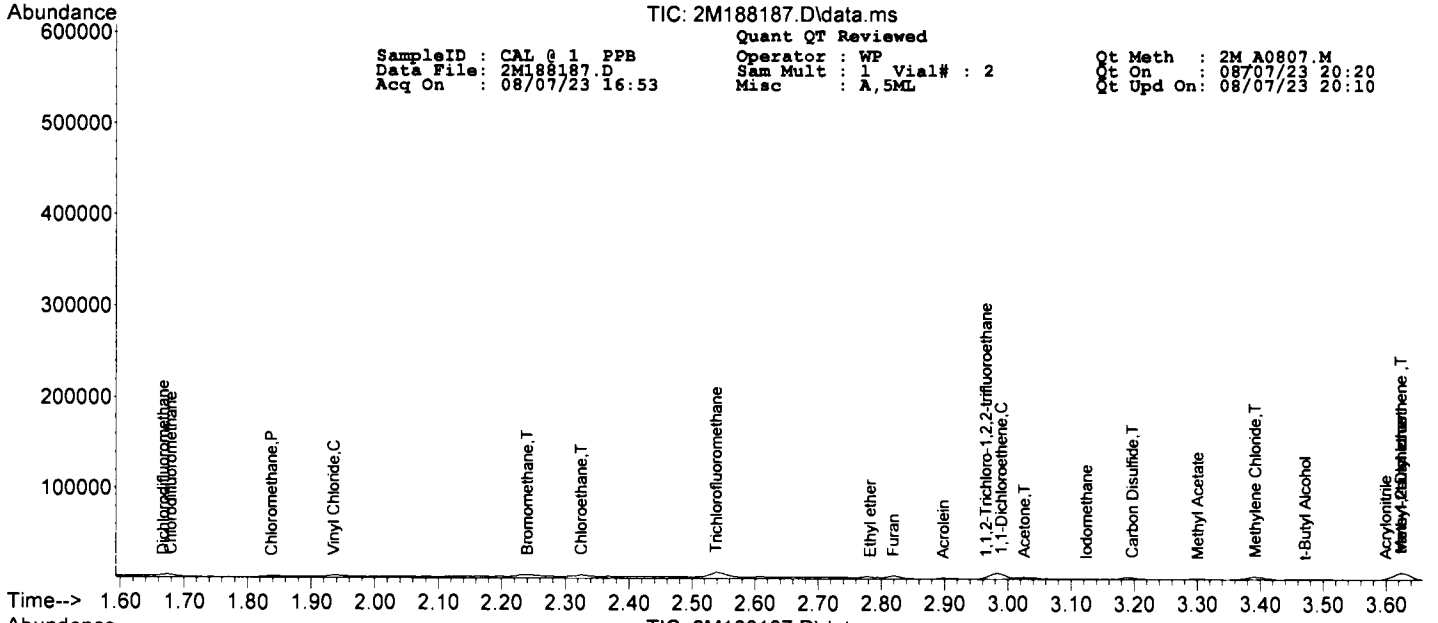
Quantitation Report (QT Reviewed)

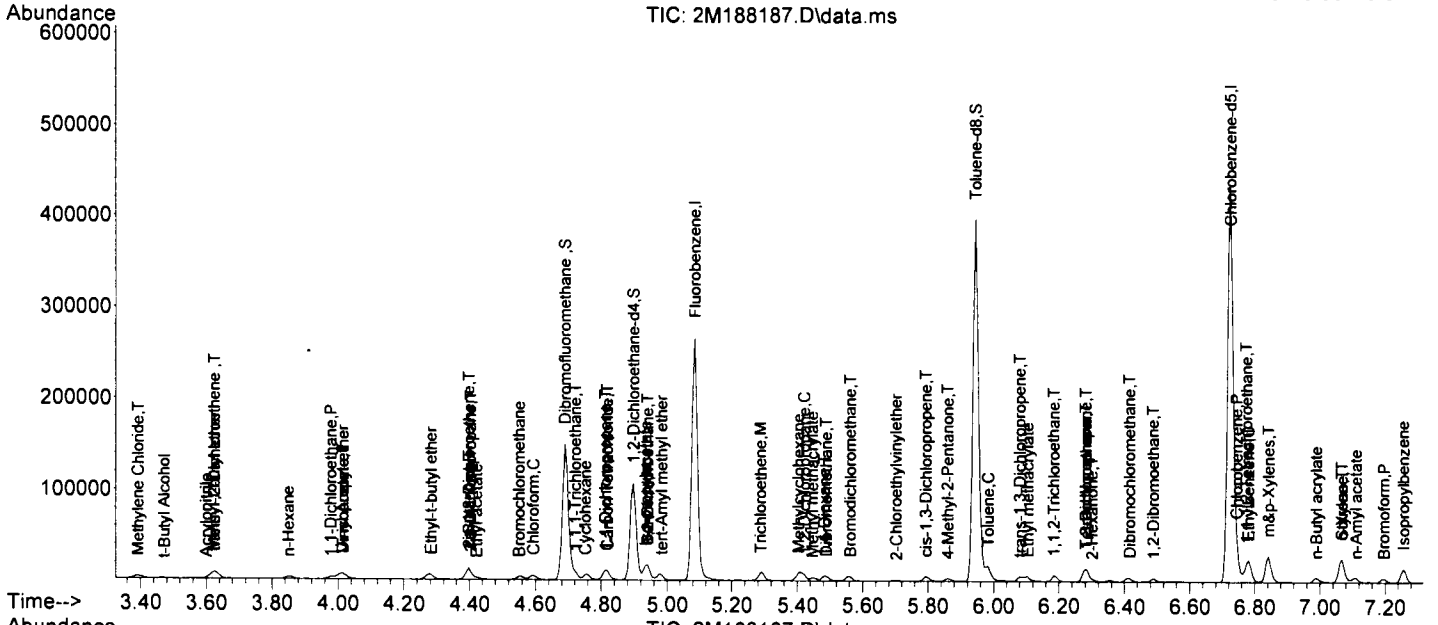
SampleID : CAL @ 1 PPB
Data File: 2M188187.D
Acq On : 08/07/23 16:53
Operator : WP
Sam Mult : 1 Vial# : 2
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/07/23 20:20
Qt Upd On: 08/07/23 20:10

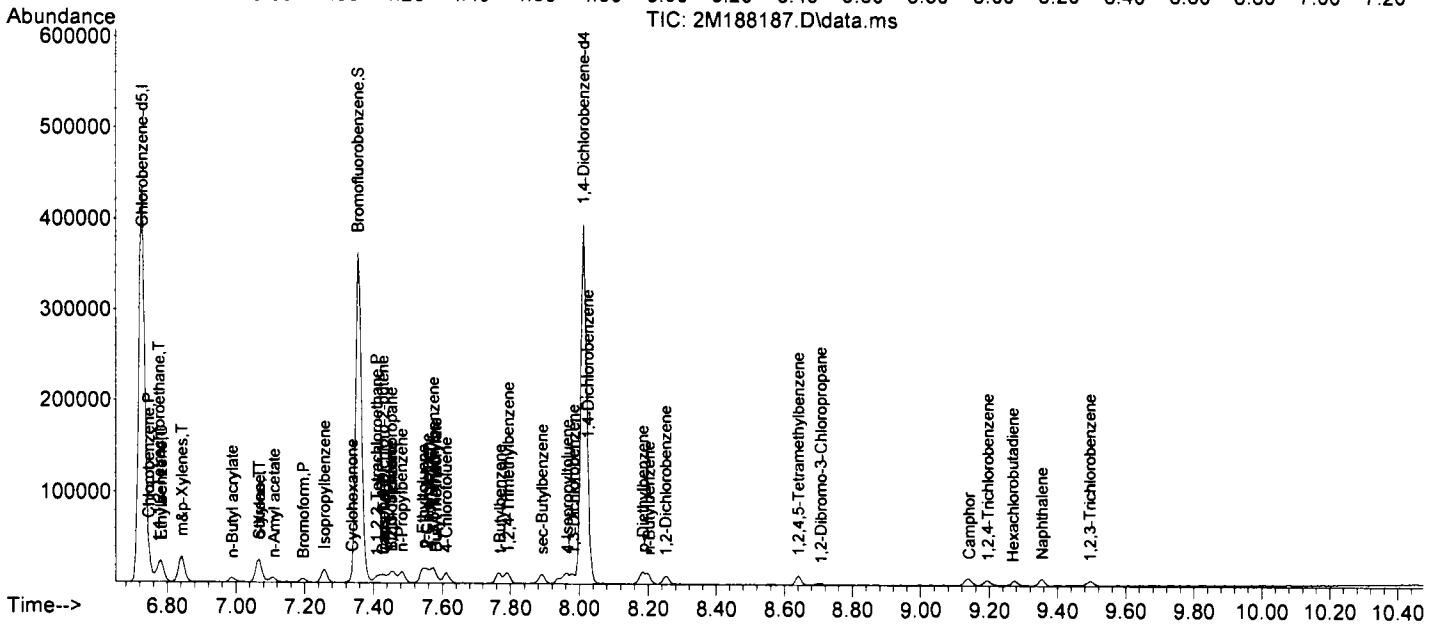
Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.775	133	1637	1.0354	ug/l	90
69)	Chlorobenzene	6.745	112	5175	1.1285	ug/l	99
71)	n-Butyl acrylate	6.989	55	2610	1.0572	ug/l	92
72)	n-Amyl acetate	7.111	43	2178	1.1141	ug/l	92
73)	Bromoform	7.196	173	1177	0.9614	ug/l	81
74)	Ethylbenzene	6.781	106	2149	1.2055	ug/l	94
75)	1,1,2,2-Tetrachloroethane	7.409	83	2070	1.1542	ug/l	80
77)	Styrene	7.068	104	4444	1.0305	ug/l	99
78)	m&p-Xylenes	6.842	106	5979	2.3463	ug/l	85
79)	o-Xylene	7.068	106	2969	1.1652	ug/l	85
80)	trans-1,4-Dichloro-2-b...	7.428	53	743	1.3238	ug/l	81
81)	1,3-Dichlorobenzene	7.982	146	2972m	1.0759	ug/l	
82)	1,4-Dichlorobenzene	8.025	146	3416	1.2328	ug/l	78
83)	1,2-Dichlorobenzene	8.251	146	2876	1.1237	ug/l	92
84)	Isopropylbenzene	7.257	105	6914	1.2261	ug/l	98
85)	Cyclohexanone	7.336	55	988	16.5946	ug/l	81
86)	Camphene	7.428	93	1545	1.0643	ug/l	98
87)	1,2,3-Trichloropropane	7.452	75	2134	0.9895	ug/l	94
88)	2-Chlorotoluene	7.556	91	3482	1.0170	ug/l	90
89)	p-Ethyltoluene	7.543	105	6014	1.0924	ug/l	97
90)	4-Chlorotoluene	7.611	91	4051	1.1885	ug/l	91
91)	n-Propylbenzene	7.482	91	6973	1.1089	ug/l	99
92)	Bromobenzene	7.452	77	3664	1.0364	ug/l	86
93)	1,3,5-Trimethylbenzene	7.574	105	4373	1.0446	ug/l	93
94)	Butyl methacrylate	7.580	41	1337	1.0450	ug/l	96
95)	t-Butylbenzene	7.769	119	5266	1.2461	ug/l	95
96)	1,2,4-Trimethylbenzene	7.793	105	5188	1.1438	ug/l	92
97)	sec-Butylbenzene	7.891	105	5506	1.1342	ug/l	98
98)	4-Isopropyltoluene	7.964	119	4517	1.0672	ug/l	85
99)	n-Butylbenzene	8.202	91	5365	1.3608	ug/l	99
100)	p-Diethylbenzene	8.184	119	3117	1.3550	ug/l	99
101)	1,2,4,5-Tetramethylben...	8.641	119	3952	1.3344	ug/l	96
102)	1,2-Dibromo-3-Chloropr...	8.708	157	394	0.9762	ug/l	80
103)	Camphor	9.141	95	1346	8.5841	ug/l	93
104)	Hexachlorobutadiene	9.269	225	774	1.5403	ug/l	96
105)	1,2,4-Trichlorobenzene	9.196	180	1528	1.3786	ug/l	96
106)	1,2,3-Trichlorobenzene	9.494	180	1497	1.6389	ug/l	91
107)	Naphthalene	9.354	128	4012	1.2160	ug/l	100

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


Abundance
TIC: 2M188187.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 2M188187.D
Acq On : 08/07/23 16:53
Operator : WP
Sam Mult : 1 Vial# : 2
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08707/23 20:20
Qt Upd On: 08/07/23 20:10
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
1,1,2-Trichloro-1,2,2-trifluoroethane
1,1-Dichloroethene,C
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Time-->


Abundance
TIC: 2M188187.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Dibromofluoromethane ,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 2M188187.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
sec-Butylbenzene
1,4-Dichlorobenzene-d4
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB
Data File: 2M188186.D
Acq On : 08/07/23 16:32

Operator : WP
Sam Mult : 1 Vial# : 1
Misc : A,5ML

Qt Meth : 2M_A0807.M
Qt On : 08/07/23 20:23
Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.086	96	160619	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.726	117	153004	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	80822	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	56687	38.22	ug/l	-0.01
Spiked Amount 30.000			Recovery = 127.40%			
39) 1,2-Dichloroethane-d4	4.897	67	23542	31.59	ug/l	-0.01
Spiked Amount 30.000			Recovery = 105.30%			
66) Toluene-d8	5.946	98	179087	29.15	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.17%			
76) Bromofluorobenzene	7.360	174	72976	30.84	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.80%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	0.000		0	N.D.	d	
6) Dichlorodifluoromethane	0.000		0	N.D.	d	
7) Chloromethane	0.000		0	N.D.	d	
8) Bromomethane	0.000		0	N.D.	d	
9) Vinyl Chloride	0.000		0	N.D.	d	
10) Chloroethane	0.000		0	N.D.	d	
11) Trichlorofluoromethane	0.000		0	N.D.	d	
12) Ethyl ether	0.000		0	N.D.	d	
13) Furan	0.000		0	N.D.	d	
14) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	d	
15) Methylene Chloride	0.000		0	N.D.	d	
16) Acrolein	0.000		0	N.D.	d	
17) Acrylonitrile	0.000		0	N.D.	d	
18) Iodomethane	0.000		0	N.D.	d	
19) Acetone	0.000		0	N.D.	d	
20) Carbon Disulfide	0.000		0	N.D.	d	
21) t-Butyl Alcohol	0.000		0	N.D.	d	
22) n-Hexane	0.000		0	N.D.	d	
23) Di-isopropyl-ether	0.000		0	N.D.	d	
24) 1,1-Dichloroethene	0.000		0	N.D.	d	
25) Methyl Acetate	0.000		0	N.D.	d	
26) Methyl-t-butyl ether	3.617	73	2040	0.5978	ug/l	88
27) 1,1-Dichloroethane	0.000		0	N.D.	d	
28) trans-1,2-Dichloroethene	0.000		0	N.D.	d	
29) Ethyl-t-butyl ether	0.000		0	N.D.	d	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
31) Bromochloromethane	0.000		0	N.D.	d	
32) 2,2-Dichloropropane	0.000		0	N.D.	d	
33) Ethyl acetate	0.000		0	N.D.	d	
34) 1,4-Dioxane	0.000		0	N.D.	d	
35) 1,1-Dichloropropene	0.000		0	N.D.	d	
36) Chloroform	0.000		0	N.D.	d	
38) Cyclohexane	0.000		0	N.D.	d	
40) 1,2-Dichloroethane	4.940	62	1279	0.7712	ug/l	99
41) 2-Butanone	0.000		0	N.D.	d	
42) 1,1,1-Trichloroethane	0.000		0	N.D.	d	
43) Carbon Tetrachloride	0.000		0	N.D.	d	
44) Vinyl Acetate	0.000		0	N.D.	d	
45) Bromodichloromethane	0.000		0	N.D.	d	
46) Methylcyclohexane	0.000		0	N.D.	d	
47) Dibromomethane	0.000		0	N.D.	d	
48) 1,2-Dichloropropane	0.000		0	N.D.	d	
49) Trichloroethene	0.000		0	N.D.	d	
50) Benzene	4.934	78	2499	0.5205	ug/l	100
51) tert-Amyl methyl ether	0.000		0	N.D.	d	
53) Iso-propylacetate	0.000		0	N.D.	d	
54) Methyl methacrylate	0.000		0	N.D.	d	
55) Dibromochloromethane	0.000		0	N.D.	d	
56) 2-Chloroethylvinylether	0.000		0	N.D.	d	
57) cis-1,3-Dichloropropene	0.000		0	N.D.	d	
58) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
59) Ethyl methacrylate	0.000		0	N.D.	d	
60) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
61) 1,2-Dibromoethane	0.000		0	N.D.	d	
62) 1,3-Dichloropropane	0.000		0	N.D.	d	
63) 4-Methyl-2-Pentanone	0.000		0	N.D.	d	
64) 2-Hexanone	0.000		0	N.D.	d	
65) Tetrachloroethene	0.000		0	N.D.	d	
67) Toluene	0.000		0	N.D.	d	

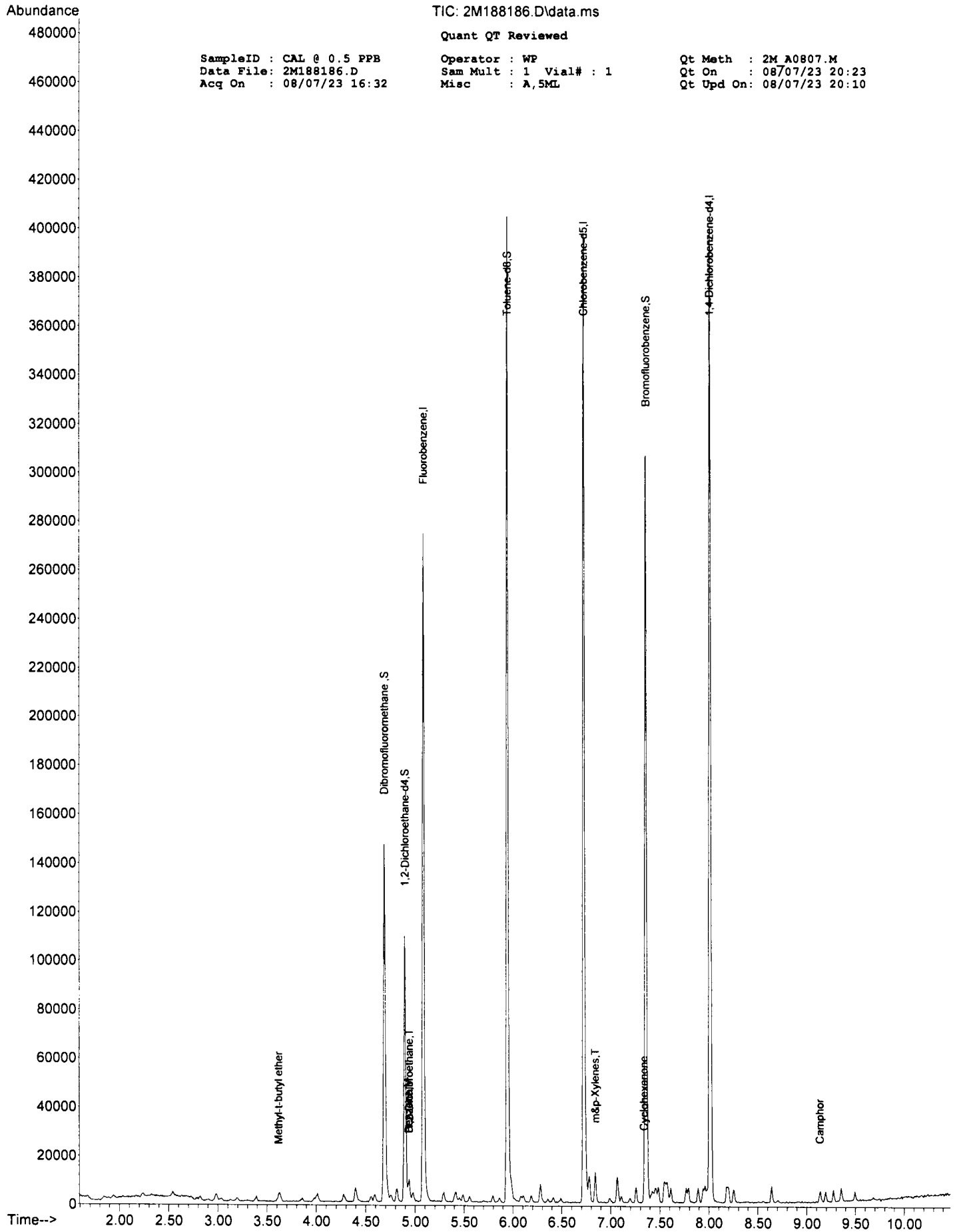
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 2M_A0807.M
Data File: 2M188186.D Sam Mult : 1 Vial# : 1 Qt On : 08/07/23 20:23
Acq On : 08/07/23 16:32 Misc : A,5ML Qt Upd On: 08/07/23 20:10

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	0.000		0	N.D.	d	
69)	Chlorobenzene	0.000		0	N.D.	d	
71)	n-Butyl acrylate	0.000		0	N.D.	d	
72)	n-Amyl acetate	0.000		0	N.D.	d	
73)	Bromoform	0.000		0	N.D.	d	
74)	Ethylbenzene	0.000		0	N.D.	d	
75)	1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
77)	Styrene	0.000		0	N.D.	d	
78)	m&p-Xylenes	6.842	106	2785	1.0529	ug/l	95
79)	o-Xylene	0.000		0	N.D.	d	
80)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
81)	1,3-Dichlorobenzene	0.000		0	N.D.	d	
82)	1,4-Dichlorobenzene	0.000		0	N.D.	d	
83)	1,2-Dichlorobenzene	0.000		0	N.D.	d	
84)	Isopropylbenzene	0.000		0	N.D.	d	
85)	Cyclohexanone	7.336	55	219m	3.5436	ug/l	
86)	Camphene	0.000		0	N.D.	d	
87)	1,2,3-Trichloropropane	0.000		0	N.D.	d	
88)	2-Chlorotoluene	0.000		0	N.D.	d	
89)	p-Ethyltoluene	0.000		0	N.D.	d	
90)	4-Chlorotoluene	0.000		0	N.D.	d	
91)	n-Propylbenzene	0.000		0	N.D.	d	
92)	Bromobenzene	0.000		0	N.D.	d	
93)	1,3,5-Trimethylbenzene	0.000		0	N.D.	d	
94)	Butyl methacrylate	0.000		0	N.D.	d	
95)	t-Butylbenzene	0.000		0	N.D.	d	
96)	1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
97)	sec-Butylbenzene	0.000		0	N.D.	d	
98)	4-Isopropyltoluene	0.000		0	N.D.	d	
99)	n-Butylbenzene	0.000		0	N.D.	d	
100)	p-Diethylbenzene	0.000		0	N.D.	d	
101)	1,2,4,5-Tetramethylben...	0.000		0	N.D.	d	
102)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D.	d	
103)	Camphor	9.135	95	887	5.4497	ug/l	91
104)	Hexachlorobutadiene	0.000		0	N.D.	d	
105)	1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
106)	1,2,3-Trichlorobenzene	0.000		0	N.D.	d	
107)	Naphthalene	0.000		0	N.D.	d	

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


Abundance
TIC: 2M188186.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 2M188186.D
Acq On : 08/07/23 16:32
Operator : WP
Sam Mult : 1 Vial# : 1
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/07/23 20:23
Qt Upd On: 08/07/23 20:10
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Methyl-t-butyl ether
m&p-Xylenes,T
Cyclohexanone
Camphor
Time-->

TxtDfile: 1M176869.D ICV FORM Date/Time: 08/02/23 01:18

Compound	bytCol Num:	bytMr Num:	Type	sngConc:	Exp Conc	Rec	Flag	sngLoLim:	sngHiLim:
Chlorodifluoromethane	1	0		25.9121	20	130		70	130
Dichlorodifluoromethane	1	0		23.5045	20	118		50	150
Chloromethane	1	0		23.3843	20	117		70	130
Bromomethane	1	0		19.8031	20	99		70	130
Vinyl Chloride	1	0		24.0172	20	120		70	130
Chloroethane	1	0		22.5557	20	113		70	130
Trichlorofluoromethane	1	0		23.2229	20	116		70	130
Ethyl ether	1	0		19.1748	20	96		70	130
Furan	1	0		21.1259	20	106		70	130
1.1.2-Trichloro-1.2.2-trifluoroethane	1	0		22.6043	20	113		70	130
Methylene Chloride	1	0		19.6018	20	98		70	130
Acrolein	1	0		91.3804	100	91		50	150
Acrylonitrile	1	0		17.7181	20	89		50	150
Iodomethane	1	0		20.2172	20	101		70	130
Acetone	1	0		81.8184	100	82		50	150
Carbon Disulfide	1	0		22.6544	20	113		70	130
t-Butyl Alcohol	1	0		80.1641	100	80		50	150
n-Hexane	1	0		23.4975	20	117		70	130
Di-isopropyl-ether	1	0		20.4537	20	102		70	130
1.1-Dichloroethene	1	0		23.7745	20	119		70	130
Methyl Acetate	1	0		18.2518	20	91		70	130
Methyl-t-butyl ether	1	0		18.726	20	94		70	130
1.1-Dichloroethane	1	0		21.3253	20	107		70	130
trans-1.2-Dichloroethene	1	0		22.4777	20	112		70	130
Ethyl-t-butyl ether	1	0		16.6681	20	83		70	130
cis-1.2-Dichloroethene	1	0		19.4724	20	97		70	130
Bromochloromethane	1	0		19.5756	20	98		70	130
2.2-Dichloropropane	1	0		19.8655	20	99		70	130
Ethyl acetate	1	0		16.9352	20	85		70	130
1.4-Dioxane	1	0		864.2711	1000	86		70	130
1.1-Dichloropropene	1	0		23.5933	20	118		70	130
Chloroform	1	0		20.7941	20	104		70	130
Cyclohexane	1	0		23.5743	20	118		70	130
1.2-Dichloroethane	1	0		18.593	20	93		70	130
2-Butanone	1	0		16.0758	20	80		70	130
1.1.1-Trichloroethane	1	0		23.1786	20	116		70	130
Carbon Tetrachloride	1	0		25.2109	20	126		70	130
Vinyl Acetate	1	0		19.4646	20	97		70	130
Bromodichloromethane	1	0		19.3158	20	97		70	130
Methylcyclohexane	1	0		25.7388	20	129		70	130
Dibromomethane	1	0		18.6182	20	93		70	130
1.2-Dichloropropane	1	0		19.651	20	98		70	130
Trichloroethene	1	0		22.1872	20	111		70	130
Benzene	1	0		23.1364	20	116		70	130
Iso-propylacetate	1	0		19.0887	20	95		70	130
Methyl methacrylate	1	0		19.201	20	96		70	130
Dibromochloromethane	1	0		18.8171	20	94		70	130
2-Chloroethylvinylether	1	0		19.8132	20	99		70	130
cis-1.3-Dichloropropene	1	0		19.5165	20	98		70	130
trans-1.3-Dichloropropene	1	0		18.9991	20	95		70	130
Ethyl methacrylate	1	0		14.3802	20	72		70	130
1.1.2-Trichloroethane	1	0		18.1937	20	91		70	130
1.2-Dibromoethane	1	0		18.5105	20	93		70	130
1.3-Dichloropropane	1	0		19.4454	20	97		70	130
4-Methyl-2-Pentanone	1	0		17.9899	20	90		70	130
2-Hexanone	1	0		16.7543	20	84		70	130
Tetrachloroethene	1	0		24.3695	20	122		70	130
Toluene	1	0		22.8916	20	114		70	130
1.1.1.2-Tetrachloroethane	1	0		20.2069	20	101		70	130
Chlorobenzene	1	0		22.4869	20	112		70	130
n-Butyl acrylate	1	0		16.8306	20	84		70	130
n-Amyl acetate	1	0		15.8909	20	79		70	130
Bromoform	1	0		18.2815	20	91		70	130
Ethylbenzene	1	0		25.7211	20	129		70	130
1.1.2.2-Tetrachloroethane	1	0		19.1095	20	96		70	130
Styrene	1	0		23.8761	20	119		70	130
m&p-Xylenes	1	0		50.3454	40	126		70	130
o-Xylene	1	0		25.4555	20	127		70	130
trans-1.4-Dichloro-2-butene	1	0		17.8608	20	89		70	130
1.3-Dichlorobenzene	1	0		24.0695	20	120		70	130
1.4-Dichlorobenzene	1	0		22.7055	20	114		70	130
1.2-Dichlorobenzene	1	0		22.4089	20	112		70	130
Isopropylbenzene	1	0		23.8717	20	119		70	130
1.2.3-Trichloropropane	1	0		18.4238	20	92		70	130
2-Chlorotoluene	1	0		24.0573	20	120		70	130
4-Chlorotoluene	1	0		23.9388	20	120		70	130
n-Propylbenzene	1	0		24.0434	20	120		70	130
Bromobenzene	1	0		20.7419	20	104		70	130
1.3.5-Trimethylbenzene	1	0		25.3412	20	127		70	130
Butyl methacrylate	1	0		16.2331	20	81		70	130
t-Butylbenzene	1	0		23.8279	20	119		70	130
1.2.4-Trimethylbenzene	1	0		20.9557	20	105		70	130
sec-Butylbenzene	1	0		24.3144	20	122		70	130
4-Isopropyltoluene	1	0		19.8716	20	99		70	130
n-Butylbenzene	1	0		24.4549	20	122		70	130
1.2-Dibromo-3-Chloropropane	1	0		19.382	20	97		70	130
Hexachlorobutadiene	1	0		22.4776	20	112		70	130
1.2.4-Trichlorobenzene	1	0		23.0973	20	115		70	130
1.2.3-Trichlorobenzene	1	0		23.7464	20	119		70	130
Naphthalene	1	0		14.9884	20	75		70	130

TxtDfile: 2M188206.D ICV FORM Date/Time: 08/07/23 23:05

Compound	bytCol Num:	bytMr Num:	Type	sngConc:	Exp Conc	Rec	Flag	sngLoLim:	sngHiLim:
Chlorodifluoromethane	1	0		19.8136	20	99		70	130
Dichlorodifluoromethane	1	0		18.2625	20	91		50	150
Chloromethane	1	0		19.0959	20	95		70	130
Bromomethane	1	0		21.1151	20	106		70	130
Vinyl Chloride	1	0		17.7858	20	89		70	130
Chloroethane	1	0		17.7707	20	89		70	130
Trichlorofluoromethane	1	0		18.3821	20	92		70	130
Ethyl ether	1	0		18.5273	20	93		70	130
Furan	1	0		18.4036	20	92		70	130
1.1.2-Trichloro-1.2.2-trifluoroethane	1	0		18.4804	20	92		70	130
Methylene Chloride	1	0		18.3936	20	92		70	130
Acrolein	1	0		89.8427	100	90		50	150
Acrylonitrile	1	0		20.0352	20	100		50	150
Iodomethane	1	0		10.6381	20	53	*	70	130
Acetone	1	0		91.7736	100	92		50	150
Carbon Disulfide	1	0		17.9458	20	90		70	130
t-Butyl Alcohol	1	0		102.3372	100	102		50	150
n-Hexane	1	0		19.8163	20	99		70	130
Di-isopropyl-ether	1	0		18.8509	20	94		70	130
1.1-Dichloroethene	1	0		18.259	20	91		70	130
Methyl Acetate	1	0		18.9335	20	95		70	130
Methyl-t-butyl ether	1	0		19.2018	20	96		70	130
1.1-Dichloroethane	1	0		19.0553	20	95		70	130
trans-1.2-Dichloroethene	1	0		18.0359	20	90		70	130
Ethyl-t-butyl ether	1	0		18.7895	20	94		70	130
cis-1.2-Dichloroethene	1	0		17.5271	20	88		70	130
Bromochloromethane	1	0		18.738	20	94		70	130
2.2-Dichloropropane	1	0		15.6447	20	78		70	130
Ethyl acetate	1	0		20.4861	20	102		70	130
1.4-Dioxane	1	0		1046.357	1000	105		70	130
1.1-Dichloropropene	1	0		19.0474	20	95		70	130
Chloroform	1	0		18.8014	20	94		70	130
Cyclohexane	1	0		20.0522	20	100		70	130
1.2-Dichloroethane	1	0		18.4433	20	92		70	130
2-Butanone	1	0		17.3859	20	87		70	130
1.1.1-Trichloroethane	1	0		18.7052	20	94		70	130
Carbon Tetrachloride	1	0		18.3409	20	92		70	130
Vinyl Acetate	1	0		18.0503	20	90		70	130
Bromodichloromethane	1	0		18.2779	20	91		70	130
Methylcyclohexane	1	0		19.4844	20	97		70	130
Dibromomethane	1	0		18.4407	20	92		70	130
1.2-Dichloropropane	1	0		18.7784	20	94		70	130
Trichloroethene	1	0		18.0593	20	90		70	130
Benzene	1	0		19.058	20	95		70	130
Iso-propylacetate	1	0		19.7288	20	99		70	130
Methyl methacrylate	1	0		20.4536	20	102		70	130
Dibromochloromethane	1	0		18.6629	20	93		70	130
2-Chloroethylvinylether	1	0		21.6971	20	108		70	130
cis-1.3-Dichloropropene	1	0		18.5835	20	93		70	130
trans-1.3-Dichloropropene	1	0		18.6895	20	93		70	130
Ethyl methacrylate	1	0		19.5641	20	98		70	130
1.1.2-Trichloroethane	1	0		19.7149	20	99		70	130
1.2-Dibromoethane	1	0		19.1938	20	96		70	130
1.3-Dichloropropane	1	0		19.8234	20	99		70	130
4-Methyl-2-Pentanone	1	0		20.2413	20	101		70	130
2-Hexanone	1	0		20.2479	20	101		70	130
Tetrachloroethene	1	0		19.6811	20	98		70	130
Toluene	1	0		19.2487	20	96		70	130
1.1.1.2-Tetrachloroethane	1	0		18.7227	20	94		70	130
Chlorobenzene	1	0		18.9316	20	95		70	130
n-Butyl acrylate	1	0		19.4847	20	97		70	130
n-Amyl acetate	1	0		18.9252	20	95		70	130
Bromoform	1	0		18.1968	20	91		70	130
Ethylbenzene	1	0		20.0047	20	100		70	130
1.1.2.2-Tetrachloroethane	1	0		19.4597	20	97		70	130
Styrene	1	0		18.4261	20	92		70	130
m&p-Xylenes	1	0		39.797	40	99		70	130
o-Xylene	1	0		18.243	20	91		70	130
trans-1.4-Dichloro-2-butene	1	0		18.5998	20	93		70	130
1.3-Dichlorobenzene	1	0		19.475	20	97		70	130
1.4-Dichlorobenzene	1	0		19.4864	20	97		70	130
1.2-Dichlorobenzene	1	0		19.0636	20	95		70	130
Isopropylbenzene	1	0		19.1434	20	96		70	130
1.2.3-Trichloropropane	1	0		20.498	20	102		70	130
2-Chlorotoluene	1	0		19.2967	20	96		70	130
4-Chlorotoluene	1	0		20.3464	20	102		70	130
n-Propylbenzene	1	0		21.2973	20	106		70	130
Bromobenzene	1	0		20.5992	20	103		70	130
1.3.5-Trimethylbenzene	1	0		21.0127	20	105		70	130
Butyl methacrylate	1	0		21.2327	20	106		70	130
t-Butylbenzene	1	0		20.003	20	100		70	130
1.2.4-Trimethylbenzene	1	0		19.6293	20	98		70	130
sec-Butylbenzene	1	0		19.6661	20	98		70	130
4-Isopropyltoluene	1	0		19.4798	20	97		70	130
n-Butylbenzene	1	0		18.5957	20	93		70	130
1.2-Dibromo-3-Chloropropane	1	0		18.9561	20	95		70	130
Hexachlorobutadiene	1	0		19.4097	20	97		70	130
1.2.4-Trichlorobenzene	1	0		19.7408	20	99		70	130
1.2.3-Trichlorobenzene	1	0		19.9061	20	100		70	130
Naphthalene	1	0		19.878	20	99		70	130

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M188308.D **Instrument:** GCMS 2

Cont Calibration Date/Time 8/9/2023 3:58:00 PM 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	5.09	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.68	21.49	20	20	0.1	0.290	0.311	7.45	
Dichlorodifluoromethane	1	0		1.67	4.56	20	20	0.1	0.256	0.058	77.19	C1
Chloromethane	1	0		1.84	7.70	20	20	0.1	0.185	0.071	61.49	C1
Bromomethane	1	0		2.24	10.29	20	20	0.1	0.221	0.114	48.56	C1
Vinyl Chloride	1	0		1.93	8.55	20	20	0.1	0.258	0.110	57.26	C1
Chloroethane	1	0		2.32	11.30	20	20	0.1	0.203	0.114	43.49	C1
Trichlorofluoromethane	1	0		2.54	13.19	20	20	0.1	0.591	0.390	34.07	C1
Ethyl ether	1	0		2.78	16.18	20	20	0.5	0.222	0.180	19.09	
Furan	1	0		2.82	16.92	20	20	0.5	0.342	0.290	15.40	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.98	14.69	20	20	0.1	0.248	0.182	26.57	C1
Methylene Chloride	1	0		3.39	16.49	20	20	0.1	0.276	0.227	17.56	
Acrolein	1	0		2.90	71.35	100	20		0.036	0.025	28.65	C1
Acrylonitrile	1	0		3.61	16.70	20	20		0.098	0.082	16.52	
Iodomethane	1	0		3.13	14.61	20	20		0.249	0.202	26.96	C1
Acetone	1	0		3.03	70.47	100	20	0.1	0.083	0.058	29.53	C1
Carbon Disulfide	1	0		3.20	12.73	20	20	0.1	0.480	0.305	36.37	C1
t-Butyl Alcohol	1	0		3.46	89.74	100	20		0.031	0.028	10.26	
n-Hexane	1	0		3.86	15.26	20	20		0.211	0.161	23.68	C1
Di-isopropyl-ether	1	0		4.01	17.39	20	20		0.621	0.540	13.06	
1,1-Dichloroethene	1	0		2.99	14.78	20	20	0.1	0.364	0.269	26.09	C1
Methyl Acetate	1	0		3.30	16.78	20	20	0.1	0.179	0.150	16.08	
Methyl-t-butyl ether	1	0		3.62	17.03	20	20	0.1	0.792	0.675	14.85	
1,1-Dichloroethane	1	0		3.98	16.81	20	20	0.2	0.437	0.368	15.93	
trans-1,2-Dichloroethene	1	0		3.63	15.67	20	20	0.1	0.284	0.222	21.67	C1
Ethyl-t-butyl ether	1	0		4.28	17.66	20	20	0.5	0.718	0.634	11.69	
cis-1,2-Dichloroethene	1	0		4.40	16.97	20	20	0.1	0.463	0.393	15.14	
Bromochloromethane	1	0		4.55	17.03	20	20		0.201	0.171	14.83	
2,2-Dichloropropane	1	0		4.40	17.72	20	20		0.419	0.371	11.40	
Ethyl acetate	1	0		4.42	17.06	20	20		0.283	0.241	14.69	
1,4-Dioxane	1	0		5.49	659.94	1000	20		0.003	0.002	34.01	C1
1,1-Dichloropropene	1	0		4.81	17.45	20	20		0.374	0.327	12.73	
Chloroform	1	0		4.59	18.29	20	20	0.2	0.518	0.474	8.54	
Dibromofluoromethane	1	0	S	4.69	27.69	30	**		0.349	0.322	7.70	
Cyclohexane	1	0		4.76	16.91	20	20	0.1	0.288	0.244	15.47	
1,2-Dichloroethane-d4	1	0	S	4.90	30.16	30	**		0.150	0.151	0.52	
1,2-Dichloroethane	1	0		4.94	17.82	20	20	0.1	0.430	0.383	10.89	
2-Butanone	1	0		4.40	17.29	20	20	0.1	0.109	0.094	13.54	
1,1,1-Trichloroethane	1	0		4.72	18.15	20	20	0.1	0.488	0.443	9.25	
Carbon Tetrachloride	1	0		4.82	17.03	20	20	0.1	0.449	0.382	14.86	
Vinyl Acetate	1	0		4.01	16.27	20	20		0.844	0.687	18.64	
Bromodichloromethane	1	0		5.56	17.42	20	20	0.2	0.419	0.365	12.90	
Methylcyclohexane	1	0		5.40	16.13	20	20	0.1	0.345	0.278	19.36	
Dibromomethane	1	0		5.49	17.10	20	20		0.274	0.234	14.51	
1,2-Dichloropropane	1	0		5.42	17.60	20	20	0.1	0.256	0.225	11.99	
Trichloroethene	1	0		5.29	16.97	20	20	0.2	0.358	0.304	15.17	
Benzene	1	0		4.93	16.95	20	20	0.5	1.036	0.878	15.25	
tert-Amyl methyl ether	1	0		4.98	17.21	20	20		0.770	0.662	13.97	
Chlorobenzene-d5	1	0	I	6.73	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.94	16.39	20	20	0.5	0.545	0.447	18.04	
Methyl methacrylate	1	0		5.45	17.36	20	20	0.5	0.238	0.206	13.21	
Dibromochloromethane	1	0		6.41	16.72	20	20	0.1	0.379	0.317	16.41	

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:** 2M188308.D **Instrument:** GCMS 2

Cont Calibration Date/Time 8/9/2023 3:58:00 PM 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	20.03	20	20		0.095	0.095	0.13	
cis-1,3-Dichloropropene	1	0		5.79	17.45	20	20	0.2	0.456	0.398	12.73	
trans-1,3-Dichloropropene	1	0		6.08	17.62	20	20	0.1	0.447	0.394	11.90	
Ethyl methacrylate	1	0		6.10	17.77	20	20	0.5	0.247	0.220	11.15	
1,1,2-Trichloroethane	1	0		6.19	17.83	20	20	0.1	0.292	0.260	10.83	
1,2-Dibromoethane	1	0		6.49	17.72	20	20	0.1	0.329	0.292	11.39	
1,3-Dichloropropane	1	0		6.28	17.81	20	20		0.463	0.412	10.95	
4-Methyl-2-Pentanone	1	0		5.86	17.25	20	20	0.1	0.266	0.229	13.76	
2-Hexanone	1	0		6.30	17.00	20	20	0.1	0.201	0.171	15.01	
Tetrachloroethene	1	0		6.28	17.23	20	20	0.2	0.296	0.255	13.87	
Toluene-d8	1	0	S	5.95	29.76	30	**		1.138	1.129	0.79	
Toluene	1	0		5.98	17.08	20	20	0.4	0.739	0.631	14.58	
1,1,1,2-Tetrachloroethane	1	0		6.78	17.00	20	20		0.331	0.282	14.99	
Chlorobenzene	1	0		6.74	17.23	20	20	0.5	0.888	0.765	13.86	
1,4-Dichlorobenzene-d4	1	0	I	8.01	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.99	16.66	20	20	0.5	0.975	0.812	16.70	
n-Amyl acetate	1	0		7.10	16.00	20	20	0.5	0.909	0.727	20.02	
Bromoform	1	0		7.20	16.49	20	20	0.1	0.536	0.442	17.57	
Ethylbenzene	1	0		6.78	17.41	20	20	0.1	0.650	0.566	12.96	
1,1,2,2-Tetrachloroethane	1	0		7.41	17.66	20	20	0.1	0.710	0.627	11.71	
Bromofluorobenzene	1	0	S	7.36	28.31	30	**		0.921	0.869	5.62	
Styrene	1	0		7.07	16.81	20	20	0.3	1.711	1.438	15.93	
m&p-Xylenes	1	0		6.84	34.43	40	20	0.1	0.970	0.835	13.94	
o-Xylene	1	0		7.06	16.55	20	20	0.3	1.013	0.838	17.23	
trans-1,4-Dichloro-2-butene	1	0		7.44	16.11	20	20		0.274	0.221	19.43	
1,3-Dichlorobenzene	1	0		7.98	16.90	20	20	0.6	1.202	1.016	15.48	
1,4-Dichlorobenzene	1	0		8.03	17.11	20	20	0.5	1.203	1.030	14.44	
1,2-Dichlorobenzene	1	0		8.25	16.73	20	20	0.4	1.124	0.941	16.33	
Isopropylbenzene	1	0		7.26	16.94	20	20	0.1	2.292	1.942	15.28	
Cyclohexanone	1	0		7.34	40.58	100	20		0.043	0.017	59.42	C1
Camphene	1	0		7.43	20.46	20	20		0.541	0.554	2.29	
1,2,3-Trichloropropane	1	0		7.45	17.50	20	20		0.838	0.733	12.52	
2-Chlorotoluene	1	0		7.56	18.41	20	20		1.303	1.199	7.95	
p-Ethyltoluene	1	0		7.54	17.97	20	20		2.308	2.074	10.15	
4-Chlorotoluene	1	0		7.61	18.88	20	20		1.318	1.245	5.60	
n-Propylbenzene	1	0		7.48	18.54	20	20		2.434	2.255	7.32	
Bromobenzene	1	0		7.46	18.74	20	20		1.308	1.226	6.32	
1,3,5-Trimethylbenzene	1	0		7.57	18.84	20	20		1.673	1.576	5.80	
Butyl methacrylate	1	0		7.58	17.76	20	20	0.5	0.585	0.520	11.21	
t-Butylbenzene	1	0		7.77	17.43	20	20		1.801	1.569	12.87	
1,2,4-Trimethylbenzene	1	0		7.79	17.16	20	20		1.874	1.607	14.22	
sec-Butylbenzene	1	0		7.89	17.21	20	20		2.126	1.830	13.94	
4-Isopropyltoluene	1	0		7.96	16.74	20	20		1.894	1.585	16.32	
n-Butylbenzene	1	0		8.20	16.68	20	20		1.893	1.579	16.58	
p-Diethylbenzene	1	0		8.18	16.47	20	20		1.135	0.935	17.63	
1,2,4,5-Tetramethylbenzene	1	0		8.64	16.81	20	20		1.517	1.275	15.95	
1,2-Dibromo-3-Chloropropane	1	0		8.70	16.98	20	20	0.05	0.187	0.159	15.12	
Camphor	1	0		9.14	163.75	200	20		0.070	0.057	18.13	
Hexachlorobutadiene	1	0		9.27	17.45	20	20		0.266	0.232	12.76	
1,2,4-Trichlorobenzene	1	0		9.20	15.68	20	20	0.2	0.562	0.441	21.58	C1
1,2,3-Trichlorobenzene	1	0		9.49	15.11	20	20		0.478	0.361	24.46	C1
Naphthalene	1	0		9.35	15.14	20	20		1.593	1.206	24.31	C1

S-Surrogate Compound
N/O or N/Q - Not applicable for this run

I-Internal Standard Compound
C1-Compound %Diff exceeds limits

** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.
625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : MN Qt Meth : 2M_A0807.M
Data File: 2M188308.D Sam Mult : 1 Vial# : 7 Qt On : 08/09/23 16:13
Acq On : 08/09/23 15:58 Misc : A,5ML Qt Upd On: 08/08/23 13:47

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.087	96	246544	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.726	117	246334	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	139021	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	79429	27.69	ug/l	-0.01
Spiked Amount 30.000			Recovery = 92.30%			
39) 1,2-Dichloroethane-d4	4.898	67	37288	30.16	ug/l	-0.01
Spiked Amount 30.000			Recovery = 100.53%			
66) Toluene-d8	5.946	98	278219	29.76	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.20%			
76) Bromofluorobenzene	7.361	174	120794	28.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.37%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.679	51	51156	21.4903	ug/l	21
6) Dichlorodifluoromethane	1.673	85	9593	4.5626	ug/l	96
7) Chloromethane	1.837	50	11716	7.7014	ug/l	93
8) Bromomethane	2.239	94	18657	10.2873	ug/l	96
9) Vinyl Chloride	1.935	62	18125	8.5471	ug/l	96
10) Chloroethane	2.319	64	18819	11.3019	ug/l	98
11) Trichlorofluoromethane	2.544	101	64066	13.1857	ug/l	98
12) Ethyl ether	2.782	59	29575m	16.1829	ug/l	
13) Furan	2.819	39	47609m	16.9203	ug/l	
14) 1,1,2-Trichloro-1,2,2-...	2.977	101	29924	14.6851	ug/l	96
15) Methylene Chloride	3.392	84	37363m	16.4879	ug/l	
16) Acrolein	2.898	56	20944	71.3489	ug/l	93
17) Acrylonitrile	3.605	53	13441	16.6965	ug/l	99
18) Iodomethane	3.130	142	33191	14.6088	ug/l	94
19) Acetone	3.026	43	47959	70.4722	ug/l	96
20) Carbon Disulfide	3.197	76	50154	12.7262	ug/l	100
21) t-Butyl Alcohol	3.465	59	22985m	89.7443	ug/l	
22) n-Hexane	3.855	57	26422m	15.2635	ug/l	
23) Di-isopropyl-ether	4.014	45	88790	17.3877	ug/l	88
24) 1,1-Dichloroethene	2.989	61	44259	14.7829	ug/l	93
25) Methyl Acetate	3.300	43	24648m	16.7848	ug/l	
26) Methyl-t-butyl ether	3.623	73	110874	17.0309	ug/l	98
27) 1,1-Dichloroethane	3.977	63	60411	16.8141	ug/l	95
28) trans-1,2-Dichloroethene	3.629	96	36542m	15.6666	ug/l	
29) Ethyl-t-butyl ether	4.276	59	104283	17.6624	ug/l	98
30) cis-1,2-Dichloroethene	4.398	61	64531	16.9727	ug/l	97
31) Bromochloromethane	4.550	49	28173	17.0332	ug/l	96
32) 2,2-Dichloropropane	4.398	77	60998	17.7200	ug/l	99
33) Ethyl acetate	4.422	43	39636m	17.0615	ug/l	
34) 1,4-Dioxane	5.489	88	17955	659.9425	ug/l	94
35) 1,1-Dichloropropene	4.812	75	53700	17.4542	ug/l	97
36) Chloroform	4.593	83	77932	18.2914	ug/l	95
38) Cyclohexane	4.757	56	40075	16.9054	ug/l	99
40) 1,2-Dichloroethane	4.940	62	62983	17.8225	ug/l	99
41) 2-Butanone	4.398	43	15501m	17.2914	ug/l	
42) 1,1,1-Trichloroethane	4.721	97	72842	18.1510	ug/l	99
43) Carbon Tetrachloride	4.818	117	62834	17.0273	ug/l	98
44) Vinyl Acetate	4.007	43	112919	16.2723	ug/l	100
45) Bromodichloromethane	5.556	83	60023	17.4196	ug/l	98
46) Methylcyclohexane	5.404	83	45685	16.1284	ug/l	97
47) Dibromomethane	5.489	174	38493	17.0979	ug/l	96
48) 1,2-Dichloropropane	5.416	63	36981	17.6014	ug/l	96
49) Trichloroethene	5.294	130	49929	16.9663	ug/l	98
50) Benzene	4.934	78	144301	16.9496	ug/l	100
51) tert-Amyl methyl ether	4.977	73	108853	17.2055	ug/l	98
53) Iso-propylacetate	4.940	43	73385	16.3930	ug/l	99
54) Methyl methacrylate	5.446	41	33871	17.3573	ug/l	93
55) Dibromochloromethane	6.409	129	51985	16.7188	ug/l	95
56) 2-Chloroethylvinylether	5.696	63	15682	20.0257	ug/l	92
57) cis-1,3-Dichloropropene	5.794	75	65406	17.4539	ug/l	96
58) trans-1,3-Dichloropropene	6.080	75	64739	17.6199	ug/l	96
59) Ethyl methacrylate	6.099	41	36064	17.7707	ug/l	94
60) 1,1,2-Trichloroethane	6.190	97	42689	17.8347	ug/l	98
61) 1,2-Dibromoethane	6.489	107	47878	17.7230	ug/l	95
62) 1,3-Dichloropropane	6.281	76	67639	17.8101	ug/l	99
63) 4-Methyl-2-Pentanone	5.861	43	37681	17.2479	ug/l	96
64) 2-Hexanone	6.300	43	28113	16.9984	ug/l	93
65) Tetrachloroethene	6.281	164	41902	17.2270	ug/l	100
67) Toluene	5.983	92	103685	17.0848	ug/l	97

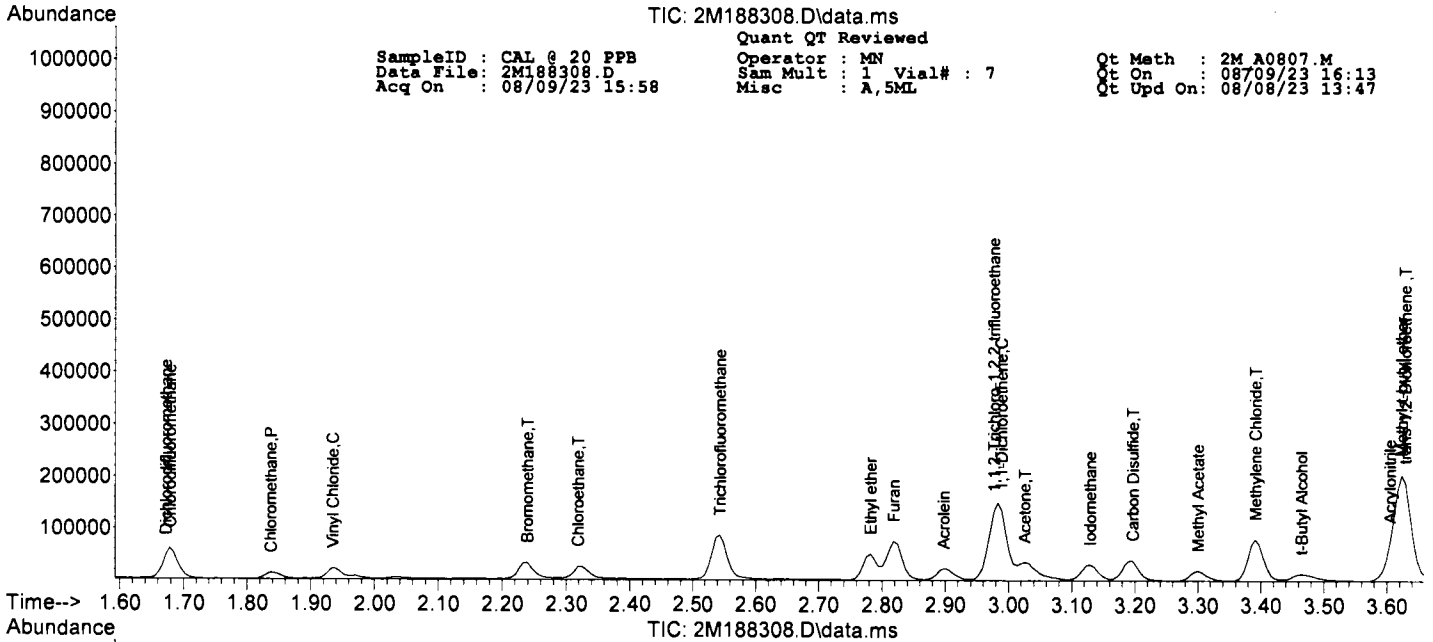
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : MN Qt Meth : 2M_A0807.M
Data File: 2M188308.D Sam Mult : 1 Vial# : 7 Qt On : 08/09/23 16:13
Acq On : 08/09/23 15:58 Misc : A,5ML Qt Upd On: 08/08/23 13:47

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.775	133	46236	17.0013	ug/l	99
69)	Chlorobenzene	6.745	112	125681	17.2284	ug/l	100
71)	n-Butyl acrylate	6.989	55	75258	16.6606	ug/l	98
72)	n-Amyl acetate	7.104	43	67348	15.9951	ug/l	97
73)	Bromoform	7.196	173	40971m	16.4867	ug/l	
74)	Ethylbenzene	6.781	106	52427	17.4077	ug/l	95
75)	1,1,2,2-Tetrachloroethane	7.409	83	58082	17.6584	ug/l	97
77)	Styrene	7.068	104	133294	16.8145	ug/l	96
78)	m&p-Xylenes	6.842	106	154739	34.4252	ug/l	95
79)	o-Xylene	7.062	106	77705	16.5547	ug/l	93
80)	trans-1,4-Dichloro-2-b...	7.440	53	20441	16.1144	ug/l	91
81)	1,3-Dichlorobenzene	7.982	146	94164	16.9041	ug/l	99
82)	1,4-Dichlorobenzene	8.031	146	95417	17.1111	ug/l	99
83)	1,2-Dichlorobenzene	8.251	146	87174	16.7333	ug/l	99
84)	Isopropylbenzene	7.257	105	180010	16.9448	ug/l	98
85)	Cyclohexanone	7.336	55	8024m	40.5760	ug/l	
86)	Camphene	7.428	93	51327	20.4589	ug/l	98
87)	1,2,3-Trichloropropane	7.452	75	67922	17.4961	ug/l	96
88)	2-Chlorotoluene	7.556	91	111139	18.4092	ug/l	96
89)	p-Ethyltoluene	7.543	105	192175	17.9703	ug/l	99
90)	4-Chlorotoluene	7.610	91	115348	18.8799	ug/l	98
91)	n-Propylbenzene	7.482	91	209035	18.5351	ug/l	99
92)	Bromobenzene	7.458	77	113599	18.7359	ug/l	95
93)	1,3,5-Trimethylbenzene	7.574	105	146040	18.8405	ug/l	97
94)	Butyl methacrylate	7.580	41	48166	17.7577	ug/l	97
95)	t-Butylbenzene	7.769	119	145452	17.4255	ug/l	99
96)	1,2,4-Trimethylbenzene	7.793	105	148984	17.1567	ug/l	99
97)	sec-Butylbenzene	7.891	105	169585	17.2128	ug/l	96
98)	4-Isopropyltoluene	7.964	119	146908	16.7354	ug/l	99
99)	n-Butylbenzene	8.202	91	146352	16.6839	ug/l	99
100)	p-Diethylbenzene	8.184	119	86664	16.4749	ug/l	98
101)	1,2,4,5-Tetramethylben...	8.641	119	118201	16.8092	ug/l	95
102)	1,2-Dibromo-3-Chloropr...	8.702	157	14698m	16.9752	ug/l	
103)	Camphor	9.141	95	53272	163.7491	ug/l	98
104)	Hexachlorobutadiene	9.275	225	21489	17.4482	ug/l	94
105)	1,2,4-Trichlorobenzene	9.196	180	40832m	15.6836	ug/l	
106)	1,2,3-Trichlorobenzene	9.494	180	33445	15.1090	ug/l	94
107)	Naphthalene	9.354	128	111776	15.1373	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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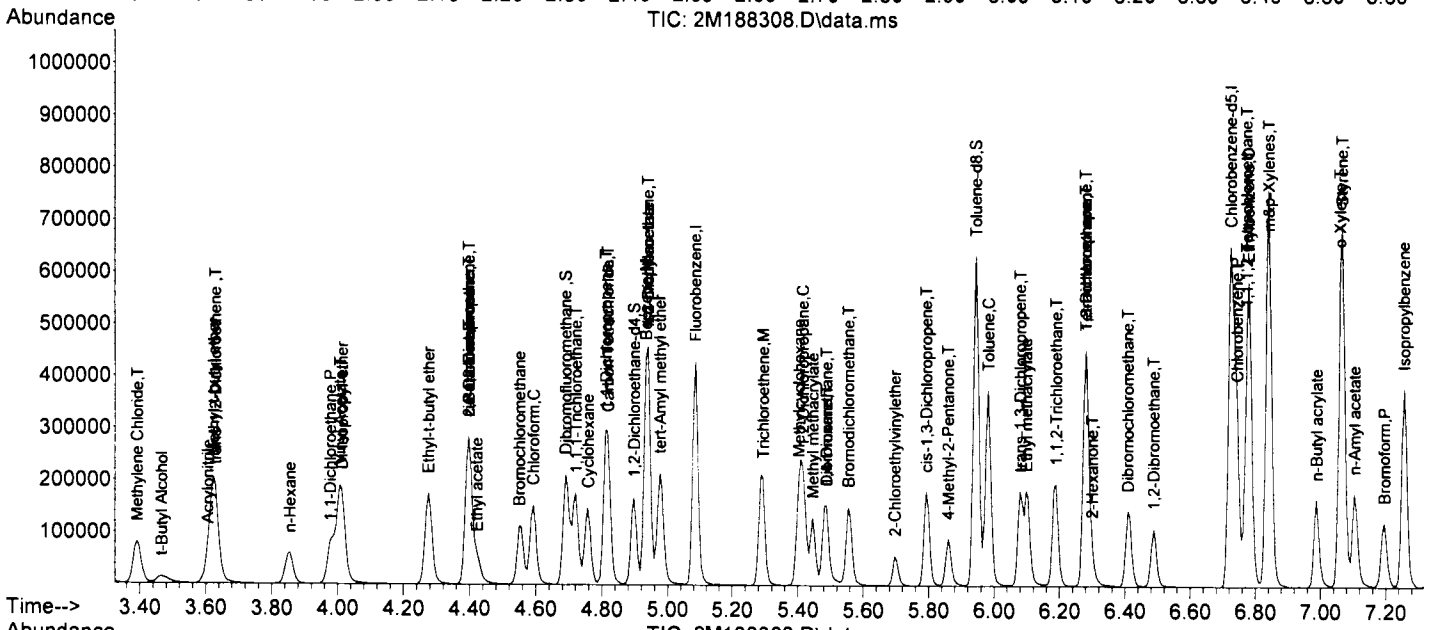
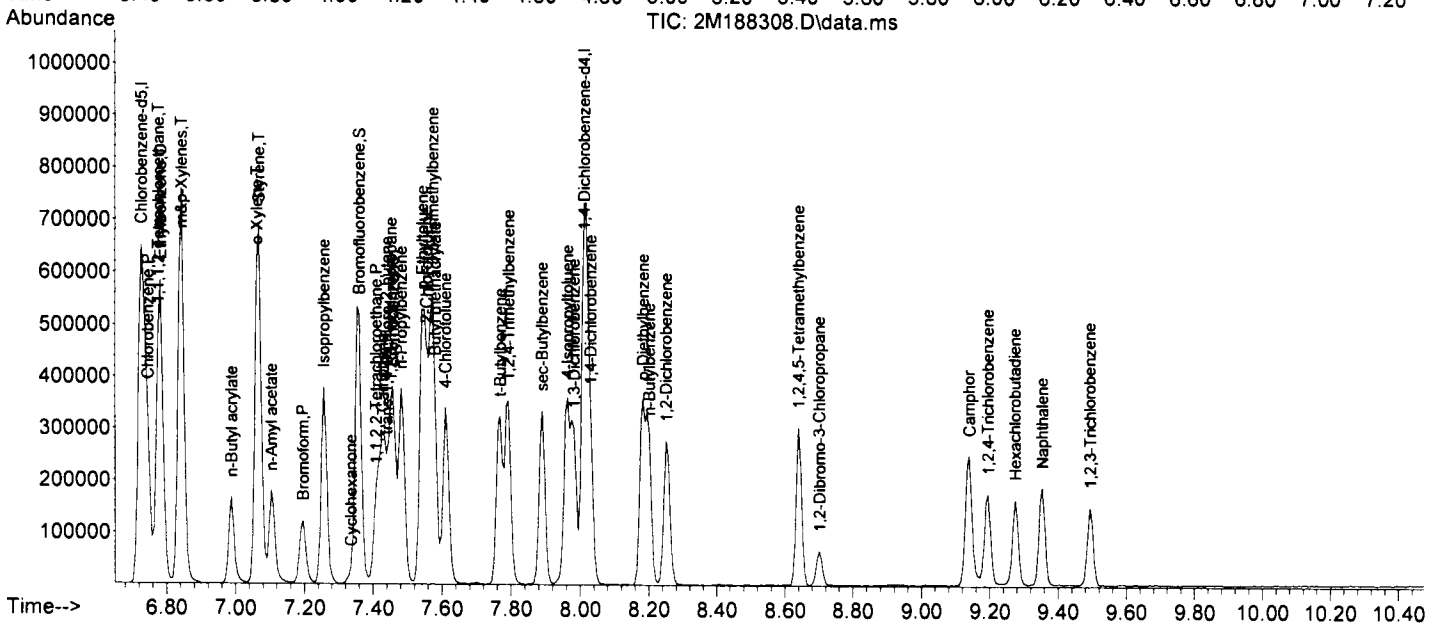
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M188308.D
Acq On : 08/09/23 15:58
Operator : MN
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/09/23 16:13
Qt Upd On: 08/08/23 13:47
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Time-->


Abundance
TIC: 2M188308.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 2M188308.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
4-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M177251.D **Instrument:** GCMS 1

Cont Calibration Date/Time 8/10/2023 9:37:00 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	5.16	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	30.00	20	20	0.1	0.382	0.573	49.98	C1
Dichlorodifluoromethane	1	0		1.67	5.78	20	20	0.1	0.190	0.055	71.09	C1
Chloromethane	1	0		1.84	9.60	20	20	0.1	0.301	0.144	52.00	C1
Bromomethane	1	0		2.22	11.79	20	20	0.1	0.150	0.089	41.04	C1
Vinyl Chloride	1	0		1.93	11.29	20	20	0.1	0.256	0.145	43.55	C1
Chloroethane	1	0		2.31	16.29	20	20	0.1	0.179	0.146	18.53	
Trichlorofluoromethane	1	0		2.52	16.00	20	20	0.1	0.307	0.245	19.99	
Ethyl ether	1	0		2.75	16.24	20	20	0.5	0.297	0.241	18.78	
Furan	1	0		2.79	18.12	20	20	0.5	0.509	0.461	9.40	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.95	17.10	20	20	0.1	0.164	0.140	14.48	
Methylene Chloride	1	0		3.35	16.65	20	20	0.1	0.248	0.207	16.73	
Acrolein	1	0		2.86	94.42	100	20		0.057	0.054	5.58	
Acrylonitrile	1	0		3.56	17.84	20	20		0.180	0.161	10.82	
Iodomethane	1	0		3.09	11.79	20	20		0.195	0.115	41.07	C1
Acetone	1	0		2.99	94.15	100	20	0.1	0.133	0.125	5.85	
Carbon Disulfide	1	0		3.16	16.53	20	20	0.1	0.416	0.344	17.33	
t-Butyl Alcohol	1	0		3.43	74.82	100	20		0.043	0.032	25.18	C1
n-Hexane	1	0		3.82	18.63	20	20		0.248	0.231	6.84	
Di-isopropyl-ether	1	0		4.00	19.30	20	20		0.971	0.937	3.51	
1,1-Dichloroethene	1	0		2.96	17.54	20	20	0.1	0.386	0.339	12.32	
Methyl Acetate	1	0		3.26	16.36	20	20	0.1	0.360	0.295	18.19	
Methyl-t-butyl ether	1	0		3.59	16.20	20	20	0.1	0.675	0.546	19.01	
1,1-Dichloroethane	1	0		3.96	18.23	20	20	0.2	0.506	0.461	8.87	
trans-1,2-Dichloroethene	1	0		3.60	17.80	20	20	0.1	0.204	0.182	11.01	
Ethyl-t-butyl ether	1	0		4.29	18.08	20	20	0.5	0.806	0.729	9.58	
cis-1,2-Dichloroethene	1	0		4.42	23.60	20	20	0.1	0.413	0.488	17.98	
Bromochloromethane	1	0		4.59	20.55	20	20		0.265	0.272	2.75	
2,2-Dichloropropane	1	0		4.42	23.81	20	20		0.255	0.304	19.05	
Ethyl acetate	1	0		4.45	19.66	20	20		0.356	0.350	1.71	
1,4-Dioxane	1	0		5.58	973.97	1000	20		0.003	0.003	2.60	
1,1-Dichloropropene	1	0		4.87	23.10	20	20		0.243	0.281	15.49	
Chloroform	1	0		4.63	21.82	20	20	0.2	0.403	0.439	9.09	
Dibromofluoromethane	1	0	S	4.73	29.04	30	**		0.284	0.275	3.20	
Cyclohexane	1	0		4.81	22.77	20	20	0.1	0.275	0.314	13.86	
1,2-Dichloroethane-d4	1	0	S	4.96	28.81	30	**		0.186	0.179	3.95	
1,2-Dichloroethane	1	0		5.01	20.11	20	20	0.1	0.426	0.428	0.55	
2-Butanone	1	0		4.42	18.70	20	20	0.1	0.146	0.136	6.52	
1,1,1-Trichloroethane	1	0		4.77	22.27	20	20	0.1	0.317	0.354	11.36	
Carbon Tetrachloride	1	0		4.88	23.68	20	20	0.1	0.219	0.260	18.40	
Vinyl Acetate	1	0		3.98	20.70	20	20		1.083	1.121	3.49	
Bromodichloromethane	1	0		5.66	20.83	20	20	0.2	0.312	0.325	4.16	
Methylcyclohexane	1	0		5.50	22.91	20	20	0.1	0.175	0.200	14.54	
Dibromomethane	1	0		5.58	17.74	20	20		0.141	0.125	11.32	
1,2-Dichloropropane	1	0		5.51	20.51	20	20	0.1	0.269	0.276	2.57	
Trichloroethene	1	0		5.38	22.69	20	20	0.2	0.178	0.201	13.47	
Benzene	1	0		5.00	23.54	20	20	0.5	0.767	0.903	17.72	
tert-Amyl methyl ether	1	0		5.05	19.35	20	20		0.516	0.499	3.25	
Chlorobenzene-d5	1	0	I	6.88	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		5.01	18.26	20	20	0.5	0.759	0.693	8.68	
Methyl methacrylate	1	0		5.55	18.53	20	20	0.5	0.360	0.333	7.36	
Dibromochloromethane	1	0		6.55	18.51	20	20	0.1	0.260	0.240	7.46	

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:** 1M177251.D **Instrument:** GCMS 1

Cont Calibration Date/Time 8/10/2023 9:37:00 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		5.51	19.02	20	20		0.339	0.322	4.92	
cis-1,3-Dichloropropene	1	0		5.91	21.04	20	20	0.2	0.394	0.415	5.18	
trans-1,3-Dichloropropene	1	0		6.21	19.75	20	20	0.1	0.394	0.389	1.23	
Ethyl methacrylate	1	0		6.24	16.68	20	20	0.5	0.332	0.340	16.58	
1,1,2-Trichloroethane	1	0		6.32	19.35	20	20	0.1	0.270	0.261	3.23	
1,2-Dibromoethane	1	0		6.63	18.71	20	20	0.1	0.265	0.248	6.47	
1,3-Dichloropropane	1	0		6.42	20.27	20	20		0.446	0.452	1.34	
4-Methyl-2-Pentanone	1	0		5.98	19.01	20	20	0.1	0.352	0.335	4.94	
2-Hexanone	1	0		6.44	18.90	20	20	0.1	0.271	0.256	5.49	
Tetrachloroethene	1	0		6.42	22.09	20	20	0.2	0.160	0.176	10.46	
Toluene-d8	1	0	S	6.07	29.19	30	**		1.307	1.272	2.70	
Toluene	1	0		6.11	22.75	20	20	0.4	0.586	0.667	13.77	
1,1,1,2-Tetrachloroethane	1	0		6.94	19.71	20	20		0.214	0.211	1.46	
Chlorobenzene	1	0		6.90	22.80	20	20	0.5	0.610	0.695	14.00	
1,4-Dichlorobenzene-d4	1	0	I	8.19	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.16	16.63	20	20	0.5	1.095	1.359	16.83	
n-Amyl acetate	1	0		7.28	16.42	20	20	0.5	1.079	1.432	17.88	
Bromoform	1	0		7.36	17.55	20	20	0.1	0.343	0.301	12.27	
Ethylbenzene	1	0		6.94	24.00	20	20	0.1	0.494	0.593	19.99	
1,1,2,2-Tetrachloroethane	1	0		7.58	20.09	20	20	0.1	0.736	0.740	0.44	
Bromofluorobenzene	1	0	S	7.53	30.68	30	**		0.773	0.790	2.26	
Styrene	1	0		7.23	27.09	20	20	0.3	1.189	1.610	35.43	C1
m&p-Xylenes	1	0		7.00	43.13	40	20	0.1	0.648	0.699	7.82	
o-Xylene	1	0		7.23	22.86	20	20	0.3	0.688	0.786	14.29	
trans-1,4-Dichloro-2-butene	1	0		7.61	21.60	20	20		0.389	0.420	7.98	
1,3-Dichlorobenzene	1	0		8.16	23.70	20	20	0.6	0.743	0.880	18.48	
1,4-Dichlorobenzene	1	0		8.21	23.82	20	20	0.5	0.795	0.947	19.08	
1,2-Dichlorobenzene	1	0		8.43	23.54	20	20	0.4	0.712	0.838	17.72	
Isopropylbenzene	1	0		7.43	29.29	20	20	0.1	1.367	2.002	46.44	C1
Cyclohexanone	1	0		7.51	212.49	100	20		0.046	0.097	112.49	C1
Camphene	1	0		7.60	23.83	20	20		0.438	0.522	19.16	
1,2,3-Trichloropropane	1	0		7.62	19.87	20	20		0.920	0.914	0.67	
2-Chlorotoluene	1	0		7.73	23.94	20	20		1.165	1.394	19.68	
p-Ethyltoluene	1	0		7.72	30.59	20	20		1.529	2.338	52.93	C1
4-Chlorotoluene	1	0		7.79	27.35	20	20		1.142	1.561	36.73	C1
n-Propylbenzene	1	0		7.66	28.74	20	20		1.873	2.691	43.71	C1
Bromobenzene	1	0		7.63	21.99	20	20		1.341	1.474	9.93	
1,3,5-Trimethylbenzene	1	0		7.75	23.81	20	20		1.214	1.445	19.05	
Butyl methacrylate	1	0		7.76	17.46	20	20	0.5	0.838	1.031	12.72	
t-Butylbenzene	1	0		7.95	23.94	20	20		1.007	1.205	19.72	
1,2,4-Trimethylbenzene	1	0		7.97	22.57	20	20		1.168	1.759	12.85	
sec-Butylbenzene	1	0		8.07	30.28	20	20		1.259	1.907	51.42	C1
4-Isopropyltoluene	1	0		8.14	21.85	20	20		0.973	1.541	9.23	
n-Butylbenzene	1	0		8.38	31.81	20	20		1.211	1.926	59.05	C1
p-Diethylbenzene	1	0		8.36	21.21	20	20		0.587	0.849	6.07	
1,2,4,5-Tetramethylbenzene	1	0		8.83	16.56	20	20		0.713	1.087	17.22	
1,2-Dibromo-3-Chloropropane	1	0		8.88	18.94	20	20	0.05	0.120	0.114	5.29	
Camphor	1	0		9.32	150.22	200	20		0.054	0.056	24.89	C1
Hexachlorobutadiene	1	0		9.46	22.90	20	20		0.136	0.156	14.49	
1,2,4-Trichlorobenzene	1	0		9.37	23.08	20	20	0.2	0.307	0.355	15.41	
1,2,3-Trichlorobenzene	1	0		9.68	22.42	20	20		0.261	0.292	12.11	
Naphthalene	1	0		9.53	16.10	20	20		0.921	1.048	19.50	

S-Surrogate Compound
N/O or N/Q - Not applicable for this run

I-Internal Standard Compound
C1-Compound %Diff exceeds limits

** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : MN Qt Meth : 1M_A0801.M
Data File: 1M177251.D Sam Mult : 1 Vial# : 3 Qt On : 08/10/23 09:52
Acq On : 08/10/23 09:37 Misc : A,5ML Qt Upd On: 08/03/23 19:36

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1275848	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.881	117	1091340	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	526539	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.733	111	351337	29.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.80%			
39) 1,2-Dichloroethane-d4	4.959	67	228462	28.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.03%			
66) Toluene-d8	6.068	98	1388398	29.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.30%			
76) Bromofluorobenzene	7.531	174	416084	30.68	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.27%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.689	51	487218m	29.9965	ug/l	
6) Dichlorodifluoromethane	1.669	85	46606m	5.7824	ug/l	
7) Chloromethane	1.843	50	122767m	9.6003	ug/l	
8) Bromomethane	2.222	94	75315m	11.7915	ug/l	
9) Vinyl Chloride	1.930	62	122950m	11.2897	ug/l	
10) Chloroethane	2.306	64	124001m	16.2948	ug/l	
11) Trichlorofluoromethane	2.518	101	208640m	16.0017	ug/l	
12) Ethyl ether	2.753	59	205166m	16.2431	ug/l	
13) Furan	2.791	39	392488m	18.1197	ug/l	
14) 1,1,2-Trichloro-1,2,2-...	2.952	101	119315m	17.1048	ug/l	
15) Methylene Chloride	3.351	84	175907m	16.6537	ug/l	
16) Acrolein	2.859	56	227630m	94.4246	ug/l	
17) Acrylonitrile	3.560	53	136842m	17.8357	ug/l	
18) Iodomethane	3.094	142	97980m	11.7860	ug/l	
19) Acetone	2.988	43	533051m	94.1510	ug/l	
20) Carbon Disulfide	3.164	76	292516m	16.5346	ug/l	
21) t-Butyl Alcohol	3.428	59	135767	74.8176	ug/l	87
22) n-Hexane	3.824	57	196838	18.6324	ug/l	98
23) Di-isopropyl-ether	3.997	45	797206	19.2971	ug/l	67
24) 1,1-Dichloroethene	2.959	61	288054	17.5356	ug/l	78
25) Methyl Acetate	3.261	43	250625m	16.3625	ug/l	
26) Methyl-t-butyl ether	3.589	73	464751	16.1986	ug/l	74
27) 1,1-Dichloroethane	3.955	63	392517	18.2267	ug/l	90
28) trans-1,2-Dichloroethene	3.595	96	154422	17.7983	ug/l	60
29) Ethyl-t-butyl ether	4.290	59	619972	18.0845	ug/l	87
30) cis-1,2-Dichloroethene	4.415	61	414838	23.5957	ug/l	80
31) Bromochloromethane	4.586	49	231649	20.5502	ug/l	61
32) 2,2-Dichloropropane	4.418	77	258399m	23.8102	ug/l	
33) Ethyl acetate	4.450	43	298012m	19.6573	ug/l	
34) 1,4-Dioxane	5.582	88	136539m	973.9690	ug/l	
35) 1,1-Dichloropropene	4.868	75	239159m	23.0984	ug/l	
36) Chloroform	4.627	83	373688	21.8174	ug/l	99
38) Cyclohexane	4.814	56	266710	22.7723	ug/l	70
40) 1,2-Dichloroethane	5.007	62	364114	20.1101	ug/l	96
41) 2-Butanone	4.415	43	115779	18.6961	ug/l	62
42) 1,1,1-Trichloroethane	4.769	97	300712	22.2711	ug/l	95
43) Carbon Tetrachloride	4.878	117	220850	23.6792	ug/l	96
44) Vinyl Acetate	3.984	43	953207	20.6978	ug/l	100
45) Bromodichloromethane	5.659	83	276126	20.8325	ug/l	96
46) Methylcyclohexane	5.502	83	170276m	22.9085	ug/l	
47) Dibromomethane	5.579	174	106103	17.7369	ug/l	88
48) 1,2-Dichloropropane	5.508	63	234467	20.5144	ug/l	97
49) Trichloroethene	5.377	130	171385	22.6943	ug/l	86
50) Benzene	5.004	78	768242	23.5444	ug/l	100
51) tert-Amyl methyl ether	5.052	73	424446	19.3495	ug/l	75
53) Iso-propylacetate	5.010	43	504234	18.2634	ug/l	87
54) Methyl methacrylate	5.547	41	242449	18.5275	ug/l	58
55) Dibromochloromethane	6.550	129	174920	18.5072	ug/l	99
56) 2-Chloroethylvinylether	5.508	63	234467	19.0153	ug/l	67
57) cis-1,3-Dichloropropene	5.910	75	301832	21.0365	ug/l	92
58) trans-1,3-Dichloropropene	6.209	75	283110	19.7533	ug/l	96
59) Ethyl methacrylate	6.241	41	247719	16.6844	ug/l	58
60) 1,1,2-Trichloroethane	6.322	97	189954	19.3534	ug/l	92
61) 1,2-Dibromoethane	6.630	107	180572	18.7052	ug/l	98
62) 1,3-Dichloropropane	6.418	76	328738	20.2671	ug/l	98
63) 4-Methyl-2-Pentanone	5.984	43	243416	19.0112	ug/l	86
64) 2-Hexanone	6.441	43	186026	18.9015	ug/l	93
65) Tetrachloroethene	6.421	164	128179	22.0914	ug/l	95
67) Toluene	6.106	92	484988	22.7538	ug/l	85

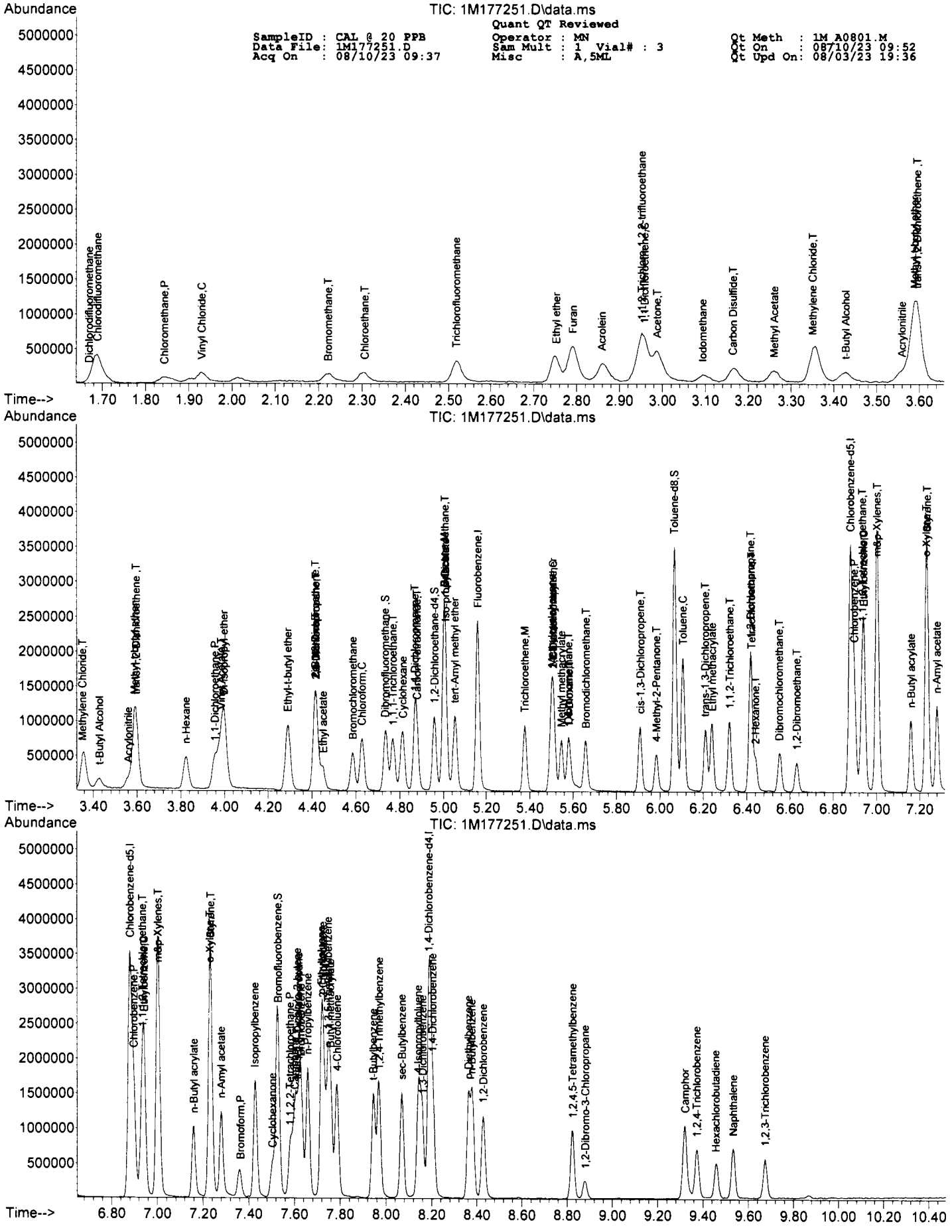
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : MN Qt Meth : 1M_A0801.M
Data File: 1M177251.D Sam Mult : 1 Vial# : 3 Qt On : 08/10/23 09:52
Acq On : 08/10/23 09:37 Misc : A,5ML Qt Upd On: 08/03/23 19:36

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.936	133	153268	19.7080	ug/l	97
69)	Chlorobenzene	6.897	112	505848	22.8007	ug/l	94
71)	n-Butyl acrylate	7.161	55	477206	16.6339	ug/l	85
72)	n-Amyl acetate	7.280	43	502827m	16.4232	ug/l	
73)	Bromoform	7.364	173	105768	17.5463	ug/l	90
74)	Ethylbenzene	6.942	106	208166m	23.9975	ug/l	
75)	1,1,2,2-Tetrachloroethane	7.582	83	259615	20.0877	ug/l	97
77)	Styrene	7.235	104	565025	27.0851	ug/l	91
78)	m&p-Xylenes	7.003	106	490399m	43.1263	ug/l	
79)	o-Xylene	7.232	106	275987m	22.8581	ug/l	
80)	trans-1,4-Dichloro-2-b...	7.614	53	147488	21.5961	ug/l	69
81)	1,3-Dichlorobenzene	8.161	146	308934m	23.6966	ug/l	
82)	1,4-Dichlorobenzene	8.206	146	332425	23.8157	ug/l	99
83)	1,2-Dichlorobenzene	8.431	146	294263	23.5439	ug/l	95
84)	Isopropylbenzene	7.428	105	702861	29.2878	ug/l	97
85)	Cyclohexanone	7.505	55	170768	212.4867	ug/l	85
86)	Camphene	7.601	93	183169m	23.8317	ug/l	
87)	1,2,3-Trichloropropane	7.621	75	320782	19.8660	ug/l	97
88)	2-Chlorotoluene	7.727	91	489315m	23.9354	ug/l	
89)	p-Ethyltoluene	7.720	105	820675	30.5856	ug/l	90
90)	4-Chlorotoluene	7.788	91	548032m	27.3452	ug/l	
91)	n-Propylbenzene	7.659	91	944741	28.7428	ug/l	92
92)	Bromobenzene	7.630	77	517392	21.9866	ug/l	83
93)	1,3,5-Trimethylbenzene	7.749	105	507323m	23.8093	ug/l	
94)	Butyl methacrylate	7.759	41	361917m	17.4570	ug/l	
95)	t-Butylbenzene	7.946	119	423083m	23.9448	ug/l	
96)	1,2,4-Trimethylbenzene	7.971	105	617455	22.5699	ug/l	93
97)	sec-Butylbenzene	8.071	105	669346	30.2836	ug/l	94
98)	4-Isopropyltoluene	8.142	119	540889	21.8455	ug/l	95
99)	n-Butylbenzene	8.380	91	676000	31.8102	ug/l	98
100)	p-Diethylbenzene	8.364	119	298041	21.2145	ug/l	91
101)	1,2,4,5-Tetramethylben...	8.827	119	381633m	16.5566	ug/l	
102)	1,2-Dibromo-3-Chloropr...	8.881	157	39881	18.9429	ug/l	90
103)	Camphor	9.322	95	197733m	150.2234	ug/l	
104)	Hexachlorobutadiene	9.457	225	54737	22.8988	ug/l	95
105)	1,2,4-Trichlorobenzene	9.373	180	124545	23.0818	ug/l	96
106)	1,2,3-Trichlorobenzene	9.675	180	102549	22.4219	ug/l	98
107)	Naphthalene	9.534	128	367759	16.1003	ug/l	99

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


Abundance
TIC: 1M177251.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 1M177251.D
Acq On : 08/10/23 09:37
Operator : MN
Sam Mult : 1 Vial# : 3
Misc : A,5ML
Qt Meth : 1M_A0801.M
Qt On : 08/10/23 09:52
Qt Upd On: 08/03/23 19:36
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 1M177251.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Time-->

Abundance
TIC: 1M177251.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
1,1,1,2-Tetrachloroethane,T
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
4-Chlorotoluene
1,3,5-Trimethylbenzene
t-Butylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 1M177298.D **Instrument:** GCMS 1

Cont Calibration Date/Time 8/11/2023 8:08:00 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	5.16	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.69	31.55	20	20	0.1	0.382	0.602	57.75	C1
Dichlorodifluoromethane	1	0		1.67	7.91	20	20	0.1	0.190	0.075	60.47	C1
Chloromethane	1	0		1.85	10.21	20	20	0.1	0.301	0.153	48.97	C1
Bromomethane	1	0		2.22	12.68	20	20	0.1	0.150	0.095	36.60	C1
Vinyl Chloride	1	0		1.93	12.96	20	20	0.1	0.256	0.166	35.18	C1
Chloroethane	1	0		2.30	16.28	20	20	0.1	0.179	0.146	18.61	
Trichlorofluoromethane	1	0		2.52	18.07	20	20	0.1	0.307	0.277	9.63	
Ethyl ether	1	0		2.75	16.53	20	20	0.5	0.297	0.245	17.35	
Furan	1	0		2.79	18.49	20	20	0.5	0.509	0.471	7.53	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		2.95	18.98	20	20	0.1	0.164	0.156	5.08	
Methylene Chloride	1	0		3.36	16.07	20	20	0.1	0.248	0.200	19.63	
Acrolein	1	0		2.86	91.46	100	20		0.057	0.052	8.54	
Acrylonitrile	1	0		3.56	16.08	20	20		0.180	0.145	19.59	
Iodomethane	1	0		3.10	11.52	20	20		0.195	0.113	42.42	C1
Acetone	1	0		2.99	94.87	100	20	0.1	0.133	0.126	5.13	
Carbon Disulfide	1	0		3.17	16.17	20	20	0.1	0.416	0.336	19.17	
t-Butyl Alcohol	1	0		3.43	68.57	100	20		0.043	0.029	31.43	C1
n-Hexane	1	0		3.83	20.68	20	20		0.248	0.257	3.39	
Di-isopropyl-ether	1	0		4.00	18.76	20	20		0.971	0.911	6.22	
1,1-Dichloroethene	1	0		2.96	18.35	20	20	0.1	0.386	0.354	8.26	
Methyl Acetate	1	0		3.26	16.02	20	20	0.1	0.360	0.289	19.89	
Methyl-t-butyl ether	1	0		3.59	16.49	20	20	0.1	0.675	0.556	17.55	
1,1-Dichloroethane	1	0		3.96	17.89	20	20	0.2	0.506	0.453	10.56	
trans-1,2-Dichloroethene	1	0		3.60	18.40	20	20	0.1	0.204	0.188	8.01	
Ethyl-t-butyl ether	1	0		4.29	17.96	20	20	0.5	0.806	0.724	10.19	
cis-1,2-Dichloroethene	1	0		4.41	23.34	20	20	0.1	0.413	0.482	16.68	
Bromochloromethane	1	0		4.58	19.27	20	20		0.265	0.255	3.63	
2,2-Dichloropropane	1	0		4.42	23.73	20	20		0.255	0.303	18.67	
Ethyl acetate	1	0		4.45	19.18	20	20		0.356	0.342	4.09	
1,4-Dioxane	1	0		5.58	871.93	1000	20		0.003	0.003	12.81	
1,1-Dichloropropene	1	0		4.87	24.00	20	20		0.243	0.292	19.99	
Chloroform	1	0		4.63	20.48	20	20	0.2	0.403	0.412	2.40	
Dibromofluoromethane	1	0	S	4.73	28.22	30	**		0.284	0.268	5.93	
Cyclohexane	1	0		4.81	23.88	20	20	0.1	0.275	0.329	19.41	
1,2-Dichloroethane-d4	1	0	S	4.96	29.09	30	**		0.186	0.181	3.05	
1,2-Dichloroethane	1	0		5.00	18.72	20	20	0.1	0.426	0.398	6.42	
2-Butanone	1	0		4.42	21.01	20	20	0.1	0.146	0.153	5.07	
1,1,1-Trichloroethane	1	0		4.77	21.46	20	20	0.1	0.317	0.341	7.29	
Carbon Tetrachloride	1	0		4.88	23.78	20	20	0.1	0.219	0.261	18.91	
Vinyl Acetate	1	0		3.98	19.66	20	20		1.083	1.065	1.70	
Bromodichloromethane	1	0		5.66	19.37	20	20	0.2	0.312	0.302	3.16	
Methylcyclohexane	1	0		5.50	28.01	20	20	0.1	0.175	0.245	40.04	C1
Dibromomethane	1	0		5.58	16.42	20	20		0.141	0.115	17.89	
1,2-Dichloropropane	1	0		5.51	19.37	20	20	0.1	0.269	0.260	3.16	
Trichloroethene	1	0		5.38	21.16	20	20	0.2	0.178	0.188	5.80	
Benzene	1	0		5.00	21.55	20	20	0.5	0.767	0.827	7.77	
tert-Amyl methyl ether	1	0		5.06	18.92	20	20		0.516	0.488	5.38	
Chlorobenzene-d5	1	0	I	6.88	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		5.01	17.83	20	20	0.5	0.759	0.677	10.83	
Methyl methacrylate	1	0		5.55	18.07	20	20	0.5	0.360	0.325	9.64	
Dibromochloromethane	1	0		6.55	16.49	20	20	0.1	0.260	0.214	17.55	

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:** 1M177298.D **Instrument:** GCMS 1

Cont Calibration Date/Time 8/11/2023 8:08:00 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		5.51	18.09	20	20		0.339	0.307	9.53	
cis-1,3-Dichloropropene	1	0		5.91	20.02	20	20	0.2	0.394	0.395	0.11	
trans-1,3-Dichloropropene	1	0		6.21	18.85	20	20	0.1	0.394	0.371	5.73	
Ethyl methacrylate	1	0		6.24	16.17	20	20	0.5	0.332	0.330	19.15	
1,1,2-Trichloroethane	1	0		6.32	17.24	20	20	0.1	0.270	0.233	13.81	
1,2-Dibromoethane	1	0		6.63	16.99	20	20	0.1	0.265	0.225	15.03	
1,3-Dichloropropane	1	0		6.42	19.08	20	20		0.446	0.425	4.62	
4-Methyl-2-Pentanone	1	0		5.98	18.50	20	20	0.1	0.352	0.326	7.52	
2-Hexanone	1	0		6.44	17.80	20	20	0.1	0.271	0.241	10.98	
Tetrachloroethene	1	0		6.42	20.44	20	20	0.2	0.160	0.163	2.22	
Toluene-d8	1	0	S	6.07	29.46	30	**		1.307	1.284	1.81	
Toluene	1	0		6.11	21.25	20	20	0.4	0.586	0.623	6.25	
1,1,1,2-Tetrachloroethane	1	0		6.93	18.91	20	20		0.214	0.202	5.46	
Chlorobenzene	1	0		6.90	20.98	20	20	0.5	0.610	0.640	4.92	
1,4-Dichlorobenzene-d4	1	0	I	8.19	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		7.16	16.03	20	20	0.5	1.095	1.311	19.87	
n-Amyl acetate	1	0		7.28	16.29	20	20	0.5	1.079	1.421	18.54	
Bromoform	1	0		7.36	16.08	20	20	0.1	0.343	0.276	19.58	
Ethylbenzene	1	0		6.94	23.27	20	20	0.1	0.494	0.575	16.37	
1,1,2,2-Tetrachloroethane	1	0		7.58	17.77	20	20	0.1	0.736	0.654	11.13	
Bromofluorobenzene	1	0	S	7.53	29.99	30	**		0.773	0.772	0.04	
Styrene	1	0		7.24	23.01	20	20	0.3	1.189	1.367	15.04	
m&p-Xylenes	1	0		7.00	54.12	40	20	0.1	0.648	0.877	35.30	C1
o-Xylene	1	0		7.23	23.52	20	20	0.3	0.688	0.809	17.59	
trans-1,4-Dichloro-2-butene	1	0		7.61	19.56	20	20		0.389	0.381	2.21	
1,3-Dichlorobenzene	1	0		8.16	21.67	20	20	0.6	0.743	0.805	8.33	
1,4-Dichlorobenzene	1	0		8.21	20.91	20	20	0.5	0.795	0.831	4.54	
1,2-Dichlorobenzene	1	0		8.43	21.36	20	20	0.4	0.712	0.761	6.80	
Isopropylbenzene	1	0		7.43	27.34	20	20	0.1	1.367	1.869	36.68	C1
Cyclohexanone	1	0		7.51	197.76	100	20		0.046	0.091	97.76	C1
Camphene	1	0		7.60	23.75	20	20		0.438	0.520	18.74	
1,2,3-Trichloropropane	1	0		7.62	18.59	20	20		0.920	0.855	7.04	
2-Chlorotoluene	1	0		7.73	23.76	20	20		1.165	1.384	18.81	
p-Ethyltoluene	1	0		7.72	27.17	20	20		1.529	2.077	35.83	C1
4-Chlorotoluene	1	0		7.78	23.93	20	20		1.142	1.367	19.67	
n-Propylbenzene	1	0		7.66	26.97	20	20		1.873	2.526	34.87	C1
Bromobenzene	1	0		7.63	20.42	20	20		1.341	1.369	2.10	
1,3,5-Trimethylbenzene	1	0		7.75	27.17	20	20		1.214	1.649	35.83	C1
Butyl methacrylate	1	0		7.76	16.21	20	20	0.5	0.838	0.958	18.93	
t-Butylbenzene	1	0		7.95	23.07	20	20		1.007	1.161	15.33	
1,2,4-Trimethylbenzene	1	0		7.97	21.09	20	20		1.168	1.647	5.47	
sec-Butylbenzene	1	0		8.07	28.36	20	20		1.259	1.786	41.80	C1
4-Isopropyltoluene	1	0		8.14	20.09	20	20		0.973	1.419	0.44	
n-Butylbenzene	1	0		8.38	29.20	20	20		1.211	1.768	45.99	C1
p-Diethylbenzene	1	0		8.36	20.10	20	20		0.587	0.805	0.52	
1,2,4,5-Tetramethylbenzene	1	0		8.82	16.10	20	20		0.713	1.058	19.51	
1,2-Dibromo-3-Chloropropane	1	0		8.88	16.50	20	20	0.05	0.120	0.099	17.49	
Camphor	1	0		9.32	123.98	200	20		0.054	0.047	38.01	C1
Hexachlorobutadiene	1	0		9.46	19.49	20	20		0.136	0.133	2.55	
1,2,4-Trichlorobenzene	1	0		9.37	20.69	20	20	0.2	0.307	0.318	3.46	
1,2,3-Trichlorobenzene	1	0		9.68	19.13	20	20		0.261	0.249	4.36	
Naphthalene	1	0		9.53	15.04	20	20		0.921	0.979	24.82	C1

S-Surrogate Compound
N/O or N/Q - Not applicable for this run

I-Internal Standard Compound
C1-Compound %Diff exceeds limits

** - No limit specified in method

Note: 8260/8270 limits are compared against the %DIFF/R.F.
624 limits are compared against the concentration found.

625 limits are compared against the %DIFF.
524.2 limits are compared against the %DIFF

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : MN Qt Meth : 1M_A0801.M
Data File: 1M177298.D Sam Mult : 1 Vial# : 3 Qt On : 08/11/23 08:20
Acq On : 08/11/23 08:08 Misc : A,5ML Qt Upd On: 08/03/23 19:36

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-11-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1338818	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.881	117	1136271	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	543364	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.734	111	358264	28.22	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.07%			
39) 1,2-Dichloroethane-d4	4.959	67	241996	29.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.97%			
66) Toluene-d8	6.068	98	1458718	29.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.20%			
76) Bromofluorobenzene	7.528	174	419747	29.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.97%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.685	51	537756m	31.5508	ug/l	
6) Dichlorodifluoromethane	1.673	85	66874m	7.9069	ug/l	
7) Chloromethane	1.846	50	136955m	10.2060	ug/l	
8) Bromomethane	2.219	94	84990m	12.6804	ug/l	
9) Vinyl Chloride	1.930	62	148158m	12.9645	ug/l	
10) Chloroethane	2.303	64	129992m	16.2787	ug/l	
11) Trichlorofluoromethane	2.521	101	247298	18.0746	ug/l	94
12) Ethyl ether	2.753	59	219104m	16.5307	ug/l	
13) Furan	2.795	39	420350m	18.4932	ug/l	
14) 1,1,2-Trichloro-1,2,2-...	2.949	101	138965m	18.9848	ug/l	
15) Methylene Chloride	3.357	84	178165m	16.0741	ug/l	
16) Acrolein	2.862	56	231365m	91.4599	ug/l	
17) Acrylonitrile	3.563	53	129476m	16.0819	ug/l	
18) Iodomethane	3.100	142	100462m	11.5162	ug/l	
19) Acetone	2.988	43	563620m	94.8680	ug/l	
20) Carbon Disulfide	3.168	76	300110m	16.1660	ug/l	
21) t-Butyl Alcohol	3.428	59	130567	68.5679	ug/l	73
22) n-Hexane	3.830	57	229230	20.6780	ug/l	98
23) Di-isopropyl-ether	3.997	45	813075	18.7555	ug/l	72
24) 1,1-Dichloroethene	2.959	61	316260	18.3472	ug/l	82
25) Methyl Acetate	3.261	43	257508m	16.0211	ug/l	
26) Methyl-t-butyl ether	3.586	73	496446	16.4895	ug/l	76
27) 1,1-Dichloroethane	3.962	63	404242	17.8882	ug/l	83
28) trans-1,2-Dichloroethene	3.595	96	167508	18.3985	ug/l	68
29) Ethyl-t-butyl ether	4.290	59	646160	17.9618	ug/l	84
30) cis-1,2-Dichloroethene	4.412	61	430538	23.3369	ug/l	70
31) Bromochloromethane	4.582	49	227987	19.2740	ug/l	53
32) 2,2-Dichloropropane	4.422	77	270281m	23.7337	ug/l	
33) Ethyl acetate	4.447	43	305157m	19.1819	ug/l	
34) 1,4-Dioxane	5.582	88	128267	871.9283	ug/l	81
35) 1,1-Dichloropropene	4.869	75	260731	23.9975	ug/l	94
36) Chloroform	4.627	83	368080	20.4792	ug/l	98
38) Cyclohexane	4.814	56	293521m	23.8827	ug/l	
40) 1,2-Dichloroethane	5.004	62	355582	18.7152	ug/l	92
41) 2-Butanone	4.418	43	136556	21.0141	ug/l	56
42) 1,1,1-Trichloroethane	4.769	97	304038	21.4583	ug/l	96
43) Carbon Tetrachloride	4.875	117	232757	23.7820	ug/l	94
44) Vinyl Acetate	3.984	43	950140	19.6608	ug/l	100
45) Bromodichloromethane	5.656	83	269386	19.3681	ug/l	99
46) Methylcyclohexane	5.499	83	218457	28.0083	ug/l	74
47) Dibromomethane	5.579	174	103084	16.4217	ug/l	91
48) 1,2-Dichloropropane	5.512	63	232290	19.3681	ug/l	100
49) Trichloroethene	5.377	130	167689	21.1605	ug/l	90
50) Benzene	5.000	78	738008	21.5540	ug/l	100
51) tert-Amyl methyl ether	5.055	73	435597	18.9238	ug/l	81
53) Iso-propylacetate	5.007	43	512645	17.8338	ug/l	88
54) Methyl methacrylate	5.547	41	246229m	18.0723	ug/l	
55) Dibromochloromethane	6.553	129	162266	16.4895	ug/l	95
56) 2-Chloroethylvinylether	5.512	63	232290	18.0938	ug/l	69
57) cis-1,3-Dichloropropene	5.907	75	299110	20.0225	ug/l	97
58) trans-1,3-Dichloropropene	6.209	75	281341	18.8537	ug/l	95
59) Ethyl methacrylate	6.238	41	249951m	16.1699	ug/l	
60) 1,1,2-Trichloroethane	6.322	97	176162	17.2385	ug/l	93
61) 1,2-Dibromoethane	6.634	107	170809	16.9942	ug/l	99
62) 1,3-Dichloropropane	6.418	76	322161	19.0762	ug/l	99
63) 4-Methyl-2-Pentanone	5.984	43	246582	18.4969	ug/l	92
64) 2-Hexanone	6.441	43	182435	17.8036	ug/l	97
65) Tetrachloroethene	6.418	164	123501	20.4435	ug/l	91
67) Toluene	6.106	92	471595	21.2505	ug/l	85

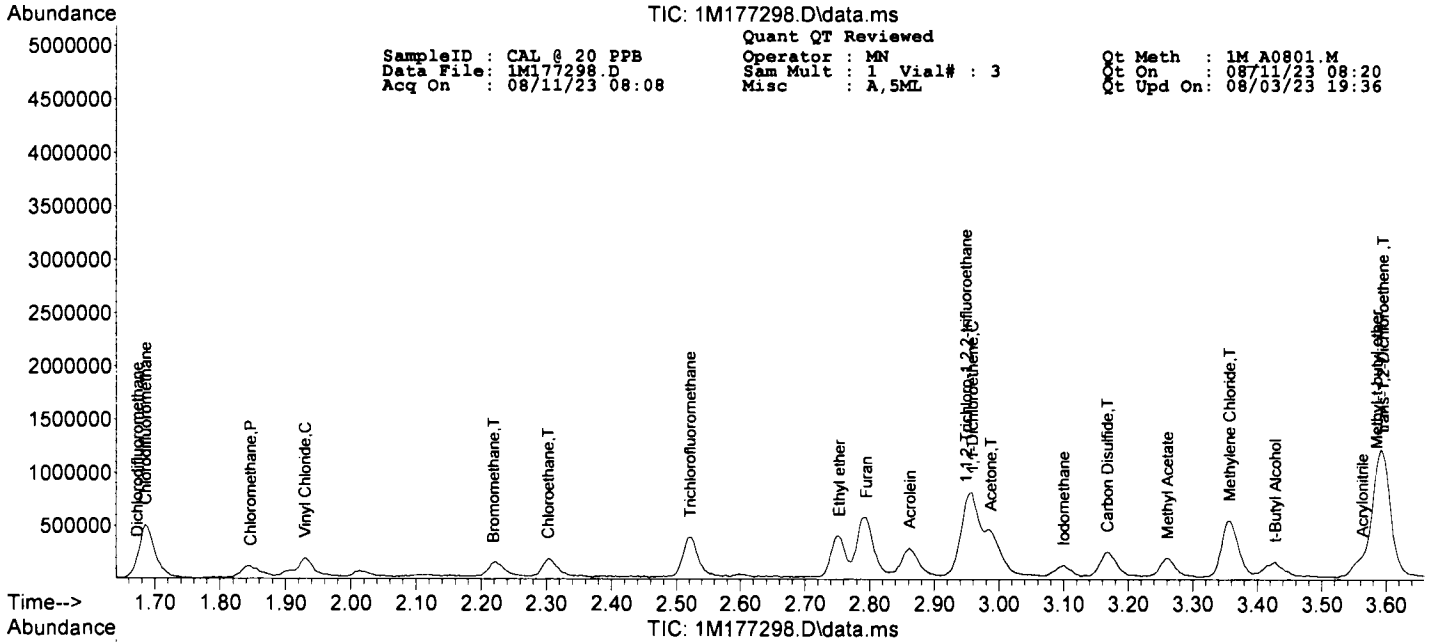
Quantitation Report (QT Reviewed)

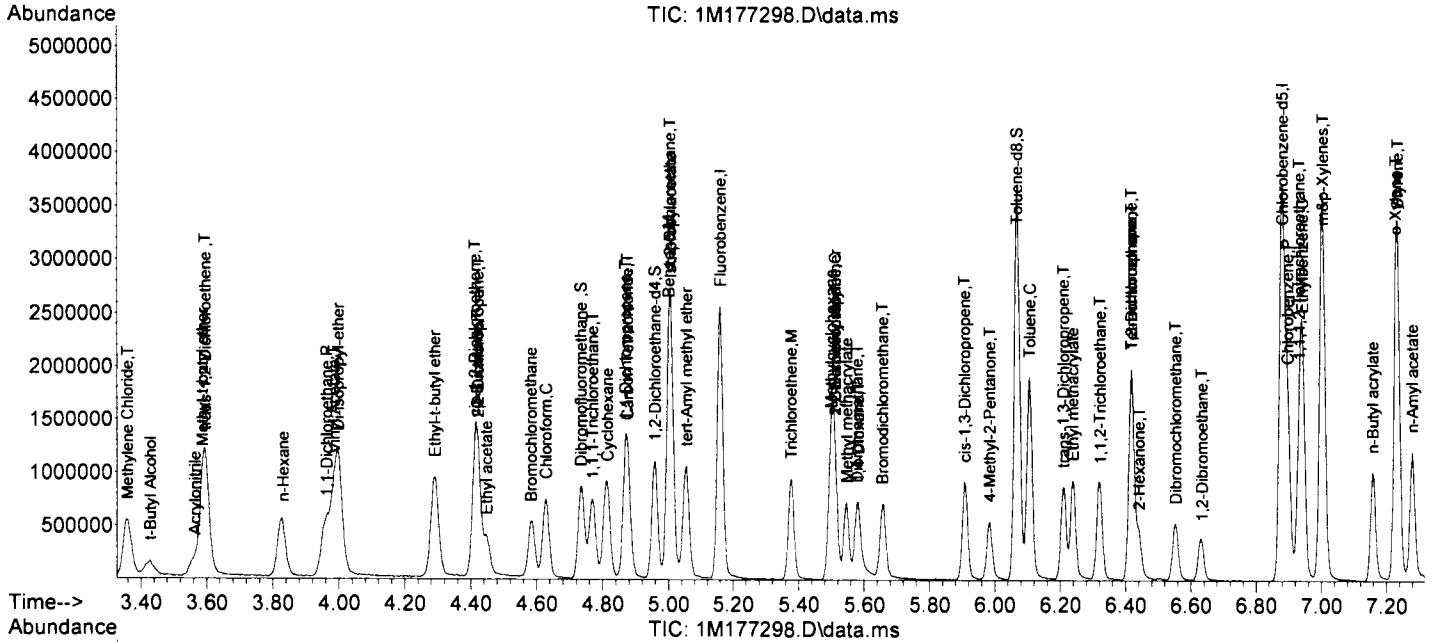
SampleID : CAL @ 20 PPB Operator : MN Qt Meth : 1M_A0801.M
Data File: 1M177298.D Sam Mult : 1 Vial# : 3 Qt On : 08/11/23 08:20
Acq On : 08/11/23 08:08 Misc : A,5ML Qt Upd On: 08/03/23 19:36

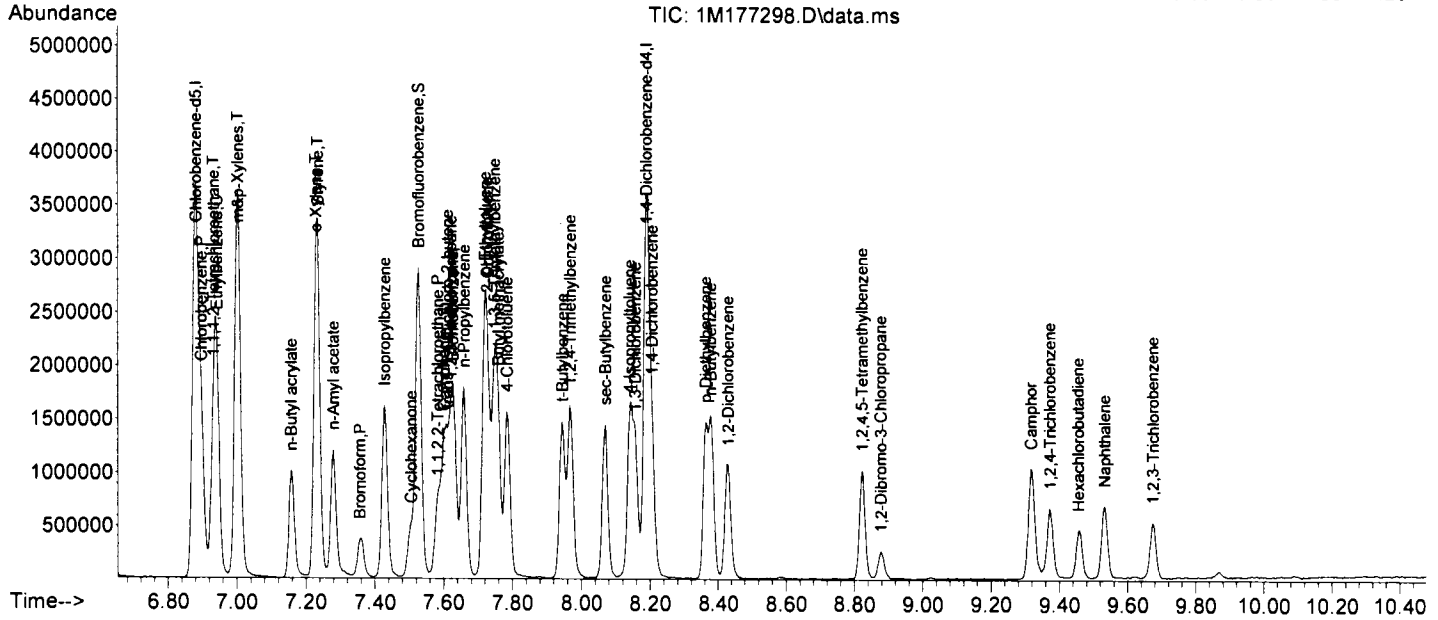
Data Path : G:\GcMsData\2023\GCMS_1\Data\08-11-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.933	133	153098	18.9077	ug/l	98
69)	Chlorobenzene	6.897	112	484708	20.9839	ug/l	92
71)	n-Butyl acrylate	7.158	55	474789m	16.0269	ug/l	
72)	n-Amyl acetate	7.280	43	514846m	16.2924	ug/l	
73)	Bromoform	7.357	173	100051	16.0840	ug/l	98
74)	Ethylbenzene	6.942	106	208334m	23.2732	ug/l	
75)	1,1,2,2-Tetrachloroethane	7.582	83	237064	17.7749	ug/l	98
77)	Styrene	7.235	104	495301m	23.0076	ug/l	
78)	m&p-Xylenes	7.004	106	635074	54.1198	ug/l	91
79)	o-Xylene	7.229	106	293037m	23.5188	ug/l	
80)	trans-1,4-Dichloro-2-b...	7.611	53	137839	19.5583	ug/l	72
81)	1,3-Dichlorobenzene	8.158	146	291488	21.6661	ug/l	96
82)	1,4-Dichlorobenzene	8.206	146	301152	20.9071	ug/l	98
83)	1,2-Dichlorobenzene	8.431	146	275505	21.3605	ug/l	96
84)	Isopropylbenzene	7.428	105	677005m	27.3369	ug/l	
85)	Cyclohexanone	7.505	55	164014	197.7633	ug/l	87
86)	Camphene	7.602	93	188357m	23.7479	ug/l	
87)	1,2,3-Trichloropropane	7.621	75	309816	18.5928	ug/l	95
88)	2-Chlorotoluene	7.727	91	501282m	23.7615	ug/l	
89)	p-Ethyltoluene	7.721	105	752223m	27.1664	ug/l	
90)	4-Chlorotoluene	7.785	91	495008m	23.9346	ug/l	
91)	n-Propylbenzene	7.659	91	914920m	26.9736	ug/l	
92)	Bromobenzene	7.627	77	495879	20.4199	ug/l	81
93)	1,3,5-Trimethylbenzene	7.750	105	597362	27.1668	ug/l	91
94)	Butyl methacrylate	7.759	41	347196m	16.2147	ug/l	
95)	t-Butylbenzene	7.946	119	420590m	23.0667	ug/l	
96)	1,2,4-Trimethylbenzene	7.968	105	596441	21.0946	ug/l	94
97)	sec-Butylbenzene	8.071	105	646844	28.3594	ug/l	92
98)	4-Isopropyltoluene	8.142	119	514155	20.0884	ug/l	95
99)	n-Butylbenzene	8.380	91	640335	29.1989	ug/l	94
100)	p-Diethylbenzene	8.364	119	291597	20.1030	ug/l	96
101)	1,2,4,5-Tetramethylben...	8.823	119	383124m	16.0988	ug/l	
102)	1,2-Dibromo-3-Chloropr...	8.878	157	35851	16.5014	ug/l	89
103)	Camphor	9.319	95	168541	123.9757	ug/l	89
104)	Hexachlorobutadiene	9.457	225	48076	19.4895	ug/l	98
105)	1,2,4-Trichlorobenzene	9.373	180	115221	20.6926	ug/l	95
106)	1,2,3-Trichlorobenzene	9.675	180	90279	19.1279	ug/l	96
107)	Naphthalene	9.534	128	354725m	15.0358	ug/l	

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


Abundance
TIC: 1M177298.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 1M177298.D
Acq On : 08/11/23 08:08
Operator : MN
Sam Mult : 1 Vial# : 3
Misc : A,5ML
Qt Meth : 1M_A0801.M
Qt On : 08/11/23 08:20
Qt Upd On: 08/03/23 19:36
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 1M177298.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl Methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->


Abundance
TIC: 1M177298.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

GC/MS Volatile Data
Raw QC Data

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M176854.D
Analysis Date: 08/01/23 19:58
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.502 to 7.540 min

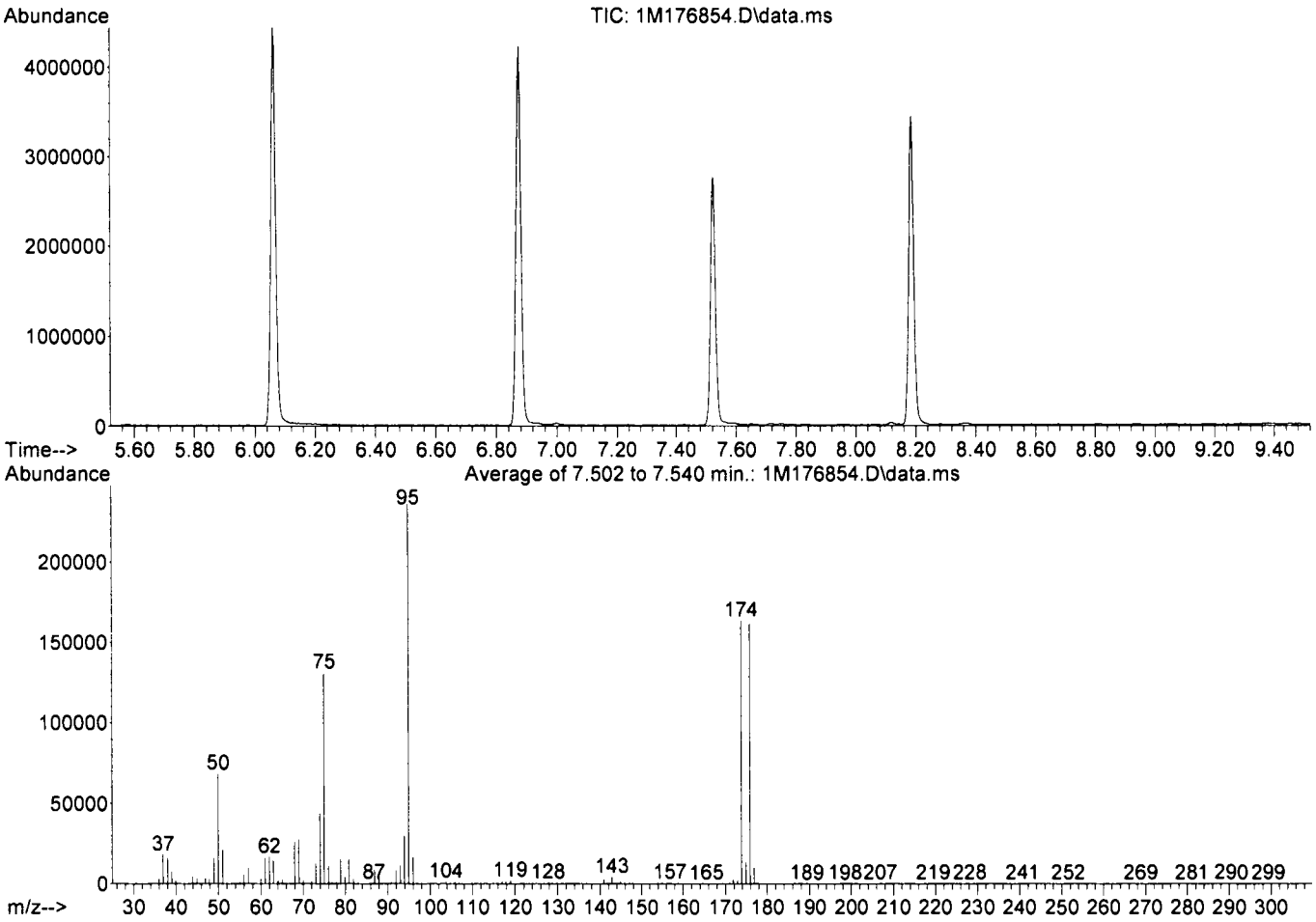
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	29.0	68405	PASS
75	95	30	60	55.5	131028	PASS
95	95	100	100	100.0	236125	PASS
96	95	5	9	6.9	16306	PASS
173	174	0.00	2	1.4	2247	PASS
174	95	50	100	69.3	163530	PASS
175	174	5	9	8.1	13249	PASS
176	174	95	101	98.9	161709	PASS
177	176	5	9	6.2	10063	PASS

Data File	Sample Number	Analysis Date:
1M176855.D	CAL @ 0.5 PPB	08/01/23 20:19
1M176856.D	CAL @ 1 PPB	08/01/23 20:41
1M176857.D	CAL @5 PPB	08/01/23 21:02
1M176858.D	CAL @ 10 PPB	08/01/23 21:23
1M176859.D	CAL @ 20 PPB	08/01/23 21:45
1M176860.D	CAL @ 50 PPB	08/01/23 22:06
1M176861.D	CAL @ 100 PPB	08/01/23 22:28
1M176862.D	CAL @ 250PPB	08/01/23 22:49
1M176863.D	CAL @ 500 PPB	08/01/23 23:11
1M176865.D	BLK	08/01/23 23:53
1M176868.D	STD	08/02/23 00:57
1M176869.D	ICV	08/02/23 01:18

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-01-23\
Data File : 1M176854.D
Acq On : 01 Aug 2023 19:58
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 2 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2023\GCMS_1\MethodQt\1M_A0801.M
Title : @GCMS_1,ug,624,8260
Last Update : Tue Aug 01 23:32:33 2023



Spectrum Information: Average of 7.502 to 7.540 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	29.0	68405	PASS
75	95	30	60	55.5	131028	PASS
95	95	100	100	100.0	236125	PASS
96	95	5	9	6.9	16306	PASS
173	174	0.00	2	1.4	2247	PASS
174	95	50	100	69.3	163530	PASS
175	174	5	9	8.1	13249	PASS
176	174	95	101	98.9	161709	PASS
177	176	5	9	6.2	10063	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M188184.D
Analysis Date: 08/07/23 15:57
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.336 to 7.354 min

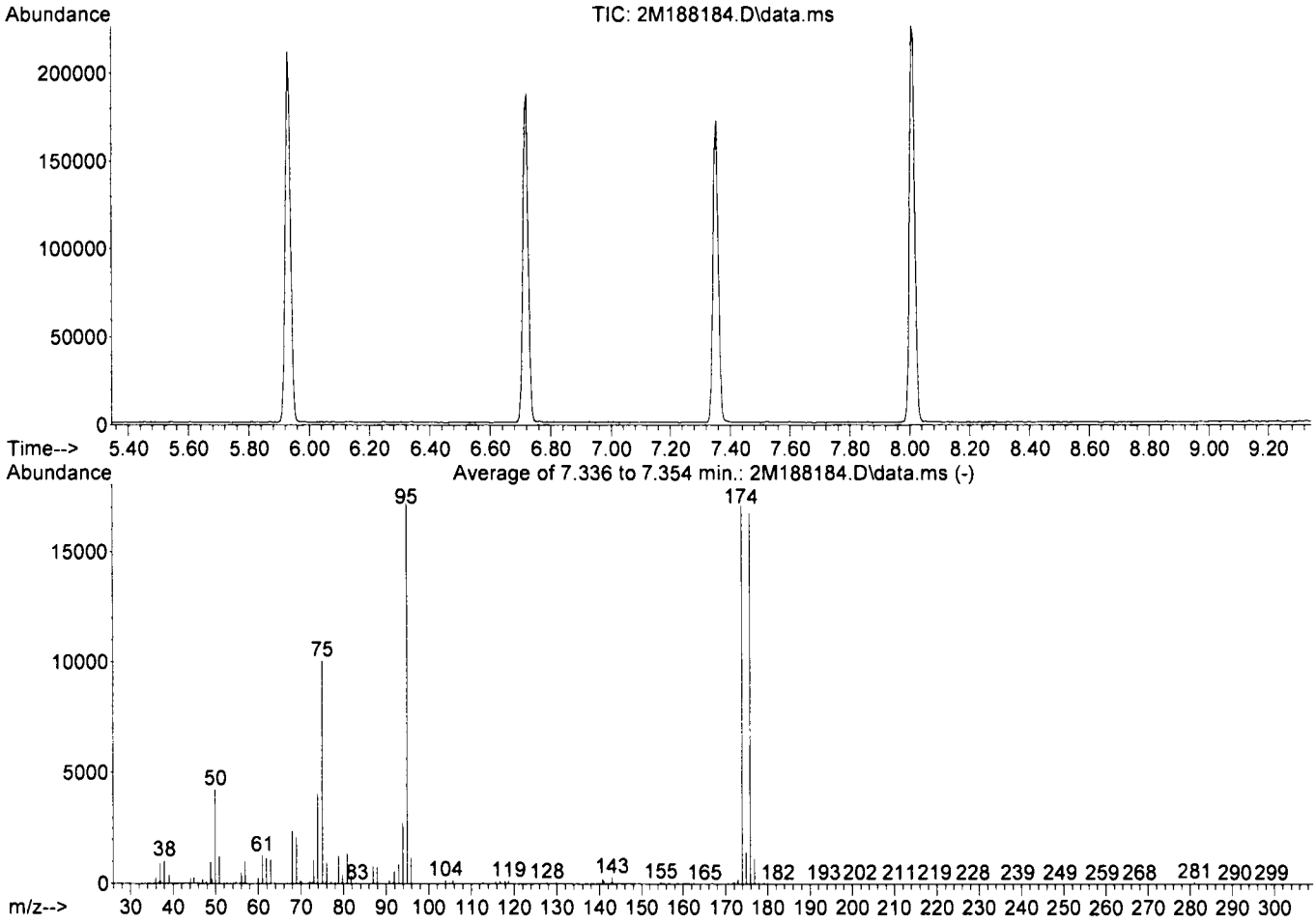
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.7	4233	PASS
75	95	30	60	58.6	10071	PASS
95	95	100	100	100.0	17172	PASS
96	95	5	9	6.8	1175	PASS
173	174	0.00	2	1.2	197	PASS
174	95	50	100	99.4	17077	PASS
175	174	5	9	8.3	1410	PASS
176	174	95	101	98.1	16748	PASS
177	176	5	9	6.9	1150	PASS

Data File	Sample Number	Analysis Date:
2M188186.D	CAL @ 0.5 PPB	08/07/23 16:32
2M188187.D	CAL @ 1 PPB	08/07/23 16:53
2M188188.D	CAL @ 5 PPB	08/07/23 17:13
2M188189.D	CAL @ 10 PPB	08/07/23 17:33
2M188190.D	CAL @ 20 PPB	08/07/23 17:53
2M188192.D	CAL @ 50 PPB	08/07/23 18:33
2M188194.D	CAL @ 100 PPB	08/07/23 19:14
2M188196.D	CAL @ 250 PPB	08/07/23 19:54
2M188199.D	CAL @ 500 PPB	08/07/23 20:54
2M188204.D	STD	08/07/23 22:35
2M188206.D	ICV	08/07/23 23:05

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-07-23\
Data File : 2M188184.D
Acq On : 07 Aug 2023 15:57
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 11 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0621.M
Title : @GCMS_2,ug,624,8260
Last Update : Wed Jun 21 17:24:44 2023



Spectrum Information: Average of 7.336 to 7.354 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.7	4233	PASS
75	95	30	60	58.6	10071	PASS
95	95	100	100	100.0	17172	PASS
96	95	5	9	6.8	1175	PASS
173	174	0.00	2	1.2	197	PASS
174	95	50	100	99.4	17077	PASS
175	174	5	9	8.3	1410	PASS
176	174	95	101	98.1	16748	PASS
177	176	5	9	6.9	1150	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M188306.D
Analysis Date: 08/09/23 15:23
Method: EPA 8260D

Tune Scan/Time Range: Scan 945

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	22.3	11178	PASS
75	95	30	60	56.7	28424	PASS
95	95	100	100	100.0	50104	PASS
96	95	5	9	7.4	3701	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	92.1	46160	PASS
175	174	5	9	7.4	3417	PASS
176	174	95	101	95.6	44152	PASS
177	176	5	9	6.7	2950	PASS

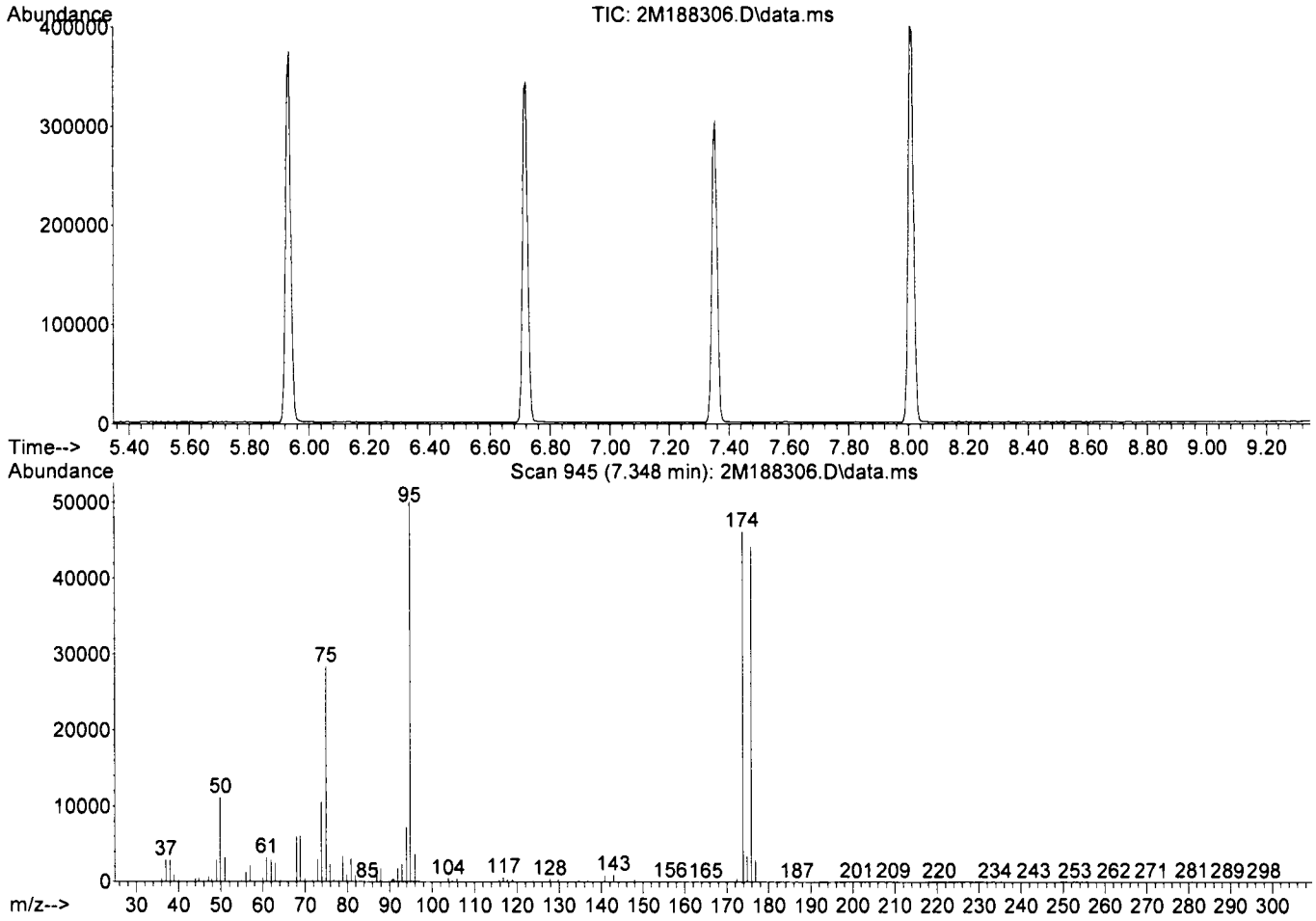
Data File	Sample Number	Analysis Date:
2M188308.D	CAL @ 20 PPB	08/09/23 15:58
2M188310.D	STD	08/09/23 16:38
2M188311.D	BLK	08/09/23 16:59
2M188312.D	DI	08/09/23 17:19
2M188313.D	DAILY BLANK	08/09/23 17:39
2M188314.D	DAILY BLANK	08/09/23 17:59
2M188315.D	AD39676-002	08/09/23 18:19
2M188316.D	AD39676-003	08/09/23 18:39
2M188317.D	AD39673-003	08/09/23 19:00
2M188318.D	MBS111390	08/09/23 19:19
2M188319.D	STD	08/09/23 19:39
2M188320.D	AD39605-007(50X)	08/09/23 19:59
2M188321.D	AD39659-010	08/09/23 20:20
2M188322.D	AD39659-012	08/09/23 20:40
2M188323.D	AD39659-009(5X)	08/09/23 21:00
2M188324.D	AD39659-011(5X)	08/09/23 21:21
2M188325.D	AD39605-007(50X)	08/09/23 21:41
2M188326.D	AD39605-007(50X)	08/09/23 22:01
2M188327.D	AD39670-002	08/09/23 22:21
2M188328.D	AD39670-004	08/09/23 22:41
2M188329.D	AD39670-005	08/09/23 23:01
2M188330.D	AD39670-001(10X)	08/09/23 23:22
2M188331.D	AD39670-003(10X)	08/09/23 23:43
2M188332.D	AD39670-006(100X	08/10/23 00:03
2M188333.D	AD39640-003(10X)	08/10/23 00:24
2M188334.D	AD39640-002(10X)	08/10/23 00:44
2M188335.D	AD39640-001(10X)	08/10/23 01:05
2M188336.D	STD	08/10/23 01:25
2M188337.D	39509-002(50X)	08/10/23 01:45
2M188338.D	39509-004(50X)	08/10/23 02:05
2M188339.D	39509-005(50X)	08/10/23 02:25
2M188340.D	39509-006(50X)	08/10/23 02:45
2M188341.D	39509-007(50X)	08/10/23 03:05
2M188342.D	39509-008(50X)	08/10/23 03:25

3080829 0164

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Data File : 2M188306.D
Acq On : 09 Aug 2023 15:23
Operator : MN
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 5 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0807.M
Title : @GCMS_2,ug,624,8260
Last Update : Mon Aug 07 21:13:38 2023



Spectrum Information: Scan 945

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.3	11178	PASS
75	95	30	60	56.7	28424	PASS
95	95	100	100	100.0	50104	PASS
96	95	5	9	7.4	3701	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	92.1	46160	PASS
175	174	5	9	7.4	3417	PASS
176	174	95	101	95.6	44152	PASS
177	176	5	9	6.7	2950	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M177249.D
Analysis Date: 08/10/23 09:00
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.511 to 7.521 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	29.3	19315	PASS
75	95	30	60	53.4	35148	PASS
95	95	100	100	100.0	65848	PASS
96	95	5	9	7.2	4752	PASS
173	174	0.00	2	1.5	653	PASS
174	95	50	100	65.3	42970	PASS
175	174	5	9	8.9	3815	PASS
176	174	95	101	98.3	42240	PASS
177	176	5	9	7.8	3278	PASS

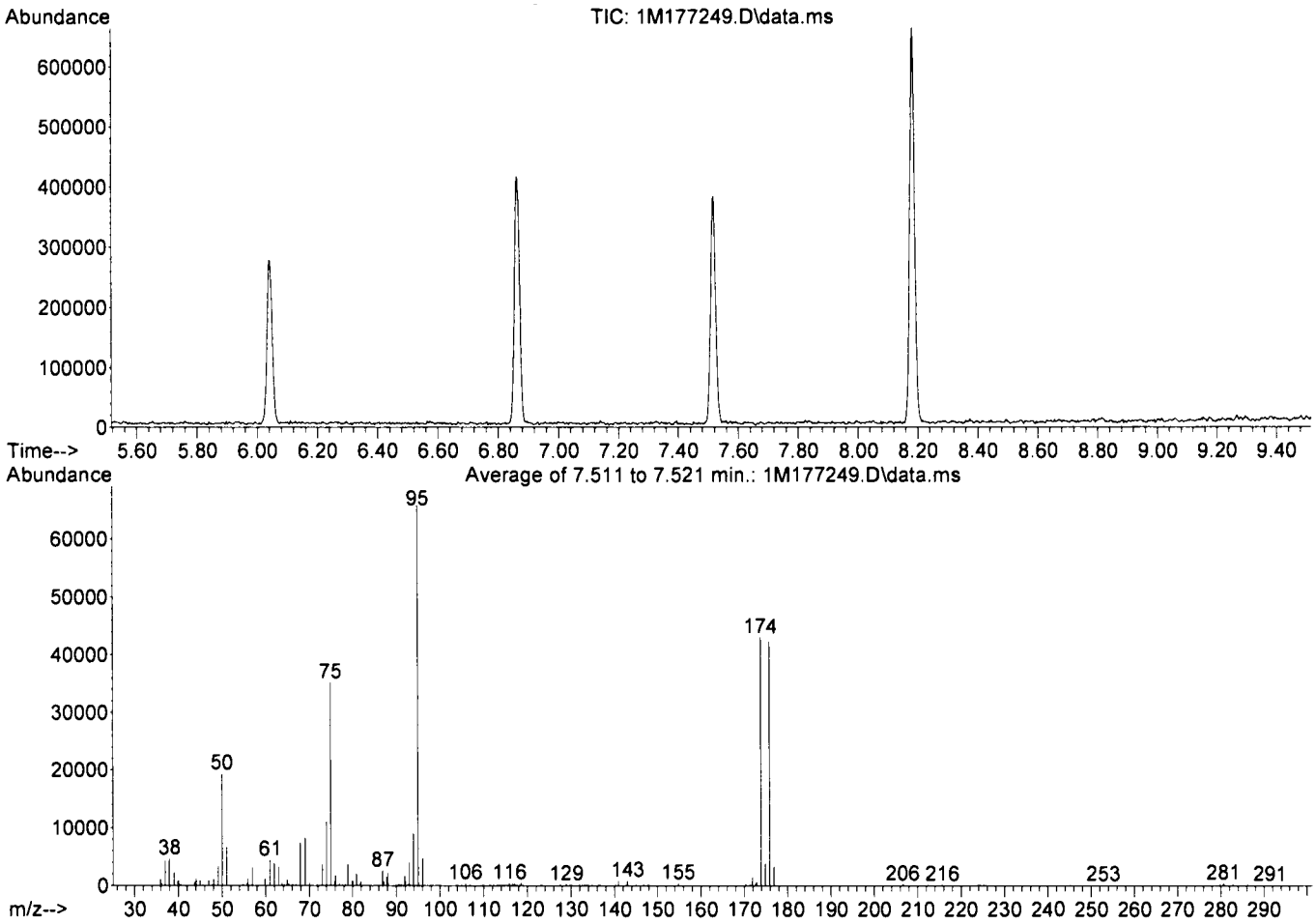
Data File	Sample Number	Analysis Date:
1M177251.D	CAL @ 20 PPB	08/10/23 09:37
1M177253.D	BLK	08/10/23 10:19
1M177254.D	BLK-HCL	08/10/23 10:41
1M177255.D	DAILY BLANK	08/10/23 11:02
1M177256.D	DAILY BLANK	08/10/23 11:24
1M177257.D	AD39610-004	08/10/23 11:46
1M177258.D	AD39670-003(20X)	08/10/23 12:08
1M177259.D	MBS111394	08/10/23 12:30
1M177260.D	39701-001(50X)	08/10/23 12:51
1M177261.D	AD39640-002	08/10/23 13:13
1M177262.D	AD39640-003	08/10/23 13:34
1M177263.D	AD39640-001	08/10/23 13:56
1M177264.D	MBS111395	08/10/23 14:18
1M177265.D	39618-006(50X)(T)	08/10/23 14:39
1M177266.D	AD39670-003(50X)	08/10/23 15:01
1M177267.D	BLK	08/10/23 15:22
1M177268.D	AD39665-002(20X)	08/10/23 15:45
1M177269.D	AD39665-005	08/10/23 16:07
1M177270.D	AD39618-006(50X)	08/10/23 16:28
1M177271.D	AD39618-006(50X)	08/10/23 16:50
1M177272.D	AD39652-009	08/10/23 17:12
1M177273.D	AD39652-011	08/10/23 17:33
1M177274.D	AD39676-001	08/10/23 17:55
1M177275.D	AD39509-002	08/10/23 18:16
1M177276.D	AD39509-004	08/10/23 18:38
1M177277.D	AD39509-005	08/10/23 18:59
1M177278.D	AD39509-006	08/10/23 19:21
1M177279.D	AD39509-007	08/10/23 19:42
1M177280.D	AD39509-008	08/10/23 20:04
1M177281.D	AD39701-001	08/10/23 20:26
1M177282.D	39681-001(800UL)	08/10/23 20:47
1M177283.D	STD	08/10/23 21:08
1M177284.D	39647-004(MX)	08/10/23 21:30
1M177285.D	39647-004(MXD)	08/10/23 21:51
1M177286.D	39692-001(50X)	08/10/23 22:13
1M177287.D	STD 1	08/10/23 22:34
1M177288.D	39718-003	08/10/23 22:56
1M177289.D	39718-006	08/10/23 23:17
1M177290.D	39721-002	08/10/23 23:39
1M177291.D	BLK	08/11/23 00:01
1M177292.D	BLK	08/11/23 00:22
1M177293.D	BLK	08/11/23 00:44
1M177294.D	BLK	08/11/23 01:05
1M177295.D	BLK	08/11/23 01:27

CLPBFB

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Data File : 1M177249.D
Acq On : 10 Aug 2023 09:00
Operator : MN
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2023\GCMS_6\MethodQt\6M_S0804.M
Title : @GCMS_6,ug,624,8260
Last Update : Sat Aug 05 00:11:16 2023



Spectrum Information: Average of 7.511 to 7.521 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	29.3	19315	PASS
75	95	30	60	53.4	35148	PASS
95	95	100	100	100.0	65848	PASS
96	95	5	9	7.2	4752	PASS
173	174	0.00	2	1.5	653	PASS
174	95	50	100	65.3	42970	PASS
175	174	5	9	8.9	3815	PASS
176	174	95	101	98.3	42240	PASS
177	176	5	9	7.8	3278	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 1
Data File: 1M177296.D
Analysis Date: 08/11/23 07:32
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.518 to 7.524 min

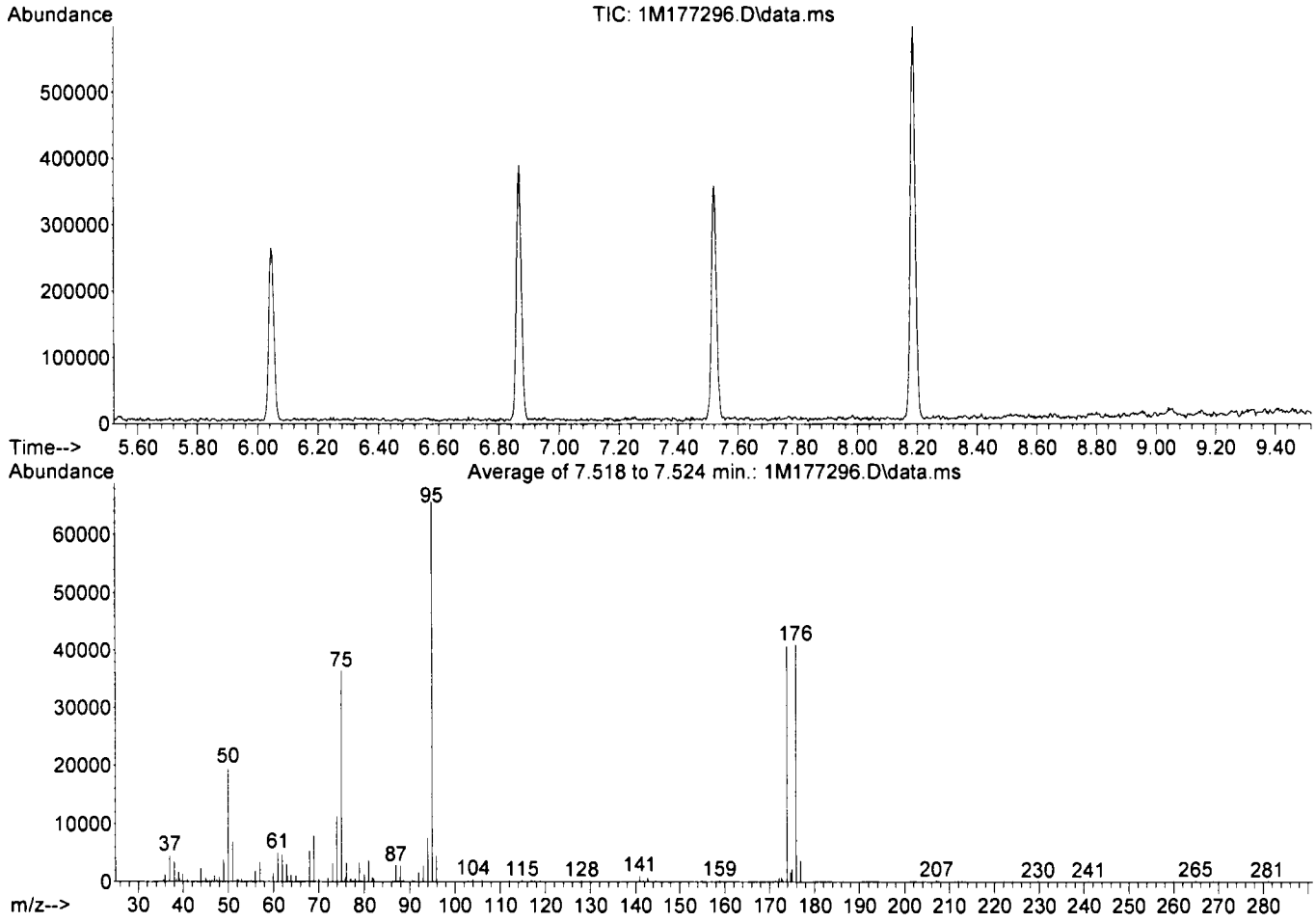
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	30.1	19752	PASS
75	95	30	60	55.5	36395	PASS
95	95	100	100	100.0	65547	PASS
96	95	5	9	6.7	4424	PASS
173	174	0.00	2	1.0	407	PASS
174	95	50	100	62.0	40651	PASS
175	174	5	9	5.4	2213	PASS
176	174	95	101	100.9	40997	PASS
177	176	5	9	8.9	3637	PASS

Data File	Sample Number	Analysis Date:
1M177298.D	CAL @ 20 PPB	08/11/23 08:08
1M177299.D	20 PPB	08/11/23 08:30
1M177300.D	HCL	08/11/23 08:51
1M177301.D	HCL	08/11/23 09:13
1M177302.D	DAILY BLANK	08/11/23 09:34
1M177303.D	DAILY BLANK	08/11/23 09:56
1M177304.D	AD39697-001	08/11/23 10:17
1M177305.D	AD39697-003	08/11/23 10:39
1M177306.D	AD39697-005	08/11/23 11:00
1M177307.D	MBS111397	08/11/23 11:22
1M177308.D	AD39605-005(50X)	08/11/23 11:43
1M177309.D	AD39697-007	08/11/23 12:05
1M177310.D	AD39697-011	08/11/23 12:26
1M177311.D	AD39697-012	08/11/23 12:48
1M177312.D	AD39692-001	08/11/23 13:09
1M177313.D	AD39697-009	08/11/23 13:31
1M177314.D	AD39626-001	08/11/23 13:53
1M177315.D	AD39626-002(MS:	08/11/23 14:14
1M177316.D	AD39626-003(MSD	08/11/23 14:36
1M177317.D	MBS111398	08/11/23 14:58
1M177318.D	AD39605-005(50X)	08/11/23 15:19
1M177319.D	AD39605-005(50X)	08/11/23 15:41
1M177320.D	AD39618-006(50X)	08/11/23 16:03
1M177321.D	AD39637-002(50X)	08/11/23 16:25
1M177322.D	AD39648-003(50X)	08/11/23 16:47
1M177323.D	EF-1-V-400767(081	08/11/23 17:09
1M177324.D	AD39666-002(50X)	08/11/23 17:30
1M177325.D	AD39648-006(50X)	08/11/23 17:52
1M177326.D	AD39680-001(50X)	08/11/23 18:14
1M177327.D	AD39681-001(50X)	08/11/23 18:36
1M177328.D	AD39690-002(50X)	08/11/23 18:58
1M177329.D	AD39660-002(50X)	08/11/23 19:20
1M177330.D	39681-001	08/11/23 19:42
1M177331.D	BLK	08/11/23 20:03
1M177332.D	BLK	08/11/23 20:19
1M177334.D	BLK	08/11/23 20:50
1M177335.D	20 PPB	08/11/23 21:06

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-11-23\
Data File : 1M177296.D
Acq On : 11 Aug 2023 07:32
Operator : MN
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2023\GCMS_1\MethodQt\1M_A0801.M
Title : @GCMS_1,ug,624,8260
Last Update : Tue Aug 01 23:32:33 2023



Spectrum Information: Average of 7.518 to 7.524 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	30.1	19752	PASS
75	95	30	60	55.5	36395	PASS
95	95	100	100	100.0	65547	PASS
96	95	5	9	6.7	4424	PASS
173	174	0.00	2	1.0	407	PASS
174	95	50	100	62.0	40651	PASS
175	174	5	9	5.4	2213	PASS
176	174	95	101	100.9	40997	PASS
177	176	5	9	8.9	3637	PASS

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 1M177256.D
Analysis Date: 08/10/23 11:24
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 704232

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK
Client Id:
Data File: 1M177256.D
Analysis Date: 08/10/23 11:24
Date Rec/Extracted:

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0J

Worksheet #: 704232

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK
Data File: 1M177256.D
Acq On : 08/10/23 11:24

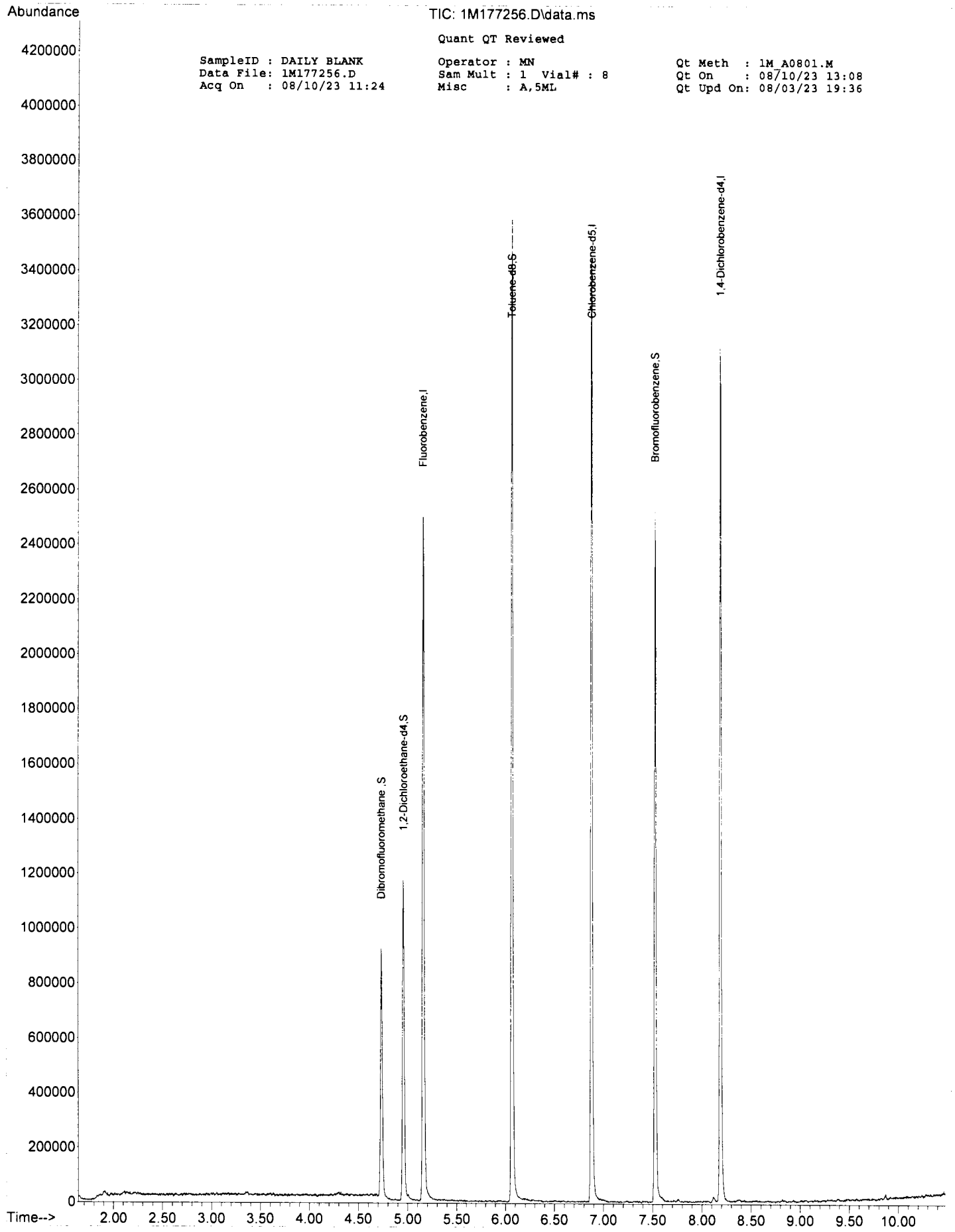
Operator : MN
Sam Mult : 1 Vial# : 8
Misc : A,5ML

Qt Meth : 1M_A0801.M
Qt On : 08/10/23 13:08
Qt Upd On: 08/03/23 19:36

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.158	96	1328197	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.881	117	1121680	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	484657	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.734	111	371769	29.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.40%			
39) 1,2-Dichloroethane-d4	4.959	67	249214	30.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.63%			
66) Toluene-d8	6.068	98	1391264	28.46	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.87%			
76) Bromofluorobenzene	7.528	174	372276	29.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.40%			
Target Compounds						Qvalue
No Library Search Compounds Found						

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


Abundance
TIC: 1M177256.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 1M177256.D
Acq On : 08/10/23 11:24
Operator : MN
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 1M_A0801.M
Qt On : 08/10/23 13:08
Qt Upd On: 08/03/23 19:36
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Data File : 1M177256.D
Acq On : 10 Aug 2023 11:24
Operator : MN
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2023\GCMS_1\MethodQt\1M_A0801.M
Title : @GCMS_1,ug,624,8260

Signal : TIC: 1M177256.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.734	952	963	976	rVB2	905458	1218214	29.36%	5.851%
2	4.959	1021	1033	1045	rBV	1170695	1520497	36.64%	7.302%
3	5.158	1086	1095	1109	rBV	2495244	3178619	76.60%	15.266%
4	6.068	1368	1378	1396	rBV	3584052	4149882	100.00%	19.930%
5	6.881	1621	1631	1642	rBV	3440478	4132804	99.59%	19.848%
6	7.528	1822	1832	1849	rBV2	2519409	2949639	71.08%	14.166%
7	8.190	2026	2038	2054	rBV	3124648	3672267	88.49%	17.637%

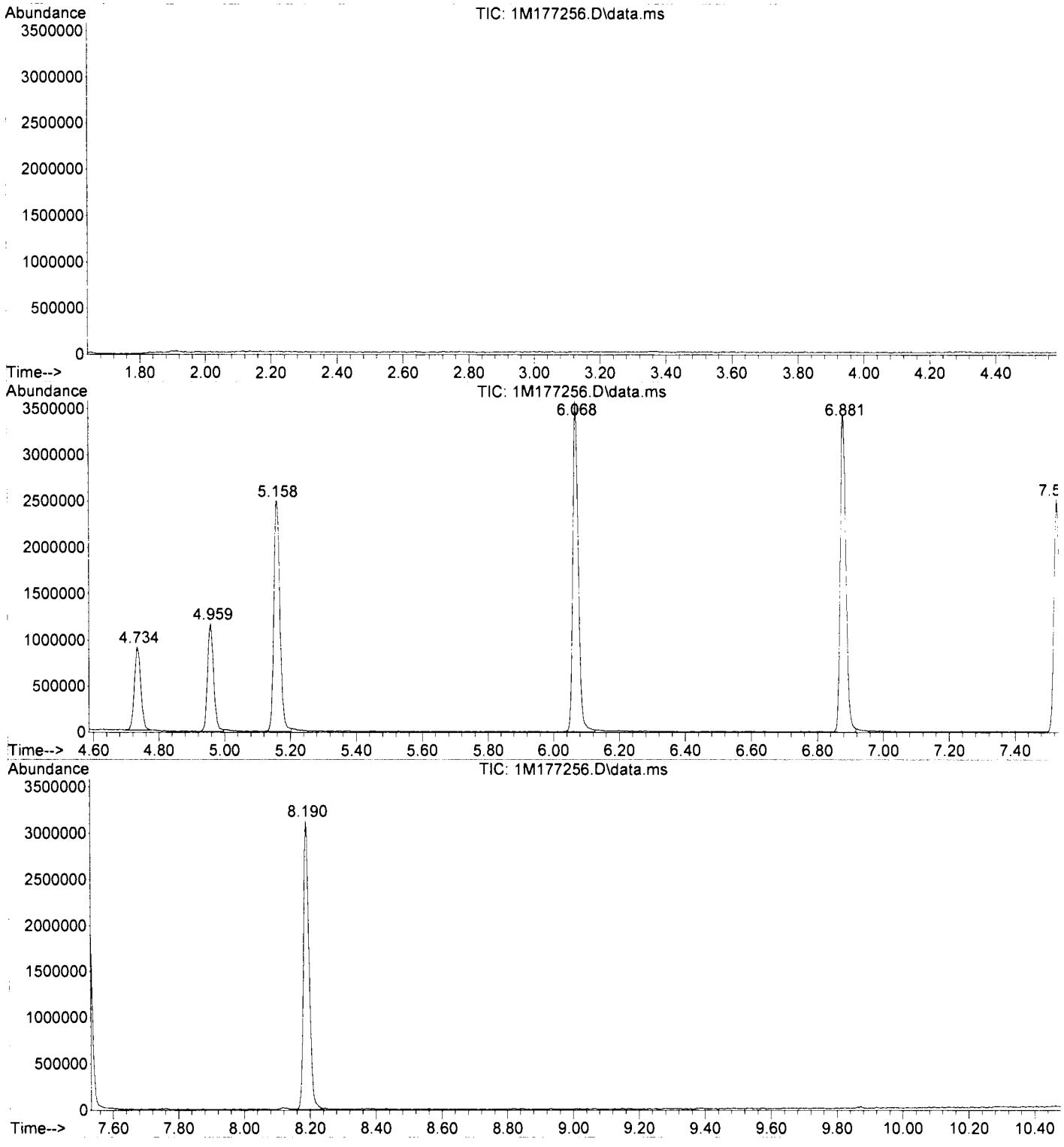
Sum of corrected areas: 20821922

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Data File : 1M177256.D
Acq On : 10 Aug 2023 11:24
Operator : MN
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 8 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_1\MethodQt\1M_A0801.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Data File : 1M177256.D
Acq On : 10 Aug 2023 11:24
Operator : MN
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 8 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_1\MethodQt\1M_A0801.M
Quant Title : @GCMS_1,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 2M188314.D
Analysis Date: 08/09/23 17:59
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.87	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 704232

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK
Client Id:
Data File: 2M188314.D
Analysis Date: 08/09/23 17:59
Date Rec/Extracted:

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0J

Worksheet #: 704232

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

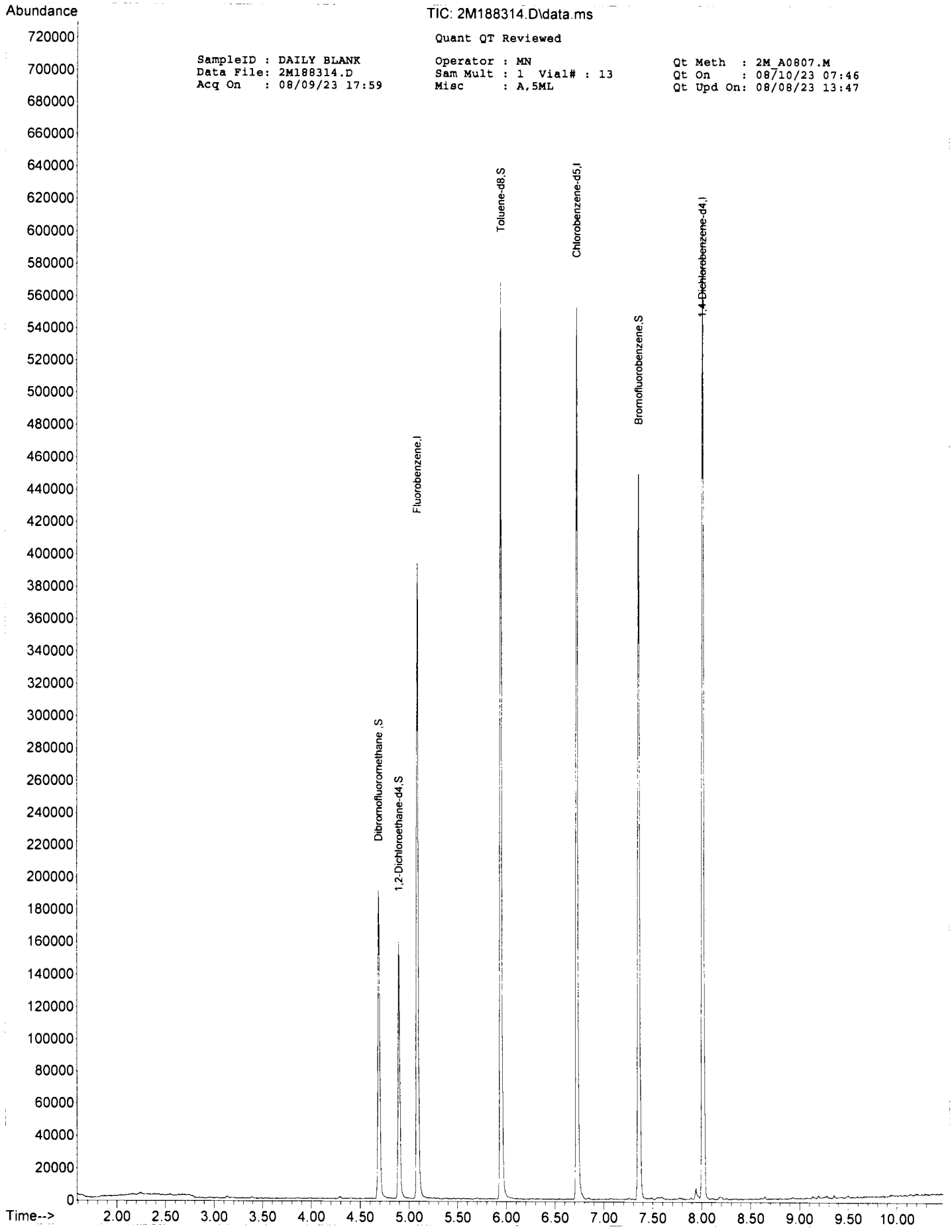
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : MN Qt Meth : 2M_A0807.M
Data File: 2M188314.D Sam Mult : 1 Vial# : 13 Qt On : 08/10/23 07:46
Acq On : 08/09/23 17:59 Misc : A,5ML Qt Upd On: 08/08/23 13:47

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.086	96	228510	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.726	117	221183	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	121836	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	71957	27.07	ug/l	-0.01
Spiked Amount 30.000			Recovery = 90.23%			
39) 1,2-Dichloroethane-d4	4.897	67	34629	30.22	ug/l	-0.01
Spiked Amount 30.000			Recovery = 100.73%			
66) Toluene-d8	5.946	98	255696	30.47	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.57%			
76) Bromofluorobenzene	7.360	174	103968	27.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 92.70%			
Target Compounds						Qvalue
No Library Search Compounds Found						

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


Abundance
TIC: 2M188314.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 2M188314.D
Acq On : 08/09/23 17:59
Operator : MN
Sam Mult : 1 Vial# : 13
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/10/23 07:46
Qt Upd On: 08/08/23 13:47
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Data File : 2M188314.D
Acq On : 09 Aug 2023 17:59
Operator : MN
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 13 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0807.M
Title : @GCMS_2,ug,624,8260

Signal : TIC: 2M188314.D\data.ms

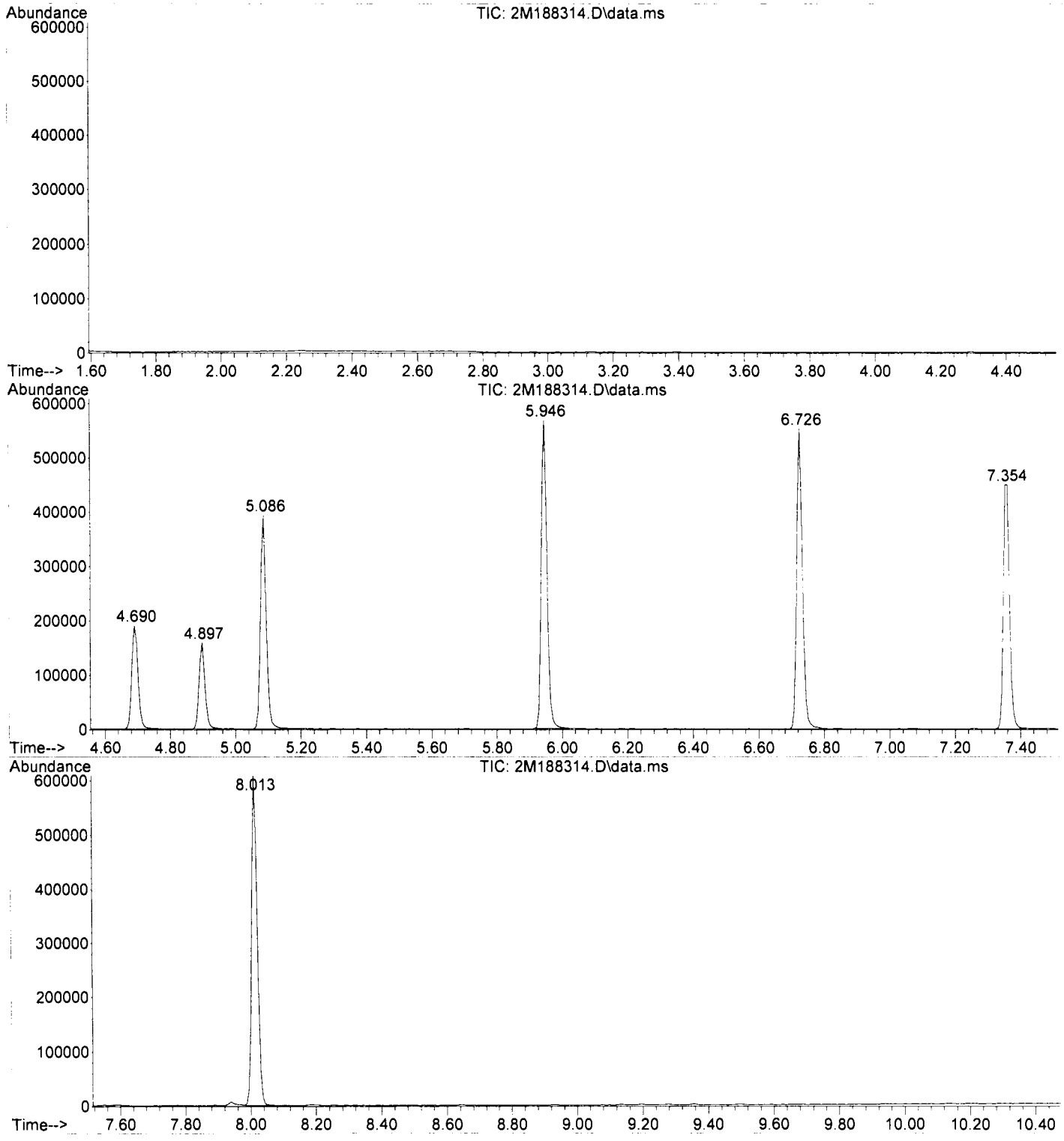
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.690	504	509	525	rBV	190731	258589	35.60%	7.145%
2	4.897	538	543	554	rBV	158824	198433	27.32%	5.482%
3	5.086	568	574	590	rBV	393711	485354	66.82%	13.410%
4	5.946	710	715	727	rBV	567977	685035	94.31%	18.927%
5	6.726	837	843	857	rVB	552937	676464	93.13%	18.690%
6	7.354	941	946	956	rBV	449369	589170	81.11%	16.278%
7	8.013	1049	1054	1066	rVB	607144	726365	100.00%	20.069%

Sum of corrected areas: 3619410

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Data File : 2M188314.D
Acq On : 09 Aug 2023 17:59
Operator : MN
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 13 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0807.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Data File : 2M188314.D
Acq On : 09 Aug 2023 17:59
Operator : MN
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 13 Sample Multiplier: 1

Quant Method : G:\GcMsData\2023\GCMS_2\MethodQt\2M_A0807.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard				
TIC Top Hit name	RT	EstConc	Units	Response	#	ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form3
Recovery Data Laboratory Limits
QC Batch: MBS111390

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M188318.D	MBS111390	8/9/2023 7:19:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	20.2051	0	20	101	16	181
Dichlorodifluoromethane	1	10.1981	0	20	51	10	202
Chloromethane	1	16.2278	0	20	81	10	182
Bromomethane	1	16.1089	0	20	81	10	172
Vinyl Chloride	1	18.4816	0	20	92	26	176
Chloroethane	1	18.9606	0	20	95	28	165
Trichlorofluoromethane	1	20.0171	0	20	100	18	178
Ethyl ether	1	18.5851	0	20	93	38	155
Furan	1	21.0653	0	20	105	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	18.5315	0	20	93	32	178
Methylene Chloride	1	20.7307	0	20	104	10	225
Acrolein	1	67.2901	0	100	67	10	183
Acrylonitrile	1	16.7843	0	20	84	40	164
Iodomethane	1	20.7874	0	20	104	10	191
Acetone	1	74.7189	0	100	75	10	237
Carbon Disulfide	1	18.4207	0	20	92	10	194
t-Butyl Alcohol	1	73.0094	0	100	73	21	185
n-Hexane	1	18.5689	0	20	93	43	179
Di-isopropyl-ether	1	19.0201	0	20	95	47	159
1,1-Dichloroethene	1	21.1833	0	20	106	42	172
Methyl Acetate	1	17.4478	0	20	87	10	192
Methyl-t-butyl ether	1	18.8254	0	20	94	43	154
1,1-Dichloroethane	1	20.0897	0	20	100	48	160
trans-1,2-Dichloroethene	1	20.2757	0	20	101	37	171
Ethyl-t-butyl ether	1	20.2549	0	20	101	53	149
cis-1,2-Dichloroethene	1	19.2499	0	20	96	45	161
Bromochloromethane	1	21.2183	0	20	106	42	170
2,2-Dichloropropane	1	19.1022	0	20	96	33	173
Ethyl acetate	1	16.4319	0	20	82	38	156
1,4-Dioxane	1	798.3864	0	1000	80	18	186
1,1-Dichloropropene	1	19.474	0	20	97	51	157
Chloroform	1	23.7006	0	20	119	47	157
Cyclohexane	1	19.3621	0	20	97	41	175
1,2-Dichloroethane	1	19.8237	0	20	99	43	154
2-Butanone	1	20.217	0	20	101	20	188
1,1,1-Trichloroethane	1	19.9277	0	20	100	49	155
Carbon Tetrachloride	1	20.3528	0	20	102	47	159
Vinyl Acetate	1	16.6858	0	20	83	31	160
Bromodichloromethane	1	24.256	0	20	121	48	152
Methylcyclohexane	1	18.8385	0	20	94	47	167
Dibromomethane	1	22.9914	0	20	115	47	153
1,2-Dichloropropane	1	21.6938	0	20	108	53	153
Trichloroethene	1	20.1362	0	20	101	45	165
Benzene	1	20.4233	0	20	102	41	163
tert-Amyl methyl ether	1	19.9787	0	20	100	51	146
Iso-propylacetate	1	17.238	0	20	86	37	153
Methyl methacrylate	1	22.613	0	20	113	40	160
Dibromochloromethane	1	18.8853	0	20	94	50	144
2-Chloroethylvinylether	1	26.0044	0	20	130	10	201
cis-1,3-Dichloropropene	1	22.6897	0	20	113	49	146
trans-1,3-Dichloropropene	1	18.6658	0	20	93	48	144
Ethyl methacrylate	1	17.079	0	20	85	38	160
1,1,2-Trichloroethane	1	19.7669	0	20	99	52	146
1,2-Dibromoethane	1	19.244	0	20	96	55	140
1,3-Dichloropropane	1	19.3653	0	20	97	54	142
4-Methyl-2-Pentanone	1	19.6681	0	20	98	41	158
2-Hexanone	1	16.6888	0	20	83	39	163
Tetrachloroethene	1	19.8518	0	20	99	48	162
Toluene	1	19.1729	0	20	96	49	153
1,1,1,2-Tetrachloroethane	1	19.1551	0	20	96	51	140
Chlorobenzene	1	18.8516	0	20	94	43	155

* - 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: MBS111390

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	15.915	0	20	80	21	181
n-Amyl acetate	1	14.1665	0	20	71	20	182
Bromoform	**1**	**15.3905**	**0**	**20**	**77**	**47**	**137**
Ethylbenzene	**1**	**16.9725**	**0**	**20**	**85**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**17.8106**	**0**	**20**	**89**	**36**	**152**
Styrene	**1**	**15.6511**	**0**	**20**	**78**	**34**	**170**
m&p-Xylenes	**1**	**31.9567**	**0**	**40**	**80**	**16**	**184**
o-Xylene	**1**	**15.2119**	**0**	**20**	**76**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	16.0814	0	20	80	10	154
1,3-Dichlorobenzene	**1**	**18.4324**	**0**	**20**	**92**	**46**	**147**
1,4-Dichlorobenzene	**1**	**18.6894**	**0**	**20**	**93**	**37**	**156**
1,2-Dichlorobenzene	**1**	**19.9351**	**0**	**20**	**100**	**42**	**150**
Isopropylbenzene	**1**	**16.5607**	**0**	**20**	**83**	**32**	**174**
Cyclohexanone	1	27.2196	0	100	27	10	254
Camphene	1	16.3589	0	20	82	10	172
1,2,3-Trichloropropane	1	19.4045	0	20	97	20	164
2-Chlorotoluene	1	19.9399	0	20	100	43	153
p-Ethyltoluene	1	18.4532	0	20	92	36	164
4-Chlorotoluene	1	21.2108	0	20	106	34	160
n-Propylbenzene	1	19.9723	0	20	100	30	176
Bromobenzene	1	19.7048	0	20	99	44	142
1,3,5-Trimethylbenzene	1	21.8717	0	20	109	37	165
Butyl methacrylate	1	21.2149	0	20	106	30	169
t-Butylbenzene	1	18.4652	0	20	92	48	162
1,2,4-Trimethylbenzene	1	18.6413	0	20	93	38	162
sec-Butylbenzene	1	18.0718	0	20	90	42	164
4-Isopropyltoluene	1	16.8714	0	20	84	40	162
n-Butylbenzene	1	18.5788	0	20	93	30	176
p-Diethylbenzene	1	17.2631	0	20	86	23	179
1,2,4,5-Tetramethylbenzene	1	15.7371	0	20	79	18	177
1,2-Dibromo-3-Chloropropane	**1**	**16.4874**	**0**	**20**	**82**	**32**	**154**
Camphor	1	137.5144	0	200	69	10	202
Hexachlorobutadiene	1	16.1648	0	20	81	23	181
1,2,4-Trichlorobenzene	**1**	**14.4242**	**0**	**20**	**72**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**14.1062**	**0**	**20**	**71**	**30**	**172**
Naphthalene	1	12.9344	0	20	65	13	191

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

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 2M188318.D
Acq On : 08/09/23 19:19

Operator : MN
Sam Mult : 1 Vial# : 17
Misc : A,5ML

Qt Meth : 2M_A0807.M
Qt On : 08/10/23 07:46
Qt Upd On: 08/08/23 13:47

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.086	96	155134	30.00	ug/l	-0.01
52) Chlorobenzene-d5	6.726	117	157764	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	105388	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.690	111	54655	30.28	ug/l	-0.01
Spiked Amount 30.000			Recovery = 100.93%			
39) 1,2-Dichloroethane-d4	4.897	67	22868	29.39	ug/l	-0.01
Spiked Amount 30.000			Recovery = 97.97%			
66) Toluene-d8	5.946	98	177378	29.63	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.77%			
76) Bromofluorobenzene	7.360	174	78925	24.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 81.33%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.678	51	30264	20.2051	ug/l	47
6) Dichlorodifluoromethane	1.666	85	13492	10.1981	ug/l	97
7) Chloromethane	1.843	50	15534	16.2278	ug/l	98
8) Bromomethane	2.233	94	18383	16.1089	ug/l	91
9) Vinyl Chloride	1.940	62	24661	18.4816	ug/l	99
10) Chloroethane	2.318	64	19866	18.9606	ug/l	95
11) Trichlorofluoromethane	2.544	101	61198	20.0171	ug/l	98
12) Ethyl ether	2.782	59	21372	18.5851	ug/l	92
13) Furan	2.818	39	37296	21.0653	ug/l	87
14) 1,1,2-Trichloro-1,2,2-...	2.977	101	23761	18.5315	ug/l	96
15) Methylene Chloride	3.391	84	29560	20.7307	ug/l	94
16) Acrolein	2.898	56	12429	67.2901	ug/l	88
17) Acrylonitrile	3.599	53	8502	16.7843	ug/l	98
18) Iodomethane	3.129	142	29984	20.7874	ug/l	96
19) Acetone	3.026	43	31996	74.7189	ug/l	95
20) Carbon Disulfide	3.190	76	45680	18.4207	ug/l	100
21) t-Butyl Alcohol	3.465	59	11766	73.0094	ug/l	99
22) n-Hexane	3.855	57	20226	18.5689	ug/l	94
23) Di-isopropyl-ether	4.013	45	61115	19.0201	ug/l	87
24) 1,1-Dichloroethene	2.989	61	39907	21.1833	ug/l	94
25) Methyl Acetate	3.300	43	16122	17.4478	ug/l	100
26) Methyl-t-butyl ether	3.623	73	77117	18.8254	ug/l	97
27) 1,1-Dichloroethane	3.983	63	45418	20.0897	ug/l	97
28) trans-1,2-Dichloroethene	3.629	96	29758	20.2757	ug/l	91
29) Ethyl-t-butyl ether	4.275	59	75250	20.2549	ug/l	98
30) cis-1,2-Dichloroethene	4.397	61	46053	19.2499	ug/l	94
31) Bromochloromethane	4.550	49	22083	21.2183	ug/l	98
32) 2,2-Dichloropropane	4.397	77	41376	19.1022	ug/l	97
33) Ethyl acetate	4.422	43	24020m	16.4319	ug/l	
34) 1,4-Dioxane	5.483	88	13668	798.3864	ug/l	85
35) 1,1-Dichloropropene	4.812	75	37700	19.4740	ug/l	97
36) Chloroform	4.592	83	63539	23.7006	ug/l	94
38) Cyclohexane	4.757	56	28881	19.3621	ug/l	92
40) 1,2-Dichloroethane	4.940	62	44081	19.8237	ug/l	97
41) 2-Butanone	4.410	43	11404m	20.2170	ug/l	
42) 1,1,1-Trichloroethane	4.720	97	50321	19.9277	ug/l	91
43) Carbon Tetrachloride	4.818	117	47259	20.3528	ug/l	95
44) Vinyl Acetate	4.007	43	72858	16.6858	ug/l	100
45) Bromodichloromethane	5.556	83	52591	24.2560	ug/l	98
46) Methylcyclohexane	5.403	83	33577	18.8385	ug/l	94
47) Dibromomethane	5.489	174	32570	22.9914	ug/l	97
48) 1,2-Dichloropropane	5.415	63	28680	21.6938	ug/l	94
49) Trichloroethene	5.294	130	37287	20.1362	ug/l	96
50) Benzene	4.934	78	109408	20.4233	ug/l	100
51) tert-Amyl methyl ether	4.977	73	79534	19.9787	ug/l	98
53) Iso-propylacetate	4.934	43	49422	17.2380	ug/l	100
54) Methyl methacrylate	5.446	41	28261	22.6130	ug/l	92
55) Dibromochloromethane	6.409	129	37608	18.8853	ug/l	98
56) 2-Chloroethylvinylether	5.696	63	13042	26.0044	ug/l	91
57) cis-1,3-Dichloropropene	5.793	75	54455	22.6897	ug/l	100
58) trans-1,3-Dichloropropene	6.080	75	43923	18.6658	ug/l	99
59) Ethyl methacrylate	6.098	41	22198	17.0790	ug/l	91
60) 1,1,2-Trichloroethane	6.190	97	30302	19.7669	ug/l	98
61) 1,2-Dibromoethane	6.488	107	33295	19.2440	ug/l	99
62) 1,3-Dichloropropane	6.281	76	47102	19.3653	ug/l	99
63) 4-Methyl-2-Pentanone	5.861	43	27519	19.6681	ug/l	98
64) 2-Hexanone	6.299	43	17677	16.6888	ug/l	96
65) Tetrachloroethene	6.281	164	30925	19.8518	ug/l	92
67) Toluene	5.982	92	74521	19.1729	ug/l	96

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 2M188318.D
Acq On : 08/09/23 19:19

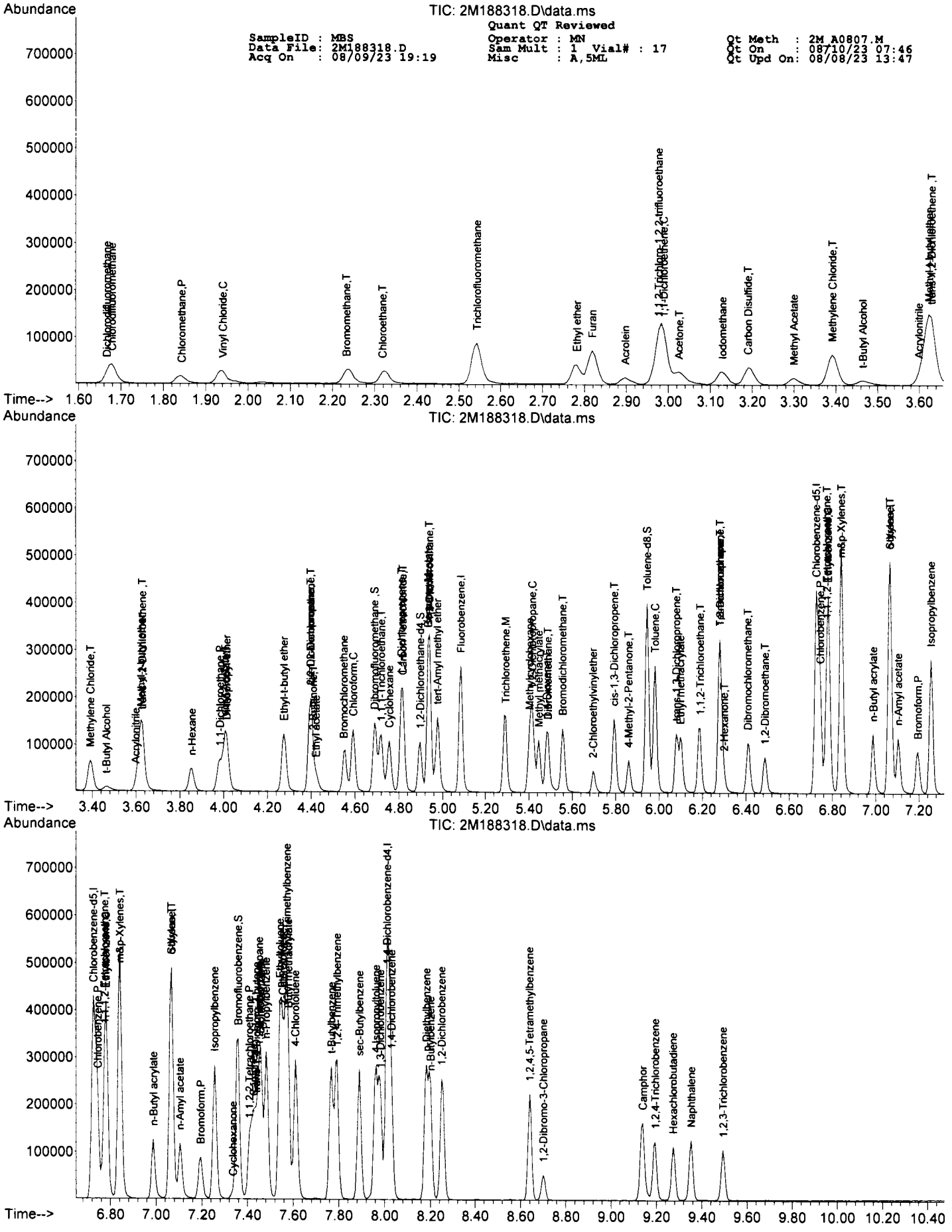
Operator : MN
Sam Mult : 1 Vial# : 17
Misc : A,5ML

Qt Meth : 2M_A0807.M
Qt On : 08/10/23 07:46
Qt Upd On: 08/08/23 13:47

Data Path : G:\GcMsData\2023\GCMS_2\Data\08-09-23\
Qt Path : G:\GcMsData\2023\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.775	133	33363	19.1551	ug/l	97
69)	Chlorobenzene	6.745	112	88076	18.8516	ug/l	100
71)	n-Butyl acrylate	6.988	55	54498	15.9150	ug/l	98
72)	n-Amyl acetate	7.104	43	45218	14.1665	ug/l	100
73)	Bromoform	7.196	173	28994	15.3905	ug/l	97
74)	Ethylbenzene	6.781	106	38750	16.9725	ug/l	94
75)	1,1,2,2-Tetrachloroethane	7.409	83	44410	17.8106	ug/l	98
77)	Styrene	7.068	104	94055	15.6511	ug/l	98
78)	m&p-Xylenes	6.842	106	108892	31.9567	ug/l	97
79)	o-Xylene	7.068	106	54128	15.2119	ug/l	95
80)	trans-1,4-Dichloro-2-b...	7.439	53	15464	16.0814	ug/l	92
81)	1,3-Dichlorobenzene	7.982	146	77837	18.4324	ug/l	99
82)	1,4-Dichlorobenzene	8.031	146	79005	18.6894	ug/l	99
83)	1,2-Dichlorobenzene	8.250	146	78729	19.9351	ug/l	99
84)	Isopropylbenzene	7.257	105	133367	16.5607	ug/l	99
85)	Cyclohexanone	7.336	55	4085	27.2196	ug/l	99
86)	Camphene	7.427	93	31112	16.3589	ug/l	99
87)	1,2,3-Trichloropropane	7.452	75	57106	19.4045	ug/l	95
88)	2-Chlorotoluene	7.555	91	91257	19.9399	ug/l	97
89)	p-Ethyltoluene	7.543	105	149598	18.4532	ug/l	99
90)	4-Chlorotoluene	7.610	91	98238	21.2108	ug/l	98
91)	n-Propylbenzene	7.482	91	170751	19.9723	ug/l	98
92)	Bromobenzene	7.458	77	90570	19.7048	ug/l	92
93)	1,3,5-Trimethylbenzene	7.574	105	128521	21.8717	ug/l	97
94)	Butyl methacrylate	7.580	41	43622	21.2149	ug/l	99
95)	t-Butylbenzene	7.769	119	116842	18.4652	ug/l	99
96)	1,2,4-Trimethylbenzene	7.793	105	122714	18.6413	ug/l	99
97)	sec-Butylbenzene	7.891	105	134973	18.0718	ug/l	97
98)	4-Isopropyltoluene	7.964	119	112272	16.8714	ug/l	99
99)	n-Butylbenzene	8.202	91	123546	18.5788	ug/l	97
100)	p-Diethylbenzene	8.183	119	68841	17.2631	ug/l	98
101)	1,2,4,5-Tetramethylben...	8.641	119	83890	15.7371	ug/l	97
102)	1,2-Dibromo-3-Chloropr...	8.701	157	10822	16.4874	ug/l	95
103)	Camphor	9.140	95	33914	137.5144	ug/l	100
104)	Hexachlorobutadiene	9.275	225	15092	16.1648	ug/l	94
105)	1,2,4-Trichlorobenzene	9.195	180	28468	14.4242	ug/l	98
106)	1,2,3-Trichlorobenzene	9.494	180	23671	14.1062	ug/l	96
107)	Naphthalene	9.354	128	72403	12.9344	ug/l	100

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


Abundance
TIC: 2M188318.D\data.ms
Quant QT Reviewed
SampleID : MBS
Data File: 2M188318.D
Acq On : 08/09/23 19:19
Operator : MN
Sam Mult : 1 Vial# : 17
Misc : A,5ML
Qt Meth : 2M_A0807.M
Qt On : 08/10/23 07:46
Qt Upd On: 08/08/23 13:47
Time-->

Form3
Recovery Data Laboratory Limits
QC Batch: MBS111395

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M177264.D	MBS111395	8/10/2023 2:18:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	24.4573	0	20	122	16	181
Dichlorodifluoromethane	1	13.1049	0	20	66	10	202
Chloromethane	1	19.0395	0	20	95	10	182
Bromomethane	1	17.464	0	20	87	10	172
Vinyl Chloride	1	21.011	0	20	105	26	176
Chloroethane	1	21.3615	0	20	107	28	165
Trichlorofluoromethane	1	23.6848	0	20	118	18	178
Ethyl ether	1	21.6216	0	20	108	38	155
Furan	1	24.1415	0	20	121	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.5527	0	20	108	32	178
Methylene Chloride	1	20.2025	0	20	101	10	225
Acrolein	1	99.5456	0	100	100	10	183
Acrylonitrile	1	19.1122	0	20	96	40	164
Iodomethane	1	17.3871	0	20	87	10	191
Acetone	1	93.282	0	100	93	10	237
Carbon Disulfide	1	19.1106	0	20	96	10	194
t-Butyl Alcohol	1	86.1874	0	100	86	21	185
n-Hexane	1	23.3775	0	20	117	43	179
Di-isopropyl-ether	1	21.5131	0	20	108	47	159
1,1-Dichloroethene	1	23.9338	0	20	120	42	172
Methyl Acetate	1	17.8046	0	20	89	10	192
Methyl-t-butyl ether	1	19.2778	0	20	96	43	154
1,1-Dichloroethane	1	20.9096	0	20	105	48	160
trans-1,2-Dichloroethene	1	21.5788	0	20	108	37	171
Ethyl-t-butyl ether	1	21.809	0	20	109	53	149
cis-1,2-Dichloroethene	1	26.7823	0	20	134	45	161
Bromochloromethane	1	24.9053	0	20	125	42	170
2,2-Dichloropropane	1	29.1002	0	20	146	33	173
Ethyl acetate	1	22.6583	0	20	113	38	156
1,4-Dioxane	1	1036.037	0	1000	104	18	186
1,1-Dichloropropene	1	26.7459	0	20	134	51	157
Chloroform	1	23.8522	0	20	119	47	157
Cyclohexane	1	26.8117	0	20	134	41	175
1,2-Dichloroethane	1	22.8844	0	20	114	43	154
2-Butanone	1	23.5968	0	20	118	20	188
1,1,1-Trichloroethane	1	24.0637	0	20	120	49	155
Carbon Tetrachloride	1	23.5996	0	20	118	47	159
Vinyl Acetate	1	23.5049	0	20	118	31	160
Bromodichloromethane	1	23.2851	0	20	116	48	152
Methylcyclohexane	1	28.8458	0	20	144	47	167
Dibromomethane	1	20.0224	0	20	100	47	153
1,2-Dichloropropane	1	23.5911	0	20	118	53	153
Trichloroethene	1	24.652	0	20	123	45	165
Benzene	1	25.8383	0	20	129	41	163
tert-Amyl methyl ether	1	23.1629	0	20	116	51	146
Iso-propylacetate	1	20.4205	0	20	102	37	153
Methyl methacrylate	1	22.7052	0	20	114	40	160
Dibromochloromethane	1	19.9983	0	20	100	50	144
2-Chloroethylvinylether	1	21.5481	0	20	108	10	201
cis-1,3-Dichloropropene	1	22.3694	0	20	112	49	146
trans-1,3-Dichloropropene	1	21.4871	0	20	107	48	144
Ethyl methacrylate	1	17.299	0	20	86	38	160
1,1,2-Trichloroethane	1	20.9712	0	20	105	52	146
1,2-Dibromoethane	1	21.7801	0	20	109	55	140
1,3-Dichloropropane	1	22.4399	0	20	112	54	142
4-Methyl-2-Pentanone	1	22.1122	0	20	111	41	158
2-Hexanone	1	20.4656	0	20	102	39	163
Tetrachloroethene	1	22.9059	0	20	115	48	162
Toluene	1	25.3726	0	20	127	49	153
1,1,1,2-Tetrachloroethane	1	21.095	0	20	105	51	140
Chlorobenzene	1	23.4542	0	20	117	43	155

* - 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: MBS111395

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	19.9921	0	20	100	21	181
n-Amyl acetate	1	16.9453	0	20	85	20	182
Bromoform	**1**	**19.5218**	**0**	**20**	**98**	**47**	**137**
Ethylbenzene	**1**	**26.3316**	**0**	**20**	**132**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**21.8663**	**0**	**20**	**109**	**36**	**152**
Styrene	**1**	**27.5343**	**0**	**20**	**138**	**34**	**170**
m&p-Xylenes	**1**	**58.4458**	**0**	**40**	**146**	**16**	**184**
o-Xylene	**1**	**27.6626**	**0**	**20**	**138**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	19.2895	0	20	96	10	154
1,3-Dichlorobenzene	**1**	**24.7888**	**0**	**20**	**124**	**46**	**147**
1,4-Dichlorobenzene	**1**	**23.4299**	**0**	**20**	**117**	**37**	**156**
1,2-Dichlorobenzene	**1**	**24.1197**	**0**	**20**	**121**	**42**	**150**
Isopropylbenzene	**1**	**31.9312**	**0**	**20**	**160**	**32**	**174**
Cyclohexanone	1	73.2926	0	100	73	10	254
Camphene	1	20.0401	0	20	100	10	172
1,2,3-Trichloropropane	1	21.6893	0	20	108	20	164
2-Chlorotoluene	1	26.1646	0	20	131	43	153
p-Ethyltoluene	1	27.3287	0	20	137	36	164
4-Chlorotoluene	1	26.7982	0	20	134	34	160
n-Propylbenzene	1	28.2699	0	20	141	30	176
Bromobenzene	1	23.3859	0	20	117	44	142
1,3,5-Trimethylbenzene	1	29.3849	0	20	147	37	165
Butyl methacrylate	1	19.2686	0	20	96	30	169
t-Butylbenzene	1	28.3561	0	20	142	48	162
1,2,4-Trimethylbenzene	1	23.013	0	20	115	38	162
sec-Butylbenzene	1	28.0349	0	20	140	42	164
4-Isopropyltoluene	1	20.0733	0	20	100	40	162
n-Butylbenzene	1	29.7503	0	20	149	30	176
p-Diethylbenzene	1	19.8274	0	20	99	23	179
1,2,4,5-Tetramethylbenzene	1	14.957	0	20	75	18	177
1,2-Dibromo-3-Chloropropane	**1**	**21.0061**	**0**	**20**	**105**	**32**	**154**
Camphor	1	182.5449	0	200	91	10	202
Hexachlorobutadiene	1	19.7048	0	20	99	23	181
1,2,4-Trichlorobenzene	**1**	**23.642**	**0**	**20**	**118**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**24.2653**	**0**	**20**	**121**	**30**	**172**
Naphthalene	1	18.8397	0	20	94	13	191

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

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 1M177264.D
Acq On : 08/10/23 14:18
Operator : MN
Sam Mult : 1 Vial# : 16
Misc : A,5ML
Qt Meth : 1M_A0801.M
Qt On : 08/10/23 14:33
Qt Upd On: 08/03/23 19:36

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1346526	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.881	117	1168846	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.193	152	569486	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.737	111	374240	29.31	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.70%			
39) 1,2-Dichloroethane-d4	4.959	67	249110	29.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.23%			
66) Toluene-d8	6.068	98	1495619	29.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.87%			
76) Bromofluorobenzene	7.528	174	440874	30.05	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.17%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.685	51	419254m	24.4573	ug/l	
6) Dichlorodifluoromethane	1.673	85	111476m	13.1049	ug/l	
7) Chloromethane	1.846	50	256962m	19.0395	ug/l	
8) Bromomethane	2.219	94	117726	17.4640	ug/l	95
9) Vinyl Chloride	1.930	62	241496	21.0110	ug/l	97
10) Chloroethane	2.303	64	171563	21.3615	ug/l	96
11) Trichlorofluoromethane	2.521	101	325924	23.6848	ug/l	98
12) Ethyl ether	2.750	59	288230	21.6216	ug/l	66
13) Furan	2.792	39	551894m	24.1415	ug/l	
14) 1,1,2-Trichloro-1,2,2-...	2.946	101	158670m	21.5527	ug/l	
15) Methylene Chloride	3.354	84	225213m	20.2025	ug/l	
16) Acrolein	2.865	56	253269m	99.5456	ug/l	
17) Acrylonitrile	3.557	53	154759	19.1122	ug/l	93
18) Iodomethane	3.097	142	152550m	17.3871	ug/l	
19) Acetone	2.991	43	557388m	93.2820	ug/l	
20) Carbon Disulfide	3.168	76	356817	19.1106	ug/l	100
21) t-Butyl Alcohol	3.422	59	165063	86.1874	ug/l	87
22) n-Hexane	3.827	57	260648	23.3775	ug/l	97
23) Di-isopropyl-ether	3.997	45	937987	21.5131	ug/l	72
24) 1,1-Dichloroethene	2.959	61	414936	23.9338	ug/l	79
25) Methyl Acetate	3.261	43	287821	17.8046	ug/l	100
26) Methyl-t-butyl ether	3.589	73	583734	19.2778	ug/l	73
27) 1,1-Dichloroethane	3.959	63	475240	20.9096	ug/l	93
28) trans-1,2-Dichloroethene	3.599	96	197594	21.5788	ug/l	72
29) Ethyl-t-butyl ether	4.290	59	789075	21.8090	ug/l	86
30) cis-1,2-Dichloroethene	4.412	61	496946	26.7823	ug/l	81
31) Bromochloromethane	4.586	49	296294m	24.9053	ug/l	
32) 2,2-Dichloropropane	4.422	77	333303	29.1002	ug/l	98
33) Ethyl acetate	4.451	43	362538	22.6583	ug/l	99
34) 1,4-Dioxane	5.582	88	153286	1036.0366	ug/l	79
35) 1,1-Dichloropropene	4.872	75	292265	26.7459	ug/l	94
36) Chloroform	4.627	83	431171	23.8522	ug/l	97
38) Cyclohexane	4.814	56	331416	26.8117	ug/l	70
40) 1,2-Dichloroethane	5.004	62	437299	22.8844	ug/l	100
41) 2-Butanone	4.418	43	154222	23.5968	ug/l	65
42) 1,1,1-Trichloroethane	4.769	97	342916	24.0637	ug/l	97
43) Carbon Tetrachloride	4.878	117	232301m	23.5996	ug/l	
44) Vinyl Acetate	3.981	43	1142451	23.5049	ug/l	100
45) Bromodichloromethane	5.656	83	325731	23.2851	ug/l	96
46) Methylcyclohexane	5.502	83	226285	28.8458	ug/l	74
47) Dibromomethane	5.582	174	126410	20.0224	ug/l	90
48) 1,2-Dichloropropane	5.512	63	284568	23.5911	ug/l	89
49) Trichloroethene	5.377	130	196482	24.6520	ug/l	89
50) Benzene	5.000	78	889797	25.8383	ug/l	100
51) tert-Amyl methyl ether	5.055	73	536243	23.1629	ug/l	78
53) Iso-propylacetate	5.007	43	603831	20.4205	ug/l	89
54) Methyl methacrylate	5.547	41	318218	22.7052	ug/l	60
55) Dibromochloromethane	6.553	129	202436	19.9983	ug/l	96
56) 2-Chloroethylvinylether	5.512	63	284568	21.5481	ug/l	63
57) cis-1,3-Dichloropropene	5.907	75	343750	22.3694	ug/l	97
58) trans-1,3-Dichloropropene	6.209	75	329830	21.4871	ug/l	97
59) Ethyl methacrylate	6.238	41	275103	17.2990	ug/l	60
60) 1,1,2-Trichloroethane	6.319	97	220450	20.9712	ug/l	91
61) 1,2-Dibromoethane	6.631	107	225188	21.7801	ug/l	91
62) 1,3-Dichloropropane	6.418	76	389832	22.4399	ug/l	92
63) 4-Methyl-2-Pentanone	5.984	43	303228	22.1122	ug/l	90
64) 2-Hexanone	6.441	43	215725	20.4656	ug/l	92
65) Tetrachloroethene	6.418	164	142344	22.9059	ug/l	100
67) Toluene	6.106	92	579215	25.3726	ug/l	87

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 1M177264.D
Acq On : 08/10/23 14:18

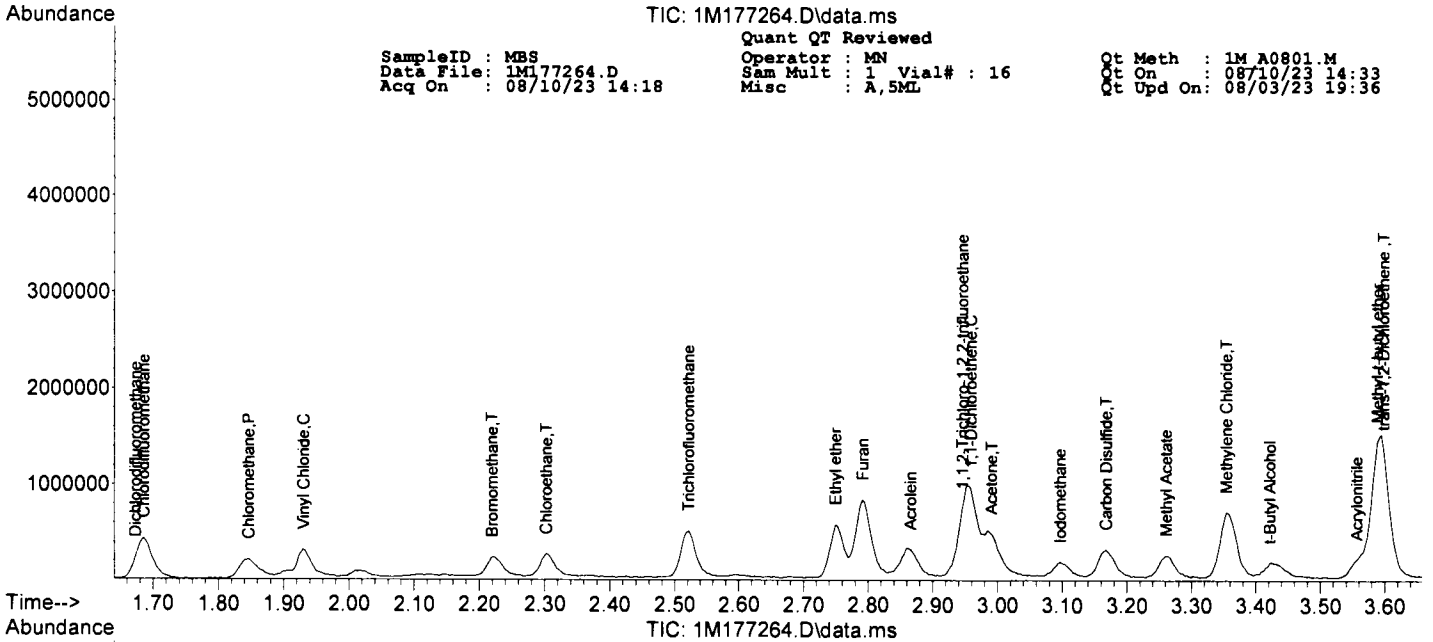
Operator : MN
Sam Mult : 1 Vial# : 16
Misc : A,5ML

Qt Meth : 1M_A0801.M
Qt On : 08/10/23 14:33
Qt Upd On: 08/03/23 19:36

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,1,1,2-Tetrachloroethane	6.930	133	175706	21.0950	ug/l	97
69) Chlorobenzene	6.897	112	557301	23.4542	ug/l	96
71) n-Butyl acrylate	7.158	55	618125	19.9921	ug/l	84
72) n-Amyl acetate	7.280	43	560763	16.9453	ug/l	81
73) Bromoform	7.357	173	127274	19.5218	ug/l	93
74) Ethylbenzene	6.942	106	247043	26.3316	ug/l	86
75) 1,1,2,2-Tetrachloroethane	7.582	83	305651	21.8663	ug/l	96
77) Styrene	7.235	104	621246	27.5343	ug/l	85
78) m&p-Xylenes	7.004	106	718809	58.4458	ug/l	91
79) o-Xylene	7.232	106	361238	27.6626	ug/l	88
80) trans-1,4-Dichloro-2-b...	7.611	53	142480	19.2895	ug/l	78
81) 1,3-Dichlorobenzene	8.158	146	349532	24.7888	ug/l	96
82) 1,4-Dichlorobenzene	8.206	146	353715	23.4299	ug/l	98
83) 1,2-Dichlorobenzene	8.431	146	326048	24.1197	ug/l	95
84) Isopropylbenzene	7.428	105	828802	31.9312	ug/l	97
85) Cyclohexanone	7.505	55	63707	73.2926	ug/l	87
86) Camphene	7.605	93	166590	20.0401	ug/l	93
87) 1,2,3-Trichloropropane	7.624	75	378790	21.6893	ug/l	96
88) 2-Chlorotoluene	7.727	91	578516	26.1646	ug/l	89
89) p-Ethyltoluene	7.721	105	793097	27.3287	ug/l	93
90) 4-Chlorotoluene	7.785	91	580876	26.7982	ug/l	92
91) n-Propylbenzene	7.659	91	1004990	28.2699	ug/l	93
92) Bromobenzene	7.627	77	595207	23.3859	ug/l	79
93) 1,3,5-Trimethylbenzene	7.746	105	677198	29.3849	ug/l	93
94) Butyl methacrylate	7.759	41	431524m	19.2686	ug/l	
95) t-Butylbenzene	7.946	119	541892	28.3561	ug/l	92
96) 1,2,4-Trimethylbenzene	7.968	105	680620	23.0130	ug/l	95
97) sec-Butylbenzene	8.071	105	670183	28.0349	ug/l	93
98) 4-Isopropyltoluene	8.142	119	538476	20.0733	ug/l	95
99) n-Butylbenzene	8.380	91	683792	29.7503	ug/l	96
100) p-Diethylbenzene	8.364	119	301464	19.8274	ug/l	95
101) 1,2,4,5-Tetramethylben...	8.823	119	373516	14.9570	ug/l	94
102) 1,2-Dibromo-3-Chloropr...	8.878	157	47832	21.0061	ug/l	86
103) Camphor	9.319	95	259604	182.5449	ug/l	97
104) Hexachlorobutadiene	9.460	225	50944	19.7048	ug/l	97
105) 1,2,4-Trichlorobenzene	9.373	180	137973	23.6420	ug/l	95
106) 1,2,3-Trichlorobenzene	9.679	180	120032	24.2653	ug/l	97
107) Naphthalene	9.534	128	464397	18.8397	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed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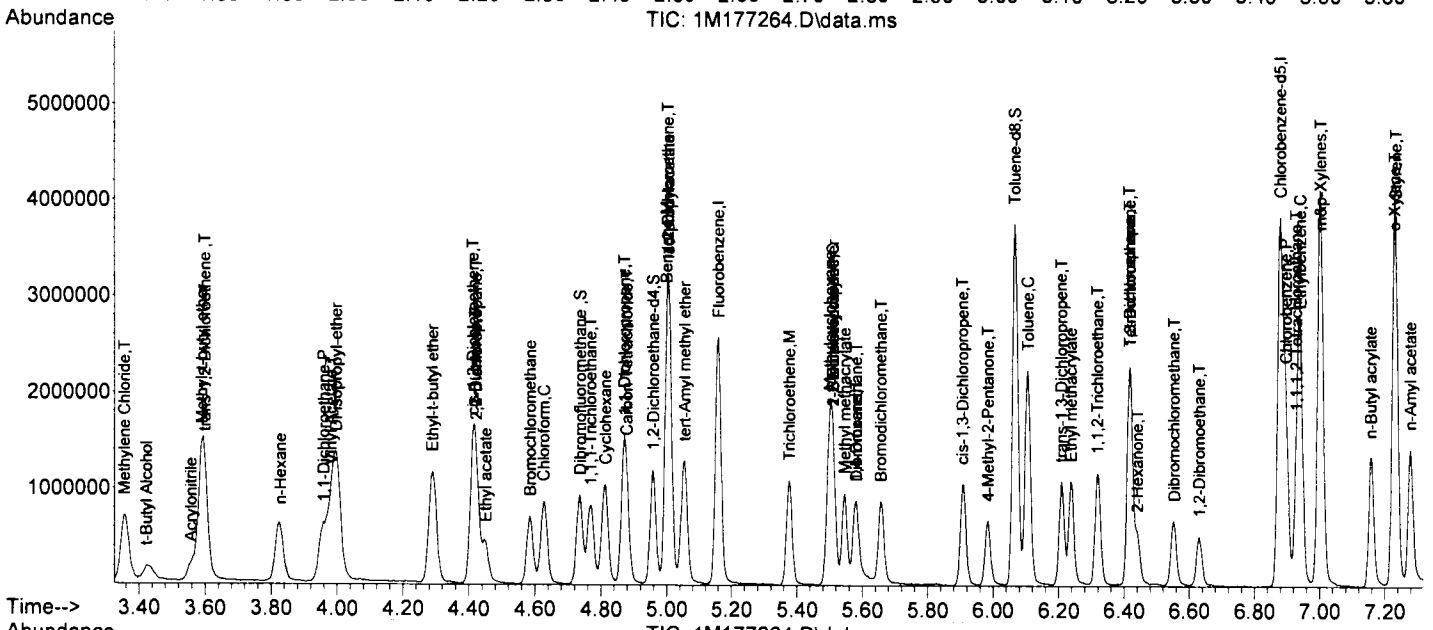
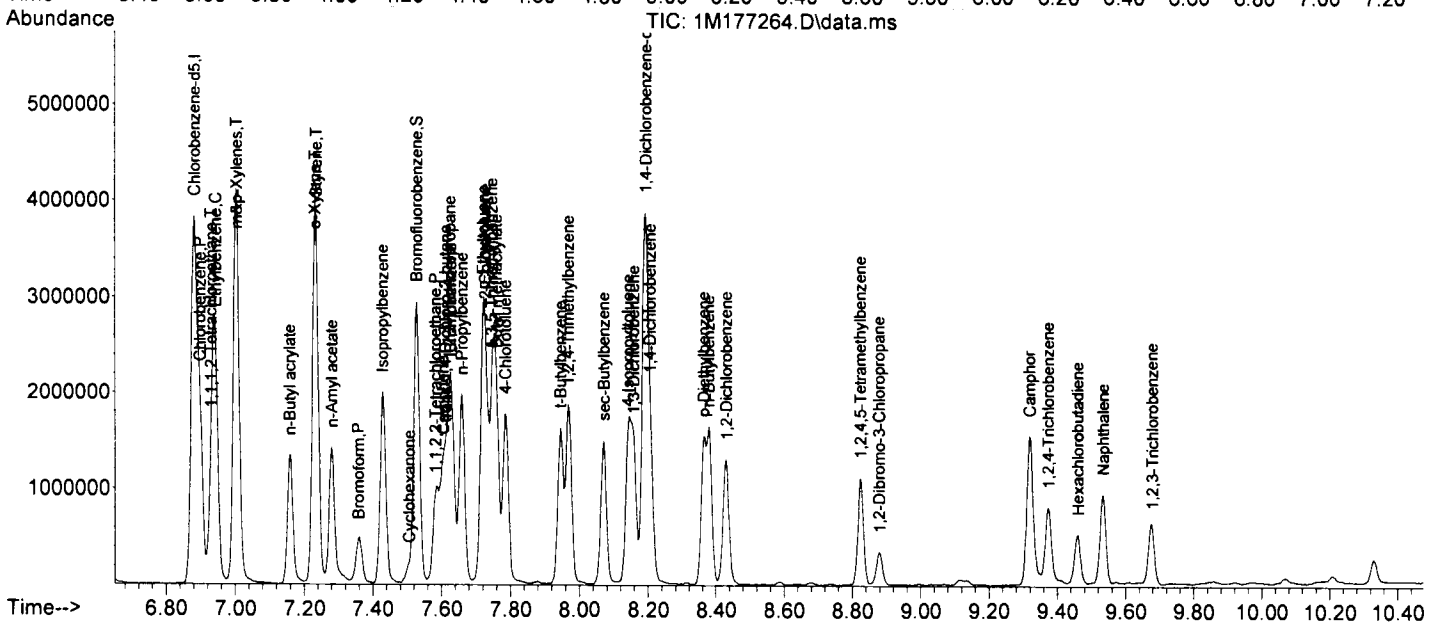
TIC: 1M177264.D\data.ms
Quant QT Reviewed
SampleID : MBS
Data File: 1M177264.D
Acq On : 08/10/23 14:18
Operator : MN
Sam Mult : 1 Vial# : 16
Misc : A,5ML
Qt Meth : 1M A0801.M
Qt On : 08/10/23 14:33
Qt Upd On: 08/03/23 19:36
Dichlorodifluoromethane
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 1M177264.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Time-->


Abundance
TIC: 1M177264.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
1,4-Dichlorobenzene-d4,S
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene
p-Diethylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form3
Recovery Data Laboratory Limits
QC Batch: MBS111395

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M177270.D	AD39618-006(50X)(T:MS)	8/10/2023 4:28:00 PM
Non Spike(If applicable):	1M177320.D	AD39618-006(50X)(T)	8/11/2023 4:03:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	16	181
Dichlorodifluoromethane	1	0	0	20	0*	10	202
Chloromethane	1	0	0	20	0*	10	182
Bromomethane	1	0	0	20	0*	10	172
Vinyl Chloride	1	0	0	20	0*	26	176
Chloroethane	1	0	0	20	0*	28	165
Trichlorofluoromethane	1	0	0	20	0*	18	178
Ethyl ether	1	0	0	20	0*	38	155
Furan	1	0	0	20	0*	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	20	0*	32	178
Methylene Chloride	1	0	0	20	0*	10	225
Acrolein	1	0	0	100	0*	10	183
Acrylonitrile	1	0	0	20	0*	40	164
Iodomethane	1	0	0	20	0*	10	191
Acetone	1	0	0	100	0*	10	237
Carbon Disulfide	1	0	0	20	0*	10	194
t-Butyl Alcohol	1	0	0	100	0*	21	185
n-Hexane	1	0	0	20	0*	43	179
Di-isopropyl-ether	1	0	0	20	0*	47	159
1,1-Dichloroethene	1	0	0	20	0*	42	172
Methyl Acetate	1	0	0	20	0*	10	192
Methyl-t-butyl ether	1	0	0	20	0*	43	154
1,1-Dichloroethane	1	0	0	20	0*	48	160
trans-1,2-Dichloroethene	1	0	0	20	0*	37	171
Ethyl-t-butyl ether	1	0	0	20	0*	53	149
cis-1,2-Dichloroethene	1	0	0	20	0*	45	161
Bromochloromethane	1	0	0	20	0*	42	170
2,2-Dichloropropane	1	0	0	20	0*	33	173
Ethyl acetate	1	0	0	20	0*	38	156
1,4-Dioxane	1	0	0	1000	0*	18	186
1,1-Dichloropropene	1	0	0	20	0*	51	157
Chloroform	1	0	0	20	0*	47	157
Cyclohexane	1	0	0	20	0*	41	175
1,2-Dichloroethane	1	0	0	20	0*	43	154
2-Butanone	1	0	0	20	0*	20	188
1,1,1-Trichloroethane	1	0	0	20	0*	49	155
Carbon Tetrachloride	1	0	0	20	0*	47	159
Vinyl Acetate	1	0	0	20	0*	31	160
Bromodichloromethane	1	0	0	20	0*	48	152
Methylcyclohexane	1	0	0	20	0*	47	167
Dibromomethane	1	0	0	20	0*	47	153
1,2-Dichloropropane	1	0	0	20	0*	53	153
Trichloroethene	1	0	0	20	0*	45	165
Benzene	1	0	0	20	0*	41	163
tert-Amyl methyl ether	1	0	0	20	0*	51	146
Iso-propylacetate	1	0	0	20	0*	37	153
Methyl methacrylate	1	0	0	20	0*	40	160
Dibromochloromethane	1	0	0	20	0*	50	144
2-Chloroethylvinylether	1	0	0	20	0*	10	201
cis-1,3-Dichloropropene	1	0	0	20	0*	49	146
trans-1,3-Dichloropropene	1	0	0	20	0*	48	144
Ethyl methacrylate	1	0	0	20	0*	38	160
1,1,2-Trichloroethane	1	0	0	20	0*	52	146
1,2-Dibromoethane	1	0	0	20	0*	55	140
1,3-Dichloropropane	1	0	0	20	0*	54	142
4-Methyl-2-Pentanone	1	0	0	20	0*	41	158
2-Hexanone	1	0	0	20	0*	39	163
Tetrachloroethene	1	0	0	20	0*	48	156
Toluene	1	0	0	20	0*	49	153
1,1,1,2-Tetrachloroethane	1	0	0	20	0*	51	140
Chlorobenzene	1	0	0	20	0*	43	155

* - 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: MBS111395

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	0	0	20	0*	21	181
n-Amyl acetate	1	0	0	20	0*	20	182
Bromoform	1	0	0	20	0*	47	137
Ethylbenzene	1	0	0	20	0*	41	153
1,1,2,2-Tetrachloroethane	1	0	0	20	0*	36	152
Styrene	1	0	0	20	0*	34	170
m&p-Xylenes	1	1.6259	0	40	4.1*	16	184
o-Xylene	1	0	0	20	0*	31	166
trans-1,4-Dichloro-2-butene	1	0	0	20	0*	10	154
1,3-Dichlorobenzene	1	0	0	20	0*	46	147
1,4-Dichlorobenzene	1	0	0	20	0*	37	156
1,2-Dichlorobenzene	1	0	0	20	0*	42	150
Isopropylbenzene	1	0	0	20	0*	32	174
Cyclohexanone	1	0	0	100	0*	10	254
Camphene	1	0	0	20	0*	10	172
1,2,3-Trichloropropane	1	0	0	20	0*	20	164
2-Chlorotoluene	1	0	0	20	0*	43	153
p-Ethyltoluene	1	0	0	20	0*	36	164
4-Chlorotoluene	1	0	0	20	0*	34	160
n-Propylbenzene	1	0	0	20	0*	36	170
Bromobenzene	1	0	0	20	0*	44	142
1,3,5-Trimethylbenzene	1	0	0	20	0*	37	165
Butyl methacrylate	1	0	0	20	0*	30	169
t-Butylbenzene	1	0	0	20	0*	48	152
1,2,4-Trimethylbenzene	1	0	0	20	0*	38	162
sec-Butylbenzene	1	0	0	20	0*	42	164
4-Isopropyltoluene	1	0	0	20	0*	40	162
n-Butylbenzene	1	0	0	20	0*	30	176
p-Diethylbenzene	1	0	0	20	0*	23	179
1,2,4,5-Tetramethylbenzene	1	0	0	20	0*	18	177
1,2-Dibromo-3-Chloropropane	1	0	0	20	0*	32	154
Camphor	1	0	0	200	0*	10	202
Hexachlorobutadiene	1	0	0	20	0*	23	181
1,2,4-Trichlorobenzene	1	0	0	20	0*	28	169
1,2,3-Trichlorobenzene	1	0	0	20	0*	30	172
Naphthalene	1	0	0	20	0*	13	191

* - 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: MBS111395

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M177271.D	AD39618-006(50X)(T:MSD)	8/10/2023 4:50:00 PM
Non Spike(If applicable):	1M177320.D	AD39618-006(50X)(T)	8/11/2023 4:03:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	16	181
Dichlorodifluoromethane	1	0	0	20	0*	10	202
Chloromethane	1	0	0	20	0*	10	182
Bromomethane	1	0	0	20	0*	10	172
Vinyl Chloride	1	0	0	20	0*	26	176
Chloroethane	1	0	0	20	0*	28	165
Trichlorofluoromethane	1	0	0	20	0*	18	178
Ethyl ether	1	0	0	20	0*	38	155
Furan	1	0	0	20	0*	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	20	0*	32	178
Methylene Chloride	1	0	0	20	0*	10	225
Acrolein	1	0	0	100	0*	10	183
Acrylonitrile	1	0	0	20	0*	40	164
Iodomethane	1	0	0	20	0*	10	191
Acetone	1	0	0	100	0*	10	237
Carbon Disulfide	1	0	0	20	0*	10	194
t-Butyl Alcohol	1	0	0	100	0*	21	185
n-Hexane	1	0	0	20	0*	43	179
Di-isopropyl-ether	1	0	0	20	0*	47	159
1,1-Dichloroethene	1	0	0	20	0*	42	172
Methyl Acetate	1	0	0	20	0*	10	192
Methyl-t-butyl ether	1	0	0	20	0*	43	154
1,1-Dichloroethane	1	0	0	20	0*	48	160
trans-1,2-Dichloroethene	1	0	0	20	0*	37	171
Ethyl-t-butyl ether	1	0	0	20	0*	53	149
cis-1,2-Dichloroethene	1	0	0	20	0*	45	161
Bromochloromethane	1	0	0	20	0*	42	170
2,2-Dichloropropane	1	0	0	20	0*	33	173
Ethyl acetate	1	0	0	20	0*	38	156
1,4-Dioxane	1	0	0	1000	0*	18	186
1,1-Dichloropropene	1	0	0	20	0*	51	157
Chloroform	1	0	0	20	0*	47	157
Cyclohexane	1	0	0	20	0*	41	175
1,2-Dichloroethane	1	0	0	20	0*	43	154
2-Butanone	1	0	0	20	0*	20	188
1,1,1-Trichloroethane	1	0	0	20	0*	49	155
Carbon Tetrachloride	1	0	0	20	0*	47	159
Vinyl Acetate	1	0	0	20	0*	31	160
Bromodichloromethane	1	0	0	20	0*	48	152
Methylcyclohexane	1	0	0	20	0*	47	167
Dibromomethane	1	0	0	20	0*	47	153
1,2-Dichloropropane	1	0	0	20	0*	53	153
Trichloroethene	1	0	0	20	0*	45	165
Benzene	1	0	0	20	0*	41	163
tert-Amyl methyl ether	1	0	0	20	0*	51	146
Iso-propylacetate	1	0	0	20	0*	37	153
Methyl methacrylate	1	0	0	20	0*	40	160
Dibromochloromethane	1	0	0	20	0*	50	144
2-Chloroethylvinylether	1	0	0	20	0*	10	201
cis-1,3-Dichloropropene	1	0	0	20	0*	49	146
trans-1,3-Dichloropropene	1	0	0	20	0*	48	144
Ethyl methacrylate	1	0	0	20	0*	38	160
1,1,2-Trichloroethane	1	0	0	20	0*	52	146
1,2-Dibromoethane	1	0	0	20	0*	55	140
1,3-Dichloropropane	1	0	0	20	0*	54	142
4-Methyl-2-Pentanone	1	0	0	20	0*	41	158
2-Hexanone	1	0	0	20	0*	39	163
Tetrachloroethene	1	0	0	20	0*	48	156
Toluene	1	0	0	20	0*	49	153
1,1,1,2-Tetrachloroethane	1	0	0	20	0*	51	140
Chlorobenzene	1	0	0	20	0*	43	155

* - 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: MBS111395

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	0	0	20	0*	21	181
n-Amyl acetate	1	0	0	20	0*	20	182
Bromoform	1	0	0	20	0*	47	137
Ethylbenzene	1	0	0	20	0*	41	153
1,1,2,2-Tetrachloroethane	1	0	0	20	0*	36	152
Styrene	1	0	0	20	0*	34	170
m&p-Xylenes	1	1.5479	0	40	3.9*	16	184
o-Xylene	1	0	0	20	0*	31	166
trans-1,4-Dichloro-2-butene	1	0	0	20	0*	10	154
1,3-Dichlorobenzene	1	0	0	20	0*	46	147
1,4-Dichlorobenzene	1	0	0	20	0*	37	156
1,2-Dichlorobenzene	1	0	0	20	0*	42	150
Isopropylbenzene	1	0	0	20	0*	32	174
Cyclohexanone	1	0	0	100	0*	10	254
Camphene	1	0	0	20	0*	10	172
1,2,3-Trichloropropane	1	0	0	20	0*	20	164
2-Chlorotoluene	1	0	0	20	0*	43	153
p-Ethyltoluene	1	0	0	20	0*	36	164
4-Chlorotoluene	1	0	0	20	0*	34	160
n-Propylbenzene	1	0	0	20	0*	36	170
Bromobenzene	1	0	0	20	0*	44	142
1,3,5-Trimethylbenzene	1	0	0	20	0*	37	165
Butyl methacrylate	1	0	0	20	0*	30	169
t-Butylbenzene	1	0	0	20	0*	48	152
1,2,4-Trimethylbenzene	1	0	0	20	0*	38	162
sec-Butylbenzene	1	0	0	20	0*	42	164
4-Isopropyltoluene	1	0	0	20	0*	40	162
n-Butylbenzene	1	0	0	20	0*	30	176
p-Diethylbenzene	1	0	0	20	0*	23	179
1,2,4,5-Tetramethylbenzene	1	0	0	20	0*	18	177
1,2-Dibromo-3-Chloropropane	1	0	0	20	0*	32	154
Camphor	1	0	0	200	0*	10	202
Hexachlorobutadiene	1	0	0	20	0*	23	181
1,2,4-Trichlorobenzene	1	0	0	20	0*	28	169
1,2,3-Trichlorobenzene	1	0	0	20	0*	30	172
Naphthalene	1	0	0	20	0*	13	191

* - 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: MBS111395

	Data File	Sample ID:	Analysis Date
Spike or Dup:	1M177271.D	AD39618-006(50X)(T:MSD)	8/10/2023 4:50:00 PM
Duplicate(If applicable):	1M177270.D	AD39618-006(50X)(T:MS)	8/10/2023 4:28:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	0	0	NA	78
Dichlorodifluoromethane	1	0	0	NA	62
Chloromethane	1	0	0	NA	67
Bromomethane	1	0	0	NA	65
Vinyl Chloride	1	0	0	NA	55
Chloroethane	1	0	0	NA	59
Trichlorofluoromethane	1	0	0	NA	56
Ethyl ether	1	0	0	NA	55
Furan	1	0	0	NA	55
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	NA	58
Methylene Chloride	1	0	0	NA	36
Acrolein	1	0	0	NA	66
Acrylonitrile	1	0	0	NA	59
Iodomethane	1	0	0	NA	66
Acetone	1	0	0	NA	85
Carbon Disulfide	1	0	0	NA	61
t-Butyl Alcohol	1	0	0	NA	78
n-Hexane	1	0	0	NA	56
Di-isopropyl-ether	1	0	0	NA	54
1,1-Dichloroethene	1	0	0	NA	56
Methyl Acetate	1	0	0	NA	71
Methyl-t-butyl ether	1	0	0	NA	53
1,1-Dichloroethane	1	0	0	NA	54
trans-1,2-Dichloroethene	1	0	0	NA	54
Ethyl-t-butyl ether	1	0	0	NA	53
cis-1,2-Dichloroethene	1	0	0	NA	53
Bromochloromethane	1	0	0	NA	54
2,2-Dichloropropane	1	0	0	NA	55
Ethyl acetate	1	0	0	NA	56
1,4-Dioxane	1	0	0	NA	95
1,1-Dichloropropene	1	0	0	NA	54
Chloroform	1	0	0	NA	53
Cyclohexane	1	0	0	NA	55
1,2-Dichloroethane	1	0	0	NA	52
2-Butanone	1	0	0	NA	58
1,1,1-Trichloroethane	1	0	0	NA	54
Carbon Tetrachloride	1	0	0	NA	54
Vinyl Acetate	1	0	0	NA	55
Bromodichloromethane	1	0	0	NA	53
Methylcyclohexane	1	0	0	NA	55
Dibromomethane	1	0	0	NA	53
1,2-Dichloropropane	1	0	0	NA	53
Trichloroethene	1	0	0	NA	54
Benzene	1	0	0	NA	52
tert-Amyl methyl ether	1	0	0	NA	52
Iso-propylacetate	1	0	0	NA	54
Methyl methacrylate	1	0	0	NA	55
Dibromochloromethane	1	0	0	NA	52
2-Chloroethylvinylether	1	0	0	NA	224
cis-1,3-Dichloropropene	1	0	0	NA	53
trans-1,3-Dichloropropene	1	0	0	NA	53
Ethyl methacrylate	1	0	0	NA	55
1,1,2-Trichloroethane	1	0	0	NA	52
1,2-Dibromoethane	1	0	0	NA	52
1,3-Dichloropropane	1	0	0	NA	53
4-Methyl-2-Pentanone	1	0	0	NA	69
2-Hexanone	1	0	0	NA	54
Tetrachloroethene	1	0	0	NA	53
Toluene	1	0	0	NA	53
1,1,1,2-Tetrachloroethane	1	0	0	NA	53
Chlorobenzene	1	0	0	NA	53

* - 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: MBS111395

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	0	0	NA	72
n-Amyl acetate	1	0	0	NA	72
Bromoform	**1**	**0**	**0**	**NA**	**54**
Ethylbenzene	**1**	**0**	**0**	**NA**	**57**
1,1,2,2-Tetrachloroethane	**1**	**0**	**0**	**NA**	**58**
Styrene	**1**	**0**	**0**	**NA**	**56**
m&p-Xylenes	**1**	**1.5479**	**1.6259**	**4.9**	**107**
o-Xylene	**1**	**0**	**0**	**NA**	**55**
trans-1,4-Dichloro-2-butene	1	0	0	NA	71
1,3-Dichlorobenzene	**1**	**0**	**0**	**NA**	**53**
1,4-Dichlorobenzene	**1**	**0**	**0**	**NA**	**68**
1,2-Dichlorobenzene	**1**	**0**	**0**	**NA**	**53**
Isopropylbenzene	**1**	**0**	**0**	**NA**	**53**
Cyclohexanone	1	0	0	NA	77
Camphene	1	0	0	NA	68
1,2,3-Trichloropropane	1	0	0	NA	54
2-Chlorotoluene	1	0	0	NA	55
p-Ethyltoluene	1	0	0	NA	56
4-Chlorotoluene	1	0	0	NA	55
n-Propylbenzene	1	0	0	NA	51
Bromobenzene	1	0	0	NA	72
1,3,5-Trimethylbenzene	1	0	0	NA	56
Butyl methacrylate	1	0	0	NA	83
t-Butylbenzene	1	0	0	NA	70
1,2,4-Trimethylbenzene	1	0	0	NA	72
sec-Butylbenzene	1	0	0	NA	54
4-Isopropyltoluene	1	0	0	NA	69
n-Butylbenzene	1	0	0	NA	55
p-Diethylbenzene	1	0	0	NA	70
1,2,4,5-Tetramethylbenzene	1	0	0	NA	51
1,2-Dibromo-3-Chloropropane	**1**	**0**	**0**	**NA**	**56**
Camphor	1	0	0	NA	127
Hexachlorobutadiene	1	0	0	NA	69
1,2,4-Trichlorobenzene	**1**	**0**	**0**	**NA**	**87**
1,2,3-Trichlorobenzene	**1**	**0**	**0**	**NA**	**81**
Naphthalene	1	0	0	NA	80

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

Bold and underline - Indicates the compounds reported on form1

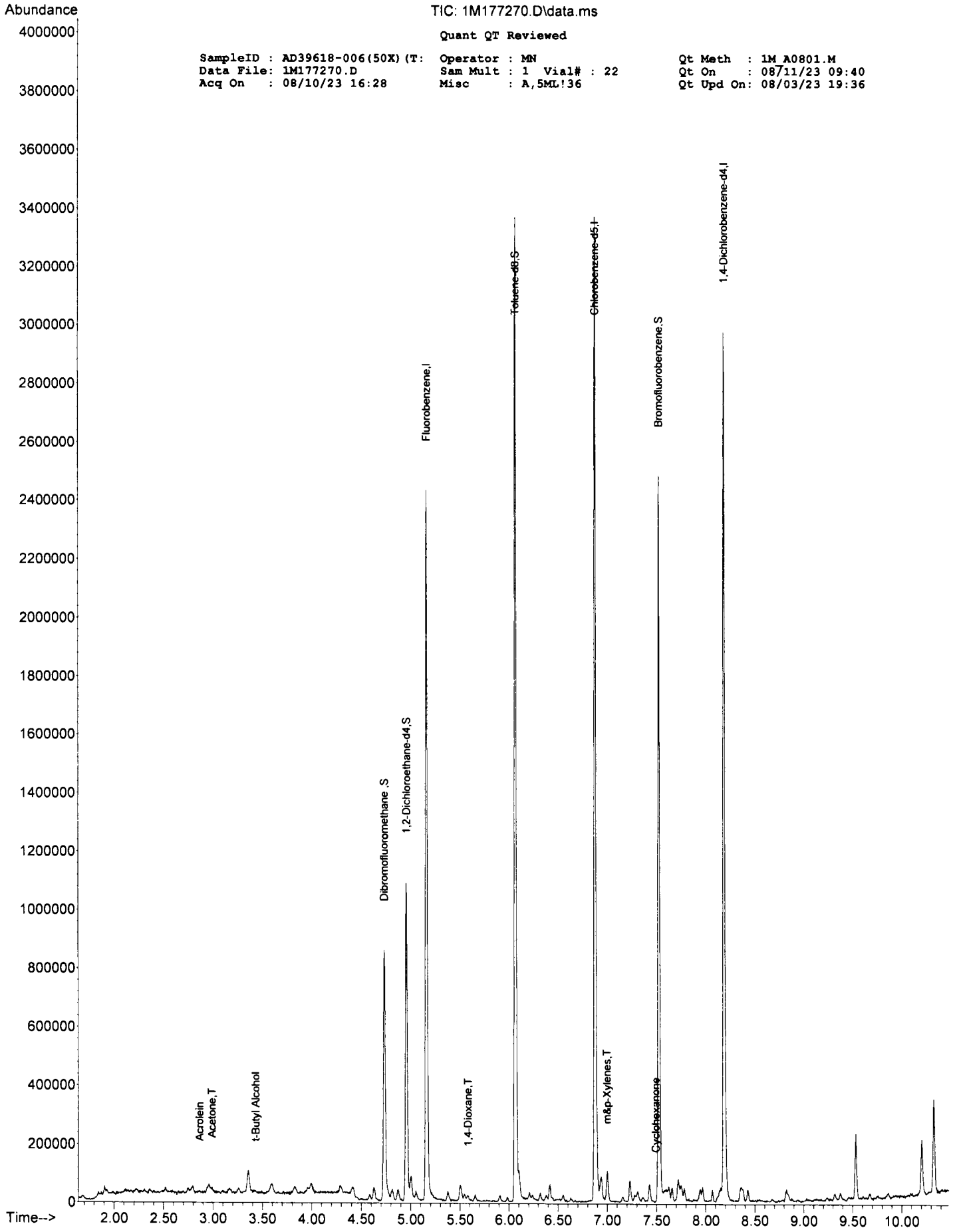
Quantitation Report (QT Reviewed)

SampleID : AD39618-006(50X)(T: Operator : MN Qt Meth : 1M_A0801.M
Data File: 1M177270.D Sam Mult : 1 Vial# : 22 Qt On : 08/11/23 09:40
Acq On : 08/10/23 16:28 Misc : A,5ML!36 Qt Upd On: 08/03/23 19:36

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1267562	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.878	117	1079505	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	460421	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.733	111	354411	29.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.30%			
39) 1,2-Dichloroethane-d4	4.958	67	232660	29.54	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.47%			
66) Toluene-d8	6.068	98	1330949	28.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.30%			
76) Bromofluorobenzene	7.528	174	367229	30.96	ug/l	0.00
Spiked Amount 30.000			Recovery = 103.20%			
Target Compounds						Qvalue
16) Acrolein	2.865	56	3641	1.5202	ug/l	69
19) Acetone	2.991	43	20668m	3.6744	ug/l	
21) t-Butyl Alcohol	3.431	59	4750m	2.6347	ug/l	
34) 1,4-Dioxane	5.582	88	1948	13.9864	ug/l	68
78) m&p-Xylenes	7.000	106	16167	1.6259	ug/l	95
85) Cyclohexanone	7.492	55	584m	0.8310	ug/l	

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : AD39618-006(50X)(T:
Data File: 1M177270.D
Acq On : 08/10/23 16:28
Operator : MN
Sam Mult : 1 Vial# : 22
Misc : A,5ML!36
Qt Meth : 1M_A0801.M
Qt On : 08/11/23 09:40
Qt Upd On: 08/03/23 19:36
Acrolein
Acetone,T
t-Butyl Alcohol
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
1,4-Dioxane,T
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Cyclohexanone
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

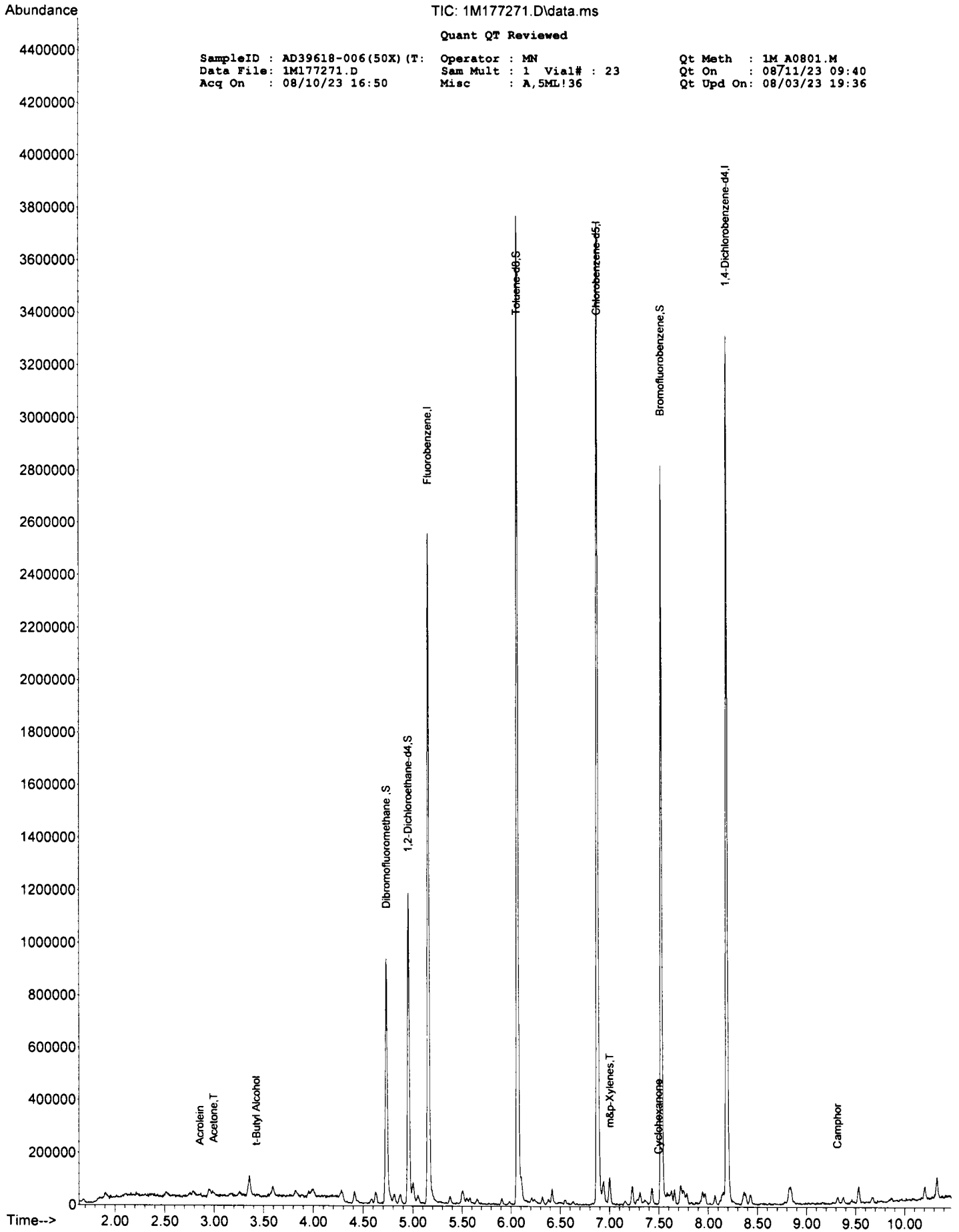
Quantitation Report (QT Reviewed)

SampleID : AD39618-006(50X)(T: Operator : MN Qt Meth : 1M_A0801.M
Data File: 1M177271.D Sam Mult : 1 Vial# : 23 Qt On : 08/11/23 09:40
Acq On : 08/10/23 16:50 Misc : A,5ML!36 Qt Upd On: 08/03/23 19:36

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-10-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1337544	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.881	117	1207378	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	514668	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.737	111	379141	29.89	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.63%			
39) 1,2-Dichloroethane-d4	4.955	67	256232	30.83	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.77%			
66) Toluene-d8	6.068	98	1490633	28.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.43%			
76) Bromofluorobenzene	7.527	174	407222	30.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.40%			
Target Compounds						Qvalue
16) Acrolein	2.856	56	4661	1.8443	ug/l	93
19) Acetone	2.994	43	19196m	3.2341	ug/l	
21) t-Butyl Alcohol	3.428	59	2611m	1.3725	ug/l	
78) m&p-Xylenes	7.003	106	17205	1.5479	ug/l	98
85) Cyclohexanone	7.495	55	756m	0.9624	ug/l	
103) Camphor	9.315	95	2955	2.2859	ug/l	91

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


Abundance
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Quant QT Reviewed
SampleID : AD39618-006(50X)(T:
Data File: 1M177271.D
Acq On : 08/10/23 16:50
Operator : MN
Sam Mult : 1 Vial# : 23
Misc : A,5ML!36
Qt Meth : 1M_A0801.M
Qt On : 08/11/23 09:40
Qt Upd On: 08/03/23 19:36
4400000
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4000000
3800000
3600000
3400000
3200000
3000000
2800000
2600000
2400000
2200000
2000000
1800000
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
Time-->
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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
10.00
Acrolein
Acetone,T
t-Butyl Alcohol
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
Cyclohexanone
1,4-Dichlorobenzene-d4,I
Camphor

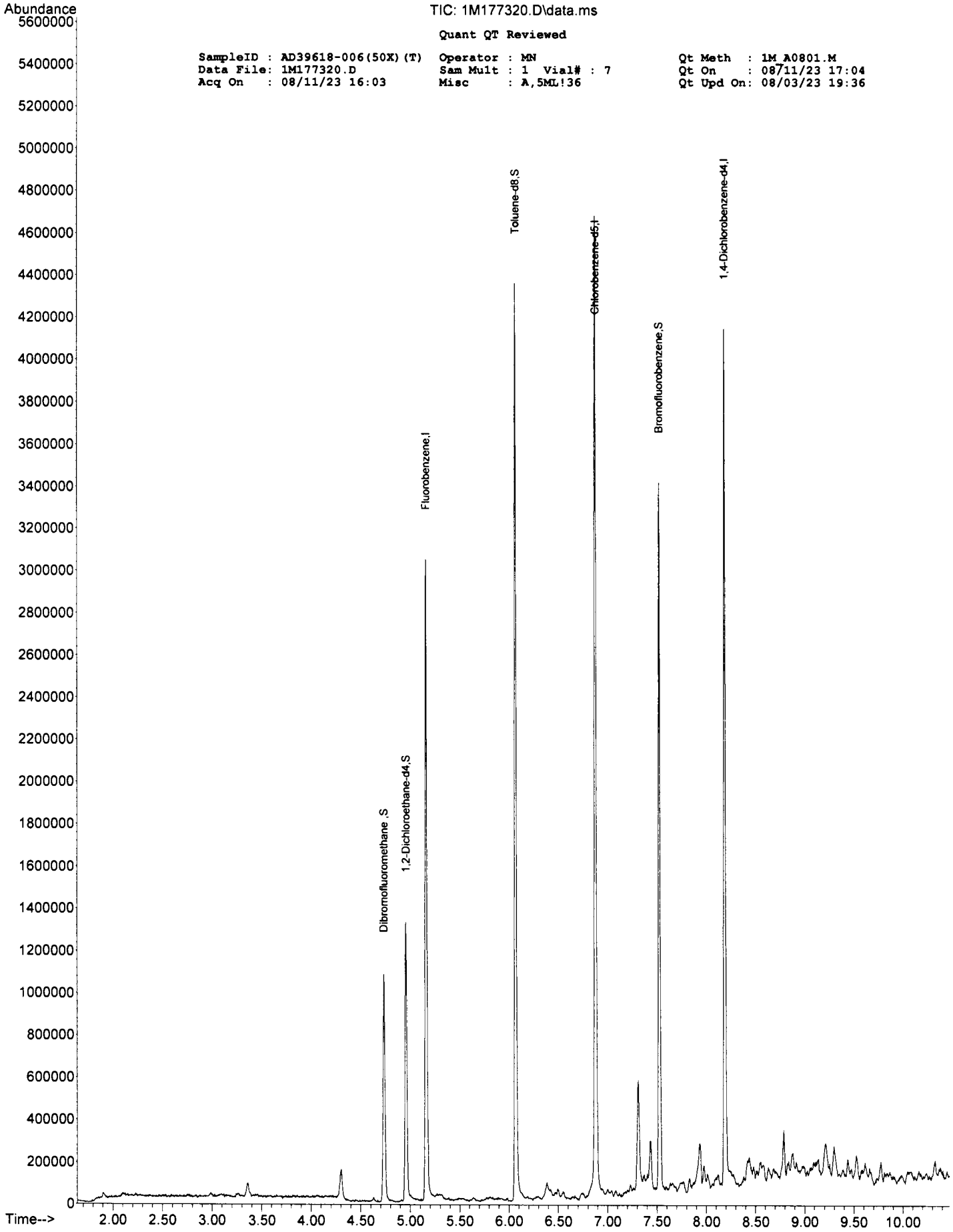
Quantitation Report (QT Reviewed)

SampleID : AD39618-006(50X)(T) Operator : MN Qt Meth : 1M_A0801.M
Data File: 1M177320.D Sam Mult : 1 Vial# : 7 Qt On : 08/11/23 17:04
Acq On : 08/11/23 16:03 Misc : A,5ML!36 Qt Upd On: 08/03/23 19:36

Data Path : G:\GcMsData\2023\GCMS_1\Data\08-11-23\
Qt Path : G:\GcMsData\2023\GCMS_1\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.161	96	1629124	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.881	117	1472824	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.190	152	660421	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.734	111	442078	28.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.40%			
39) 1,2-Dichloroethane-d4	4.959	67	292368	28.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.27%			
66) Toluene-d8	6.068	98	1750597	27.27	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.90%			
76) Bromofluorobenzene	7.528	174	516531	30.36	ug/l	0.00
Spiked Amount 30.000			Recovery = 101.20%			
Target Compounds						Qvalue

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


Abundance
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Quant QT Reviewed
SampleID : AD39618-006(50X)(T)
Data File: 1M177320.D
Acq On : 08/11/23 16:03
Operator : MN
Sam Mult : 1 Vial# : 7
Misc : A,5ML!36
Qt Meth : 1M_A0801.M
Qt On : 08/11/23 17:04
Qt Upd On: 08/03/23 19:36
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

GC/MS Volatile Data
Logbook Data

RUN LOG

1-1-1M176854

Instrument: GCMS_1 Year: 2023
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M176854.	BFB TUNE		V-399841,V399842,V-399828	WP 08/11/23						08/01 19:58
1M176855.	CAL @ 0.5 PPB		B-35287	WP 08/11/23		Aqueous	1	1	624\8260	08/01 20:19
1M176856.	CAL @ 1 PPB		B-35287	WP 08/11/23		Aqueous	1	1	624\8260	08/01 20:41
1M176857.	CAL @5 PPB		B-35287	WP 08/11/23		Aqueous	1	1	624\8260	08/01 21:02
1M176858.	CAL @ 10 PPB		B-35287	WP 08/11/23		Aqueous	1	1	624\8260	08/01 21:23
1M176859.	CAL @ 20 PPB		B-35287	WP 08/11/23		Aqueous	1	1	624\8260	08/01 21:45
1M176860.	CAL @ 50 PPB		B-35287	WP 08/11/23		Aqueous	1	1	624\8260	08/01 22:06
1M176861.	CAL @ 100 PPB		B-35287	WP 08/11/23		Aqueous	1	1	624\8260	08/01 22:28
1M176862.	CAL @ 250PPB		B-35287	WP 08/11/23		Aqueous	1	1	624\8260	08/01 22:49
1M176863.	CAL @ 500 PPB		B-35287	WP 08/11/23		Aqueous	1	1	624\8260	08/01 23:11
1M176865.	BLK	Bnf				Aqueous	1	1	624\8260	08/01 23:53
1M176868.	STD	Bnf				Aqueous	1	1	624\8260	08/02 00:57
1M176869.	ICV	IvoBnf	V-401144	WP 08/11/23		Aqueous	1	1	624\8260	08/02 01:18

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or enddo
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I18 I28	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmd csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

RUN LOG

1-1-2M188184

Instrument: GCMS_2 Year: 2023
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M188184.	BFB TUNE		V-399841,V-399842,V-401045	WP 08/07/23						08/07 15:57
2M188186.	CAL @ 0.5 PPB		B-35288	WP 08/07/23		Aqueous	1	1	624\8260	08/07 16:32
2M188187.	CAL @ 1 PPB		B-35288	WP 08/07/23,WP 08/21/23		Aqueous	1	1	624\8260	08/07 16:53
2M188188.	CAL @ 5 PPB		B-35288	WP 08/21/23		Aqueous	1	1	624\8260	08/07 17:13
2M188189.	CAL @ 10 PPB		B-35288	WP 08/07/23		Aqueous	1	1	624\8260	08/07 17:33
2M188190.	CAL @ 20 PPB		B-35288	WP 08/07/23		Aqueous	1	1	624\8260	08/07 17:53
2M188192.	CAL @ 50 PPB		B-35288	WP 08/07/23		Aqueous	1	1	624\8260	08/07 18:33
2M188194.	CAL @ 100 PPB		B-35288	WP 08/07/23		Aqueous	1	1	624\8260	08/07 19:14
2M188196.	CAL @ 250 PPB		B-35288	WP 08/07/23		Aqueous	1	1	624\8260	08/07 19:54
2M188199.	CAL @ 500 PPB		B-35288	WP 08/07/23		Aqueous	1	1	624\8260	08/07 20:54
2M188204.	STD	S6S8Bnf				Aqueous	1	1	624\8260	08/07 22:35
2M188206.	ICV	IvoBnf	V-401157	WP 08/08/23		Aqueous	1	1	624\8260	08/07 23:05

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Cm	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

RUN LOG

1-1-2M188306

Instrument: GCMS_2 Year: 2023
Analyst: MN

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M188306.	BFB TUNE		V-397862,V-389443,V-398126,V-401330	sg 08/10/23						08/09 15:23
2M188308.	CAL @ 20 PPB		ok	sg 08/10/23		Aqueous	1	1	624\8260	08/09 15:58
2M188310.	STD					Aqueous	1	1	624\8260	08/09 16:38
2M188311.	BLK					Aqueous	1	1	624\8260	08/09 16:59
2M188312.	DI					Aqueous	1	1	624\8260	08/09 17:19
2M188313.	DAILY BLANK					Methano	1	1	8260D	08/09 17:39
2M188314.	DAILY BLANK		OK	sg 08/10/23		Aqueous	1	1	624\8260	08/09 17:59
2M188315.	AD39676-002		OK	sg 08/10/23	VO10-8260	Aqueous	1	1	8260D	08/09 18:19
2M188316.	AD39676-003		OK	sg 08/10/23	VO10-8260	Aqueous	1	1	8260D	08/09 18:39
2M188317.	AD39673-003		OK	sg 08/10/23	VOBTEX-826	Aqueous	1	1	8260D	08/09 19:00
2M188318.	MBS111390		OK MBS111390	sg 08/10/23		Aqueous	1	1	624\8260	08/09 19:19
2M188319.	STD					Aqueous	1	1	624\8260	08/09 19:39
2M188320.	AD39605-007(50X)(		Qc MBS111390	sg 08/10/23	VOTCLP-826	Aqueous	1	50	624\8260	08/09 19:59
2M188321.	AD39659-010		OK	sg 08/10/23	VO-8260	Aqueous	1	1	8260D	08/09 20:20
2M188322.	AD39659-012		OK	sg 08/10/23	VO-8260	Aqueous	1	1	8260D	08/09 20:40
2M188323.	AD39659-009(5X)		OK	sg 08/10/23	VO-8260	Aqueous	1	5	8260D	08/09 21:00
2M188324.	AD39659-011(5X)		OK	sg 08/10/23	VO-8260	Aqueous	1	5	8260D	08/09 21:21
2M188325.	AD39605-007(50X)(		OK MBS111390	sg 08/10/23	VOTCLP-826	Aqueous	1	50	624\8260	08/09 21:41
2M188326.	AD39605-007(50X)(		OK MBS111390	sg 08/10/23	VOTCLP-826	Aqueous	1	50	624\8260	08/09 22:01
2M188327.	AD39670-002		OK	sg 08/10/23	VO15-8260	Aqueous	1	1	8260D	08/09 22:21
2M188328.	AD39670-004		OK	sg 08/10/23	VO15-8260	Aqueous	1	1	8260D	08/09 22:41
2M188329.	AD39670-005		OK	sg 08/10/23	VO15-8260	Aqueous	1	1	8260D	08/09 23:01
2M188330.	AD39670-001(10X)		OK	sg 08/10/23	VO15-8260	Aqueous	1	10	8260D	08/09 23:22
2M188331.	AD39670-003(10X)	Ocf	RR-20X	sg 08/10/23	VO15-8260	Aqueous	1	10	8260D	08/09 23:43
2M188332.	AD39670-006(100X)		OK	sg 08/10/23	VO15-8260	Aqueous	1	100	8260D	08/10 00:03
2M188333.	AD39640-003(10X)		RR-1X	sg 08/10/23	VO15-8260	Aqueous	1	10	8260D	08/10 00:24
2M188334.	AD39640-002(10X)		RR-1X	sg 08/10/23	VO15-8260	Aqueous	1	10	8260D	08/10 00:44
2M188335.	AD39640-001(10X)		RR-1X	sg 08/10/23	VO15-8260	Aqueous	1	10	8260D	08/10 01:05
2M188336.	STD					Aqueous	1	1	624\8260	08/10 01:25
2M188337.	39509-002(50X)		RR-1X	sg 08/10/23		Aqueous	1	50	624\8260	08/10 01:45
2M188338.	39509-004(50X)		RR-1X	sg 08/10/23		Aqueous	1	50	624\8260	08/10 02:05
2M188339.	39509-005(50X)		RR-1X	sg 08/10/23		Aqueous	1	50	624\8260	08/10 02:25
2M188340.	39509-006(50X)		RR-1X	sg 08/10/23		Aqueous	1	50	624\8260	08/10 02:45
2M188341.	39509-007(50X)		RR-1X	sg 08/10/23		Aqueous	1	50	624\8260	08/10 03:05
2M188342.	39509-008(50X)	Ti6Ti8	RR-1X	sg 08/10/23		Aqueous	1	50	624\8260	08/10 03:25

Anc	Area Not Checked	En	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for anh
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samp	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

RUN LOG

1-1-1M177249

Instrument: GCMS_1 Year: 2023
Analyst: MN

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M177249.	BFB TUNE		V-397862,V-389443,V-398126,V-401351	sg 08/10/23						08/10 09:00
1M177251.	CAL @ 20 PPB		OK	SG 08/10/23		Aqueous	1	1	624\8260	08/10 09:37
1M177253.	BLK					Aqueous	1	1	624\8260	08/10 10:19
1M177254.	BLK-HCL					Aqueous	1	1	624\8260	08/10 10:41
1M177255.	DAILY BLANK		OK,V-15140	SG 08/10/23		Methano	1	1	8260D	08/10 11:02
1M177256.	DAILY BLANK		OK	SG 08/10/23		Aqueous	1	1	624\8260	08/10 11:24
1M177257.	AD39610-004		OK	SG 08/10/23	VO15-8260	Aqueous	1	1	8260D	08/10 11:46
1M177258.	AD39670-003(20X)	Ocf	RR-50X	MN 08/10/23	VO15-8260	Aqueous	1	20	8260D	08/10 12:08
1M177259.	MBS111394		MBS111394			Aqueous	1	1	624\8260	08/10 12:30
1M177260.	39701-001(50X)		RR-1X	SG 08/10/23		Aqueous	1	50	624\8260	08/10 12:51
1M177261.	AD39640-002		OK	MN 08/10/23	VO15-8260	Aqueous	1	1	8260D	08/10 13:13
1M177262.	AD39640-003		OK	MN 08/10/23	VO15-8260	Aqueous	1	1	8260D	08/10 13:34
1M177263.	AD39640-001		OK	MN 08/10/23	VO15-8260	Aqueous	1	1	8260D	08/10 13:56
1M177264.	MBS111395		OK MBS111395	MN 08/10/23		Aqueous	1	1	624\8260	08/10 14:16
1M177265.	39618-006(50X)(T)	S8S6Ao	possible misspurged	WP 08/11/23		Aqueous	1	50	624\8260	08/10 14:39
1M177266.	AD39670-003(50X)		OK	MN 08/10/23	VO15-8260	Aqueous	1	50	8260D	08/10 15:01
1M177267.	BLK					Aqueous	1	1	624\8260	08/10 15:22
1M177268.	AD39665-002(20X)		OK	WP 08/11/23	VOBTEXM62	Aqueous	1	20	624	08/10 15:45
1M177269.	AD39665-005		OK	WP 08/11/23	VOBTEXM62	Aqueous	1	1	624	08/10 16:07
1M177270.	AD39618-006(50X)(M16M18		OK MBS111395	WP 08/11/23	VOTCLP-826	Aqueous	1	50	624\8260	08/10 16:28
1M177271.	AD39618-006(50X)(M16M18		OK MBS111395	WP 08/11/23	VOTCLP-826	Aqueous	1	50	624\8260	08/10 16:50
1M177272.	AD39652-009		OK	WP 08/11/23	VO-8260	Aqueous	1	1	8260D	08/10 17:12
1M177273.	AD39652-011		OK	WP 08/11/23	VO-8260	Aqueous	1	1	8260D	08/10 17:33
1M177274.	AD39676-001		OK	WP 08/11/23	VO10-8260	Aqueous	1	1	8260D	08/10 17:55
1M177275.	AD39509-002				ERROR	Aqueous	1	1	624	08/10 18:16
1M177276.	AD39509-004				ERROR	Aqueous	1	1	624	08/10 18:38
1M177277.	AD39509-005				ERROR	Aqueous	1	1	624	08/10 18:59
1M177278.	AD39509-006				ERROR	Aqueous	1	1	624	08/10 19:21
1M177279.	AD39509-007				ERROR	Aqueous	1	1	624	08/10 19:42
1M177280.	AD39509-008				ERROR	Aqueous	1	1	624	08/10 20:04
1M177281.	AD39701-001		OK	WP 08/11/23	VO-624.1	Aqueous	1	1	624	08/10 20:26
1M177282.	39681-001(800UL)		RR-800uL	WP 08/11/23		Methano	1	1	8260D	08/10 20:47
1M177283.	STD	Ti8				Methano	1	1	8260D	08/10 21:08
1M177284.	39647-004(MX)	Ti8				Methano	1	1	8260D	08/10 21:30
1M177285.	39647-004(MXD)	Ti8				Methano	1	1	8260D	08/10 21:51
1M177286.	39692-001(50X)	Ti6Ti8	RR-1X	WP 08/11/23		Aqueous	1	50	624\8260	08/10 22:13
1M177287.	STD 1	Ti6Ti8				Aqueous	1	1	624\8260	08/10 22:34
1M177288.	39718-003	Ti8	RR-400uL	WP 08/11/23		Methano	1	0.020	8260D	08/10 22:56
1M177289.	39718-006	Ti8	RR-5G	WP 08/11/23		Methano	1	0.020	6260D	08/10 23:17
1M177290.	39721-002	Ti8	RR-5G	WP 08/11/23		Methano	1	2.014	8260D	08/10 23:39
1M177291.	BLK	Ti6Ti8				Aqueous	1	1	624\8260	08/11 00:01
1M177292.	BLK	Ti6Ti8				Aqueous	1	1	624\8260	08/11 00:22
1M177293.	BLK	Ti6Ti8				Aqueous	1	1	624\8260	08/11 00:44
1M177294.	BLK	Ti6Ti8				Aqueous	1	1	624\8260	08/11 01:05
1M177295.	BLK	Ti6Ti8				Aqueous	1	1	624\8260	08/11 01:27

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Eto	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eob
B8m	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hh	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C8f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Diff
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmd csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endrin Cal missing for sample (8000 series)	Iw	Initial cal warning Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

RUN LOG

1-1-1M177296

Instrument: GCMS_1 Year: 2023
Analyst: MN

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
1M177296.	BFB TUNE		V-399841,V-399842,V-401,V-399841,V-399842,V-401045,V-401531	WP 08/11/23						08/11 07:32
1M177298.	CAL @ 20 PPB		OK	WP 08/11/23		Aqueous	1	1	624\8260	08/11 08:08
1M177299.	20 PPB					Aqueous	1	1	624\8260	08/11 08:30
1M177300.	HCL					Aqueous	1	1	624\8260	08/11 08:51
1M177301.	HCL					Aqueous	1	1	624\8260	08/11 09:13
1M177302.	DAILY BLANK		OK	WP 08/11/23		Methano	1	1	8280D	08/11 09:34
1M177303.	DAILY BLANK		OK	WP 08/11/23		Aqueous	1	1	624\8260	08/11 09:56
1M177304.	AD39697-001		OK	WP 08/11/23	VO15-8260	Aqueous	1	1	8260D	08/11 10:17
1M177305.	AD39697-003		OK	WP 08/11/23	VO15-8260	Aqueous	1	1	8260D	08/11 10:39
1M177306.	AD39697-005		OK	WP 08/11/23	VO15-8260	Aqueous	1	1	8260D	08/11 11:00
1M177307.	MBS111397		OK MBS111397	WP 08/11/23		Aqueous	1	1	624\8260	08/11 11:22
1M177308.	AD39605-005(50X)(		QC ONLY	WP 08/11/23	VOTCLP-826	Aqueous	1	50	624\8260	08/11 11:43
1M177309.	AD39697-007		OK	WP 08/11/23	VO15-8260	Aqueous	1	1	8260D	08/11 12:05
1M177310.	AD39697-011		OK	WP 08/11/23	VO15-8260	Aqueous	1	1	8260D	08/11 12:26
1M177311.	AD39697-012		OK	WP 08/11/23	VO15-8260	Aqueous	1	1	8260D	08/11 12:48
1M177312.	AD39692-001		OK	WP 08/11/23	VO15-8260	Aqueous	1	1	8260D	08/11 13:09
1M177313.	AD39697-009		OK	WP 08/11/23	VO15-8260	Aqueous	1	1	8260D	08/11 13:31
1M177314.	AD39626-001		QC ONLY	WP 08/11/23	VO15-8260	Methano	1	1	8260D	08/11 13:53
1M177315.	AD39626-002(MS:A		OK	WP 08/11/23	VO15-8260	Methano	1	1	8280D	08/11 14:14
1M177316.	AD39626-003(MSD:		OK	WP 08/11/23	VO15-8260	Methano	1	1	8260D	08/11 14:36
1M177317.	MBS111398		OK MBS111398	WP 08/11/23		Methano	1	1	8260D	08/11 14:58
1M177318.	AD39605-005(50X)(		OK MBS111397	WP 08/11/23	VOTCLP-826	Aqueous	1	50	624\8260	08/11 15:19
1M177319.	AD39605-005(50X)(		OK MBS111397	WP 08/11/23	VOTCLP-826	Aqueous	1	50	624\8260	08/11 15:41
1M177320.	AD39618-006(50X)(		QC ONLY MBS111395	WP 08/11/23	VOTCLP-826	Aqueous	1	50	624\8260	08/11 16:03
1M177321.	AD39637-002(50X)(		OK	WP 08/11/23	VOTCLP-826	Aqueous	1	50	8260D	08/11 16:25
1M177322.	AD39648-003(50X)(		OK	WP 08/11/23	VOTCLP-826	Aqueous	1	50	8260D	08/11 16:47
1M177323.	EF-1-V-400767(081		OK	WP 08/11/23		Aqueous	1	81023	8260D	08/11 17:09
1M177324.	AD39666-002(50X)(		OK	WP 08/11/23	VOTCLP-826	Aqueous	1	50	8260D	08/11 17:30
1M177325.	AD39648-006(50X)(		OK	WP 08/11/23	VOTCLP-826	Aqueous	1	50	8260D	08/11 17:52
1M177326.	AD39680-001(50X)(		OK	WP 08/11/23	VOTCLP-826	Aqueous	1	50	624\8260	08/11 18:14
1M177327.	AD39681-001(50X)(		OK	WP 08/11/23	VOTCLP-826	Aqueous	1	50	8260D	08/11 18:36
1M177328.	AD39690-002(50X)(		OK	WP 08/11/23	VOTCLP-826	Aqueous	1	50	8260D	08/11 18:58
1M177329.	AD39660-002(50X)(		OK	WP 08/11/23	VOTCLP-826	Aqueous	1	50	8260D	08/11 19:20
1M177330.	39681-001	Ti8				Methano	1	2.016	8260D	08/11 19:42
1M177331.	BLK	Ti6Ti8				Aqueous	1	1	624\8260	08/11 20:03
1M177332.	BLK	Ti6Ti8Ao				Aqueous	1	1	624\8260	08/11 20:19
1M177334.	BLK	ToS6S8Ti6Ti8Ao				Aqueous	1	1	624\8260	08/11 20:50
1M177335.	20 PPB	Ti6Ti8				Aqueous	1	1	624\8260	08/11 21:06

Anc	Area Not Checked	En	Extraction Performed Past Hold	Cn	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Etn	Tcln/Solvent Extraction Date Missing/Not check'd	Cm	C30/C20 failed for enh
B8m	Blank 8000 series missing	Ets	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Hn	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Rn	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rtn	Can't Calculate Ddft
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt.csv for init calibration chek rfs	S6	600 series surrogate out
Cme	Endinn Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-394829

Prepared By: Previlon, Wilner
Description: 20ppm Freon VOA Working Std
Prep Date: 4/25/2023
Expiration Date: 10/25/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 05/08/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14606	Methanol	900 ul	neat neat	neat
14828	Chlorodifluoromethane	100 ul	200 ppm	200 ppm

Veritech Lot Number: V-397969

Prepared By: Revolus, Jean
Description: Voa Extra Add Mix
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 2000-20000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
13192	n-Amyl acetate	20 mg	NEAT	2000 ppm
13194	n-Butyl acrylate	20 mg	Neat	2000 ppm
13195	Methyl methacrylate	20 mg	Neat	2000 ppm
15378	Isoprpyl acetane	20 mg	NEAT	2000 ppm
14553	Ethyl methacrylate	20 mg	NEAT	2000 ppm
15375	Camphene	20 mg	NEAT	2000 ppm
15374	d-Camphor	200 mg	NEAT	20000 ppm
14550	Butyl methacrylate	20 mg	NEAT	2000 ppm
14549	Ethyl acetate	20 mg	NEAT	2000 ppm
15140	Methanol	10 ml	Neat neat	

Veritech Lot Number: V-397972

Prepared By: Revolus, Jean
Description: Voa Extra Add Mix(2nd Source)
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 2000-20000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
15378	Isoprpyl acetane	20 mg	NEAT	2000 ppm
13192	n-Amyl acetate	20 mg	NEAT	2000 ppm
13194	n-Butyl acrylate	20 mg	Neat	2000 ppm
13195	Methyl methacrylate	20 mg	Neat	2000 ppm
14553	Ethyl methacrylate	20 mg	NEAT	2000 ppm
15375	Camphene	20 mg	NEAT	2000 ppm
15374	d-Camphor	200 mg	NEAT	20000 ppm
15140	Methanol		Neat neat	
14550	Butyl methacrylate	20 mg	NEAT	2000 ppm
14549	Ethyl acetate	20 mg	NEAT	2000 ppm

Veritech Lot Number: V-397973

Prepared By: Revolus, Jean
Description: VOA ADD MIX
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 5000/25000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
15373	p-Diethylbenzene	50 mg	NEAT	5000 ppm
14548	p-Ethyltoluene	50 mg	NEAT	5000 ppm
15377	Cyclohexanone	250 mg	NEAT	25000 ppm
15140	Methanol		Neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-397974

Prepared By: Revolus, Jean
Description: VOA ADD MIX(2nd source)
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 5000/25000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
15373	p-Diethylbenzene	50 mg	NEAT	5000 ppm
15377	Cyclohexanone	250 mg	NEAT	25000 ppm
14548	p-Ethyltoluene	50 mg	NEAT	5000 ppm
15140	Methanol		Neat neat	

Veritech Lot Number: V-397975

Prepared By: Revolus, Jean
Description: Ethyl ether/Furan Mix
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
15140	Methanol	10 ml	Neat neat	
11587	Furan	50 mg	NEAT neat	5000 ppm
13987	Ethyl Ether	50 mg	NEAT	5000 ppm

Veritech Lot Number: V-397976

Prepared By: Revolus, Jean
Description: Ethyl ether/Furan Mix(2nd Source)
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
11587	Furan	50 mg	NEAT neat	5000 ppm
15140	Methanol	10 ml	Neat neat	
13987	Ethyl Ether	50 mg	NEAT	5000 ppm

Veritech Lot Number: V-398126

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 6/22/2023
Expiration Date: 9/21/2023
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 06/27/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14606	Methanol	610 ul	neat neat	neat neat
14586	502.2 CALIBRATION MIX # 1(2ndLot)	50 ul	2000 ppm	100 ppm
15230	502.2 Cal2000 Mega Mix	50 ul	2000 ppm	100 ppm
14628	EPA 8260 CAL MIX 2	50 ul	2000 ppm	100 ppm
15171	Custom VOC Standard	50 ul	VARIOUS	various ppm
14565	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-397974	VOA ADD MIX(2nd source)	20 ul	5000/25000 p	various ppm
V-397972	Voa Extra Add Mix(2nd Source)	50 ul	2000-20000 p	100-1000 pp
V-397976	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm
14564	Ethyl-tert-Butyl Ether(ETBE)	50 ul	2000 ppm	100 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-399011

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 7/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 07/11/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14880	Methanol	220 ul	neat neat	neat
15229	502.2 Calibration Mix #1	100 ul	2000 ppm	200 ppm
15246	502.2 Cal 2000 Mega Mix	100 ul	2000 ppm	200 ppm
15259	8260 Additions Mix	100 ul	2000 ppm	200 ppm
15170	Custom Voc Standard	100 ul	VARIOUS	various ppm
15227	tert-Amyl Methyl Ether	100 ul	2000 ppm	200 ppm
V-397973	VOA ADD MIX	40 ul	5000/25000 p	various ppm
V-397975	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm
V-397969	Voa Extra Add Mix	100 ul	2000-20000 p	200 ppm
14564	Ethyl-tert-Butyl Ether(ETBE)	100 ul	2000 ppm	200 ppm

Veritech Lot Number: V-399013

Prepared By: Previlon, Wilner
Description: 20ppm VOA Working Std
Prep Date: 7/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 07/11/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
15141	Methanol	900 ul	Neat neat	neat
V-399011	200ppm VOA Working Std	100 ul	VARIOUS pp	200 ppm

Veritech Lot Number: V-399827

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 7/17/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 07/24/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14880	Methanol	220 ul	neat neat	neat
15229	502.2 Calibration Mix #1	100 ul	2000 ppm	200 ppm
15246	502.2 Cal 2000 Mega Mix	100 ul	2000 ppm	200 ppm
15259	8260 Additions Mix	100 ul	2000 ppm	200 ppm
15170	Custom Voc Standard	100 ul	VARIOUS	various ppm
15227	tert-Amyl Methyl Ether	100 ul	2000 ppm	200 ppm
V-397973	VOA ADD MIX	40 ul	5000/25000 p	various ppm
V-397975	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm
V-397969	Voa Extra Add Mix	100 ul	2000-20000 p	200 ppm
14564	Ethyl-tert-Butyl Ether(ETBE)	100 ul	2000 ppm	200 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-399828

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 7/17/2023
Expiration Date: 9/21/2023
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 07/24/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14606	Methanol	610 ul	neat neat	neat neat
14586	502.2 CALIBRATION MIX # 1(2ndLot)	50 ul	2000 ppm	100 ppm
15230	502.2 Cal2000 Mega Mix	50 ul	2000 ppm	100 ppm
14628	EPA 8260 CAL MIX 2	50 ul	2000 ppm	100 ppm
15171	Custom VOC Standard	50 ul	VARIOUS	various ppm
14565	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-397974	VOA ADD MIX(2nd source)	20 ul	5000/25000 p	various ppm
V-397972	Voa Extra Add Mix(2nd Source)	50 ul	2000-20000 p	100-1000 pp
V-397976	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm
14564	Ethyl-tert-Butyl Ether(ETBE)	50 ul	2000 ppm	100 ppm

Veritech Lot Number: V-399841

Prepared By: Previlon, Wilner
Description: VOA WORKING INT/SURR MIX
Prep Date: 7/18/2023
Expiration Date: 7/18/2024
Department: Organics
BatchNumber:
Concentration: 150 ppm
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 07/24/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14606	Methanol	88 ml	neat neat	
14301	8260A Surrogate Mix	6 ml	2500 ppm	150 ppm
13052	Internal Standard Mix	6 ml	2500 ppm	150 ppm

Veritech Lot Number: V-399842

Prepared By: Previlon, Wilner
Description: BFB Tune Mix
Prep Date: 7/18/2023
Expiration Date: 1/18/2024
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 1.5 ml
ApprovedBy: akmal
ApproveDate: 07/24/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399841	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
14606	Methanol	1000 ul	neat neat	

Veritech Lot Number: V-401045

Prepared By: Previlon, Wilner
Description: MBS
Prep Date: 8/4/2023
Expiration Date: 9/21/2023
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14606	Methanol	610 ul	neat neat	neat neat
14586	502.2 CALIBRATION MIX # 1(2ndLot)	50 ul	2000 ppm	100 ppm
15230	502.2 Cal2000 Mega Mix	50 ul	2000 ppm	100 ppm
14628	EPA 8260 CAL MIX 2	50 ul	2000 ppm	100 ppm
15171	Custom VOC Standard	50 ul	VARIOUS	various ppm
14565	tert-Amyl Methyl Ether Standard	50 ul	2000 ppm	100 ppm
V-397974	VOA ADD MIX(2nd source)	20 ul	5000/25000 p	various ppm
V-397972	Voa Extra Add Mix(2nd Source)	50 ul	2000-20000 p	100-1000 pp
V-397976	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm
14564	Ethyl-tert-Butyl Ether(ETBE)	50 ul	2000 ppm	100 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-401102

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 8/4/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14880	Methanol	220 ul	neat neat	neat
15229	502.2 Calibration Mix #1	100 ul	2000 ppm	200 ppm
15246	502.2 Cal 2000 Mega Mix	100 ul	2000 ppm	200 ppm
15259	8260 Additions Mix	100 ul	2000 ppm	200 ppm
15170	Custom Voc Standard	100 ul	VARIOUS	various ppm
15227	tert-Amyl Methyl Ether	100 ul	2000 ppm	200 ppm
V-397973	VOA ADD MIX	40 ul	5000/25000 p	various ppm
V-397969	Voa Extra Add Mix	100 ul	2000-20000 p	200 ppm
V-397975	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm
14564	Ethyl-tert-Butyl Ether(ETBE)	100 ul	2000 ppm	200 ppm

Veritech Lot Number: V-401135

Prepared By: Nealy, Mary Ellen
Description: 624/8260 CAL @ 250 PPB
Prep Date: 8/1/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35287
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399827	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	125 ul	200 ppm	250 ppb

Veritech Lot Number: V-401136

Prepared By: Nealy, Mary Ellen
Description: 624/8260 CAL @ 100 PPB
Prep Date: 8/1/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35287
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399827	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-401137

Prepared By: Nealy, Mary Ellen
Description: 624/8260 CAL @ 50 PPB
Prep Date: 8/1/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35287
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399827	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	25 ul	200 ppm	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-401138

Prepared By: Nealy, Mary Ellen
Description: 624/8260 CAL @ 20 PPB
Prep Date: 8/1/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35287
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399827	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-401139

Prepared By: Nealy, Mary Ellen
Description: 624/8260 CAL @ 10 PPB
Prep Date: 8/1/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35287
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399013	20ppm VOA Working Std	50 ul	VARIOUS pp	10 ppb
12833	P&T Water	100 ml	NEAT neat	
V-394829	20ppm Freon VOA Working Std	50 ul	VARIOUS pp	10 ppb

Veritech Lot Number: V-401140

Prepared By: Nealy, Mary Ellen
Description: 624/8260 CAL @ 5 PPB
Prep Date: 8/1/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35287
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399013	20ppm VOA Working Std	25 ul	VARIOUS pp	5 ppb
12833	P&T Water	100 ml	NEAT neat	
V-394829	20ppm Freon VOA Working Std	25 ul	VARIOUS pp	5 ppb

Veritech Lot Number: V-401141

Prepared By: Nealy, Mary Ellen
Description: 624/8260 CAL @ 1 PPB
Prep Date: 8/1/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35287
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399013	20ppm VOA Working Std	5 ul	VARIOUS pp	1 ppb
12833	P&T Water	100 ml	NEAT neat	
V-394829	20ppm Freon VOA Working Std	5 ul	VARIOUS pp	1 ppb

Veritech Lot Number: V-401142

Prepared By: Nealy, Mary Ellen
Description: 624/8260 CAL @ 0.5 PPB
Prep Date: 8/1/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35287
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399013	20ppm VOA Working Std	2.5 ul	VARIOUS pp	0.5 ppb
12833	P&T Water	100 ml	NEAT neat	
V-394829	20ppm Freon VOA Working Std	2.5 ul	VARIOUS pp	0.5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-401143

Prepared By: Nealy, Mary Ellen
Description: 624/8260 CAL @ 500 PPB
Prep Date: 8/1/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35287
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399827	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-401144

Prepared By: Nealy, Mary Ellen
Description: ICV CAL @ 20 PPB
Prep Date: 8/1/2023
Expiration Date: 8/8/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399828	MBS	20 ul	100 ppm	20 ppb
12833	P&T Water	100 ml	NEAT neat	neat
14624	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-401148

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 250 PPB
Prep Date: 8/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35288
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-401102	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	125 ul	200 ppm	250 ppb

Veritech Lot Number: V-401149

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 8/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35288
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-401102	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	50 ul	200 ppm	100 ppb

Veritech Lot Number: V-401150

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 8/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35288
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-401102	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	25 ul	200 ppm	50 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-401151

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 20 PPB
Prep Date: 8/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35288
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-401102	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-401152

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 10 PPB
Prep Date: 8/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35288
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399013	20ppm VOA Working Std	50 ul	VARIOUS pp	10 ppb
12833	P&T Water	100 ml	NEAT neat	
V-394829	20ppm Freon VOA Working Std	50 ul	VARIOUS pp	10 ppb

Veritech Lot Number: V-401153

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 5 PPB
Prep Date: 8/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35288
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399013	20ppm VOA Working Std	25 ul	VARIOUS pp	5 ppb
12833	P&T Water	100 ml	NEAT neat	
V-394829	20ppm Freon VOA Working Std	25 ul	VARIOUS pp	5 ppb

Veritech Lot Number: V-401154

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 1 PPB
Prep Date: 8/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35288
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399013	20ppm VOA Working Std	5 ul	VARIOUS pp	1 ppb
12833	P&T Water	100 ml	NEAT neat	
V-394829	20ppm Freon VOA Working Std	5 ul	VARIOUS pp	1 ppb

Veritech Lot Number: V-401155

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 0.5 PPB
Prep Date: 8/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35288
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-399013	20ppm VOA Working Std	2.5 ul	VARIOUS pp	0.5 ppb
12833	P&T Water	100 ml	NEAT neat	
V-394829	20ppm Freon VOA Working Std	2.5 ul	VARIOUS pp	0.5 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-401156

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 500 PPB
Prep Date: 8/7/2023
Expiration Date: 8/7/2023
Department: Organics
BatchNumber: B-35288
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-401102	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-401157

Prepared By: Previlon, Wilner
Description: ICV CAL @ 20 PPB
Prep Date: 8/7/2023
Expiration Date: 8/14/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/09/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-401045	MBS	20 ul	100 ppm	20 ppb
12833	P&T Water	100 ml	NEAT neat	neat
14624	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-401329

Prepared By: Previlon, Wilner
Description: 200ppm VOA Working Std
Prep Date: 8/9/2023
Expiration Date: 9/21/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 08/14/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14880	Methanol	220 ul	neat neat	neat
15229	502.2 Calibration Mix #1	100 ul	2000 ppm	200 ppm
15246	502.2 Cal 2000 Mega Mix	100 ul	2000 ppm	200 ppm
15384	Method 8260 Additions	100 ul	2000 ppm	200 ppm
15170	Custom Voc Standard	100 ul	VARIOUS	various ppm
15227	tert-Amyl Methyl Ether	100 ul	2000 ppm	200 ppm
V-397973	VOA ADD MIX	40 ul	5000/25000 p	various ppm
V-397969	Voa Extra Add Mix	100 ul	2000-20000 p	200 ppm
V-397975	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm
14564	Ethyl-tert-Butyl Ether(ETBE)	100 ul	2000 ppm	200 ppm

Veritech Lot Number: V-401330

Prepared By: Goring, Shawn
Description: CAL @ 20 PPB
Prep Date: 8/9/2023
Expiration Date: 8/16/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/14/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-401102	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-401351

Prepared By: Goring, Shawn
Description: CAL @ 20 PPB
Prep Date: 8/10/2023
Expiration Date: 8/17/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/14/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-401102	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-401531

Prepared By: Previlon, Wilner
Description: CAL @ 20 PPB
Prep Date: 8/11/2023
Expiration Date: 8/18/2023
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 08/14/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-401329	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
12833	P&T Water	100 ml	NEAT neat	
14828	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2889

Description: 1,2,4,5-TETRAMETHYLBENZENE

ApprovedBy: jean
ApproveDate: 12/18/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Acros Organics	409390050	A0214190	11/20/07	11/30/27	Revolus, Jean	1	1ML	NEAT	

Veritech Control/Receipt Number: 11587

Description: Furan

ApprovedBy: akmal
ApproveDate: 04/05/18
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Aldrich	185922	SHBG4510V	04/05/18	08/31/25	Hamid, Akmal	1	5ML	NEAT	NEAT

Veritech Control/Receipt Number: 12833

Description: P&T Water

ApprovedBy: akmal
ApproveDate: 10/16/19
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Veritech	N/A	N/A	10/14/19	10/14/25	Goring, Shawn	1	N/A	NEAT	NEAT

Veritech Control/Receipt Number: 13052

Description: Internal Standard Mix

ApprovedBy: jean
ApproveDate: 02/13/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30241	A0156714	02/11/20	01/31/25	Revolus, Jean	12	1ml	2500	PPM

Veritech Control/Receipt Number: 13192

Description: n-Amyl acetate

ApprovedBy: jean
ApproveDate: 04/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-12508-1G	9676300	04/17/20	03/31/26	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 13194

Description: n-Butyl acrylate

ApprovedBy: jean
ApproveDate: 04/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-12513-1G	9919500	04/17/20	01/31/26	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 13195

Description: Methyl methacrylate

ApprovedBy: jean
ApproveDate: 04/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-12443-1G	9827400	04/17/20	03/30/26	Revolus, Jean	1	1g	Neat	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 13987

Description: Ethyl Ether

ApprovedBy: akmal
ApproveDate: 06/09/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-11897-1G	11096100	05/25/21	12/31/25	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14301

Description: 8260A Surrogate Mix

ApprovedBy: jean
ApproveDate: 11/10/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30240	A0175588	11/10/21	08/31/26	Revolus, Jean	20	1ml	2500	PPM

Veritech Control/Receipt Number: 14548

Description: p-Ethyltoluene

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-12776-1G	12503700	04/12/22	12/31/25	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14549

Description: Ethyl acetate

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11881-1G	12841300	04/12/22	11/30/24	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14550

Description: Butyl methacrylate

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11371-1G	12981700	04/12/22	02/28/29	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14553

Description: Ethyl methacrylate

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11903-1G	12985900	04/12/22	02/28/26	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14564

Description: Ethyl-tert-Butyl Ether(ETBE)

ApprovedBy: akmal
ApproveDate: 05/06/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30628	A0179423	05/02/22	12/31/26	Hamid, Akmal	6	1ML	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 14565

Description: tert-Amyl Methyl Ether Standard

ApprovedBy: akmal
ApproveDate: 05/06/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30629	A0182802	05/02/22	03/31/27	Hamid, Akmal	6	1ML	2000	PPM

Veritech Control/Receipt Number: 14586

Description: 502.2 CALIBRATION MIX # 1(2ndLot)

ApprovedBy: akmal
ApproveDate: 05/11/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30042	A0184452	05/11/22	12/31/28	Hamid, Akmal	5	1ML	2000	PPM

Veritech Control/Receipt Number: 14606

Description: Methanol

ApprovedBy: jean
ApproveDate: 06/07/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
EMD	MX0482-6	60049	05/26/22	05/25/26	Lopez, Jose	49	1L	neat	neat

Veritech Control/Receipt Number: 14624

Description: Chlorodifluoromethane

ApprovedBy: jean
ApproveDate: 06/07/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	M-REF-03	219081587	06/03/22	08/19/31	Revolus, Jean	10	1mL	200	PPM

Veritech Control/Receipt Number: 14628

Description: EPA 8260 CAL MIX 2

ApprovedBy: jean
ApproveDate: 06/08/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
SUPELCO	46831-U	LRAD2512	06/07/22	05/31/25	Revolus, Jean	5	1mL	2000	PPM

Veritech Control/Receipt Number: 14828

Description: Chlorodifluoromethane

ApprovedBy: akmal
ApproveDate: 09/19/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	M-REF-03	221081279	09/16/22	08/19/31	Revolus, Jean	10	1ml	200	PPM

Veritech Control/Receipt Number: 14880

Description: Methanol

ApprovedBy: jean
ApproveDate: 10/13/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco/EMD	MX0482-6	62126	10/12/22	10/11/27	Lopez, Jose	36	1L	neat	neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 15140

Description: Methanol

ApprovedBy: akmal
ApproveDate: 03/03/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco/EMD	MX0482	62126	03/02/23	03/01/28	Lopez, Jose	30	1L	Neat	Neat

Veritech Control/Receipt Number: 15141

Description: Methanol

ApprovedBy: akmal
ApproveDate: 03/03/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco/EMD	MX0482	22080306	03/02/23	03/01/28	Lopez, Jose	6	1L	Neat	Neat

Veritech Control/Receipt Number: 15170

Description: Custom Voc Standard

ApprovedBy: jean
ApproveDate: 03/24/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	S-16418	223031318	03/24/23	09/21/23	Revolus, Jean	5	1ml	VARIOU	

Veritech Control/Receipt Number: 15171

Description: Custom VOC Standard

ApprovedBy: jean
ApproveDate: 03/24/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	S-16418	223031314	03/24/23	09/21/23	Revolus, Jean	5	1ml	VARIOU	

Veritech Control/Receipt Number: 15227

Description: tert-Amyl Methyl Ether

ApprovedBy: jean
ApproveDate: 04/24/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30629	A0191192	04/07/23	11/30/27	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 15229

Description: 502.2 Calibration Mix #1

ApprovedBy: jean
ApproveDate: 04/24/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30042	A0192488	04/07/23	08/31/29	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 15230

Description: 502.2 Cal2000 Mega Mix

ApprovedBy: jean
ApproveDate: 04/24/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30431	A0188935	04/07/23	08/31/24	Revolus, Jean	10	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 15246

Description: 502.2 Cal 2000 Mega Mix

ApprovedBy: akmal
ApproveDate: 04/28/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30431	A0196706	04/28/23	04/30/25	Hamid, Akmal	5	1ML	2000	PPM

Veritech Control/Receipt Number: 15259

Description: 8260 Additions Mix

ApprovedBy: jean
ApproveDate: 05/05/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	223041101	05/05/23	08/07/23	Revolus, Jean	2	1ml	2000	PPM

Veritech Control/Receipt Number: 15373

Description: p-Diethylbenzene

ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERVICE	N-12771-100MG	14490400	06/22/23	12/31/26	Revolus, Jean	4	100m	NEAT	

Veritech Control/Receipt Number: 15374

Description: d-Camphor

ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERVICE	N-11556-100MG	9259300	06/22/23	12/31/25	Revolus, Jean	3	100 m	NEAT	

Veritech Control/Receipt Number: 15375

Description: Camphene

ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERVICE	N-11395-250MG	13119400	06/22/23	04/30/27	Revolus, Jean	3	250 m	NEAT	

Veritech Control/Receipt Number: 15377

Description: Cyclohexanone

ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERVICE	N-11531-1G	14388800	06/22/23	06/30/27	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 15378

Description: Isoprpyl acetane

ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERVICE	N-12223-G	13779100	06/22/23	12/31/25	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 15384

Description
Method 8260 Additions

ApprovedBy: jean
ApproveDate: 06/27/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X-P	223041101-01	06/27/23	10/09/23	Revolus, Jean	5	1ml	2000	PPM

Hampton-Clarke
Analytical & Field Services

Last Page of Report

Hampton-Clarke
Analytical & Field Services

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2 Madison Road, Fairfield, NJ 07004-2327
800-426-9992 · 973-244-9770
FAX: 973-244-9787
WWW.HCVLAB.COM

Project: Orange Plaza

Client PO: Not Available

Report To: Langan Engineering & Environmental
300 Kimball Drive
Parsipanny, NJ 07054
Attn: K.McPartland

Received Date: 11/12/2024

Report Date: 12/12/2024

Deliverables: NYSDEC-CatB

Lab ID: AD48093

Lab Project No: 4111304

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

Table of Contents - 4111304

SDG Narrative

HC Case Narrative

Client: Langan Engineering & Environmental **HC Project:** 4111304
Project: Orange Plaza

Hampton-Clarke (HC) received the following samples on 11/12/24:

Client ID	HC Sample ID	Matrix	Analysis
MW-1	AD48093-001	Aqueous	Volatile Organics + 10 (8260D)
FB20241112	AD48093-002	Aqueous	Volatile Organics + 10 (8260D)
TB20241112	AD48093-003	Aqueous	Volatile Organics + 10 (8260D)

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:

Acetone was recovered in sample AD48093-003 due to possible laboratory contamination.

The spiking compounds were diluted out from Matrix Spike and Matrix Spike Duplicate for batch 120045. Please refer to the applicable Form 3 for the recoveries.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Sean Berls
Quality Assurance Officer

Or

Jean Revolus
Laboratory Director

12/12/24
Date

Reporting Limit Definitions

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

DUP = Duplicate

LCS = Laboratory Control Spike

MBS = Method Blank Spike

MDL = Method Detection Limit

MR = Matrix Replicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NA = Not Applicable

ND = Not Detected

PS = Post Digestion Spike

RL* = Reporting Limit

RT = Retention Time

SD = Serial Dilution

**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.

Data Package Summary Forms

HC Report of Analysis

Client: Langan Engineering & Environmental **HC Project #:** 4111304

Project: Orange Plaza

Sample ID: MW-1 **Collection Date:** 11/12/2024
Lab#: AD48093-001 **Receipt Date:** 11/12/2024
Matrix: Aqueous

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.51	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropene (Total)	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	**1**	**ug/l**	**5.0**	**11**
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**12**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.53	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	**1**	**ug/l**	**1.0**	**2.5**
Toluene	1	ug/l	1.0	ND

Sample ID:	**MW-1**	**Collection Date:**	**11/12/2024**
Lab#:	**AD48093-001**	**Receipt Date:**	**11/12/2024**
Matrix:	**Aqueous**		

trans-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**32**
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	**1**	**ug/l**	**1.0**	**5.7**
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	**1**	**ug/l**	**1.0**	**39**
Xylenes (Total)	1	ug/l	1.0	ND

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
unknown	**1**	**ug/l**	**2.27**	**4.5J**
unknown	**1**	**ug/l**	**2.79**	**3.5J**
TotalVolatileTic	**1**	**ug/l**	**NA**	**8J**

Sample ID: FB20241112 **Collection Date:** 11/12/2024
Lab#: AD48093-002 **Receipt Date:** 11/12/2024
Matrix: Aqueous

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.51	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropene (Total)	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.53	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: FB20241112
Lab#: AD48093-002
Matrix: Aqueous
Collection Date: 11/12/2024
Receipt Date: 11/12/2024

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: TB20241112 **Collection Date:** 11/12/2024
Lab#: AD48093-003 **Receipt Date:** 11/12/2024
Matrix: Aqueous

Volatile Organics + 10 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	0.51	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropene (Total)	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	**1**	**ug/l**	**5.0**	**6.4**
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	1.0	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	1.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.53	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TB20241112
Lab#: AD48093-003
Matrix: Aqueous
Collection Date: 11/12/2024
Receipt Date: 11/12/2024

Volatile Organics + 10 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48093-001
Client Id: MW-1
Data File: 2M205992.D
Analysis Date: 11/14/24 23:59
Date Rec/Extracted: 11/12/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**12**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.51	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	**Acetone**	**5.0**	**11**	**127-18-4**	**Tetrachloroethene**	**1.0**	**2.5**
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	**156-60-5**	**trans-1,2-Dichloroethene**	**1.0**	**32**
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**5.7**
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	**75-01-4**	**Vinyl Chloride**	**1.0**	**39**
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 761793 *Total Target Concentration* 100 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 usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD48093-001
Client Id: MW-1
Data File: 2M205992.D
Analysis Date: 11/14/24 23:59
Date Rec/Extracted: 11/12/24-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.27	4.5J
2		unknown	2.79	3.5J

Worksheet #: 761793

Total Tentatively Identified Concentration 8

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48093-002
Client Id: FB20241112
Data File: 2M206003.D
Analysis Date: 11/15/24 03:24
Date Rec/Extracted: 11/12/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.51	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 761793

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 usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD48093-002
Client Id: FB20241112
Data File: 2M206003.D
Analysis Date: 11/15/24 03:24
Date Rec/Extracted: 11/12/24-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 761793

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48093-003
Client Id: TB20241112
Data File: 2M205973.D
Analysis Date: 11/14/24 17:49
Date Rec/Extracted: 11/12/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.51	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	**Acetone**	**5.0**	**6.4**	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD48093-003
Client Id: TB20241112
Data File: 2M205973.D
Analysis Date: 11/14/24 17:49
Date Rec/Extracted: 11/12/24-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 761793

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Chain of Custody Forms

4111304 0019

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

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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): 4111304

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 [X] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[X] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other: Per MSA		Other:

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

Customer Information

1a) Customer: Langan
Address: 300 Kimball Dr Parsippany
1b) Email/Cell/Fax/Ph: Kmcpartland@langan.com
1c) Send Invoice to:
1d) Send Report to:

Project Information

2a) Project: Orange Plaza
2b) Project Mgr: Keith McPartland
2c) Project Location (City/State): Middletown, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY

Batch # 248093

===> 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)	VOA by NYASP 95-1	8) # of Bottles: None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	MW-1	GW	11/12/24	1105		X	X									
002	FB20241112	FB	11/12/24	1100		X	X									
003	TB20241112	TB	11/12/24				X									

10) Relinquished by:	Accepted by:	Date	Time
		11/12/24	15:30
		11/12/24	16:00

11) Sampler (print name): Nick Querrazzi Date: 11/12/24

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D 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°

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 AD48093 Entered By: maxwell

Date Entered 11/13/2024 9:59:00 AM

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	T-432	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 2.7
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?

PRESERVATION DOCUMENT

Batch Number AD48093 Entered By: maxwell

Date Entered 11/13/2024 9:59:00 AM

Lab#:	Container Size	Container/Vial Check	Parameter	Preservative	Preservative Lot#	PH	pH Lot#
AD48093-001	40ML	G	VO	HCL	23E1262007	1.0	HC441704
AD48093-002	40ML	G	VO	HCL	23E1262007	1.0	HC441704
AD48093-003	40ML	G	VO	HCL	23E1262007	1.0	HC441704

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD48093-001	11/12/24 16:00	MAXW	0 .	M	Received
AD48093-001	11/13/24 09:57	MAXW	0	M	Login
AD48093-001	11/13/24 16:25	R31	1	A	NONE
AD48093-001	11/13/24 16:25	R31	2	A	NONE
AD48093-001	11/14/24 14:31	SG	2	A	VOA
AD48093-001	11/13/24 16:23	R31PH	3	A	NONE
AD48093-002	11/12/24 16:00	MAXW	0	M	Received
AD48093-002	11/13/24 09:57	MAXW	0	M	Login
AD48093-002	11/13/24 16:25	R31	2	A	NONE
AD48093-002	11/14/24 14:31	SG	2	A	VOA
AD48093-002	11/13/24 16:25	R31	3	A	NONE
AD48093-002	11/13/24 16:23	R31PH	4	A	NONE
AD48093-003	11/12/24 16:00	MAXW	0	M	Received
AD48093-003	11/13/24 09:57	MAXW	0	M	Login
AD48093-003	11/13/24 16:25	R31	2	A	NONE
AD48093-003	11/14/24 14:31	SG	2	A	VOA
AD48093-003	11/13/24 16:25	R31	4	A	NONE
AD48093-003	11/13/24 16:23	R31PH	5	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

GC/MS Volatile Data

GC/MS Volatile Data
QC Summary

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
2M205966.D	DAILY BLANK	A	11/14/24 15:33	1		97	91	88	84		
2M206002.D	DAILY BLANK	A	11/15/24 03:04	1		96	90	88	110		
2M205992.D	AD48093-001	A	11/14/24 23:59	1		98	87	89	110		
2M206003.D	AD48093-002	A	11/15/24 03:24	1		97	89	90	111		
2M205973.D	AD48093-003	A	11/14/24 17:49	1		97	89	90	84		
2M205969.D	MBS120045	A	11/14/24 16:31	1		96	86	94	83		
2M205971.D	AD47849-001(50X)(T)	A	11/14/24 17:10	1		95	90	88	86		
2M205980.D	AD47849-001(50X)(T:M	A	11/14/24 20:06	1		94	89	89	108		
2M205981.D	AD47849-001(50X)(T:M	A	11/14/24 20:25	1		94	88	89	109		
2M206012.D	MBS120047	A	11/15/24 06:20	1		95	85	94	113		

Flags: SD=Surrogate diluted out

*=Surrogate out

Method: EPA 8260D

Aqueous Laboratory Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	82-120
S2=1,2-Dichloroethane-d4	30	81-123
S3=Toluene-d8	30	75-121
S4=Bromofluorobenzene	30	77-125

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120045

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M205969.D	MBS120045	11/14/2024 4:31:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	5.018	0	20	25	16	181
Dichlorodifluoromethane	1	17.3602	0	20	87	10	202
Chloromethane	1	13.9534	0	20	70	10	182
Bromomethane	1	12.4077	0	20	62	10	172
Vinyl Chloride	1	18.4492	0	20	92	26	176
Chloroethane	1	16.5916	0	20	83	28	165
Trichlorofluoromethane	1	17.5893	0	20	88	18	178
Ethyl ether	1	13.3031	0	20	67	38	155
Furan	1	11.9191	0	20	60	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	18.1907	0	20	91	32	178
Methylene Chloride	1	20.2746	0	20	101	10	225
Acrolein	1	60.3781	0	100	60	10	183
Acrylonitrile	1	16.0378	0	20	80	40	164
Iodomethane	1	14.3712	0	20	72	10	191
Acetone	1	65.3531	0	100	65	10	237
Carbon Disulfide	1	19.7218	0	20	99	10	194
t-Butyl Alcohol	1	62.6217	0	100	63	21	185
n-Hexane	1	19.3154	0	20	97	43	179
Di-isopropyl-ether	1	16.777	0	20	84	47	159
1,1-Dichloroethene	1	14.7366	0	20	74	42	172
Methyl Acetate	1	17.29	0	20	86	10	192
Methyl-t-butyl ether	1	17.6092	0	20	88	43	154
1,1-Dichloroethane	1	18.1519	0	20	91	48	160
trans-1,2-Dichloroethene	1	21.0504	0	20	105	37	171
Ethyl-t-butyl ether	1	16.8966	0	20	84	53	149
cis-1,2-Dichloroethene	1	17.1472	0	20	86	45	161
Bromochloromethane	1	16.0594	0	20	80	42	170
2,2-Dichloropropane	1	15.2843	0	20	76	33	173
Ethyl acetate	1	15.0197	0	20	75	38	156
1,4-Dioxane	1	839.704	0	1000	84	18	186
1,1-Dichloropropene	1	19.8544	0	20	99	51	157
Chloroform	1	19.8716	0	20	99	47	157
Cyclohexane	1	19.514	0	20	98	41	175
1,2-Dichloroethane	1	16.8074	0	20	84	43	154
2-Butanone	1	16.6176	0	20	83	20	188
1,1,1-Trichloroethane	1	20.97	0	20	105	49	155
Carbon Tetrachloride	1	21.7147	0	20	109	47	159
Vinyl Acetate	1	15.0843	0	20	75	31	160
Bromodichloromethane	1	18.1542	0	20	91	48	152
Methylcyclohexane	1	21.4872	0	20	107	47	167
Dibromomethane	1	23.9632	0	20	120	47	153
1,2-Dichloropropane	1	17.8226	0	20	89	53	153
Trichloroethene	1	23.4869	0	20	117	45	165
Benzene	1	18.8269	0	20	94	41	163
tert-Amyl methyl ether	1	16.4847	0	20	82	51	146
Iso-propylacetate	1	13.7132	0	20	69	37	153
Methyl methacrylate	1	14.5492	0	20	73	40	160
Dibromochloromethane	1	18.685	0	20	93	50	144
2-Chloroethylvinylether	1	18.1474	0	20	91	10	201
cis-1,3-Dichloropropene	1	15.5914	0	20	78	49	146
trans-1,3-Dichloropropene	1	14.1039	0	20	71	48	144
Ethyl methacrylate	1	12.6419	0	20	63	38	160
1,1,2-Trichloroethane	1	17.7737	0	20	89	52	146
1,2-Dibromoethane	1	18.4741	0	20	92	55	140
1,3-Dichloropropane	1	16.2814	0	20	81	54	142
4-Methyl-2-Pentanone	1	15.9401	0	20	80	41	158
2-Hexanone	1	12.3181	0	20	62	39	163
Tetrachloroethene	1	23.1876	0	20	116	48	162
Toluene	1	17.957	0	20	90	49	153
1,1,1,2-Tetrachloroethane	1	18.9302	0	20	95	51	140
Chlorobenzene	1	19.5166	0	20	98	43	155

* - 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: MBS120045

Method: 8260D	Matrix: Aqueous		Units: ug/L	QC Type: MBS		
Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	9.8678	0	20	49	21	181
n-Amyl acetate	1	9.0741	0	20	45	20	182
Bromoform	**1**	**14.544**	**0**	**20**	**73**	**47**	**137**
Ethylbenzene	**1**	**14.1451**	**0**	**20**	**71**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**15.2322**	**0**	**20**	**76**	**36**	**152**
Styrene	**1**	**13.3836**	**0**	**20**	**67**	**34**	**170**
m&p-Xylenes	**1**	**27.3603**	**0**	**40**	**68**	**16**	**184**
o-Xylene	**1**	**13.1299**	**0**	**20**	**66**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	12.3344	0	20	62	10	154
1,3-Dichlorobenzene	**1**	**17.9909**	**0**	**20**	**90**	**46**	**147**
1,4-Dichlorobenzene	**1**	**18.2637**	**0**	**20**	**91**	**37**	**156**
1,2-Dichlorobenzene	**1**	**16.3848**	**0**	**20**	**82**	**42**	**150**
Isopropylbenzene	**1**	**13.8023**	**0**	**20**	**69**	**32**	**174**
Cyclohexanone	1	22.9565	0	100	23	10	254
Camphene	1	18.6371	0	20	93	10	172
1,2,3-Trichloropropane	1	13.6436	0	20	68	20	164
2-Chlorotoluene	1	15.413	0	20	77	43	153
p-Ethyltoluene	1	15.6465	0	20	78	36	164
4-Chlorotoluene	1	14.8692	0	20	74	34	160
n-Propylbenzene	1	17.1134	0	20	86	30	176
Bromobenzene	1	16.05	0	20	80	44	142
1,3,5-Trimethylbenzene	1	16.2841	0	20	81	37	165
Butyl methacrylate	1	11.8055	0	20	59	30	169
t-Butylbenzene	1	18.5278	0	20	93	48	162
1,2,4-Trimethylbenzene	1	17.0669	0	20	85	38	162
sec-Butylbenzene	1	16.3324	0	20	82	42	164
4-Isopropyltoluene	1	16.573	0	20	83	40	162
n-Butylbenzene	1	14.6162	0	20	73	30	176
p-Diethylbenzene	1	16.279	0	20	81	23	179
1,2,4,5-Tetramethylbenzene	1	17.5854	0	20	88	18	177
1,2-Dibromo-3-Chloropropane	**1**	**14.9895**	**0**	**20**	**75**	**32**	**154**
Camphor	1	107.5868	0	200	54	10	202
Hexachlorobutadiene	1	24.2611	0	20	121	23	181
1,2,4-Trichlorobenzene	**1**	**19.7462**	**0**	**20**	**99**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**19.1148**	**0**	**20**	**96**	**30**	**172**
Naphthalene	1	21.8899	0	20	109	13	191

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Bold and underline - Indicates the compounds reported on form1

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120047

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M206012.D	MBS120047	11/15/2024 6:20:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	7.0781	0	20	35	16	181
Dichlorodifluoromethane	1	18.2327	0	20	91	10	202
Chloromethane	1	15.9214	0	20	80	10	182
Bromomethane	1	13.784	0	20	69	10	172
Vinyl Chloride	1	22.856	0	20	114	26	176
Chloroethane	1	20.0173	0	20	100	28	165
Trichlorofluoromethane	1	21.3398	0	20	107	18	178
Ethyl ether	1	14.7878	0	20	74	38	155
Furan	1	13.1136	0	20	66	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	19.2704	0	20	96	32	178
Methylene Chloride	1	20.878	0	20	104	10	225
Acrolein	1	62.0534	0	100	62	10	183
Acrylonitrile	1	16.4789	0	20	82	40	164
Iodomethane	1	17.2602	0	20	86	10	191
Acetone	1	65.8338	0	100	66	10	237
Carbon Disulfide	1	18.4532	0	20	92	10	194
t-Butyl Alcohol	1	75.7054	0	100	76	21	185
n-Hexane	1	17.3199	0	20	87	43	179
Di-isopropyl-ether	1	16.414	0	20	82	47	159
1,1-Dichloroethene	1	15.7717	0	20	79	42	172
Methyl Acetate	1	16.8614	0	20	84	10	192
Methyl-t-butyl ether	1	19.249	0	20	96	43	154
1,1-Dichloroethane	1	19.1674	0	20	96	48	160
trans-1,2-Dichloroethene	1	21.8892	0	20	109	37	171
Ethyl-t-butyl ether	1	17.8565	0	20	89	53	149
cis-1,2-Dichloroethene	1	17.7755	0	20	89	45	161
Bromochloromethane	1	16.9352	0	20	85	42	170
2,2-Dichloropropane	1	13.2093	0	20	66	33	173
Ethyl acetate	1	21.1578	0	20	106	38	156
1,4-Dioxane	1	1027.37	0	1000	103	18	186
1,1-Dichloropropene	1	20.5439	0	20	103	51	157
Chloroform	1	20.7058	0	20	104	47	157
Cyclohexane	1	19.6942	0	20	98	41	175
1,2-Dichloroethane	1	17.8343	0	20	89	43	154
2-Butanone	1	14.0127	0	20	70	20	188
1,1,1-Trichloroethane	1	21.6262	0	20	108	49	155
Carbon Tetrachloride	1	22.3459	0	20	112	47	159
Vinyl Acetate	1	15.551	0	20	78	31	160
Bromodichloromethane	1	18.8675	0	20	94	48	152
Methylcyclohexane	1	21.0221	0	20	105	47	167
Dibromomethane	1	25.4025	0	20	127	47	153
1,2-Dichloropropane	1	18.5584	0	20	93	53	153
Trichloroethene	1	24.6965	0	20	123	45	165
Benzene	1	19.4787	0	20	97	41	163
tert-Amyl methyl ether	1	17.6646	0	20	88	51	146
Iso-propylacetate	1	13.6808	0	20	68	37	153
Methyl methacrylate	1	15.1555	0	20	76	40	160
Dibromochloromethane	1	20.8379	0	20	104	50	144
2-Chloroethylvinylether	1	25.7014	0	20	129	10	201
cis-1,3-Dichloropropene	1	16.4855	0	20	82	49	146
trans-1,3-Dichloropropene	1	15.3389	0	20	77	48	144
Ethyl methacrylate	1	14.5475	0	20	73	38	160
1,1,2-Trichloroethane	1	19.266	0	20	96	52	146
1,2-Dibromoethane	1	20.3886	0	20	102	55	140
1,3-Dichloropropane	1	18.1047	0	20	91	54	142
4-Methyl-2-Pentanone	1	14.9085	0	20	75	41	158
2-Hexanone	1	15.0057	0	20	75	39	163
Tetrachloroethene	1	24.4511	0	20	122	48	162
Toluene	1	19.5741	0	20	98	49	153
1,1,1,2-Tetrachloroethane	1	20.4645	0	20	102	51	140
Chlorobenzene	1	21.0112	0	20	105	43	155

* - 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: MBS120047

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	15.7369	0	20	79	21	181
n-Amyl acetate	1	14.9889	0	20	75	20	182
Bromoform	**1**	**20.1282**	**0**	**20**	**101**	**47**	**137**
Ethylbenzene	**1**	**19.4441**	**0**	**20**	**97**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**17.8727**	**0**	**20**	**89**	**36**	**152**
Styrene	**1**	**18.8441**	**0**	**20**	**94**	**34**	**170**
m&p-Xylenes	**1**	**39.663**	**0**	**40**	**99**	**16**	**184**
o-Xylene	**1**	**18.8487**	**0**	**20**	**94**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	13.9172	0	20	70	10	154
1,3-Dichlorobenzene	**1**	**20.5068**	**0**	**20**	**103**	**46**	**147**
1,4-Dichlorobenzene	**1**	**20.7366**	**0**	**20**	**104**	**37**	**156**
1,2-Dichlorobenzene	**1**	**20.3959**	**0**	**20**	**102**	**42**	**150**
Isopropylbenzene	**1**	**20.0373**	**0**	**20**	**100**	**32**	**174**
Cyclohexanone	1	63.4179	0	100	63	10	254
Camphene	1	20.7047	0	20	104	10	172
1,2,3-Trichloropropane	1	15.474	0	20	77	20	164
2-Chlorotoluene	1	18.3326	0	20	92	43	153
p-Ethyltoluene	1	19.2956	0	20	96	36	164
4-Chlorotoluene	1	17.6709	0	20	88	34	160
n-Propylbenzene	1	19.1533	0	20	96	30	176
Bromobenzene	1	17.7523	0	20	89	44	142
1,3,5-Trimethylbenzene	1	19.3212	0	20	97	37	165
Butyl methacrylate	1	14.9075	0	20	75	30	169
t-Butylbenzene	1	20.3	0	20	102	48	162
1,2,4-Trimethylbenzene	1	19.151	0	20	96	38	162
sec-Butylbenzene	1	19.6907	0	20	98	42	164
4-Isopropyltoluene	1	20.1582	0	20	101	40	162
n-Butylbenzene	1	18.2217	0	20	91	30	176
p-Diethylbenzene	1	20.0581	0	20	100	23	179
1,2,4,5-Tetramethylbenzene	1	19.5863	0	20	98	18	177
1,2-Dibromo-3-Chloropropane	**1**	**19.5599**	**0**	**20**	**98**	**32**	**154**
Camphor	1	179.4284	0	200	90	10	202
Hexachlorobutadiene	1	27.3862	0	20	137	23	181
1,2,4-Trichlorobenzene	**1**	**23.5585**	**0**	**20**	**118**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**24.2221**	**0**	**20**	**121**	**30**	**172**
Naphthalene	1	25.3194	0	20	127	13	191

* - 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: MBS120045

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M205980.D	AD47849-001(50X)(T:MS)	11/14/2024 8:06:00 PM
Non Spike(If applicable):	2M205971.D	AD47849-001(50X)(T)	11/14/2024 5:10:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	16	181
Dichlorodifluoromethane	1	0	0	20	0*	10	202
Chloromethane	1	0	0	20	0*	10	182
Bromomethane	1	0	0	20	0*	10	172
Vinyl Chloride	1	0	0	20	0*	26	176
Chloroethane	1	0	0	20	0*	28	165
Trichlorofluoromethane	1	0	0	20	0*	18	178
Ethyl ether	1	0	0	20	0*	38	155
Furan	1	0	0	20	0*	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	20	0*	32	178
Methylene Chloride	1	0	0	20	0*	10	225
Acrolein	1	0	0	100	0*	10	183
Acrylonitrile	1	0	0	20	0*	40	164
Iodomethane	1	0	0	20	0*	10	191
Acetone	1	0	0	100	0*	10	237
Carbon Disulfide	1	0	0	20	0*	10	194
t-Butyl Alcohol	1	0	0	100	0*	21	185
n-Hexane	1	0	0	20	0*	43	179
Di-isopropyl-ether	1	0	0	20	0*	47	159
1,1-Dichloroethene	1	0	0	20	0*	42	172
Methyl Acetate	1	0	0	20	0*	10	192
Methyl-t-butyl ether	**1**	**0**	**0**	**20**	**0***	**43**	**154**
1,1-Dichloroethane	1	0	0	20	0*	48	160
trans-1,2-Dichloroethene	1	0	0	20	0*	37	171
Ethyl-t-butyl ether	1	0	0	20	0*	53	149
cis-1,2-Dichloroethene	1	0	0	20	0*	45	161
Bromochloromethane	1	0	0	20	0*	42	170
2,2-Dichloropropane	1	0	0	20	0*	33	173
Ethyl acetate	1	0	0	20	0*	38	156
1,4-Dioxane	1	0	0	1000	0*	18	186
1,1-Dichloropropene	1	0	0	20	0*	51	157
Chloroform	1	0	0	20	0*	47	157
Cyclohexane	1	0	0	20	0*	41	175
1,2-Dichloroethane	1	0	0	20	0*	43	154
2-Butanone	1	0	0	20	0*	20	188
1,1,1-Trichloroethane	1	0	0	20	0*	49	155
Carbon Tetrachloride	1	0	0	20	0*	47	159
Vinyl Acetate	1	0	0	20	0*	31	160
Bromodichloromethane	1	0	0	20	0*	48	152
Methylcyclohexane	1	0	0	20	0*	47	167
Dibromomethane	1	0	0	20	0*	47	153
1,2-Dichloropropane	1	0	0	20	0*	53	153
Trichloroethene	1	0	0	20	0*	45	165
Benzene	**1**	**0**	**0**	**20**	**0***	**41**	**163**
tert-Amyl methyl ether	1	0	0	20	0*	51	146
Iso-propylacetate	1	0	0	20	0*	37	153
Methyl methacrylate	1	0	0	20	0*	40	160
Dibromochloromethane	1	0	0	20	0*	50	144
2-Chloroethylvinylether	1	0	0	20	0*	10	201
cis-1,3-Dichloropropene	1	0	0	20	0*	49	146
trans-1,3-Dichloropropene	1	0	0	20	0*	48	144
Ethyl methacrylate	1	0	0	20	0*	38	160
1,1,2-Trichloroethane	1	0	0	20	0*	52	146
1,2-Dibromoethane	1	0	0	20	0*	55	140
1,3-Dichloropropane	1	0	0	20	0*	54	142
4-Methyl-2-Pentanone	1	0	0	20	0*	41	158
2-Hexanone	1	0	0	20	0*	39	163
Tetrachloroethene	1	0	0	20	0*	48	156
Toluene	**1**	**0**	**0**	**20**	**0***	**49**	**153**
1,1,1,2-Tetrachloroethane	1	0	0	20	0*	51	140
Chlorobenzene	1	0	0	20	0*	43	155

* - 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: MBS120045

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	0	0	20	0*	21	181
n-Amyl acetate	1	0	0	20	0*	20	182
Bromoform	1	0	0	20	0*	47	137
Ethylbenzene	**1**	**0**	**0**	**20**	**0***	**41**	**153**
1,1,2,2-Tetrachloroethane	1	0	0	20	0*	36	152
Styrene	1	0	0	20	0*	34	170
m&p-Xylenes	**1**	**0**	**0**	**40**	**0***	**16**	**184**
o-Xylene	**1**	**0**	**0**	**20**	**0***	**31**	**166**
trans-1,4-Dichloro-2-butene	1	0	0	20	0*	10	154
1,3-Dichlorobenzene	1	0	0	20	0*	46	147
1,4-Dichlorobenzene	1	0	0	20	0*	37	156
1,2-Dichlorobenzene	1	0	0	20	0*	42	150
Isopropylbenzene	**1**	**0**	**0**	**20**	**0***	**32**	**174**
Cyclohexanone	1	0	0	100	0*	10	254
Camphene	1	0	0	20	0*	10	172
1,2,3-Trichloropropane	1	0	0	20	0*	20	164
2-Chlorotoluene	1	0	0	20	0*	43	153
p-Ethyltoluene	1	0	0	20	0*	36	164
4-Chlorotoluene	1	0	0	20	0*	34	160
n-Propylbenzene	**1**	**0**	**0**	**20**	**0***	**36**	**170**
Bromobenzene	1	0	0	20	0*	44	142
1,3,5-Trimethylbenzene	**1**	**0**	**0**	**20**	**0***	**37**	**165**
Butyl methacrylate	1	0	0	20	0*	30	169
t-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**48**	**152**
1,2,4-Trimethylbenzene	**1**	**0**	**0**	**20**	**0***	**38**	**162**
sec-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**42**	**164**
4-Isopropyltoluene	**1**	**0**	**0**	**20**	**0***	**40**	**162**
n-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**30**	**176**
p-Diethylbenzene	1	0	0	20	0*	23	179
1,2,4,5-Tetramethylbenzene	1	0	0	20	0*	18	177
1,2-Dibromo-3-Chloropropane	1	0	0	20	0*	32	154
Camphor	1	0	0	200	0*	10	202
Hexachlorobutadiene	1	0	0	20	0*	23	181
1,2,4-Trichlorobenzene	1	0	0	20	0*	28	169
1,2,3-Trichlorobenzene	1	0	0	20	0*	30	172
Naphthalene	1	0	0	20	0*	13	191

* - 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: MBS120045

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M205981.D	AD47849-001(50X)(T:MSD)	11/14/2024 8:25:00 PM
Non Spike(If applicable):	2M205971.D	AD47849-001(50X)(T)	11/14/2024 5:10:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	16	181
Dichlorodifluoromethane	1	0	0	20	0*	10	202
Chloromethane	1	0	0	20	0*	10	182
Bromomethane	1	0	0	20	0*	10	172
Vinyl Chloride	1	0	0	20	0*	26	176
Chloroethane	1	0	0	20	0*	28	165
Trichlorofluoromethane	1	0	0	20	0*	18	178
Ethyl ether	1	0	0	20	0*	38	155
Furan	1	0	0	20	0*	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	20	0*	32	178
Methylene Chloride	1	0	0	20	0*	10	225
Acrolein	1	0	0	100	0*	10	183
Acrylonitrile	1	0	0	20	0*	40	164
Iodomethane	1	0	0	20	0*	10	191
Acetone	1	0	0	100	0*	10	237
Carbon Disulfide	1	0	0	20	0*	10	194
t-Butyl Alcohol	1	0	0	100	0*	21	185
n-Hexane	1	0	0	20	0*	43	179
Di-isopropyl-ether	1	0	0	20	0*	47	159
1,1-Dichloroethene	1	0	0	20	0*	42	172
Methyl Acetate	1	0	0	20	0*	10	192
Methyl-t-butyl ether	**1**	**0**	**0**	**20**	**0***	**43**	**154**
1,1-Dichloroethane	1	0	0	20	0*	48	160
trans-1,2-Dichloroethene	1	0	0	20	0*	37	171
Ethyl-t-butyl ether	1	0	0	20	0*	53	149
cis-1,2-Dichloroethene	1	0	0	20	0*	45	161
Bromochloromethane	1	0	0	20	0*	42	170
2,2-Dichloropropane	1	0	0	20	0*	33	173
Ethyl acetate	1	0	0	20	0*	38	156
1,4-Dioxane	1	0	0	1000	0*	18	186
1,1-Dichloropropene	1	0	0	20	0*	51	157
Chloroform	1	0	0	20	0*	47	157
Cyclohexane	1	0	0	20	0*	41	175
1,2-Dichloroethane	1	0	0	20	0*	43	154
2-Butanone	1	0	0	20	0*	20	188
1,1,1-Trichloroethane	1	0	0	20	0*	49	155
Carbon Tetrachloride	1	0	0	20	0*	47	159
Vinyl Acetate	1	0	0	20	0*	31	160
Bromodichloromethane	1	0	0	20	0*	48	152
Methylcyclohexane	1	0	0	20	0*	47	167
Dibromomethane	1	0	0	20	0*	47	153
1,2-Dichloropropane	1	0	0	20	0*	53	153
Trichloroethene	1	0	0	20	0*	45	165
Benzene	**1**	**0**	**0**	**20**	**0***	**41**	**163**
tert-Amyl methyl ether	1	0	0	20	0*	51	146
Iso-propylacetate	1	0	0	20	0*	37	153
Methyl methacrylate	1	0	0	20	0*	40	160
Dibromochloromethane	1	0	0	20	0*	50	144
2-Chloroethylvinylether	1	0	0	20	0*	10	201
cis-1,3-Dichloropropene	1	0	0	20	0*	49	146
trans-1,3-Dichloropropene	1	0	0	20	0*	48	144
Ethyl methacrylate	1	0	0	20	0*	38	160
1,1,2-Trichloroethane	1	0	0	20	0*	52	146
1,2-Dibromoethane	1	0	0	20	0*	55	140
1,3-Dichloropropane	1	0	0	20	0*	54	142
4-Methyl-2-Pentanone	1	0	0	20	0*	41	158
2-Hexanone	1	0	0	20	0*	39	163
Tetrachloroethene	1	0	0	20	0*	48	156
Toluene	**1**	**0**	**0**	**20**	**0***	**49**	**153**
1,1,1,2-Tetrachloroethane	1	0	0	20	0*	51	140
Chlorobenzene	1	0	0	20	0*	43	155

* - 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: MBS120045

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	0	0	20	0*	21	181
n-Amyl acetate	1	0	0	20	0*	20	182
Bromoform	1	0	0	20	0*	47	137
Ethylbenzene	**1**	**0**	**0**	**20**	**0***	**41**	**153**
1,1,2,2-Tetrachloroethane	1	0	0	20	0*	36	152
Styrene	1	0	0	20	0*	34	170
m&p-Xylenes	**1**	**0**	**0**	**40**	**0***	**16**	**184**
o-Xylene	**1**	**0**	**0**	**20**	**0***	**31**	**166**
trans-1,4-Dichloro-2-butene	1	0	0	20	0*	10	154
1,3-Dichlorobenzene	1	0	0	20	0*	46	147
1,4-Dichlorobenzene	1	0	0	20	0*	37	156
1,2-Dichlorobenzene	1	0	0	20	0*	42	150
Isopropylbenzene	**1**	**0**	**0**	**20**	**0***	**32**	**174**
Cyclohexanone	1	0	0	100	0*	10	254
Camphene	1	0	0	20	0*	10	172
1,2,3-Trichloropropane	1	0	0	20	0*	20	164
2-Chlorotoluene	1	0	0	20	0*	43	153
p-Ethyltoluene	1	0	0	20	0*	36	164
4-Chlorotoluene	1	0	0	20	0*	34	160
n-Propylbenzene	**1**	**0**	**0**	**20**	**0***	**36**	**170**
Bromobenzene	1	0	0	20	0*	44	142
1,3,5-Trimethylbenzene	**1**	**0**	**0**	**20**	**0***	**37**	**165**
Butyl methacrylate	1	0	0	20	0*	30	169
t-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**48**	**152**
1,2,4-Trimethylbenzene	**1**	**0**	**0**	**20**	**0***	**38**	**162**
sec-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**42**	**164**
4-Isopropyltoluene	**1**	**0**	**0**	**20**	**0***	**40**	**162**
n-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**30**	**176**
p-Diethylbenzene	1	0	0	20	0*	23	179
1,2,4,5-Tetramethylbenzene	1	0	0	20	0*	18	177
1,2-Dibromo-3-Chloropropane	1	0	0	20	0*	32	154
Camphor	1	0	0	200	0*	10	202
Hexachlorobutadiene	1	0	0	20	0*	23	181
1,2,4-Trichlorobenzene	1	0	0	20	0*	28	169
1,2,3-Trichlorobenzene	1	0	0	20	0*	30	172
Naphthalene	1	0	0	20	0*	13	191

* - 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: MBS120045

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M205981.D	AD47849-001(50X)(T:MSD)	11/14/2024 8:25:00 PM
Duplicate(If applicable):	2M205980.D	AD47849-001(50X)(T:MS)	11/14/2024 8:06:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	0	0	NA	78
Dichlorodifluoromethane	1	0	0	NA	62
Chloromethane	1	0	0	NA	67
Bromomethane	1	0	0	NA	65
Vinyl Chloride	1	0	0	NA	55
Chloroethane	1	0	0	NA	59
Trichlorofluoromethane	1	0	0	NA	56
Ethyl ether	1	0	0	NA	55
Furan	1	0	0	NA	55
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	NA	58
Methylene Chloride	1	0	0	NA	36
Acrolein	1	0	0	NA	66
Acrylonitrile	1	0	0	NA	59
Iodomethane	1	0	0	NA	66
Acetone	1	0	0	NA	85
Carbon Disulfide	1	0	0	NA	61
t-Butyl Alcohol	1	0	0	NA	78
n-Hexane	1	0	0	NA	56
Di-isopropyl-ether	1	0	0	NA	54
1,1-Dichloroethene	1	0	0	NA	56
Methyl Acetate	1	0	0	NA	71
Methyl-t-butyl ether	**1**	**0**	**0**	**NA**	**53**
1,1-Dichloroethane	1	0	0	NA	54
trans-1,2-Dichloroethene	1	0	0	NA	54
Ethyl-t-butyl ether	1	0	0	NA	53
cis-1,2-Dichloroethene	1	0	0	NA	53
Bromochloromethane	1	0	0	NA	54
2,2-Dichloropropane	1	0	0	NA	55
Ethyl acetate	1	0	0	NA	56
1,4-Dioxane	1	0	0	NA	95
1,1-Dichloropropene	1	0	0	NA	54
Chloroform	1	0	0	NA	53
Cyclohexane	1	0	0	NA	55
1,2-Dichloroethane	1	0	0	NA	52
2-Butanone	1	0	0	NA	58
1,1,1-Trichloroethane	1	0	0	NA	54
Carbon Tetrachloride	1	0	0	NA	54
Vinyl Acetate	1	0	0	NA	55
Bromodichloromethane	1	0	0	NA	53
Methylcyclohexane	1	0	0	NA	55
Dibromomethane	1	0	0	NA	53
1,2-Dichloropropane	1	0	0	NA	53
Trichloroethene	1	0	0	NA	54
Benzene	**1**	**0**	**0**	**NA**	**52**
tert-Amyl methyl ether	1	0	0	NA	52
Iso-propylacetate	1	0	0	NA	54
Methyl methacrylate	1	0	0	NA	55
Dibromochloromethane	1	0	0	NA	52
2-Chloroethylvinylether	1	0	0	NA	224
cis-1,3-Dichloropropene	1	0	0	NA	53
trans-1,3-Dichloropropene	1	0	0	NA	53
Ethyl methacrylate	1	0	0	NA	55
1,1,2-Trichloroethane	1	0	0	NA	52
1,2-Dibromoethane	1	0	0	NA	52
1,3-Dichloropropane	1	0	0	NA	53
4-Methyl-2-Pentanone	1	0	0	NA	69
2-Hexanone	1	0	0	NA	54
Tetrachloroethene	1	0	0	NA	53
Toluene	**1**	**0**	**0**	**NA**	**53**
1,1,1,2-Tetrachloroethane	1	0	0	NA	53
Chlorobenzene	1	0	0	NA	53

* - 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: MBS120045

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	0	0	NA	72
n-Amyl acetate	1	0	0	NA	72
Bromoform	1	0	0	NA	54
Ethylbenzene	**1**	**0**	**0**	**NA**	**57**
1,1,2,2-Tetrachloroethane	1	0	0	NA	58
Styrene	1	0	0	NA	56
m&p-Xylenes	**1**	**0**	**0**	**NA**	**107**
o-Xylene	**1**	**0**	**0**	**NA**	**55**
trans-1,4-Dichloro-2-butene	1	0	0	NA	71
1,3-Dichlorobenzene	1	0	0	NA	53
1,4-Dichlorobenzene	1	0	0	NA	68
1,2-Dichlorobenzene	1	0	0	NA	53
Isopropylbenzene	**1**	**0**	**0**	**NA**	**53**
Cyclohexanone	1	0	0	NA	77
Camphene	1	0	0	NA	68
1,2,3-Trichloropropane	1	0	0	NA	54
2-Chlorotoluene	1	0	0	NA	55
p-Ethyltoluene	1	0	0	NA	56
4-Chlorotoluene	1	0	0	NA	55
n-Propylbenzene	**1**	**0**	**0**	**NA**	**51**
Bromobenzene	1	0	0	NA	72
1,3,5-Trimethylbenzene	**1**	**0**	**0**	**NA**	**56**
Butyl methacrylate	1	0	0	NA	83
t-Butylbenzene	**1**	**0**	**0**	**NA**	**70**
1,2,4-Trimethylbenzene	**1**	**0**	**0**	**NA**	**72**
sec-Butylbenzene	**1**	**0**	**0**	**NA**	**54**
4-Isopropyltoluene	**1**	**0**	**0**	**NA**	**69**
n-Butylbenzene	**1**	**0**	**0**	**NA**	**55**
p-Diethylbenzene	1	0	0	NA	70
1,2,4,5-Tetramethylbenzene	1	0	0	NA	51
1,2-Dibromo-3-Chloropropane	1	0	0	NA	56
Camphor	1	0	0	NA	127
Hexachlorobutadiene	1	0	0	NA	69
1,2,4-Trichlorobenzene	1	0	0	NA	87
1,2,3-Trichlorobenzene	1	0	0	NA	81
Naphthalene	1	0	0	NA	80

* - 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: 2M205966.D
Matrix: Aqueous

Blank Analysis Date: 11/14/24 15:33
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD48093-001	2M205992.D	11/14/24 23:59
AD48093-003	2M205973.D	11/14/24 17:49
MBS120045	2M205969.D	11/14/24 16:31
AD47849-001(50X)	2M205981.D	11/14/24 20:25
AD47849-001(50X)	2M205980.D	11/14/24 20:06
AD47849-001(50X)	2M205971.D	11/14/24 17:10

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 2M206002.D
Matrix: Aqueous

Blank Analysis Date: 11/15/24 03:04
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD48093-002	2M206003.D	11/15/24 03:24
MBS120047	2M206012.D	11/15/24 06:20

Form 5

Tune Name: BFB TUNE **Data File:** 2M205516.D
Instrument: GCMS 2 **Analysis Date:** 11/06/24 19:00
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.330 to 7.373 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.1	6636	PASS
75	95	30	60	58.9	16209	PASS
95	95	100	100	100.0	27509	PASS
96	95	5	9	6.6	1803	PASS
173	174	0.00	2	0.1	16	PASS
174	95	50	100	94.2	25916	PASS
175	174	5	9	8.0	2079	PASS
176	174	95	101	95.5	24762	PASS
177	176	5	9	6.6	1631	PASS

Data File	Sample Number	Analysis Date:
2M205518.D	CAL @ 0.5 PPB	11/06/24 19:35
2M205519.D	1 PPB	11/06/24 19:54
2M205520.D	CAL @ 5 PPB	11/06/24 20:14
2M205521.D	CAL @ 10 PPB	11/06/24 20:33
2M205523.D	CAL @ 1 PPB	11/06/24 21:13
2M205524.D	CAL @ 20 PPB	11/06/24 21:32
2M205526.D	CAL @ 50 PPB	11/06/24 22:11
2M205528.D	CAL @ 100 PPB	11/06/24 22:50
2M205531.D	CAL @ 250 PPB	11/06/24 23:48
2M205534.D	CAL @ 500 PPB	11/07/24 00:47
2M205541.D	ICV	11/07/24 03:02

Form 5

Tune Name: BFB TUNE **Data File:** 2M205959.D
Instrument: GCMS 2 **Analysis Date:** 11/14/24 13:21
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.330 to 7.354 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.6	4593	PASS
75	95	30	60	54.9	12248	PASS
95	95	100	100	100.0	22316	PASS
96	95	5	9	7.7	1711	PASS
173	174	0.00	2	0.0	1	PASS
174	95	50	100	98.0	21863	PASS
175	174	5	9	8.2	1789	PASS
176	174	95	101	98.4	21507	PASS
177	176	5	9	6.4	1370	PASS

Data File	Sample Number	Analysis Date:
2M205961.D	CAL @ 20 PPB	11/14/24 13:56
2M205962.D	20 PPB	11/14/24 14:15
2M205964.D	RINSE	11/14/24 14:54
2M205965.D	DAILY BLANK	11/14/24 15:13
2M205966.D	DAILY BLANK	11/14/24 15:33
2M205967.D	AD48092-010	11/14/24 15:52
2M205968.D	AD48090-001	11/14/24 16:12
2M205969.D	MBS120045	11/14/24 16:31
2M205970.D	MBS120046	11/14/24 16:51
2M205971.D	AD47849-001(50X)	11/14/24 17:10
2M205972.D	AD48093-002	11/14/24 17:30
2M205973.D	AD48093-003	11/14/24 17:49
2M205974.D	AD47955-007	11/14/24 18:08
2M205975.D	AD48090-003	11/14/24 18:28
2M205976.D	AD48090-004	11/14/24 18:47
2M205977.D	AD48090-005	11/14/24 19:07
2M205978.D	RINSE-DI	11/14/24 19:26
2M205979.D	AD48090-002(5X)	11/14/24 19:46
2M205980.D	AD47849-001(50X)	11/14/24 20:06
2M205981.D	AD47849-001(50X)	11/14/24 20:25
2M205982.D	AD48106-002	11/14/24 20:45
2M205983.D	AD48106-001	11/14/24 21:04
2M205984.D	AD48092-002	11/14/24 21:23
2M205985.D	AD48092-001	11/14/24 21:43
2M205986.D	AD48092-006	11/14/24 22:02
2M205987.D	AD48092-007	11/14/24 22:22
2M205988.D	AD48092-009	11/14/24 22:41
2M205989.D	AD48100-001	11/14/24 23:01
2M205990.D	AD48100-002	11/14/24 23:20
2M205991.D	AD48100-003	11/14/24 23:39
2M205992.D	AD48093-001	11/14/24 23:59
2M205993.D	AD48092-006	11/15/24 00:18
2M205994.D	AD48092-002	11/15/24 00:38
2M205995.D	AD48100-001	11/15/24 00:57

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M205996.D
Analysis Date: 11/15/24 01:12
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.348 to 7.348 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	19.1	7279	PASS
75	95	30	60	51.4	19616	PASS
95	95	100	100	100.0	38152	PASS
96	95	5	9	6.8	2609	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	88.7	33856	PASS
175	174	5	9	8.8	2969	PASS
176	174	95	101	99.4	33664	PASS
177	176	5	9	7.2	2426	PASS

Data File	Sample Number	Analysis Date:
2M205997.D	CAL @ 20 PPB	11/15/24 01:27
2M205999.D	RINSE	11/15/24 02:06
2M206000.D	RINSE-HCL	11/15/24 02:25
2M206001.D	DAILY BLANK	11/15/24 02:45
2M206002.D	DAILY BLANK	11/15/24 03:04
2M206003.D	AD48093-002	11/15/24 03:24
2M206004.D	AD48106-001	11/15/24 03:43
2M206005.D	AD48106-002	11/15/24 04:03
2M206006.D	AD48100-002	11/15/24 04:22
2M206007.D	AD48100-003	11/15/24 04:41
2M206008.D	AD48090-003	11/15/24 05:01
2M206009.D	AD48090-005(10X)	11/15/24 05:21
2M206010.D	AD48090-002(10X)	11/15/24 05:41
2M206011.D	MBS120050	11/15/24 06:00
2M206012.D	MBS120047	11/15/24 06:20
2M206013.D	AD47841-017(50X)	11/15/24 06:39
2M206014.D	AD47841-017(50X)	11/15/24 06:59
2M206015.D	AD47841-017(50X)	11/15/24 07:18
2M206016.D	AD48117-004	11/15/24 07:38
2M206017.D	AD48117-005	11/15/24 07:57
2M206018.D	AD48114-007	11/15/24 08:17
2M206019.D	AD48114-008	11/15/24 08:36
2M206020.D	AD48100-001	11/15/24 08:56
2M206021.D	AD48117-001	11/15/24 09:15
2M206022.D	AD48117-002	11/15/24 09:35
2M206023.D	AD48117-003	11/15/24 09:54
2M206024.D	AD48114-001	11/15/24 10:14
2M206025.D	AD48114-002	11/15/24 10:33
2M206026.D	AD48114-003	11/15/24 10:52
2M206027.D	AD48114-004	11/15/24 11:12
2M206028.D	AD48114-006	11/15/24 11:31
2M206029.D	AD48114-005	11/15/24 11:51

FORM8

Internal Standard Areas

Evaluation Std Data File: 2M205524.D Method: EPA 8260D

Analysis Date/Time: 11/06/24 21:32

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:	209636	5.09	176099	6.73	96012	8.01								
Eval File Area Limit:	104818-419272		88050-352198		48006-192024									
Eval File Rt Limit:	4.59-5.59		6.23-7.23		7.51-8.51									

Data File	Sample#						
2M205518.D	CAL @ 0.5 PPB	203350	5.09	168832	6.73	84547	8.01
2M205519.D	1 PPB	209721	5.09	175082	6.73	88054	8.01
2M205520.D	CAL @ 5 PPB	238747	5.09	203278	6.73	101934	8.01
2M205521.D	CAL @ 10 PPB	216915	5.09	174153	6.73	94119	8.01
2M205523.D	CAL @ 1 PPB	196597	5.09	166282	6.73	82745	8.01
2M205524.D	CAL @ 20 PPB	209636	5.09	176099	6.73	96012	8.01
2M205526.D	CAL @ 50 PPB	220394	5.09	187975	6.73	110519	8.01
2M205528.D	CAL @ 100 PPB	236728	5.09	204930	6.73	130046	8.01
2M205531.D	CAL @ 250 PPB	253073	5.09	237929	6.73	151966	8.01
2M205534.D	CAL @ 500 PPB	270635	5.09	250574	6.73	163150	8.02
2M205541.D	ICV	159619	5.09	137520	6.73	79645	8.01

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: 2M205961.D Method: EPA 8260D

Analysis Date/Time: 11/14/24 13:56

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:	180961	5.09	165790	6.73	125376	8.02								
Eval File Area Limit:	90480-361922		82895-331580		62688-250752									
Eval File Rt Limit:	4.59-5.59		6.23-7.23		7.52-8.52									

Data File	Sample#													
2M205962.D	20 PPB	193000	5.09	176174	6.73	131334	8.02							
2M205964.D	RINSE	178625	5.09	172213	6.73	120953	8.02							
2M205965.D	DAILY BLANK	176735	5.09	169703	6.73	118772	8.02							
2M205966.D	DAILY BLANK	182582	5.09	176159	6.73	130056	8.02							
2M205967.D	AD48092-010	211865	5.09	202026	6.73	143284	8.02							
2M205969.D	MBS120045	221307	5.09	206816	6.73	161523	8.02							
2M205970.D	MBS120046	183341	5.09	176974	6.73	128011	8.01							
2M205971.D	AD47849-001(50X)(T)	192973	5.09	189770	6.73	136724	8.02							
2M205972.D	AD48093-002	174909	5.09	167243	6.73	92865	8.02							
2M205973.D	AD48093-003	170852	5.09	164362	6.73	118965	8.02							
2M205974.D	AD47955-007	174641	5.09	165097	6.73	113830	8.02							
2M205978.D	RINSE-DI	213249	5.09	206099	6.73	151617	8.02							
2M205980.D	AD47849-001(50X)(T:	154787	5.09	148934	6.73	85329	8.02							
2M205981.D	AD47849-001(50X)(T:	192591	5.09	183700	6.73	103700	8.01							
2M205982.D	AD48106-002	173662	5.09	163740	6.73	118559	8.01							
2M205983.D	AD48106-001	174076	5.09	172012	6.73	133243	8.02							
2M205984.D	AD48092-002	172734	5.09	168223	6.73	128964	8.02							
2M205985.D	AD48092-001	162995	5.09	160201	6.73	92440	8.01							
2M205986.D	AD48092-006	203148	5.09	201728	6.73	135360	8.01							
2M205987.D	AD48092-007	171193	5.09	163555	6.73	117948	8.01							
2M205988.D	AD48092-009	170320	5.09	162719	6.73	126211	8.02							
2M205989.D	AD48100-001	180691	5.09	172355	6.73	122096	8.02							
2M205990.D	AD48100-002	177025	5.09	168484	6.73	118906	8.01							
2M205991.D	AD48100-003	171932	5.09	160549	6.73	87993	8.02							
2M205992.D	AD48093-001	178984	5.09	173587	6.73	96144	8.02							
2M205993.D	AD48092-006	188745	5.09	184873	6.73	102267	8.01							
2M205994.D	AD48092-002	171805	5.09	162100	6.73	88418	8.02							
2M205995.D	AD48100-001	182254	5.09	176574	6.73	127154	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: 2M205997.D Method: EPA 8260D

Analysis Date/Time: 11/15/24 01:27

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:	187547	5.09	214793	6.73	140940	8.01								
Eval File Area Limit:	93774-375094		107396-429586		70470-281880									
Eval File Rt Limit:	4.59-5.59		6.23-7.23		7.51-8.51									

Data File	Sample#													
2M205999.D	RINSE	183578	5.09	181342	6.73	104880	8.01							
2M206000.D	RINSE-HCL	184504	5.09	174968	6.73	97767	8.01							
2M206001.D	DAILY BLANK	222759	5.09	217305	6.73	124017	8.01							
2M206002.D	DAILY BLANK	178268	5.09	174626	6.73	96948	8.02							
2M206003.D	AD48093-002	213920	5.09	206616	6.73	112832	8.02							
2M206004.D	AD48106-001	178029	5.09	173348	6.73	97415	8.02							
2M206005.D	AD48106-002	215342	5.09	208878	6.73	115362	8.01							
2M206006.D	AD48100-002	182405	5.09	175032	6.73	99386	8.01							
2M206007.D	AD48100-003	210565	5.09	196128	6.73	106414	8.01							
2M206011.D	MBS120050	223604	5.09	213277	6.73	126960	8.01							
2M206012.D	MBS120047	214194	5.09	192658	6.73	111361	8.01							
2M206013.D	AD47841-017(50X)(T:	186765	5.09	182944	6.73	130912	8.02							
2M206014.D	AD47841-017(50X)(T:	175710	5.09	166434	6.73	120181	8.02							
2M206015.D	AD47841-017(50X)(T)	178957	5.09	177286	6.73	128739	8.02							
2M206016.D	AD48117-004	178867	5.09	173346	6.73	95936	8.02							
2M206017.D	AD48117-005	175877	5.09	169625	6.73	94903	8.02							
2M206018.D	AD48114-007	169931	5.09	159909	6.73	110945	8.01							
2M206019.D	AD48114-008	171957	5.09	164424	6.73	88768	8.02							
2M206020.D	AD48100-001	188479	5.09	183476	6.73	102216	8.02							
2M206021.D	AD48117-001	182832	5.09	176277	6.73	139699	8.02							
2M206022.D	AD48117-002	180411	5.09	175990	6.73	97373	8.02							
2M206023.D	AD48117-003	162116	5.09	154988	6.73	89759	8.02							
2M206024.D	AD48114-001	179227	5.09	172849	6.73	124020	8.02							
2M206025.D	AD48114-002	192658	5.09	184328	6.73	137774	8.02							
2M206026.D	AD48114-003	178135	5.09	170735	6.73	132259	8.02							
2M206027.D	AD48114-004	196712	5.09	192277	6.73	136981	8.01							
2M206028.D	AD48114-006	169574	5.09	164969	6.73	133602	8.02							
2M206029.D	AD48114-005	198107	5.09	190964	6.73	117207	8.01							

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.

GC/MS Volatile Data
Sample Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48093-001
Client Id: MW-1
Data File: 2M205992.D
Analysis Date: 11/14/24 23:59
Date Rec/Extracted: 11/12/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**12**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.51	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	**Acetone**	**5.0**	**11**	**127-18-4**	**Tetrachloroethene**	**1.0**	**2.5**
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	**156-60-5**	**trans-1,2-Dichloroethene**	**1.0**	**32**
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	**79-01-6**	**Trichloroethene**	**1.0**	**5.7**
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	**75-01-4**	**Vinyl Chloride**	**1.0**	**39**
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 761793 *Total Target Concentration* 100 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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD48093-001
Client Id: MW-1
Data File: 2M205992.D
Analysis Date: 11/14/24 23:59
Date Rec/Extracted: 11/12/24-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		unknown	2.27	4.5J
2		unknown	2.79	3.5J

Worksheet #: 761793

Total Tentatively Identified Concentration 8

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

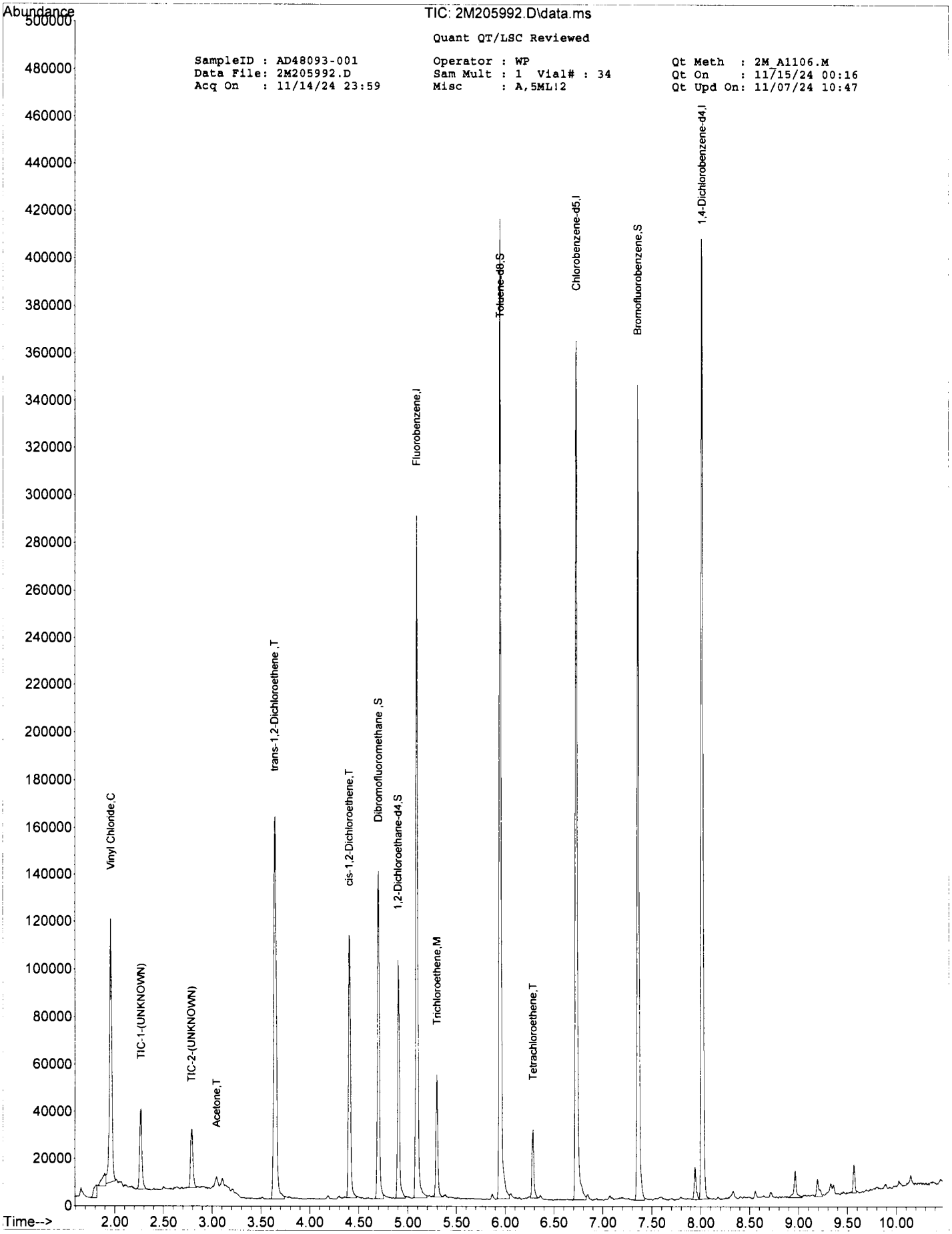
Quantitation Report (QT/LSC Reviewed)

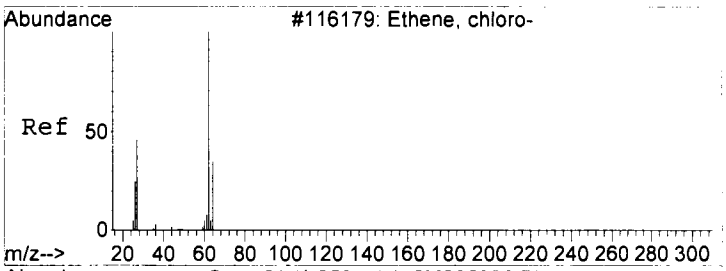
SampleID : AD48093-001 Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205992.D Sam Mult : 1 Vial# : 34 Qt On : 11/15/24 00:16
Acq On : 11/14/24 23:59 Misc : A,5ML!2 Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	178984	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.732	117	173587	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.019	152	96144	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	55970	29.25	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.50%			
39) 1,2-Dichloroethane-d4	4.904	67	23110	26.04	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.80%			
66) Toluene-d8	5.952	98	204006	26.69	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.97%			
76) Bromofluorobenzene	7.360	174	81663	32.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.53%			
Target Compounds						Qvalue
9) Vinyl Chloride	1.959	62	94857m	38.5452	ug/l	
19) Acetone	3.044	43	6383m	10.9647	ug/l	
28) trans-1,2-Dichloroethene	3.642	96	64022	31.9698	ug/l	93
30) cis-1,2-Dichloroethene	4.404	61	42784	12.1962	ug/l	84
49) Trichloroethene	5.300	130	13063	5.6578	ug/l	93
65) Tetrachloroethene	6.287	164	4913	2.4763	ug/l	96
Library Search Internal Standards TIC Results						
1) Fluorobenzene	5.093		371705	30.00	ug/l	--
2) Chlorobenzene-d5	6.732		496575	30.00	ug/l	--
3) 1,4-Dichlorobenzene-d4	8.013		529633	30.00	ug/l	--
Library Search Compounds						
1) UNKNOWN	2.270		56019	4.52	ug/l	--
2) UNKNOWN	2.790		43339	3.50	ug/l	--

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

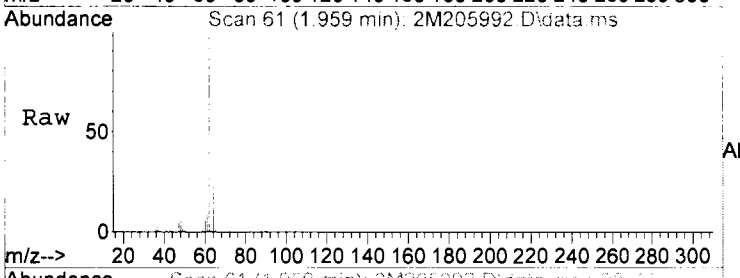

Abundance
TIC: 2M205992.D\data.ms
Quant QT/LSC Reviewed
SampleID : AD48093-001
Data File: 2M205992.D
Acq On : 11/14/24 23:59
Operator : WP
Sam Mult : 1 Vial# : 34
Misc : A,5ML!2
Qt Meth : 2M_A1106.M
Qt On : 11/15/24 00:16
Qt Upd On: 11/07/24 10:47
Vinyl Chloride,C
TIC-1-(UNKNOWN)
TIC-2-(UNKNOWN)
Acetone,T
trans-1,2-Dichloroethene,T
cis-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Trichloroethene,M
Toluene-d8,S
Tetrachloroethene,T
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

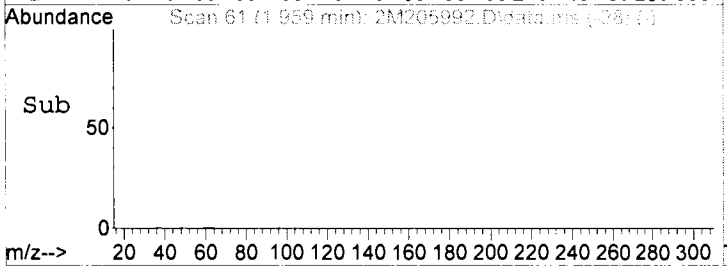


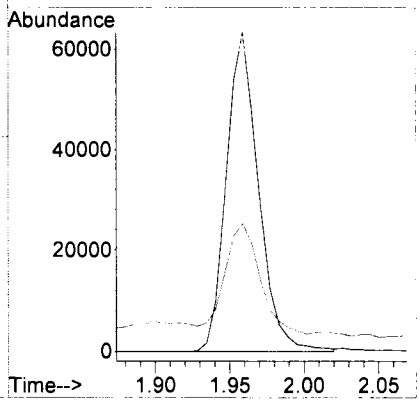
#9
Vinyl Chloride
Concen: 38.55 ug/l m
RT: 1.959 min Scan# 61
Delta R.T. -0.000 min
Lab File: 2M205992.D
Acq: 14 Nov 2024 23:59

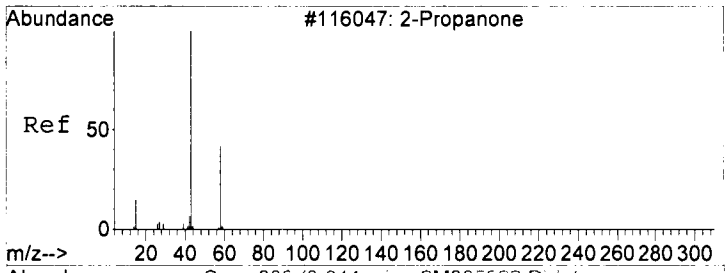
Tgt Ion: 62 Resp: 94857

Ion	Ratio	Lower	Upper
62	100		
64	39.8	0.0	71.2





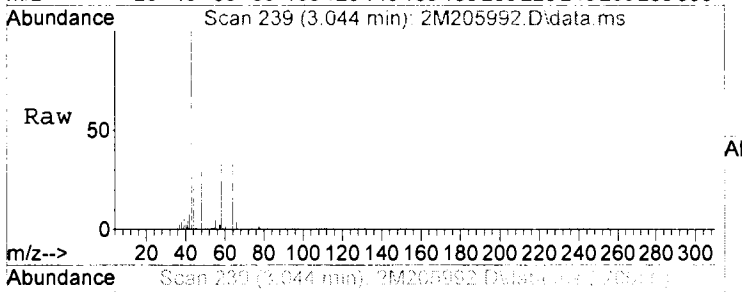


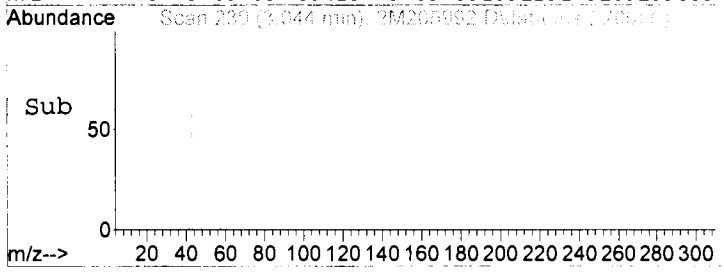


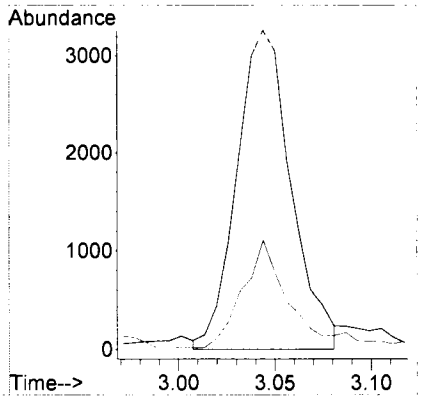
#19
Acetone
Concen: 10.96 ug/l m
RT: 3.044 min Scan# 239
Delta R.T. -0.000 min
Lab File: 2M205992.D
Acq: 14 Nov 2024 23:59

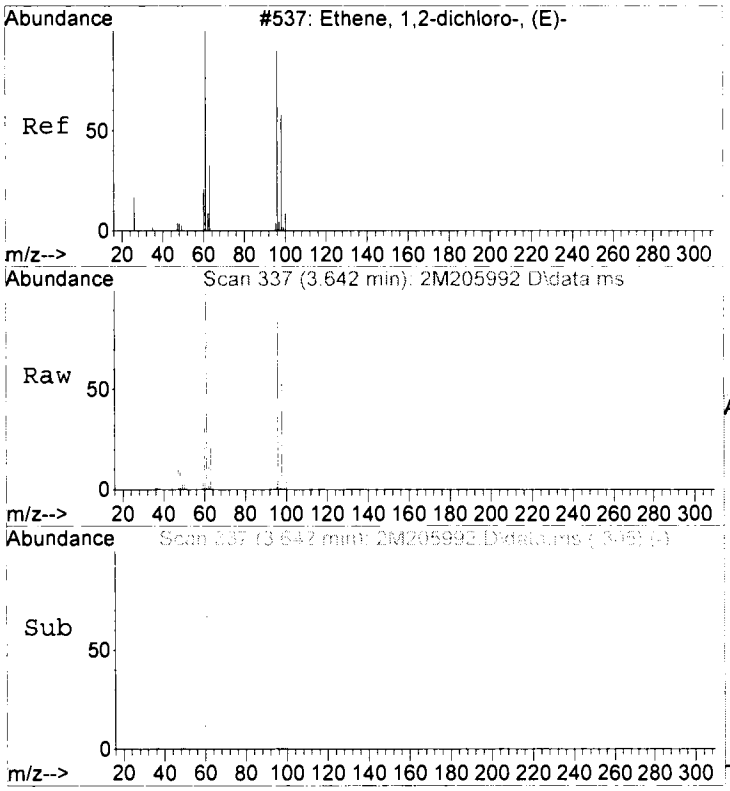
Tgt Ion: 43 Resp: 6383

Ion	Ratio	Lower	Upper
43	100		
58	34.0	0.0	71.6





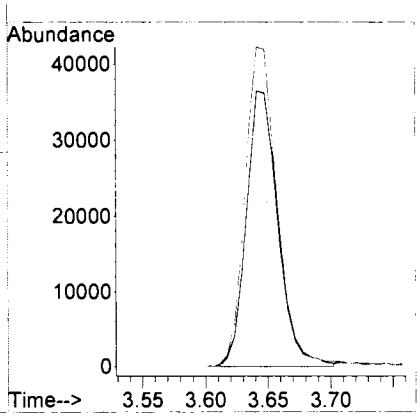


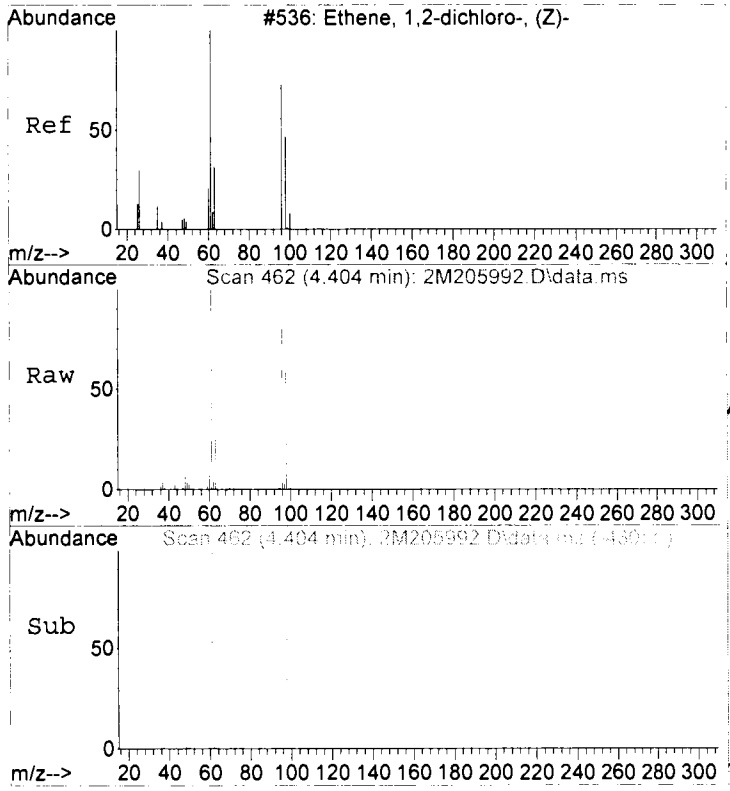


#28
trans-1,2-Dichloroethene
Concen: 31.97 ug/l
RT: 3.642 min Scan# 337
Delta R.T. -0.006 min
Lab File: 2M205992.D
Acq: 14 Nov 2024 23:59

Tgt Ion: 96 Resp: 64022

Ion	Ratio	Lower	Upper
96	100		
61	115.9	51.5	201.5
98	61.9	23.0	103.0

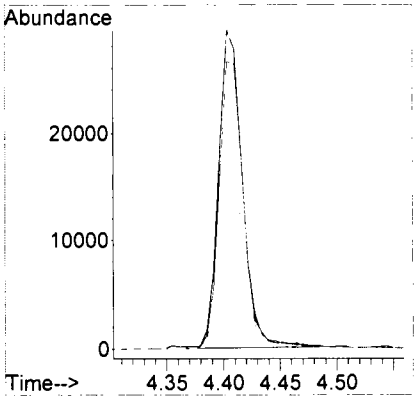


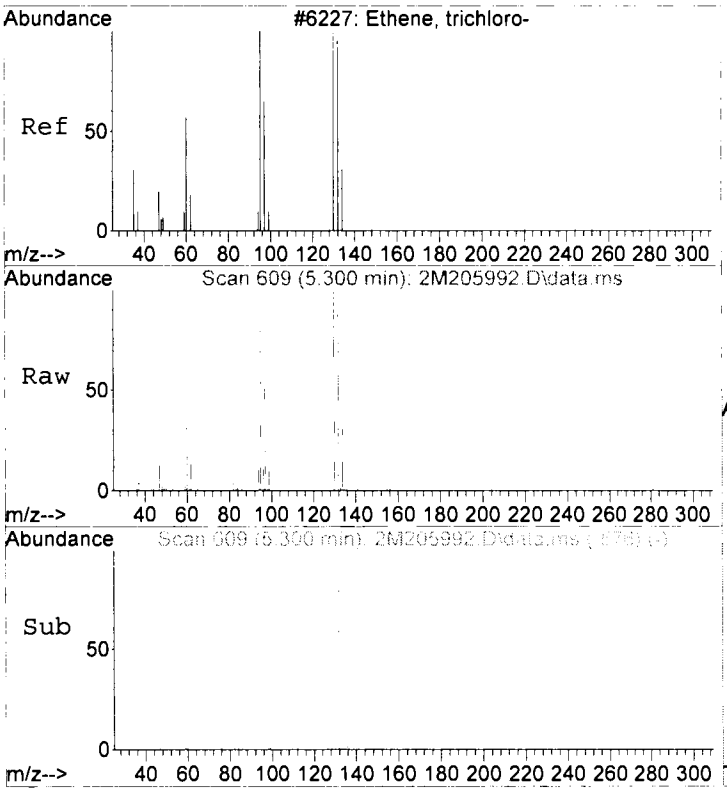


#30
cis-1,2-Dichloroethene
Concen: 12.20 ug/l
RT: 4.404 min Scan# 462
Delta R.T. -0.006 min
Lab File: 2M205992.D
Acq: 14 Nov 2024 23:59

Tgt Ion: 61 Resp: 42784

Ion	Ratio	Lower	Upper
61	100		
96	90.7	38.2	118.2
98	59.7	7.8	87.8

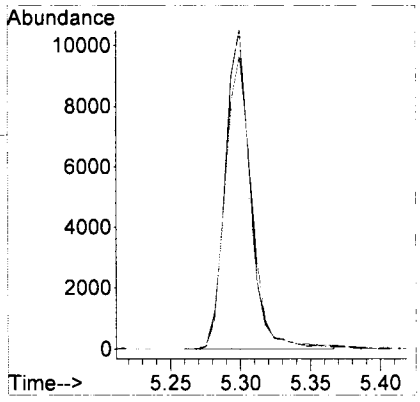


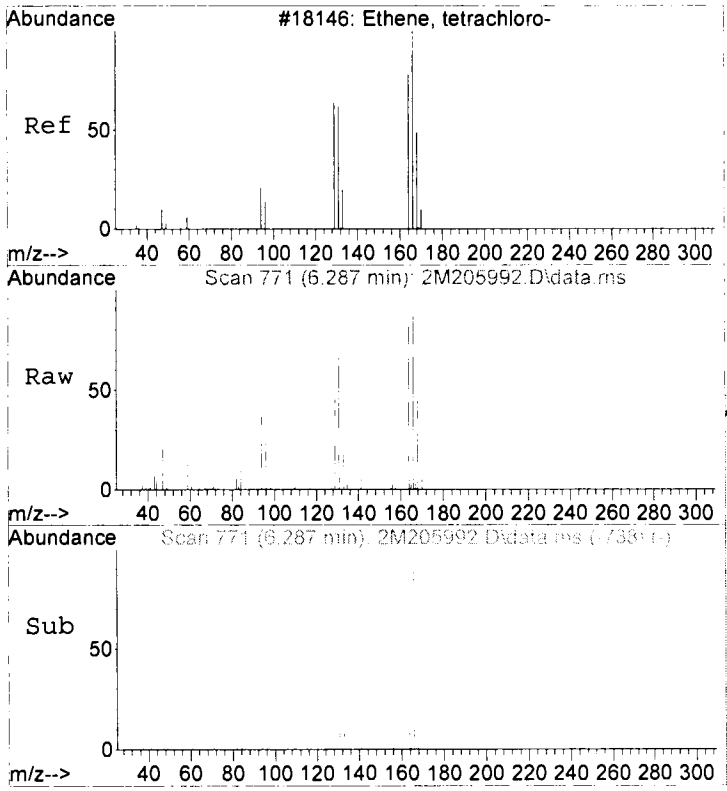


#49
Trichloroethene
Concen: 5.66 ug/l
RT: 5.300 min Scan# 609
Delta R.T. -0.000 min
Lab File: 2M205992.D
Acq: 14 Nov 2024 23:59

Tgt Ion:130 Resp: 13063

Ion	Ratio	Lower	Upper
130	100		
132	91.7	56.0	136.0
95	80.8	39.3	139.3

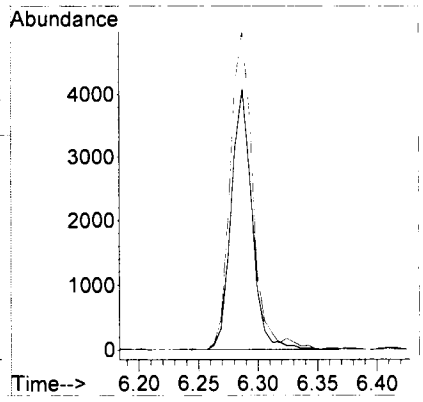




#65
Tetrachloroethene
Concen: 2.48 ug/l
RT: 6.287 min Scan# 771
Delta R.T. -0.000 min
Lab File: 2M205992.D
Acq: 14 Nov 2024 23:59

Tgt Ion:164 Resp: 4913

Ion	Ratio	Lower	Upper
164	100		
166	122.0	56.0	196.0



LSC Area Percent Report

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205992.D
Acq On : 14 Nov 2024 23:59
Operator : WP
Sample : AD48093-001
Misc : A,5ML!2
ALS Vial : 34 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Title : @GCMS_2,ug,624,8260

Signal : TIC: 2M205992.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.813	28	37	38	rBV	5353	12410	2.35%	0.346%
2	1.898	41	51	53	rBV	5271	14850	2.81%	0.414%
3	1.959	53	61	69	rVB	110799	176659	33.41%	4.921%
4	2.270	106	112	121	rVB	34234	56019	10.59%	1.560%
5	2.794	192	198	206	rBV	24813	43339	8.20%	1.207%
6	3.648	331	338	353	rBV	161669	287481	54.37%	8.008%
7	4.404	457	462	474	rBV	110700	163867	30.99%	4.565%
8	4.702	505	511	519	rBV	138348	190069	35.95%	5.294%
9	4.904	539	544	556	rBV	100560	130881	24.75%	3.646%
10	5.093	570	575	592	rBV	288158	369347	69.85%	10.288%
11	5.300	603	609	619	rVB	52053	68206	12.90%	1.900%
12	5.952	711	716	731	rBV	413508	525795	99.44%	14.646%
13	6.287	766	771	780	rVB	29006	37995	7.19%	1.058%
14	6.732	838	844	860	rBV	363116	495025	93.62%	13.789%
15	7.360	941	947	958	rBV	344522	423289	80.06%	11.791%
16	7.940	1038	1042	1049	rBV3	13540	18891	3.57%	0.526%
17	8.013	1049	1054	1066	rVV	405627	528737	100.00%	14.728%
18	8.964	1199	1210	1222	rBV4	11176	19469	3.68%	0.542%
19	9.195	1242	1248	1256	rBV5	7260	13606	2.57%	0.379%
20	9.567	1305	1309	1313	rBV3	11823	14005	2.65%	0.390%

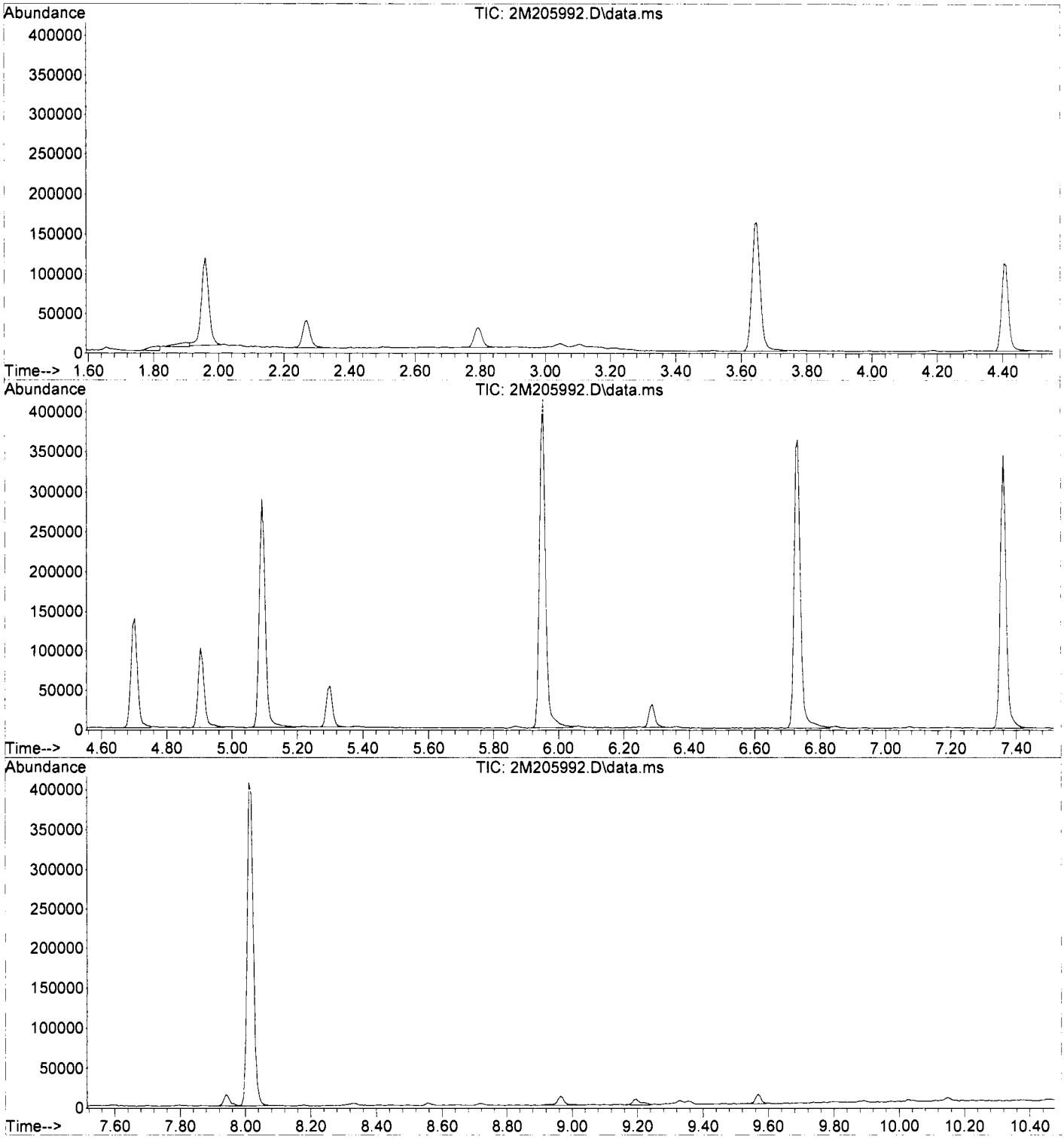
Sum of corrected areas: 3589940

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205992.D
Acq On : 14 Nov 2024 23:59
Operator : WP
Sample : AD48093-001
Misc : A,5ML!2
ALS Vial : 34 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205992.D
Acq On : 14 Nov 2024 23:59
Operator : WP
Sample : AD48093-001
Misc : A,5ML!2
ALS Vial : 34 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

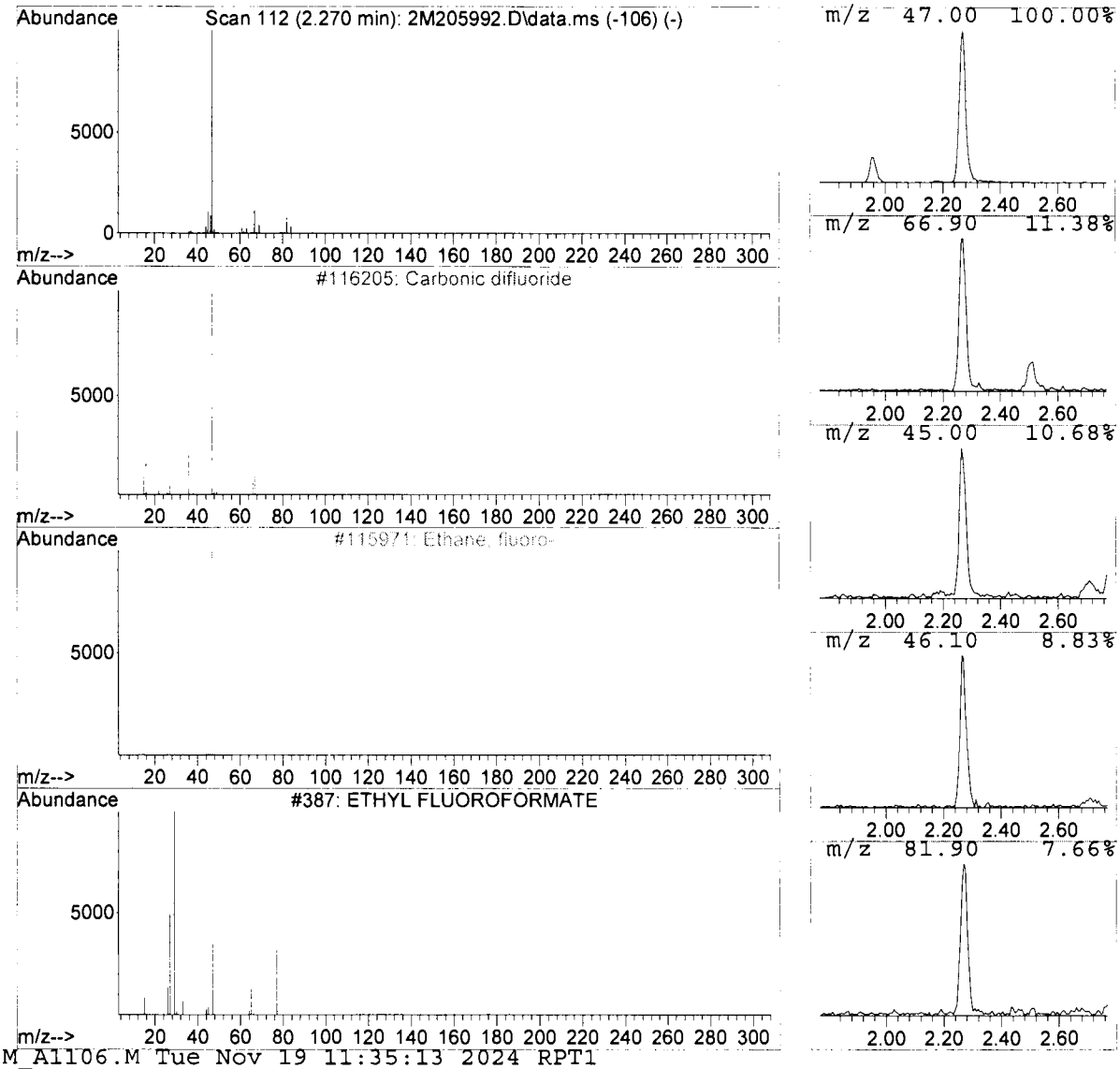
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 unknown Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.27	4.52 ug/l	56019	LibIS-Fluorobenzene	5.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Carbonic difluoride	66	CF2O	000353-50-4	2
2	Ethane, fluoro-	48	C2H5F	000353-36-6	4
3	ETHYL FLUOROFORMATE	92	C3H5FO2	000461-64-3	2
4	2-Fluoro-2-bromo-butane	154	C4H8BrF	000000-00-0	1
5	Methoxyamine	47	CH5NO	000067-62-9	4



Library Search Compound Report

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205992.D
Acq On : 14 Nov 2024 23:59
Operator : WP
Sample : AD48093-001
Misc : A,5ML!2
ALS Vial : 34 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

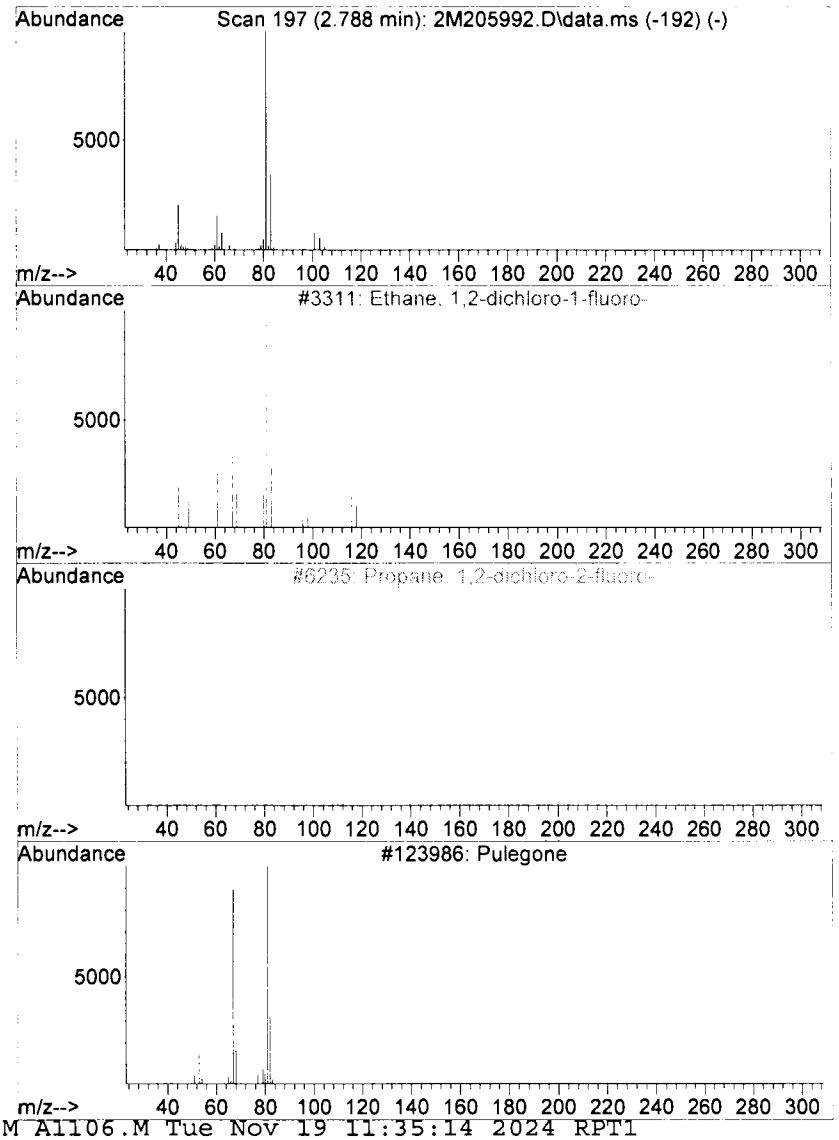
TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

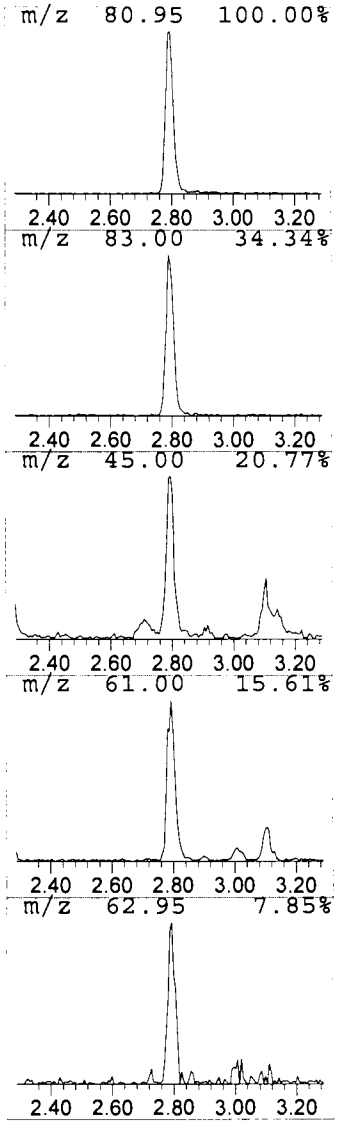
****

Peak Number 2 unknown Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	3.50 ug/l	43339	LibIS-Fluorobenzene	5.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,2-dichloro-1-fluoro-	116	C2H3Cl2F	000430-57-9	9
2	Propane, 1,2-dichloro-2-fluoro-	130	C3H5Cl2F	000420-97-3	4
3	Pulegone	152	C10H16O	000089-82-7	2
4	ETHYL FURFURYLSULFIDE	142	C7H10OS	000000-00-0	2
5	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	7





Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205992.D
Acq On : 14 Nov 2024 23:59
Operator : WP
Sample : AD48093-001
Misc : A,5ML!2
ALS Vial : 34 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	ExpRT	ActRt	Resp	Conc
unknown	2.27	4.5	ug/l	56019	1	5.09	5.09	371705	30.0
unknown	2.79	3.5	ug/l	43339	1	5.09	5.09	371705	30.0

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48093-002
Client Id: FB20241112
Data File: 2M206003.D
Analysis Date: 11/15/24 03:24
Date Rec/Extracted: 11/12/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.51	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 761793

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 usea

Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD48093-002
Client Id: FB20241112
Data File: 2M206003.D
Analysis Date: 11/15/24 03:24
Date Rec/Extracted: 11/12/24-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 761793

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Quantitation Report (QT Reviewed)

SampleID : AD48093-002 Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M206003.D Sam Mult : 1 Vial# : 29 Qt On : 11/15/24 10:41
Acq On : 11/15/24 03:24 Misc : A,5ML!2 Qt Upd On: 11/07/24 10:47

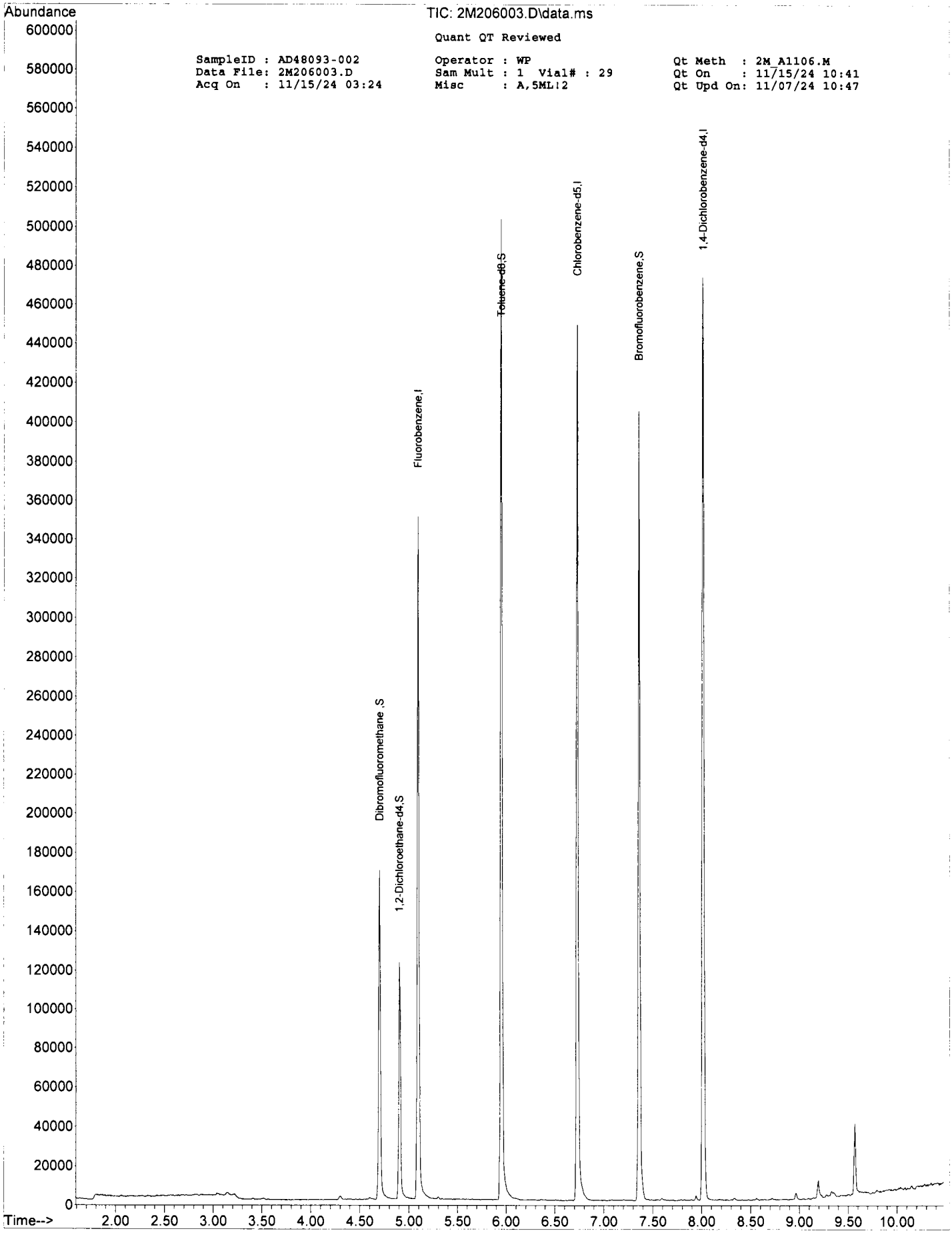
Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	213920	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	206616	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.019	152	112832	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	66350	29.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.70%			
39) 1,2-Dichloroethane-d4	4.904	67	28448	26.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.40%			
66) Toluene-d8	5.952	98	244430	26.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.53%			
76) Bromofluorobenzene	7.360	174	96799	33.19	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.63%			

Target Compounds Qvalue

No Library Search Compounds Found

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


Abundance
TIC: 2M206003.D\data.ms
Quant QT Reviewed
SampleID : AD48093-002
Data File: 2M206003.D
Acq On : 11/15/24 03:24
Operator : WP
Sam Mult : 1 Vial# : 29
Misc : A,5ML!2
Qt Meth : 2M_A1106.M
Qt On : 11/15/24 10:41
Qt Upd On: 11/07/24 10:47
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Data File : 2M206003.D
Acq On : 15 Nov 2024 03:24
Operator : WP
Sample : AD48093-002
Misc : A,5ML!2
ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Title : @GCMS_2,ug,624,8260

Signal : TIC: 2M206003.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.702	504	511	526	rBV	167898	225544	35.94%	7.054%
2	4.904	539	544	556	rBV	120942	154488	24.62%	4.832%
3	5.093	570	575	594	rBV	348311	438018	69.80%	13.700%
4	5.952	711	716	738	rBV	501145	627567	100.00%	19.628%
5	6.733	837	844	866	rBV	447402	583240	92.94%	18.242%
6	7.360	942	947	960	rBV	403425	493683	78.67%	15.441%
7	8.013	1049	1054	1068	rBV	471916	617228	98.35%	19.305%
8	9.196	1242	1248	1257	rBV4	9098	14133	2.25%	0.442%
9	9.567	1305	1309	1317	rBV	36217	43329	6.90%	1.355%

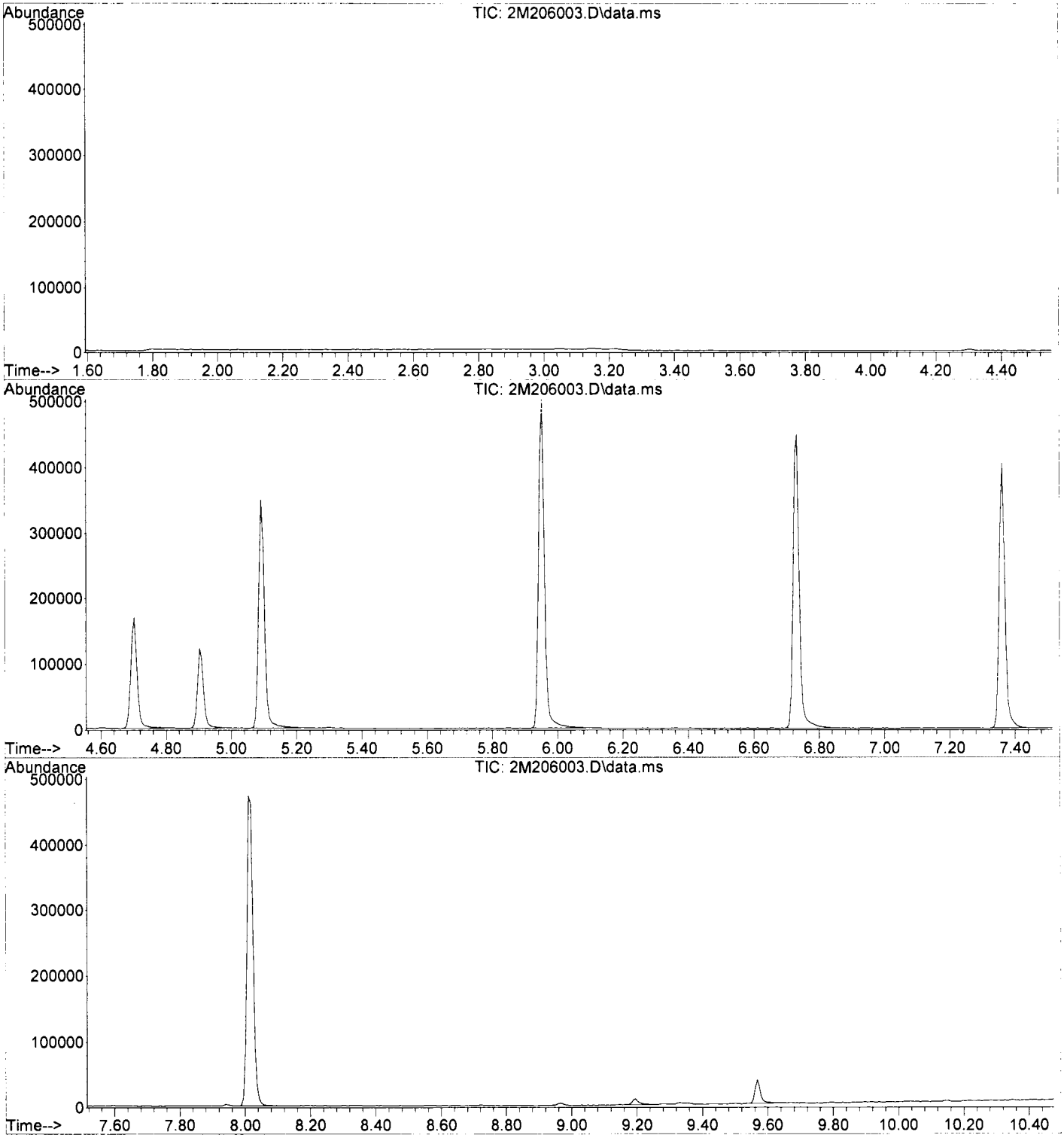
Sum of corrected areas: 3197230

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Data File : 2M206003.D
Acq On : 15 Nov 2024 03:24
Operator : WP
Sample : AD48093-002
Misc : A,5ML!2
ALS Vial : 29 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Data File : 2M206003.D
Acq On : 15 Nov 2024 03:24
Operator : WP
Sample : AD48093-002
Misc : A,5ML!2
ALS Vial : 29 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD48093-003
Client Id: TB20241112
Data File: 2M205973.D
Analysis Date: 11/14/24 17:49
Date Rec/Extracted: 11/12/24-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.51	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	**Acetone**	**5.0**	**6.4**	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 761793

Total Target Concentration 6.4

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD48093-003
Client Id: TB20241112
Data File: 2M205973.D
Analysis Date: 11/14/24 17:49
Date Rec/Extracted: 11/12/24-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 761793

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Quantitation Report (QT Reviewed)

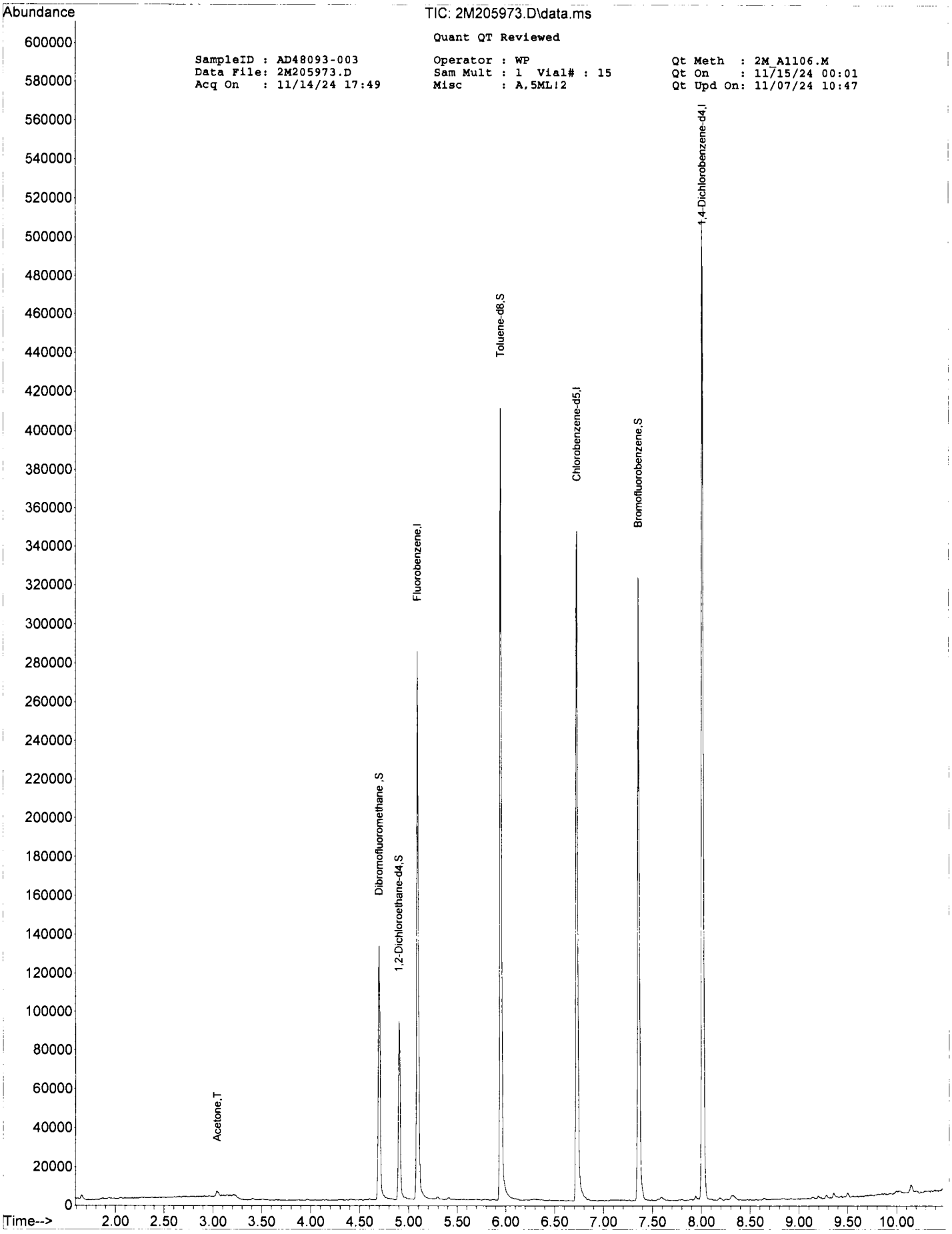
SampleID : AD48093-003 Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205973.D Sam Mult : 1 Vial# : 15 Qt On : 11/15/24 00:01
Acq On : 11/14/24 17:49 Misc : A,5ML!2 Qt Upd On: 11/07/24 10:47

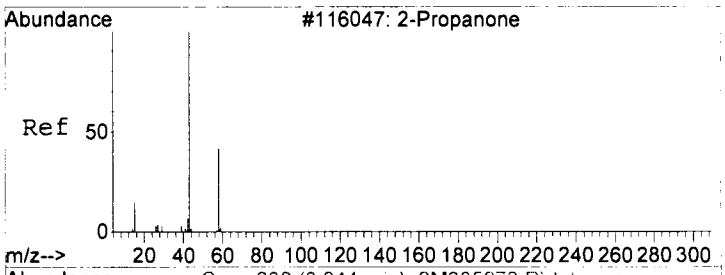
Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

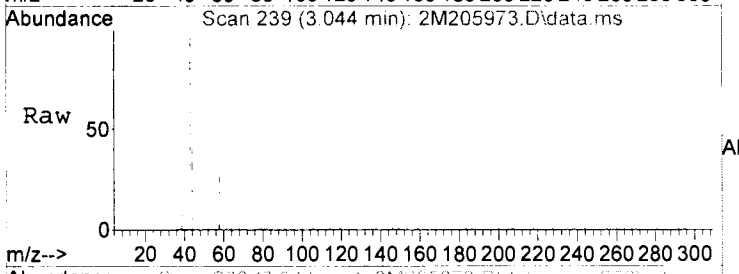
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	170852	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	164362	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.019	152	118965	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	53227	29.14	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.13%			
39) 1,2-Dichloroethane-d4	4.904	67	22596	26.67	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.90%			
66) Toluene-d8	5.952	98	194987	26.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.80%			
76) Bromofluorobenzene	7.361	174	77298	25.13	ug/l	0.00
Spiked Amount 30.000			Recovery = 83.77%			
Target Compounds						Qvalue
19) Acetone	3.044	43	3534m	6.3596	ug/l	

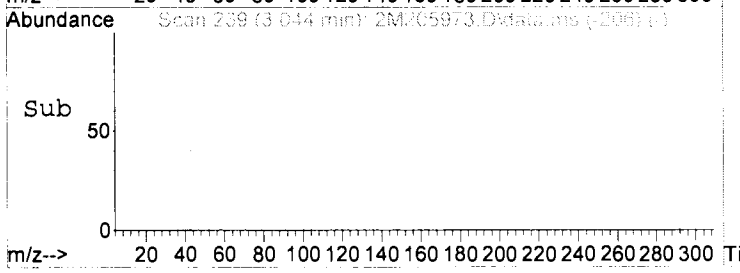
No Library Search Compounds Found

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


Abundance
TIC: 2M205973.D\data.ms
Quant QT Reviewed
SampleID : AD48093-003
Data File: 2M205973.D
Acq On : 11/14/24 17:49
Operator : WP
Sam Mult : 1 Vial# : 15
Misc : A,5ML!2
Qt Meth : 2M_A1106.M
Qt On : 11/15/24 00:01
Qt Upd On: 11/07/24 10:47
Acetone,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->



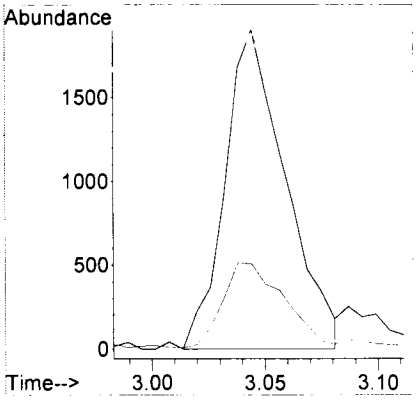




#19
Acetone
Concen: 6.36 ug/l m
RT: 3.044 min Scan# 239
Delta R.T. -0.000 min
Lab File: 2M205973.D
Acq: 14 Nov 2024 17:49

Tgt Ion: 43 Resp: 3534

Ion	Ratio	Lower	Upper
43	100		
58	26.6	0.0	71.6



LSC Area Percent Report

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205973.D
Acq On : 14 Nov 2024 17:49
Operator : WP
Sample : AD48093-003
Misc : A,5ML!2
ALS Vial : 15 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Title : @GCMS_2,ug,624,8260

Signal : TIC: 2M205973.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.702	505	511	526	rBV	131322	180597	28.13%	6.778%
2	4.904	539	544	553	rBV	91879	122342	19.06%	4.592%
3	5.093	570	575	596	rBV	282931	352472	54.90%	13.230%
4	5.952	711	716	733	rBV	409142	502809	78.32%	18.872%
5	6.733	838	844	861	rBV	345964	467054	72.75%	17.530%
6	7.361	942	947	962	rBV	321507	396971	61.83%	14.900%
7	8.013	1048	1054	1065	rBV	506350	642023	100.00%	24.098%

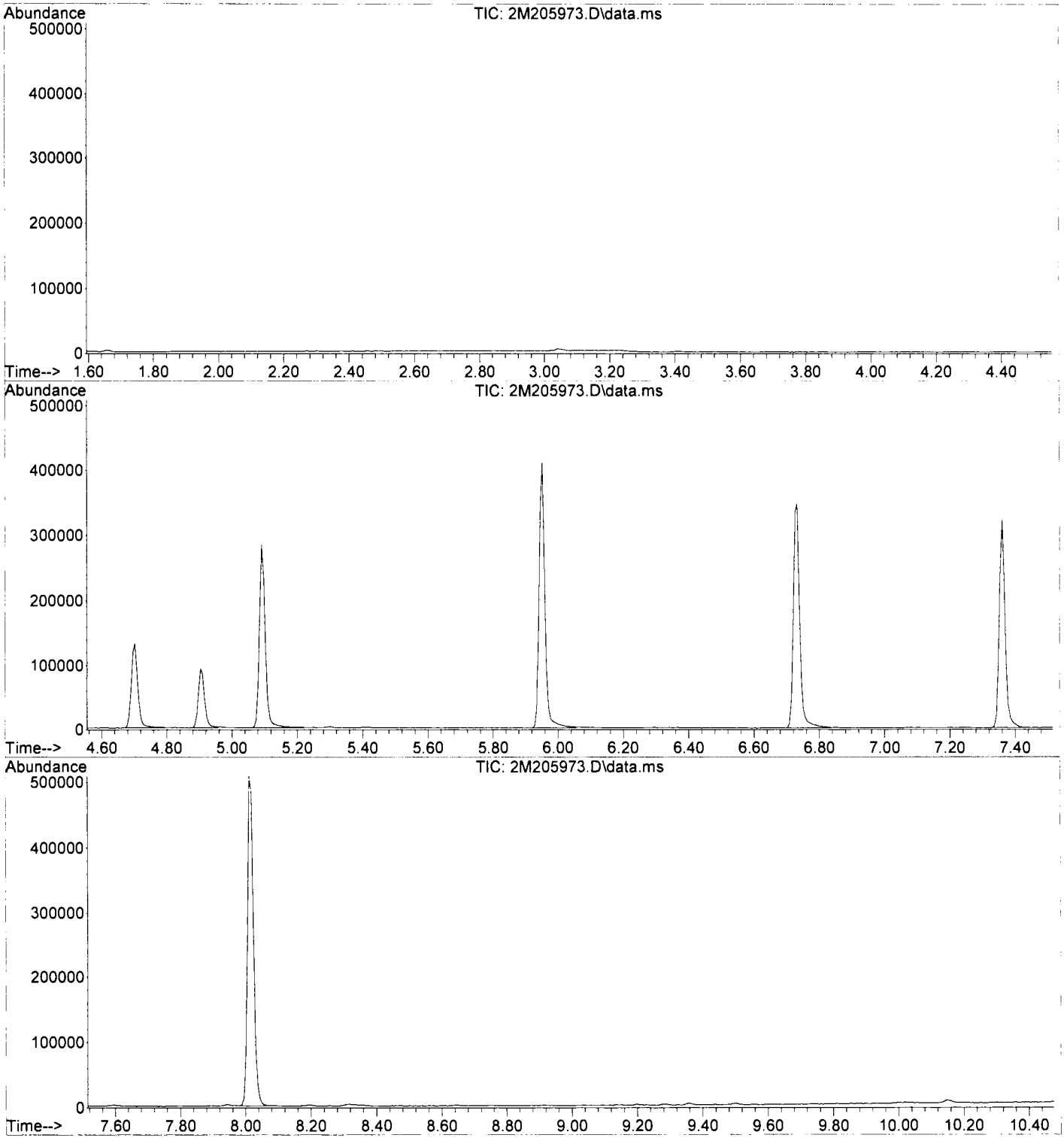
Sum of corrected areas: 2664268

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205973.D
Acq On : 14 Nov 2024 17:49
Operator : WP
Sample : AD48093-003
Misc : A,5ML!2
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205973.D
Acq On : 14 Nov 2024 17:49
Operator : WP
Sample : AD48093-003
Misc : A,5ML!2
ALS Vial : 15 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

GC/MS Volatile Data
Standards Data

4111304 0073

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M205524.D	CAL @ 20 PPB	11/06/24 21:32	2	2M205520.D	CAL @ 5 PPB	11/06/24 20:14
3	2M205521.D	CAL @ 10 PPB	11/06/24 20:33	4	2M205526.D	CAL @ 50 PPB	11/06/24 22:11
5	2M205528.D	CAL @ 100 PPB	11/06/24 22:50	6	2M205531.D	CAL @ 250 PPB	11/06/24 23:48
7	2M205534.D	CAL @ 500 PPB	11/07/24 00:47	8	2M205523.D	CAL @ 1 PPB	11/06/24 21:13
9	2M205518.D	CAL @ 0.5 PPB	11/06/24 19:35				

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	Avg	0.4834	0.4717	0.5282	0.4839	0.4656	0.4364	0.4158	0.5150	-----	0.475	1.70	0.999	1.00	7.8	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dichlorodifluorometha	1	0	Avg	0.5243	0.4399	0.4997	0.5214	0.4984	0.4682	0.4363	0.5041	-----	0.487	1.69	0.998	1.00	7.1	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloromethane	1	0	Avg	0.4371	0.3969	0.4242	0.4107	0.3851	0.3652	0.3519	0.5649	-----	0.417	1.86	0.999	1.00	16	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromomethane	1	0	Avg	0.2735	0.2770	0.2917	0.2888	0.3065	0.3661	-----	0.3840	-----	0.313	2.26	0.995	1.00	14	0.10	20.00	5.00	10.00	50.00	100.0	250.0		1.00	
Vinyl Chloride	1	0	Avg	0.4341	0.3719	0.4299	0.4279	0.4038	0.3828	0.3666	0.4826	-----	0.412	1.96	0.999	1.00	9.4	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroethane	1	0	Avg	0.2754	0.2695	0.2885	0.2761	0.2684	0.2702	0.2889	0.3386	-----	0.284	2.34	0.999	1.00	8.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichlorofluoromethan	1	0	Avg	0.7868	0.7058	0.7982	0.7859	0.7630	0.7433	0.7584	0.7860	-----	0.766	2.57	1.00	1.00	4.0	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl ether	1	0	Avg	0.3194	0.3060	0.3177	0.3042	0.3003	0.2938	0.2958	0.3692	-----	0.313	2.80	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	0.6156	0.6112	0.6409	0.6201	0.5889	0.5789	0.5719	0.6973	-----	0.616	2.84	1.00	1.00	6.5	0.50	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	0.3503	0.3139	0.3543	0.3491	0.3359	0.3388	0.3439	0.2473	-----	0.329	3.00	1.00	1.00	11	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methylene Chloride	1	0	Avg	0.3183	0.2949	0.3213	0.3106	0.2946	0.2915	0.3021	0.3991	-----	0.317	3.41	1.00	1.00	11	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acrolein	1	0	Avg	0.0554	0.0529	0.0534	0.0539	0.0529	0.0517	0.0518	0.0626	-----	0.0544	2.92	1.00	1.00	6.5		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Acrylonitrile	1	0	Avg	0.0897	0.0990	0.0897	0.0847	0.0866	0.0869	0.0871	0.0979	-----	0.0903	3.62	1.00	1.00	5.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iodomethane	1	0	Avg	0.5439	0.3630	0.4756	0.6396	0.6380	0.6188	0.5931	0.5594	-----	0.554	3.15	0.998	0.998	17		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Acetone	1	0	Avg	0.1106	0.0918	0.0971	0.0944	0.0973	0.0880	0.0847	0.1163	-----	0.0976	3.04	0.999	1.00	11	0.10 a	100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
Carbon Disulfide	1	0	Avg	1.0586	0.9572	1.0466	1.0579	1.0134	1.0018	1.0111	1.3118	-----	1.06	3.21	1.00	1.00	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butyl Alcohol	1	0	Avg	0.0252	0.0224	0.0233	0.0222	0.0238	0.0225	0.0228	0.0315	-----	0.0242	3.48	1.00	1.00	13		100.0	25.00	50.00	250.0	500.0	1250.	2500.	5.00	
n-Hexane	1	0	Avg	0.2221	0.2009	0.2265	0.2227	0.2197	0.2185	0.2174	0.1550	-----	0.210	3.87	1.00	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Di-isopropyl-ether	1	0	Avg	0.8842	0.7935	0.8748	0.8988	0.9081	0.9196	0.9285	0.9651	-----	0.897	4.03	1.00	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1-Dichloroethene	1	0	Avg	0.6580	0.5873	0.6704	0.6506	0.6256	0.6207	0.6387	0.7164	-----	0.646	3.01	1.00	1.00	5.9	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl Acetate	1	0	Avg	0.1690	0.1717	0.1583	0.1579	0.1588	0.1461	0.1443	0.1841	-----	0.161	3.31	1.00	1.00	8.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl-t-butyl ether	1	0	Avg	0.7863	0.6743	0.7589	0.7937	0.7766	0.7932	0.8054	0.8105	0.8751	0.786	3.64	1.00	1.00	6.7	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	0.5733	0.5385	0.5819	0.5835	0.5744	0.5904	0.5882	0.6068	-----	0.580	4.00	1.00	1.00	3.4	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	0.3323	0.3016	0.3222	0.3258	0.3317	0.3376	0.3467	0.3869	-----	0.336	3.65	1.00	1.00	7.3	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	0.9507	0.8110	0.9110	0.9524	0.9735	0.9953	1.0006	1.0045	-----	0.950	4.29	1.00	1.00	6.8	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
cis-1,2-Dichloroethene	1	0	Avg	0.5818	0.5230	0.5568	0.5877	0.5966	0.6016	0.6048	0.6512	-----	0.588	4.41	1.00	1.00	6.4	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromochloromethane	1	0	Avg	0.2855	0.2788	0.2849	0.2832	0.2828	0.2679	0.2513	0.3393	-----	0.284	4.56	0.999	1.00	8.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2,2-Dichloropropane	1	0	Avg	0.5263	0.4697	0.5090	0.5407	0.5407	0.5519	0.5598	0.5459	-----	0.531	4.41	1.00	1.00	5.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl acetate	1	0	Avg	0.2995	0.2462	0.2821	0.2824	0.2923	0.2801	0.2756	0.3216	-----	0.285	4.43	1.00	1.00	7.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dioxane	1	0	Avg	0.0032	0.0027	0.0028	0.0031	0.0035	0.0033	0.0033	0.0036	-----	0.00324	5.49	1.00	1.00	9.6		1000.	250.0	500.0	2500.	5000.	12500	25000	50.00	
1,1-Dichloropropene	1	0	Avg	0.4751	0.4058	0.4731	0.4933	0.4952	0.4877	0.4986	0.4976	-----	0.478	4.82	1.00	1.00	6.5		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chloroform	1	0	Avg	0.6452	0.5780	0.6209	0.6445	0.6578	0.6698	0.6527	0.7068	-----	0.647	4.60	1.00	1.00	5.8	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromofluoromethan	1	0	Avg	0.3227	0.3217	0.3147	0.3124	0.3165	0.3277	0.3219	0.3232	0.3252	0.321	4.70	-1	-1	1.6		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Cyclohexane	1	0	Avg	0.3473	0.3106	0.3644	0.3659	0.3734	0.3636	0.3535	0.2392	-----	0.340	4.76	1.00	1.00	13	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	0.1474	0.1499	0.1449	0.1477	0.1482	0.1490	0.1464	0.1497	0.1551	0.149	4.90	-1	-1	1.9		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.5163	0.4620	0.4968	0.5289	0.5460	0.5391	0.5673	0.5980	0.5243	0.531	4.95	0.999	1.00	7.4	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	0.1349	0.1174	0.1141	0.1017	0.1443	0.1095	0.1381	0.1187	-----	0.122	4.41	0.989	0.995	12	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,1,1-Trichloroethane	1	0	Avg	0.5795	0.5148	0.5693	0.5946	0.6030	0.6165	0.6027	0.5736	-----	0.582	4.73	1.00	1.00	5.4	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Carbon Tetrachloride	1	0	Avg	0.5006	0.4398	0.5063	0.5285	0.5512	0.5569	0.5796	0.4721	-----	0.517	4.82	1.00	1.00	9.0	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Vinyl Acetate	1	0	Avg	1.0054	0.9301	0.9761	1.0057	1.0465	1.0589	1.0602	0.9686	-----	1.01	4.02	1.00	1.00	4.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromodichloromethan	1	0	Avg	0.4970	0.4130	0.4818	0.5162	0.5426	0.5356	0.5331	0.4785	-----	0.500	5.56	1.00	1.00	8.6	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: 7.75

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.

4111304 0074

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M205524.D	CAL @ 20 PPB	11/06/24 21:32	2	2M205520.D	CAL @ 5 PPB	11/06/24 20:14
3	2M205521.D	CAL @ 10 PPB	11/06/24 20:33	4	2M205526.D	CAL @ 50 PPB	11/06/24 22:11
5	2M205528.D	CAL @ 100 PPB	11/06/24 22:50	6	2M205531.D	CAL @ 250 PPB	11/06/24 23:48
7	2M205534.D	CAL @ 500 PPB	11/07/24 00:47	8	2M205523.D	CAL @ 1 PPB	11/06/24 21:13
9	2M205518.D	CAL @ 0.5 PPB	11/06/24 19:35				

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	0.3199	0.3006	0.3214	0.3425	0.3491	0.3367	0.3375	0.1997	-----	0.313	5.41	1.00	1.00	15	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromomethane	1	0	Avg	0.2560	0.2126	0.2435	0.2589	0.2654	0.2632	0.2728	0.2504	-----	0.253	5.50	1.00	1.00	7.4		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichloropropane	1	0	Avg	0.3351	0.2954	0.3309	0.3454	0.3552	0.3452	0.3424	0.3349	-----	0.336	5.42	1.00	1.00	5.4	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Trichloroethene	1	0	Avg	0.3804	0.3476	0.3768	0.3992	0.4125	0.4026	0.3999	0.3766	-----	0.387	5.30	1.00	1.00	5.4	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Benzene	1	0	Avg	1.3886	1.1619	1.3208	1.3813	1.4046	1.3894	1.4377	1.3095	1.4050	1.36	4.95	1.00	1.00	6.1	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	0.8772	0.7780	0.8396	0.9113	0.9544	0.9152	0.9328	0.9706	-----	0.897	4.99	1.00	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Iso-propylacetate	1	0	Avg	0.6646	0.5770	0.6209	0.6620	0.6829	0.5978	0.6273	0.6971	-----	0.641	4.95	0.999	0.999	6.6	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Methyl methacrylate	1	0	Avg	0.3161	0.3345	0.2975	0.3313	0.3693	0.2957	0.2924	0.3168	-----	0.319	5.45	0.997	0.998	8.1	0.50 a	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Dibromochloromethan	1	0	Avg	0.4497	0.3555	0.4337	0.4826	0.5011	0.4663	0.4787	0.4012	-----	0.446	6.42	1.00	1.00	11	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chloroethylvinylethe	1	0	Avg	0.0403	0.0339	0.0410	0.0459	0.0503	-----	-----	0.0288	-----	0.0401	5.70	0.998	1.00	19		20.00	5.00	10.00	50.00	100.0			1.00	
cis-1,3-Dichloropropen	1	0	Avg	0.6430	0.5237	0.6668	0.6835	0.7114	0.6459	0.6516	0.5868	-----	0.639	5.80	1.00	1.00	9.2	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	0.5716	0.4744	0.5624	0.6315	0.6530	0.6190	0.6330	0.5275	-----	0.584	6.09	1.00	1.00	11	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethyl methacrylate	1	0	Avg	0.3587	0.3059	0.3416	0.3727	0.3754	0.3373	0.3314	0.4468	-----	0.359	6.10	0.999	1.00	12	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	0.3706	0.3135	0.3626	0.3751	0.3775	0.3472	0.3570	0.3934	-----	0.362	6.19	1.00	1.00	6.7	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromoethane	1	0	Avg	0.4012	0.3327	0.3663	0.3977	0.4026	0.3701	0.3681	0.3294	-----	0.371	6.49	1.00	1.00	7.8	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichloropropane	1	0	Avg	0.6377	0.5344	0.6215	0.6431	0.6490	0.5813	0.6201	0.6655	-----	0.619	6.29	0.999	0.999	6.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.3310	0.2809	0.3124	0.3271	0.3415	0.2982	0.2949	0.3832	-----	0.321	5.87	0.999	0.999	10	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Hexanone	1	0	Avg	0.2426	0.2094	0.2186	0.2319	0.2409	0.2058	0.2066	0.2603	-----	0.227	6.30	0.999	0.999	8.8	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Tetrachloroethene	1	0	Avg	0.3545	0.2912	0.3598	0.3615	0.3602	0.3380	0.3800	0.2975	-----	0.343	6.29	0.997	0.999	9.4	0.20	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Toluene-d8	1	0	Avg	1.3529	1.3458	1.3691	1.3226	1.3486	1.2354	1.2650	1.3270	1.3232	1.32	5.95	-1	-1	3.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Toluene	1	0	Avg	1.0547	0.9037	1.0974	1.0974	1.0792	1.0246	1.0567	1.0742	-----	1.05	5.99	1.00	1.00	6.0	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	0.4110	0.3462	0.4032	0.4378	0.4456	0.4355	0.4938	0.3767	-----	0.419	6.78	0.997	1.00	11		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Chlorobenzene	1	0	Avg	1.1396	0.9753	1.1555	1.2038	1.1863	1.1290	1.1593	1.1373	-----	1.14	6.74	1.00	1.00	6.1	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butyl acrylate	1	0	Avg	1.4288	1.1615	1.2920	1.4233	1.3829	1.2740	1.2812	1.3005	-----	1.32	6.99	1.00	1.00	6.8	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Amyl acetate	1	0	Avg	1.1859	1.0147	1.1195	1.1469	1.1370	1.0192	0.9999	1.2424	-----	1.11	7.10	0.999	1.00	8.0	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromoform	1	0	Avg	0.5322	0.4481	0.4985	0.5490	0.5534	0.5344	0.5638	0.5050	-----	0.523	7.20	0.999	1.00	7.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Ethylbenzene	1	0	Avg	0.9159	0.8589	0.9405	0.8797	0.8605	0.8152	0.9519	0.8502	-----	0.884	6.79	0.995	0.999	5.4	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	0.8643	0.7692	0.8272	0.8313	0.8133	0.7045	0.7004	0.7867	-----	0.787	7.42	0.999	0.999	7.6	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromofluorobenzene	1	0	Avg	0.8091	0.8374	0.8068	0.7460	0.7343	0.7066	0.7185	0.8103	0.8102	0.776	7.36	-1	-1	6.3		30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Styrene	1	0	Avg	2.2812	2.0322	2.2210	2.2888	2.2390	2.2305	2.3594	2.0745	-----	2.22	7.07	0.999	1.00	5.0	0.30	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
m&p-Xylenes	1	0	Avg	1.3022	1.1755	1.3016	1.3338	1.2399	1.1667	1.2835	1.3619	1.3011	1.27	6.84	0.998	0.999	5.3	0.10	40.00	10.00	20.00	100.0	200.0	500.0	1000.	2.00	1.00
o-Xylene	1	0	Avg	1.2845	1.1841	1.3146	1.2973	1.2589	1.2554	1.3908	1.3530	-----	1.29	7.07	0.998	1.00	4.9	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	Avg	0.2808	0.2569	0.2713	0.2908	0.2819	0.2574	0.2581	0.2889	-----	0.273	7.44	1.00	1.00	5.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3-Dichlorobenzene	1	0	Avg	1.5001	1.3077	1.4640	1.5325	1.5132	1.4799	1.4932	1.4292	-----	1.47	7.98	1.00	1.00	4.8	0.60	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,4-Dichlorobenzene	1	0	Avg	1.5488	1.3639	1.5823	1.5759	1.5392	1.4854	1.5169	1.5310	-----	1.52	8.03	1.00	1.00	4.6	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dichlorobenzene	1	0	Avg	1.4110	1.2399	1.3585	1.4425	1.4275	1.3835	1.3917	1.4147	-----	1.38	8.25	1.00	1.00	4.6	0.40	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Isopropylbenzene	1	0	Avg	2.7866	2.5310	2.8523	2.8288	2.7220	2.5523	2.5104	2.6448	-----	2.68	7.26	1.00	1.00	5.2	0.10	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Cyclohexanone	1	0	Avg	0.0677	0.0668	0.0685	0.0386	0.0523	-----	-----	0.0630	-----	0.0595	7.34	0.971	0.981	20		100.0	25.00	50.00	250.0	500.0			5.00	
Camphene	1	0	Avg	0.6116	0.5392	0.5995	0.6109	0.5962	0.5417	0.5714	0.4466	-----	0.565	7.43	0.999	0.999	9.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,3-Trichloropropane	1	0	Avg	1.0016	0.8698	0.9402	0.9848	0.9767	0.8960	0.9041	1.0133	-----	0.948	7.45	1.00	1.00	5.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
2-Chlorotoluene	1	0	Avg	1.8639	1.5836	1.8154	1.9729	1.9469	1.7526	1.6903	1.7841	-----	1.80	7.56	0.999	1.00	7.2		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: 7.75

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.

Form 6
Initial Calibration

Method: EPA 8260D

Instrument: GCMS_2

Level #:	Data File:	Cal Identifier:	Analysis Date/Time	Level #:	Data File:	Cal Identifier:	Analysis Date/Time
1	2M205524.D	CAL @ 20 PPB	11/06/24 21:32	2	2M205520.D	CAL @ 5 PPB	11/06/24 20:14
3	2M205521.D	CAL @ 10 PPB	11/06/24 20:33	4	2M205526.D	CAL @ 50 PPB	11/06/24 22:11
5	2M205528.D	CAL @ 100 PPB	11/06/24 22:50	6	2M205531.D	CAL @ 250 PPB	11/06/24 23:48
7	2M205534.D	CAL @ 500 PPB	11/07/24 00:47	8	2M205523.D	CAL @ 1 PPB	11/06/24 21:13
9	2M205518.D	CAL @ 0.5 PPB	11/06/24 19:35				

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	3.1399	2.7445	3.0965	3.2522	3.1277	2.8911	2.8387	2.9624	-----	3.01	7.54	1.00	1.00	5.8		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Chlorotoluene	1	0	Avg	1.8713	1.6291	1.8423	1.9211	1.8880	1.8171	1.8230	1.6844	-----	1.81	7.61	1.00	1.00	5.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Propylbenzene	1	0	Avg	3.4565	3.0200	3.4477	3.4050	3.3176	3.0253	2.9115	3.1491	-----	3.22	7.49	0.999	1.00	6.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Bromobenzene	1	0	Avg	1.8423	1.6341	1.8546	1.8583	1.7827	1.6387	1.6652	1.8244	-----	1.76	7.46	1.00	1.00	5.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,3,5-Trimethylbenzen	1	0	Avg	2.1826	1.8546	2.1582	2.2218	2.2139	2.1442	2.2741	1.8613	-----	2.11	7.57	0.999	1.00	7.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Butyl methacrylate	1	0	Avg	1.0977	0.9833	1.0615	1.1082	1.0460	0.9395	0.9481	1.0855	-----	1.03	7.58	0.999	0.999	6.5	0.50	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
t-Butylbenzene	1	0	Avg	2.3063	1.9476	2.2938	2.3796	2.2834	2.1870	2.2081	2.0288	-----	2.20	7.77	1.00	1.00	6.7		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trimethylbenzen	1	0	Avg	2.4831	2.1341	2.4767	2.6204	2.5260	2.3922	2.3324	2.3841	-----	2.42	7.79	1.00	1.00	6.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
sec-Butylbenzene	1	0	Avg	2.7548	2.4542	2.6937	2.8137	2.7354	2.5483	2.5143	2.2641	-----	2.60	7.89	1.00	1.00	7.1		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
4-Isopropyltoluene	1	0	Avg	2.3422	2.0808	2.3308	2.4634	2.4047	2.2977	2.2598	1.9679	-----	2.27	7.96	1.00	1.00	7.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
n-Butylbenzene	1	0	Avg	2.5228	2.0855	2.3837	2.5922	2.4802	2.3072	2.2512	1.8679	-----	2.31	8.20	0.999	1.00	10		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
p-Diethylbenzene	1	0	Avg	1.3310	1.1143	1.2937	1.3952	1.3418	1.2976	1.3274	1.1736	-----	1.28	8.18	1.00	1.00	7.3		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4,5-Tetramethylbe	1	0	Avg	1.7939	1.5088	1.8130	1.8765	1.8235	1.7667	1.7890	1.7859	-----	1.77	8.64	1.00	1.00	6.2		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2-Dibromo-3-Chloro	1	0	Avg	0.1445	0.1172	0.1425	0.1462	0.1585	0.1506	0.1568	0.1065	-----	0.140	8.70	1.00	1.00	13	0.05	20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Camphor	1	0	Avg	0.0488	0.0403	0.0392	0.0456	0.0505	0.0449	0.0487	0.0679	0.0474	0.0482	9.14	0.999	0.999	17		200.0	50.00	100.0	500.0	1000.	2500.	5000.	10.00	5.00
Hexachlorobutadiene	1	0	Avg	0.2960	0.2704	0.2962	0.2829	0.2744	0.2536	0.2808	0.3147	-----	0.284	9.27	0.998	0.999	6.6		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
1,2,4-Trichlorobenzen	1	0	Avg	0.5969	0.5445	0.6078	0.6041	0.5837	0.5695	0.6350	0.6736	-----	0.602	9.20	0.998	1.00	6.6	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	0.4378	0.3816	0.4370	0.4395	0.4182	0.3958	0.4231	0.4941	-----	0.428	9.49	0.999	1.00	7.9		20.00	5.00	10.00	50.00	100.0	250.0	500.0	1.00	
Naphthalene	1	0	Avg	1.2746	1.0940	1.1947	1.2654	1.2933	1.2033	1.2564	1.3889	-----	1.25	9.35	1.00	1.00	6.9		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: 7.75
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.	

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205524.D Sam Mult : 1 Vial# : 12 Qt On : 11/06/24 22:44
Acq On : 11/06/24 21:32 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	209636	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	176099	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	96012	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.703	111	67662	32.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.40%			
39) 1,2-Dichloroethane-d4	4.904	67	30905	32.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.70%			
66) Toluene-d8	5.952	98	238247	32.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.77%			
76) Bromofluorobenzene	7.361	174	77685	29.08	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.93%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.697	51	67566	29.2316	ug/l	87
6) Dichlorodifluoromethane	1.691	85	73275	26.0843	ug/l	97
7) Chloromethane	1.855	50	61098	25.5173	ug/l	100
8) Bromomethane	2.258	94	38232	33.2721	ug/l	95
9) Vinyl Chloride	1.959	62	60669	28.4023	ug/l	100
10) Chloroethane	2.343	64	38499	38.3858	ug/l	93
11) Trichlorofluoromethane	2.569	101	109971	43.2023	ug/l	97
12) Ethyl ether	2.800	59	44640	41.6087	ug/l	99
13) Furan	2.843	39	86047	36.2813	ug/l	87
14) 1,1,2-Trichloro-1,2,2-...	2.996	101	48963	41.7876	ug/l	96
15) Methylene Chloride	3.410	84	44489	21.7630	ug/l	90
16) Acrolein	2.916	56	38753	311.8692	ug/l	93
17) Acrylonitrile	3.617	53	12536	28.0729	ug/l	94
18) Iodomethane	3.148	142	76014	38.4116	ug/l	97
19) Acetone	3.044	43	77303	281.2353	ug/l	91
20) Carbon Disulfide	3.209	76	147957	48.8276	ug/l	100
21) t-Butyl Alcohol	3.483	59	17625	156.9650	ug/l	86
22) n-Hexane	3.867	57	31043	22.5053	ug/l	91
23) Di-isopropyl-ether	4.026	45	123574	22.4025	ug/l	95
24) 1,1-Dichloroethene	3.008	61	91971	40.8957	ug/l	93
25) Methyl Acetate	3.313	43	23630	30.5727	ug/l	100
26) Methyl-t-butyl ether	3.642	73	109893	27.4532	ug/l	94
27) 1,1-Dichloroethane	3.995	63	80125	21.2623	ug/l	97
28) trans-1,2-Dichloroethene	3.648	96	46441	22.7301	ug/l	97
29) Ethyl-t-butyl ether	4.288	59	132873	23.7162	ug/l	97
30) cis-1,2-Dichloroethene	4.410	61	81313	22.7017	ug/l	95
31) Bromochloromethane	4.562	49	39905	23.5243	ug/l	86
32) 2,2-Dichloropropane	4.410	77	73564	22.7688	ug/l	97
33) Ethyl acetate	4.434	43	41857m	31.3789	ug/l	
34) 1,4-Dioxane	5.489	88	22395	1430.7708	ug/l	98
35) 1,1-Dichloropropene	4.818	75	66406	22.8067	ug/l	93
36) Chloroform	4.599	83	90174	22.6154	ug/l	100
38) Cyclohexane	4.764	56	48548	22.2254	ug/l	95
40) 1,2-Dichloroethane	4.946	62	72165	24.1821	ug/l	97
41) 2-Butanone	4.410	43	18859m	28.3639	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	80996	21.9924	ug/l	98
43) Carbon Tetrachloride	4.824	117	69973	21.4947	ug/l	94
44) Vinyl Acetate	4.020	43	140513	24.6012	ug/l	100
45) Bromodichloromethane	5.562	83	69464	22.9870	ug/l	99
46) Methylcyclohexane	5.410	83	44720	23.5555	ug/l	97
47) Dibromomethane	5.495	174	35786	21.3591	ug/l	94
48) 1,2-Dichloropropane	5.422	63	46844	22.6219	ug/l	99
49) Trichloroethene	5.300	130	53166	20.1962	ug/l	93
50) Benzene	4.946	78	194073	23.3297	ug/l	100
51) tert-Amyl methyl ether	4.989	73	122597	25.8777	ug/l	98
53) Iso-propylacetate	4.946	43	78026	28.5497	ug/l	94
54) Methyl methacrylate	5.452	41	37115	26.2649	ug/l	92
55) Dibromochloromethane	6.416	129	52800	22.0602	ug/l	100
56) 2-Chloroethylvinylether	5.702	63	4732	422.8588	ug/l	93
57) cis-1,3-Dichloropropene	5.800	75	75495	23.2480	ug/l	94
58) trans-1,3-Dichloropropene	6.086	75	67106	23.5121	ug/l	98
59) Ethyl methacrylate	6.105	41	42112	28.3789	ug/l	83
60) 1,1,2-Trichloroethane	6.190	97	43512	24.6105	ug/l	93
61) 1,2-Dibromoethane	6.489	107	47110	25.6769	ug/l	88
62) 1,3-Dichloropropane	6.288	76	74870	25.1272	ug/l	99
63) 4-Methyl-2-Pentanone	5.867	43	38860	30.2217	ug/l	93
64) 2-Hexanone	6.300	43	28485	31.3648	ug/l	95
65) Tetrachloroethene	6.288	164	41627	19.9402	ug/l	98
67) Toluene	5.989	92	123824	23.1968	ug/l	80

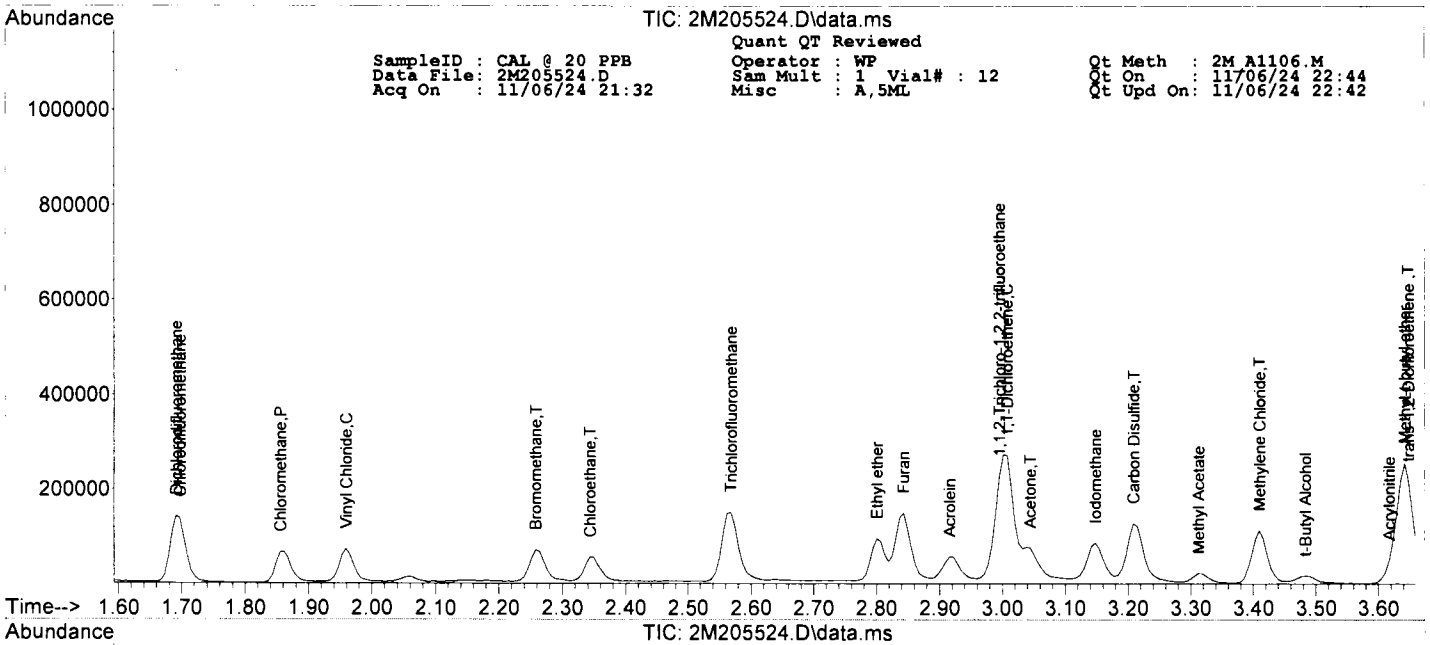
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205524.D Sam Mult : 1 Vial# : 12 Qt On : 11/06/24 22:44
Acq On : 11/06/24 21:32 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.781	133	48253	20.7266	ug/l	95
69)	Chlorobenzene	6.745	112	133789	21.5911	ug/l	100
71)	n-Butyl acrylate	6.989	55	91459	28.3303	ug/l	96
72)	n-Amyl acetate	7.105	43	75911	31.4096	ug/l	93
73)	Bromoform	7.196	173	34068	20.6792	ug/l	94
74)	Ethylbenzene	6.788	106	58631	22.3934	ug/l	93
75)	1,1,2,2-Tetrachloroethane	7.415	83	55322	27.6202	ug/l	99
77)	Styrene	7.074	104	146019	22.7456	ug/l	99
78)	m&p-Xylenes	6.842	106	166706	43.3614	ug/l	89
79)	o-Xylene	7.068	106	82222	21.3677	ug/l	94
80)	trans-1,4-Dichloro-2-b...	7.440	53	17977	27.7642	ug/l	84
81)	1,3-Dichlorobenzene	7.982	146	96023	21.4788	ug/l	97
82)	1,4-Dichlorobenzene	8.031	146	99136	22.2161	ug/l	99
83)	1,2-Dichlorobenzene	8.251	146	90317	22.1830	ug/l	98
84)	Isopropylbenzene	7.257	105	178370	21.6096	ug/l	99
85)	Cyclohexanone	7.336	55	21691	373.4184	ug/l	91
86)	Camphene	7.434	93	39152	23.3070	ug/l	93
87)	1,2,3-Trichloropropane	7.452	75	64114	28.3335	ug/l	99
88)	2-Chlorotoluene	7.556	91	119309	23.8637	ug/l	95
89)	p-Ethyltoluene	7.543	105	200980	24.4808	ug/l	92
90)	4-Chlorotoluene	7.611	91	119782	23.4211	ug/l	96
91)	n-Propylbenzene	7.489	91	221249	24.0073	ug/l	98
92)	Bromobenzene	7.458	77	117925	24.2963	ug/l	96
93)	1,3,5-Trimethylbenzene	7.574	105	139709	21.0668	ug/l	92
94)	Butyl methacrylate	7.580	41	70264	27.8622	ug/l	84
95)	t-Butylbenzene	7.769	119	147624	22.8528	ug/l	98
96)	1,2,4-Trimethylbenzene	7.793	105	158939	22.9482	ug/l	99
97)	sec-Butylbenzene	7.891	105	176334	24.2237	ug/l	99
98)	4-Isopropyltoluene	7.964	119	149922	23.0585	ug/l	97
99)	n-Butylbenzene	8.202	91	161484	25.8303	ug/l	94
100)	p-Diethylbenzene	8.184	119	85197	23.2599	ug/l	97
101)	1,2,4,5-Tetramethylben...	8.641	119	114826	23.9055	ug/l	96
102)	1,2-Dibromo-3-Chloropr...	8.702	157	9253	25.9693	ug/l	74
103)	Camphor	9.141	95	31259	349.6166	ug/l	98
104)	Hexachlorobutadiene	9.275	225	18948	18.8612	ug/l	94
105)	1,2,4-Trichlorobenzene	9.196	180	38212	22.3619	ug/l	98
106)	1,2,3-Trichlorobenzene	9.494	180	28028	27.0532	ug/l	97
107)	Naphthalene	9.354	128	81590	33.3699	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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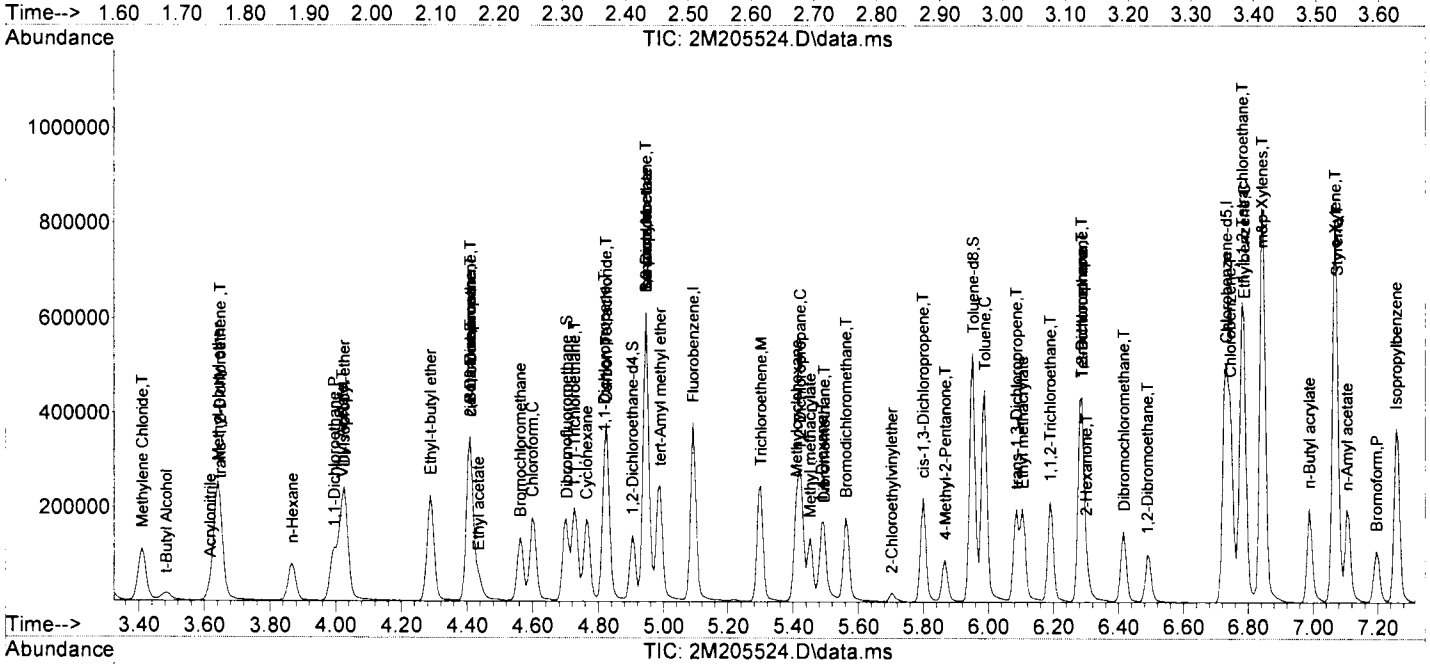
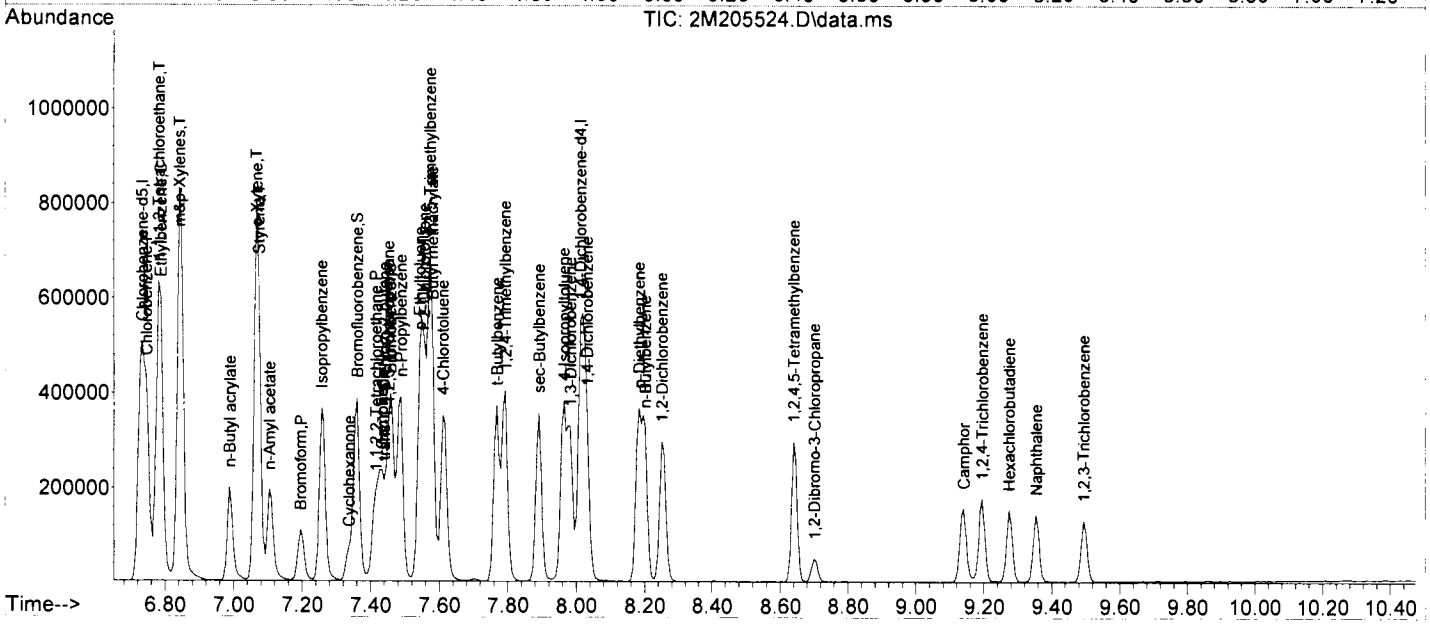
TIC: 2M205524.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M205524.D
Acq On : 11/06/24 21:32
Operator : WP
Sam Mult : 1 Vial# : 12
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/06/24 22:44
Qt Upd On: 11/06/24 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 2M205524.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 2M205524.D\data.ms
Chlorobenzene-d5,I
Ethylbenzene,T
m&p-Xylenes,T
Styrene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene-d4,I
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205520.D Sam Mult : 1 Vial# : 9 Qt On : 11/06/24 22:50
Acq On : 11/06/24 20:14 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.092	96	238747	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.726	117	203278	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.012	152	101934	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	76804	32.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.03%			
39) 1,2-Dichloroethane-d4	4.903	67	35791	33.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.53%			
66) Toluene-d8	5.952	98	273577	32.16	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.20%			
76) Bromofluorobenzene	7.360	174	85363	30.09	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.30%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.697	51	18772	7.1312	ug/l	97
6) Dichlorodifluoromethane	1.684	85	17506	5.4719	ug/l	98
7) Chloromethane	1.861	50	15793	5.7916	ug/l	90
8) Bromomethane	2.257	94	11023	8.4233	ug/l	95
9) Vinyl Chloride	1.959	62	14801	6.0842	ug/l	98
10) Chloroethane	2.343	64	10724	9.3887	ug/l	97
11) Trichlorofluoromethane	2.562	101	28087	9.6886	ug/l	99
12) Ethyl ether	2.800	59	12179	9.9678	ug/l	90
13) Furan	2.837	39	24323	9.0052	ug/l	82
14) 1,1,2-Trichloro-1,2,2-...	2.995	101	12492	9.3614	ug/l	93
15) Methylene Chloride	3.410	84	11736	5.0410	ug/l	81
16) Acrolein	2.922	56	10532	74.4228	ug/l	95
17) Acrylonitrile	3.623	53	3942	7.7513	ug/l	90
18) Iodomethane	3.148	142	14445	6.4094	ug/l	93
19) Acetone	3.044	43	18283	58.4049	ug/l	89
20) Carbon Disulfide	3.208	76	38091	11.0377	ug/l	100
21) t-Butyl Alcohol	3.477	59	4465	34.9159	ug/l	76
22) n-Hexane	3.867	57	7996	5.0900	ug/l	81
23) Di-isopropyl-ether	4.025	45	31577	5.0265	ug/l	91
24) 1,1-Dichloroethene	3.007	61	23370	9.1246	ug/l	91
25) Methyl Acetate	3.312	43	6834	7.7638	ug/l	100
26) Methyl-t-butyl ether	3.641	73	26833	5.8860	ug/l	88
27) 1,1-Dichloroethane	3.995	63	21430	4.9934	ug/l	96
28) trans-1,2-Dichloroethene	3.641	96	12003	5.1584	ug/l	97
29) Ethyl-t-butyl ether	4.288	59	32272	5.0578	ug/l	97
30) cis-1,2-Dichloroethene	4.410	61	20813	5.1022	ug/l	93
31) Bromochloromethane	4.562	49	11096	5.7436	ug/l	76
32) 2,2-Dichloropropane	4.410	77	18691	5.0797	ug/l	96
33) Ethyl acetate	4.434	43	9799m	6.4503	ug/l	
34) 1,4-Dioxane	5.489	88	5559	311.8485	ug/l	86
35) 1,1-Dichloropropene	4.818	75	16148	4.8697	ug/l	97
36) Chloroform	4.605	83	23000	5.0650	ug/l	94
38) Cyclohexane	4.763	56	12360	4.9685	ug/l	96
40) 1,2-Dichloroethane	4.946	62	18384	5.4092	ug/l	99
41) 2-Butanone	4.422	43	4674m	6.1725	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	20486	4.8842	ug/l	94
43) Carbon Tetrachloride	4.830	117	17501	4.7205	ug/l	95
44) Vinyl Acetate	4.025	43	37011	5.6898	ug/l	100
45) Bromodichloromethane	5.562	83	16436	4.7758	ug/l	98
46) Methylcyclohexane	5.409	83	11963	5.5330	ug/l	96
47) Dibromomethane	5.495	174	8461	4.4342	ug/l	90
48) 1,2-Dichloropropane	5.422	63	11757	4.9854	ug/l	96
49) Trichloroethene	5.300	130	13835	4.6147	ug/l	92
50) Benzene	4.946	78	46236	4.8804	ug/l	100
51) tert-Amyl methyl ether	4.989	73	30958	5.7378	ug/l	97
53) Iso-propylacetate	4.946	43	19549	6.1966	ug/l	97
54) Methyl methacrylate	5.452	41	11335m	6.9489	ug/l	
55) Dibromochloromethane	6.415	129	12045	4.3596	ug/l	93
56) 2-Chloroethylvinylether	5.708	63	1149m	88.9482	ug/l	
57) cis-1,3-Dichloropropene	5.799	75	17745	4.7338	ug/l	97
58) trans-1,3-Dichloropropene	6.086	75	16075	4.8792	ug/l	99
59) Ethyl methacrylate	6.104	41	10365	6.0510	ug/l	81
60) 1,1,2-Trichloroethane	6.190	97	10623	5.2050	ug/l	89
61) 1,2-Dibromoethane	6.494	107	11272	5.3223	ug/l	90
62) 1,3-Dichloropropane	6.287	76	18107	5.2644	ug/l	94
63) 4-Methyl-2-Pentanone	5.867	43	9519	6.4132	ug/l	90
64) 2-Hexanone	6.306	43	7096	6.7687	ug/l	85
65) Tetrachloroethene	6.287	164	9866	4.0941	ug/l	92
67) Toluene	5.988	92	30620	4.9693	ug/l	90

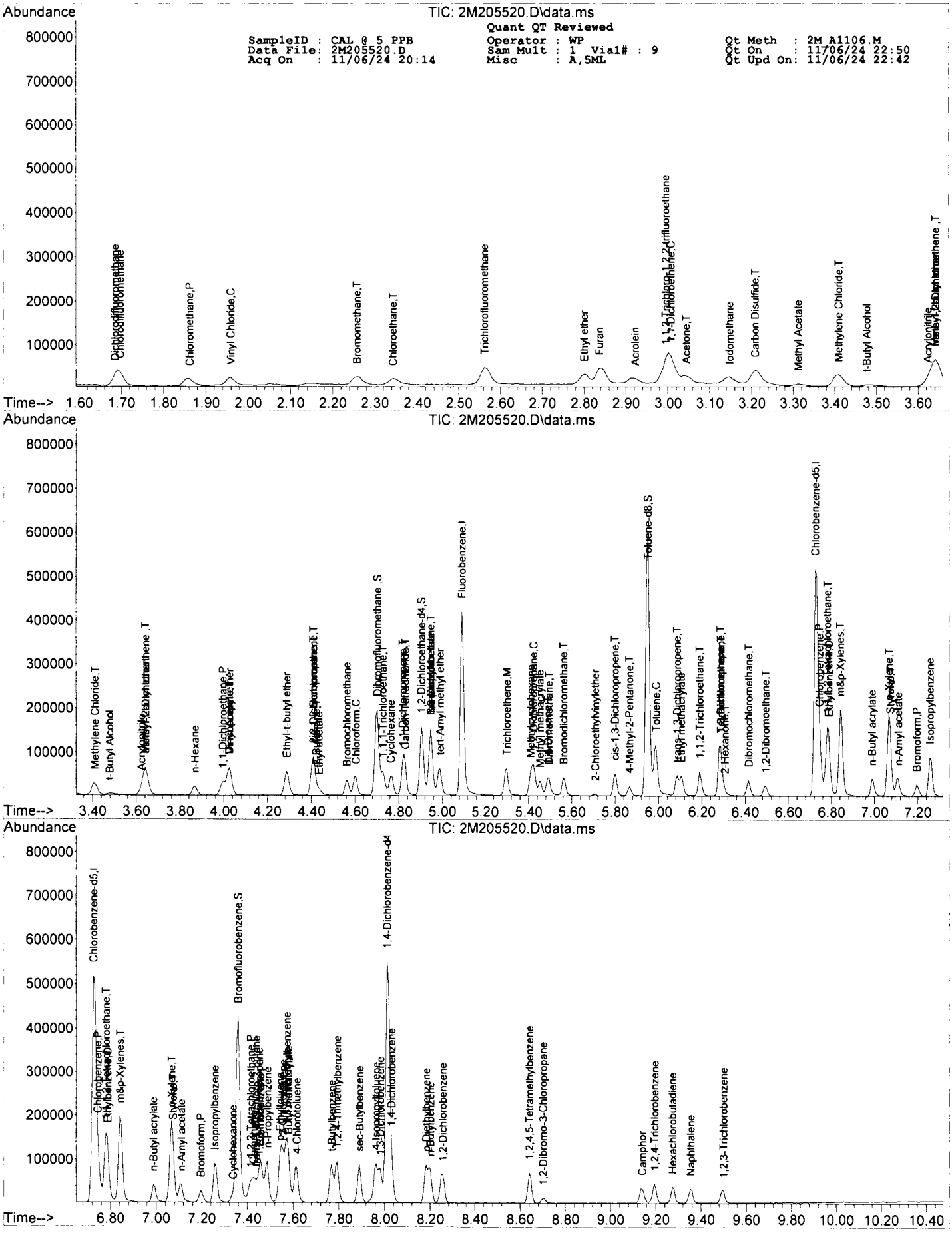
Quantitation Report (QT Reviewed)

SampleID : CAL @ 5 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205520.D Sam Mult : 1 Vial# : 9 Qt On : 11/06/24 22:50
Acq On : 11/06/24 20:14 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,1,1,2-Tetrachloroethane	6.781	133	11730	4.3648	ug/l	99
69) Chlorobenzene	6.744	112	33044	4.6197	ug/l	95
71) n-Butyl acrylate	6.988	55	19734	5.7577	ug/l	99
72) n-Amyl acetate	7.110	43	17240	6.7189	ug/l	92
73) Bromoform	7.196	173	7614	4.3532	ug/l	94
74) Ethylbenzene	6.787	106	14593	5.2498	ug/l	99
75) 1,1,2,2-Tetrachloroethane	7.415	83	13069	6.1458	ug/l	99
77) Styrene	7.074	104	34525	5.0656	ug/l	99
78) m&p-Xylenes	6.842	106	39941	9.7854	ug/l	88
79) o-Xylene	7.068	106	20118	4.9245	ug/l	99
80) trans-1,4-Dichloro-2-b...	7.439	53	4366	6.3512	ug/l	74
81) 1,3-Dichlorobenzene	7.982	146	22217	4.6809	ug/l	97
82) 1,4-Dichlorobenzene	8.031	146	23172	4.8911	ug/l	95
83) 1,2-Dichlorobenzene	8.256	146	21065	4.8732	ug/l	95
84) Isopropylbenzene	7.257	105	43000	4.9068	ug/l	98
85) Cyclohexanone	7.336	55	5677	92.0538	ug/l	88
86) Camphene	7.427	93	9161	5.1367	ug/l	98
87) 1,2,3-Trichloropropane	7.452	75	14777	6.1509	ug/l	96
88) 2-Chlorotoluene	7.555	91	26904	5.0686	ug/l	96
89) p-Ethyltoluene	7.543	105	46627	5.3495	ug/l	99
90) 4-Chlorotoluene	7.616	91	27677	5.0973	ug/l	96
91) n-Propylbenzene	7.488	91	51308	5.2439	ug/l	98
92) Bromobenzene	7.458	77	27762	5.3876	ug/l	96
93) 1,3,5-Trimethylbenzene	7.574	105	31509	4.4752	ug/l	98
94) Butyl methacrylate	7.580	41	16706	6.2397	ug/l	75
95) t-Butylbenzene	7.769	119	33088	4.8246	ug/l	96
96) 1,2,4-Trimethylbenzene	7.793	105	36257	4.9308	ug/l	98
97) sec-Butylbenzene	7.891	105	41695	5.3950	ug/l	98
98) 4-Isopropyltoluene	7.964	119	35351	5.1212	ug/l	97
99) n-Butylbenzene	8.201	91	35431	5.3381	ug/l	96
100) p-Diethylbenzene	8.183	119	18932	4.8684	ug/l	98
101) 1,2,4,5-Tetramethylben...	8.640	119	25634	5.0267	ug/l	97
102) 1,2-Dibromo-3-Chloropr...	8.701	157	1992	5.2659	ug/l	52
103) Camphor	9.140	95	6862	72.2893	ug/l	86
104) Hexachlorobutadiene	9.274	225	4594	4.3073	ug/l	97
105) 1,2,4-Trichlorobenzene	9.195	180	9251	5.0992	ug/l	98
106) 1,2,3-Trichlorobenzene	9.500	180	6483	5.8940	ug/l	94
107) Naphthalene	9.354	128	18586	7.1600	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 5 PPB
Data File: 2M205520.D
Acq On : 11/06/24 20:14
Operator : WP
Sam Mult : 1 Vial# : 9
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/06/24 22:50
Qt Upd On: 11/06/24 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Time-->

Abundance
TIC: 2M205520.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
1,1,2-Trichloroethane,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 2M205520.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
4-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4
1,4-Dichlorobenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205521.D Sam Mult : 1 Vial# : 10 Qt On : 11/06/24 22:48
Acq On : 11/06/24 20:33 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.092	96	216915	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.732	117	174153	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	94119	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	68264	31.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.70%			
39) 1,2-Dichloroethane-d4	4.903	67	31444	32.07	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.90%			
66) Toluene-d8	5.952	98	238447	32.72	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.07%			
76) Bromofluorobenzene	7.360	174	75941	29.00	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.67%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.697	51	38195	15.9701	ug/l	98
6) Dichlorodifluoromethane	1.691	85	36133	12.4309	ug/l	99
7) Chloromethane	1.855	50	30673	12.3806	ug/l	100
8) Bromomethane	2.258	94	21092	17.7398	ug/l	98
9) Vinyl Chloride	1.959	62	31087	14.0651	ug/l	96
10) Chloroethane	2.349	64	20861	20.1017	ug/l	93
11) Trichlorofluoromethane	2.568	101	57714	21.9122	ug/l	96
12) Ethyl ether	2.800	59	22974	20.6954	ug/l	96
13) Furan	2.843	39	46340	18.8834	ug/l	86
14) 1,1,2-Trichloro-1,2,2-...	2.995	101	25620	21.1317	ug/l	94
15) Methylene Chloride	3.416	84	23233	10.9837	ug/l	89
16) Acrolein	2.922	56	19321	150.2702	ug/l	99
17) Acrylonitrile	3.617	53	6487	14.0394	ug/l	100
18) Iodomethane	3.148	142	34389	16.7944	ug/l	94
19) Acetone	3.044	43	35131	123.5209	ug/l	93
20) Carbon Disulfide	3.215	76	75677	24.1363	ug/l	100
21) t-Butyl Alcohol	3.483	59	8434	72.5911	ug/l	99
22) n-Hexane	3.867	57	16380	11.4766	ug/l	92
23) Di-isopropyl-ether	4.032	45	63258	11.0831	ug/l	91
24) 1,1-Dichloroethene	3.007	61	48477	20.8324	ug/l	90
25) Methyl Acetate	3.318	43	11446	14.3120	ug/l	100
26) Methyl-t-butyl ether	3.641	73	54875	13.2487	ug/l	97
27) 1,1-Dichloroethane	3.995	63	42077	10.7910	ug/l	99
28) trans-1,2-Dichloroethene	3.648	96	23303	11.0227	ug/l	98
29) Ethyl-t-butyl ether	4.288	59	65870	11.3625	ug/l	97
30) cis-1,2-Dichloroethene	4.403	61	40260	10.8629	ug/l	88
31) Bromochloromethane	4.562	49	20605	11.7392	ug/l	87
32) 2,2-Dichloropropane	4.410	77	36806	11.0096	ug/l	97
33) Ethyl acetate	4.434	43	20402m	14.7815	ug/l	
34) 1,4-Dioxane	5.489	88	10248	632.7533	ug/l	97
35) 1,1-Dichloropropene	4.818	75	34209	11.3546	ug/l	94
36) Chloroform	4.599	83	44900	10.8829	ug/l	98
38) Cyclohexane	4.763	56	26352	11.6592	ug/l	89
40) 1,2-Dichloroethane	4.946	62	35921	11.6330	ug/l	100
41) 2-Butanone	4.410	43	8253m	11.9960	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	41164	10.8020	ug/l	97
43) Carbon Tetrachloride	4.824	117	36612	10.8693	ug/l	87
44) Vinyl Acetate	4.026	43	70583	11.9431	ug/l	100
45) Bromodichloromethane	5.562	83	34843	11.1433	ug/l	99
46) Methylcyclohexane	5.409	83	23243	11.8320	ug/l	96
47) Dibromomethane	5.495	174	17608	10.1568	ug/l	97
48) 1,2-Dichloropropane	5.422	63	23928	11.1675	ug/l	98
49) Trichloroethene	5.300	130	27249	10.0037	ug/l	89
50) Benzene	4.946	78	95502	11.0951	ug/l	100
51) tert-Amyl methyl ether	4.989	73	60712	12.3850	ug/l	99
53) Iso-propylacetate	4.946	43	36044	13.3359	ug/l	94
54) Methyl methacrylate	5.452	41	17273	12.3600	ug/l	97
55) Dibromochloromethane	6.415	129	25179	10.6375	ug/l	95
56) 2-Chloroethylvinylether	5.702	63	2385	215.5088	ug/l	88
57) cis-1,3-Dichloropropene	5.800	75	38712	12.0542	ug/l	98
58) trans-1,3-Dichloropropene	6.086	75	32648	11.5668	ug/l	97
59) Ethyl methacrylate	6.104	41	19830	13.5126	ug/l	83
60) 1,1,2-Trichloroethane	6.190	97	21053	12.0407	ug/l	93
61) 1,2-Dibromoethane	6.495	107	21268	11.7215	ug/l	99
62) 1,3-Dichloropropane	6.287	76	36084	12.2455	ug/l	95
63) 4-Methyl-2-Pentanone	5.867	43	18140	14.2652	ug/l	91
64) 2-Hexanone	6.299	43	12690	14.1291	ug/l	94
65) Tetrachloroethene	6.287	164	20887	10.1171	ug/l	98
67) Toluene	5.989	92	63706	12.0678	ug/l	96

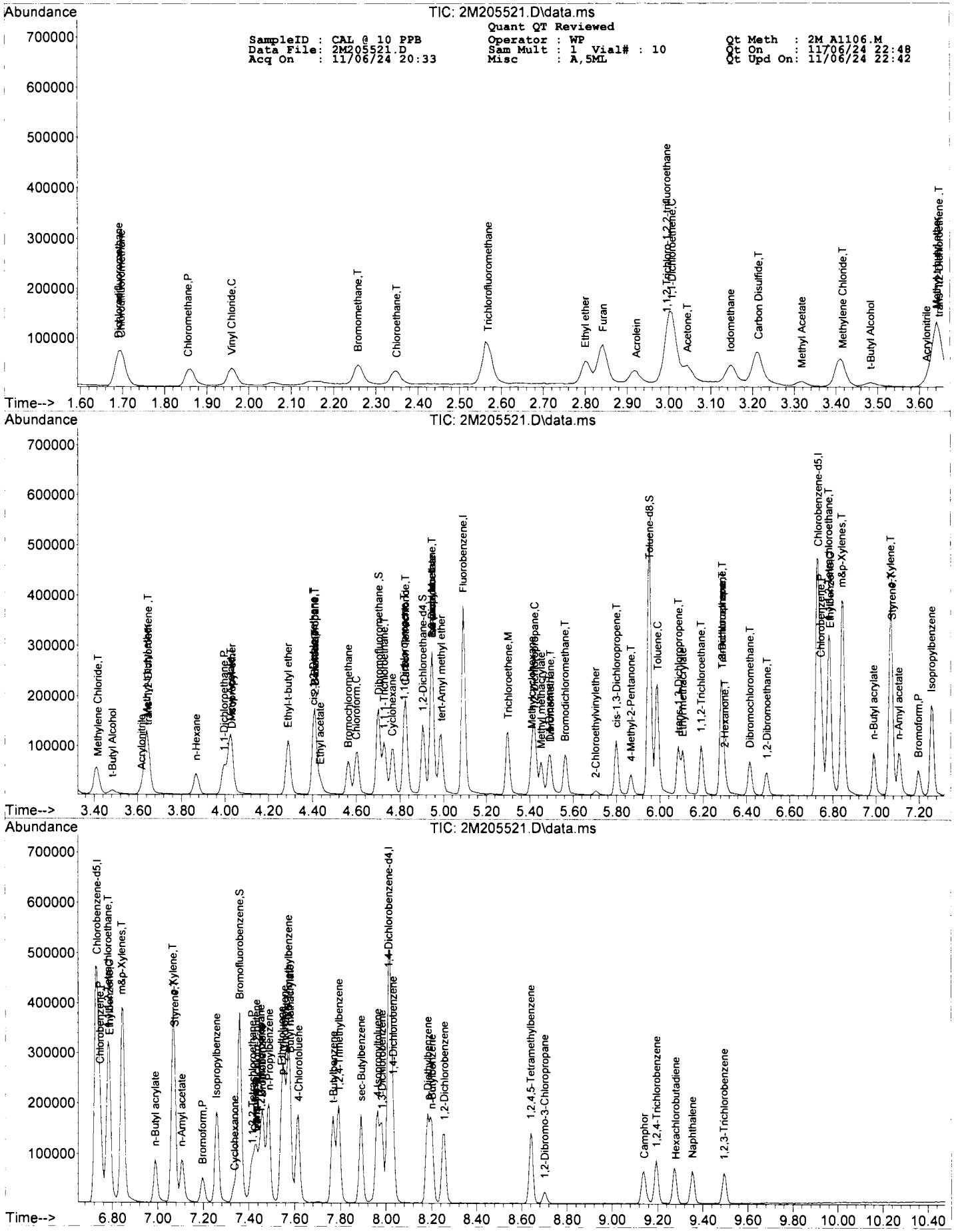
Quantitation Report (QT Reviewed)

SampleID : CAL @ 10 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205521.D Sam Mult : 1 Vial# : 10 Qt On : 11/06/24 22:48
Acq On : 11/06/24 20:33 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.781	133	23410	10.1679	ug/l	93
69)	Chlorobenzene	6.745	112	67081	10.9466	ug/l	97
71)	n-Butyl acrylate	6.988	55	40536	12.8090	ug/l	97
72)	n-Amyl acetate	7.104	43	35124	14.8255	ug/l	93
73)	Bromoform	7.196	173	15642	9.6856	ug/l	96
74)	Ethylbenzene	6.787	106	29509	11.4973	ug/l	97
75)	1,1,2,2-Tetrachloroethane	7.415	83	25954	13.2185	ug/l	98
77)	Styrene	7.074	104	69681	11.0726	ug/l	97
78)	m&p-Xylenes	6.842	106	81672	21.6707	ug/l	99
79)	o-Xylene	7.068	106	41244	10.9340	ug/l	100
80)	trans-1,4-Dichloro-2-b...	7.433	53	8514	13.4137	ug/l	72
81)	1,3-Dichlorobenzene	7.982	146	45930	10.4804	ug/l	96
82)	1,4-Dichlorobenzene	8.031	146	49643	11.3486	ug/l	97
83)	1,2-Dichlorobenzene	8.256	146	42622	10.6790	ug/l	97
84)	Isopropylbenzene	7.257	105	89486	11.0593	ug/l	98
85)	Cyclohexanone	7.336	55	10747	188.7347	ug/l	86
86)	Camphene	7.427	93	18808	11.4215	ug/l	100
87)	1,2,3-Trichloropropane	7.452	75	29499	13.2985	ug/l	98
88)	2-Chlorotoluene	7.555	91	56955	11.6210	ug/l	95
89)	p-Ethyltoluene	7.543	105	97148	12.0713	ug/l	99
90)	4-Chlorotoluene	7.616	91	57799	11.5288	ug/l	97
91)	n-Propylbenzene	7.488	91	108165	11.9729	ug/l	99
92)	Bromobenzene	7.458	77	58185	12.2291	ug/l	96
93)	1,3,5-Trimethylbenzene	7.574	105	67710	10.4154	ug/l	98
94)	Butyl methacrylate	7.580	41	33305	13.4723	ug/l	80
95)	t-Butylbenzene	7.769	119	71965	11.3646	ug/l	99
96)	1,2,4-Trimethylbenzene	7.793	105	77702	11.4445	ug/l	99
97)	sec-Butylbenzene	7.891	105	84512	11.8432	ug/l	98
98)	4-Isopropyltoluene	7.964	119	73126	11.4732	ug/l	96
99)	n-Butylbenzene	8.202	91	74784	12.2027	ug/l	96
100)	p-Diethylbenzene	8.183	119	40590	11.3045	ug/l	96
101)	1,2,4,5-Tetramethylben...	8.641	119	56880	12.0799	ug/l	93
102)	1,2-Dibromo-3-Chloropr...	8.701	157	4473	12.8063	ug/l	79
103)	Camphor	9.140	95	12318	140.5417	ug/l	95
104)	Hexachlorobutadiene	9.281	225	9294	9.4375	ug/l	96
105)	1,2,4-Trichlorobenzene	9.195	180	19071	11.3849	ug/l	95
106)	1,2,3-Trichlorobenzene	9.494	180	13712	13.5013	ug/l	99
107)	Naphthalene	9.354	128	37483	15.6387	ug/l	100

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


Abundance
TIC: 2M205521.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 10 PPB
Data File: 2M205521.D
Acq On : 11/06/24 20:33
Operator : WP
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/06/24 22:48
Qt Upd On: 11/06/24 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 2M205521.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
Styrene,T
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 2M205521.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
m&p-Xylenes,T
n-Butyl acrylate
Styrene,T
o-Xylene,T
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205526.D Sam Mult : 1 Vial# : 14 Qt On : 11/06/24 22:42
Acq On : 11/06/24 22:11 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	220394	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.726	117	187975	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	110519	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	68857	31.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.93%			
39) 1,2-Dichloroethane-d4	4.904	67	32569	32.69	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.97%			
66) Toluene-d8	5.952	98	248624	31.61	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.37%			
76) Bromofluorobenzene	7.360	174	82447	26.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.37%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.697	51	177763	73.1529	ug/l	88
6) Dichlorodifluoromethane	1.691	85	191521	64.8495	ug/l	99
7) Chloromethane	1.855	50	150858	59.9297	ug/l	99
8) Bromomethane	2.258	94	106105	87.8326	ug/l	99
9) Vinyl Chloride	1.959	62	157176	69.9905	ug/l	100
10) Chloroethane	2.349	64	101448	96.2124	ug/l	97
11) Trichlorofluoromethane	2.569	101	288691	107.8767	ug/l	95
12) Ethyl ether	2.800	59	111739	99.0675	ug/l	100
13) Furan	2.843	39	227798	91.3615	ug/l	87
14) 1,1,2-Trichloro-1,2,2-...	2.995	101	128263	104.1229	ug/l	95
15) Methylene Chloride	3.410	84	114116	53.0980	ug/l	90
16) Acrolein	2.916	56	99162	759.0641	ug/l	98
17) Acrylonitrile	3.617	53	31136	66.3221	ug/l	90
18) Iodomethane	3.148	142	234972	112.9408	ug/l	96
19) Acetone	3.044	43	173413	600.0968	ug/l	93
20) Carbon Disulfide	3.209	76	388592	121.9804	ug/l	100
21) t-Butyl Alcohol	3.483	59	40784	345.4854	ug/l	89
22) n-Hexane	3.867	57	81809	56.4142	ug/l	93
23) Di-isopropyl-ether	4.026	45	330160	56.9325	ug/l	95
24) 1,1-Dichloroethene	3.008	61	239000	101.0859	ug/l	93
25) Methyl Acetate	3.312	43	58008	71.3878	ug/l	100
26) Methyl-t-butyl ether	3.635	73	291569	69.2836	ug/l	97
27) 1,1-Dichloroethane	3.995	63	214356	54.1058	ug/l	99
28) trans-1,2-Dichloroethene	3.648	96	119708	55.7301	ug/l	97
29) Ethyl-t-butyl ether	4.288	59	349862	59.3980	ug/l	97
30) cis-1,2-Dichloroethene	4.410	61	215881	57.3295	ug/l	92
31) Bromochloromethane	4.562	49	104059	58.3493	ug/l	90
32) 2,2-Dichloropropane	4.410	77	198625	58.4757	ug/l	96
33) Ethyl acetate	4.434	43	103749m	73.9808	ug/l	
34) 1,4-Dioxane	5.489	88	58207	3537.2056	ug/l	99
35) 1,1-Dichloropropene	4.818	75	181219	59.2005	ug/l	96
36) Chloroform	4.599	83	236743	56.4763	ug/l	98
38) Cyclohexane	4.763	56	134418	58.5333	ug/l	94
40) 1,2-Dichloroethane	4.946	62	194281	61.9246	ug/l	99
41) 2-Butanone	4.410	43	37364m	53.4524	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	218420	56.4115	ug/l	99
43) Carbon Tetrachloride	4.830	117	194135	56.7245	ug/l	98
44) Vinyl Acetate	4.020	43	369425	61.5223	ug/l	100
45) Bromodichloromethane	5.562	83	189618	59.6855	ug/l	100
46) Methylcyclohexane	5.410	83	125828	63.0426	ug/l	97
47) Dibromomethane	5.495	174	95120	54.0017	ug/l	97
48) 1,2-Dichloropropane	5.422	63	126875	58.2797	ug/l	97
49) Trichloroethene	5.300	130	146667	52.9948	ug/l	95
50) Benzene	4.946	78	507382	58.0156	ug/l	100
51) tert-Amyl methyl ether	4.989	73	334764	67.2126	ug/l	99
53) Iso-propylacetate	4.946	43	207426	71.1020	ug/l	97
54) Methyl methacrylate	5.452	41	103801	68.8152	ug/l	91
55) Dibromochloromethane	6.415	129	151217	59.1878	ug/l	97
56) 2-Chloroethylvinylether	5.702	63	14402m	1205.6750	ug/l	
57) cis-1,3-Dichloropropene	5.800	75	214140	61.7764	ug/l	99
58) trans-1,3-Dichloropropene	6.086	75	197856	64.9435	ug/l	100
59) Ethyl methacrylate	6.105	41	116784	73.7277	ug/l	83
60) 1,1,2-Trichloroethane	6.190	97	117516	62.2679	ug/l	92
61) 1,2-Dibromoethane	6.495	107	124606	63.6247	ug/l	99
62) 1,3-Dichloropropane	6.287	76	201488	63.3493	ug/l	97
63) 4-Methyl-2-Pentanone	5.867	43	102499	74.6779	ug/l	95
64) 2-Hexanone	6.300	43	72680	74.9717	ug/l	94
65) Tetrachloroethene	6.287	164	113270	50.8307	ug/l	95
67) Toluene	5.989	92	343809	60.3389	ug/l	99

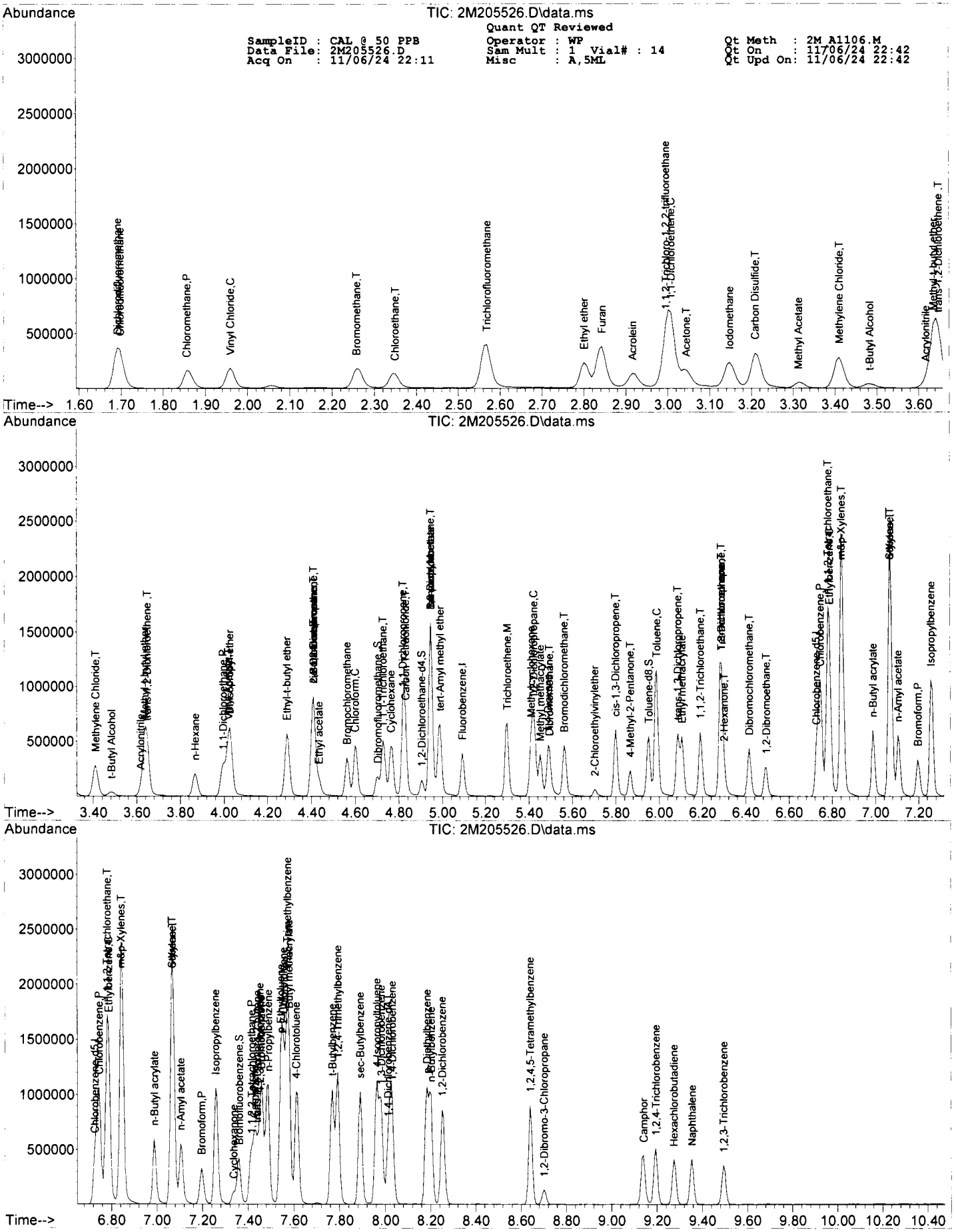
Quantitation Report (QT Reviewed)

SampleID : CAL @ 50 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205526.D Sam Mult : 1 Vial# : 14 Qt On : 11/06/24 22:42
Acq On : 11/06/24 22:11 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.781	133	137168	55.1967	ug/l	99
69)	Chlorobenzene	6.745	112	377157	57.0208	ug/l	99
71)	n-Butyl acrylate	6.989	55	262179	70.5523	ug/l	97
72)	n-Amyl acetate	7.104	43	211257	75.9376	ug/l	94
73)	Bromoform	7.196	173	101125	53.3254	ug/l	98
74)	Ethylbenzene	6.787	106	162043	53.7664	ug/l	97
75)	1,1,2,2-Tetrachloroethane	7.415	83	153127	66.4155	ug/l	100
77)	Styrene	7.068	104	421599	57.0527	ug/l	90
78)	m&p-Xylenes	6.842	106	491398	111.0387	ug/l	93
79)	o-Xylene	7.068	106	238969	53.9511	ug/l	96
80)	trans-1,4-Dichloro-2-b...	7.440	53	53573	71.8790	ug/l	85
81)	1,3-Dichlorobenzene	7.982	146	282284	54.8541	ug/l	98
82)	1,4-Dichlorobenzene	8.031	146	290295	56.5151	ug/l	98
83)	1,2-Dichlorobenzene	8.250	146	265712	56.6957	ug/l	98
84)	Isopropylbenzene	7.257	105	521076	54.8421	ug/l	98
85)	Cyclohexanone	7.336	55	35621m	532.7346	ug/l	
86)	Camphene	7.427	93	112534	58.1976	ug/l	96
87)	1,2,3-Trichloropropane	7.452	75	181400	69.6423	ug/l	97
88)	2-Chlorotoluene	7.555	91	363406	63.1458	ug/l	96
89)	p-Ethyltoluene	7.543	105	599067	63.3923	ug/l	92
90)	4-Chlorotoluene	7.610	91	353869	60.1100	ug/l	97
91)	n-Propylbenzene	7.488	91	627208	59.1239	ug/l	98
92)	Bromobenzene	7.458	77	342303	61.2680	ug/l	97
93)	1,3,5-Trimethylbenzene	7.574	105	409266	53.6127	ug/l	91
94)	Butyl methacrylate	7.580	41	204141	70.3236	ug/l	89
95)	t-Butylbenzene	7.769	119	438334	58.9491	ug/l	97
96)	1,2,4-Trimethylbenzene	7.793	105	482689	60.5443	ug/l	98
97)	sec-Butylbenzene	7.891	105	518281	61.8526	ug/l	100
98)	4-Isopropyltoluene	7.964	119	453757	60.6285	ug/l	97
99)	n-Butylbenzene	8.202	91	477487	66.3515	ug/l	96
100)	p-Diethylbenzene	8.183	119	257004	60.9554	ug/l	99
101)	1,2,4,5-Tetramethylben...	8.641	119	345658	62.5162	ug/l	94
102)	1,2-Dibromo-3-Chloropr...	8.702	157	26929	65.6578	ug/l	78
103)	Camphor	9.141	95	84051	816.6733	ug/l	97
104)	Hexachlorobutadiene	9.275	225	52110	45.0625	ug/l	93
105)	1,2,4-Trichlorobenzene	9.195	180	111280	56.5738	ug/l	99
106)	1,2,3-Trichlorobenzene	9.494	180	80969	67.8945	ug/l	98
107)	Naphthalene	9.354	128	233090	82.8192	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : CAL @ 50 PPB
Data File: 2M205526.D
Acq On : 11/06/24 22:11
Operator : WP
Sam Mult : 1 Vial# : 14
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/06/24 22:42
Qt Upd On: 11/06/24 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Time-->

Abundance
TIC: 2M205526.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 2M205526.D\data.ms
Chlorobenzene,P
Ethylbenzene
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
4-Chlorotoluene
sec-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205528.D Sam Mult : 1 Vial# : 16 Qt On : 11/06/24 23:05
Acq On : 11/06/24 22:50 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.092	96	236728	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.726	117	204930	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.012	152	130046	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	74940	31.90	ug/l	0.00
Spiked Amount 30.000			Recovery = 106.33%			
39) 1,2-Dichloroethane-d4	4.903	67	35082	32.78	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.27%			
66) Toluene-d8	5.952	98	276386	32.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 107.43%			
76) Bromofluorobenzene	7.360	174	95501	26.39	ug/l	0.00
Spiked Amount 30.000			Recovery = 87.97%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.696	51	367464	140.7846	ug/l	89
6) Dichlorodifluoromethane	1.690	85	393304	123.9848	ug/l	99
7) Chloromethane	1.855	50	303950	112.4154	ug/l	99
8) Bromomethane	2.257	94	241906	186.4303	ug/l	99
9) Vinyl Chloride	1.959	62	318686	132.1192	ug/l	96
10) Chloroethane	2.343	64	211841	187.0457	ug/l	98
11) Trichlorofluoromethane	2.568	101	602078	209.4581	ug/l	96
12) Ethyl ether	2.800	59	236965	195.5964	ug/l	99
13) Furan	2.843	39	464747	173.5322	ug/l	89
14) 1,1,2-Trichloro-1,2,2-...	2.995	101	265085	200.3459	ug/l	95
15) Methylene Chloride	3.410	84	232474	100.7063	ug/l	88
16) Acrolein	2.916	56	208769	1487.8164	ug/l	94
17) Acrylonitrile	3.617	53	68358	135.5610	ug/l	97
18) Iodomethane	3.147	142	503506	225.3147	ug/l	94
19) Acetone	3.044	43	384180	1237.7260	ug/l	94
20) Carbon Disulfide	3.208	76	799708	233.7102	ug/l	100
21) t-Butyl Alcohol	3.483	59	93977	741.1593	ug/l	91
22) n-Hexane	3.867	57	173409	111.3292	ug/l	91
23) Di-isopropyl-ether	4.025	45	716612	115.0455	ug/l	94
24) 1,1-Dichloroethene	3.007	61	493709	194.4078	ug/l	91
25) Methyl Acetate	3.318	43	125335	143.6014	ug/l	100
26) Methyl-t-butyl ether	3.641	73	612874	135.5845	ug/l	95
27) 1,1-Dichloroethane	3.995	63	453257	106.5130	ug/l	98
28) trans-1,2-Dichloroethene	3.647	96	261741	113.4459	ug/l	99
29) Ethyl-t-butyl ether	4.287	59	768239	121.4287	ug/l	97
30) cis-1,2-Dichloroethene	4.403	61	470832	116.4072	ug/l	90
31) Bromochloromethane	4.562	49	223200	116.5200	ug/l	92
32) 2,2-Dichloropropane	4.409	77	426684	116.9495	ug/l	98
33) Ethyl acetate	4.434	43	230669m	153.1351	ug/l	
34) 1,4-Dioxane	5.489	88	139501	7892.4630	ug/l	99
35) 1,1-Dichloropropene	4.818	75	390800	118.8574	ug/l	97
36) Chloroform	4.598	83	519078	115.2848	ug/l	100
38) Cyclohexane	4.763	56	294678	119.4657	ug/l	94
40) 1,2-Dichloroethane	4.946	62	430892	127.8649	ug/l	97
41) 2-Butanone	4.422	43	113883m	151.6780	ug/l	
42) 1,1,1-Trichloroethane	4.726	97	475856	114.4198	ug/l	99
43) Carbon Tetrachloride	4.830	117	434948	118.3189	ug/l	96
44) Vinyl Acetate	4.019	43	825827	128.0399	ug/l	100
45) Bromodichloromethane	5.562	83	428183	125.4783	ug/l	99
46) Methylcyclohexane	5.409	83	275524	128.5186	ug/l	96
47) Dibromomethane	5.495	174	209487	110.7243	ug/l	100
48) 1,2-Dichloropropane	5.421	63	280348	119.8915	ug/l	99
49) Trichloroethene	5.300	130	325541	109.5107	ug/l	99
50) Benzene	4.946	78	1108385	117.9914	ug/l	100
51) tert-Amyl methyl ether	4.989	73	753122	140.7757	ug/l	100
53) Iso-propylacetate	4.946	43	466552	146.6943	ug/l	97
54) Methyl methacrylate	5.452	41	252330	153.4428	ug/l	87
55) Dibromochloromethane	6.415	129	342330	122.9055	ug/l	98
56) 2-Chloroethylvinylether	5.702	63	34378m	2639.8703	ug/l	
57) cis-1,3-Dichloropropene	5.799	75	485958	128.5933	ug/l	98
58) trans-1,3-Dichloropropene	6.086	75	446064	134.3006	ug/l	100
59) Ethyl methacrylate	6.104	41	256445	148.5033	ug/l	87
60) 1,1,2-Trichloroethane	6.190	97	257922	125.3575	ug/l	92
61) 1,2-Dibromoethane	6.494	107	275049	128.8225	ug/l	100
62) 1,3-Dichloropropane	6.287	76	443354	127.8609	ug/l	99
63) 4-Methyl-2-Pentanone	5.866	43	233304	155.9155	ug/l	94
64) 2-Hexanone	6.299	43	164603	155.7453	ug/l	94
65) Tetrachloroethene	6.287	164	246113	101.3072	ug/l	99
67) Toluene	5.988	92	737246	118.6825	ug/l	97

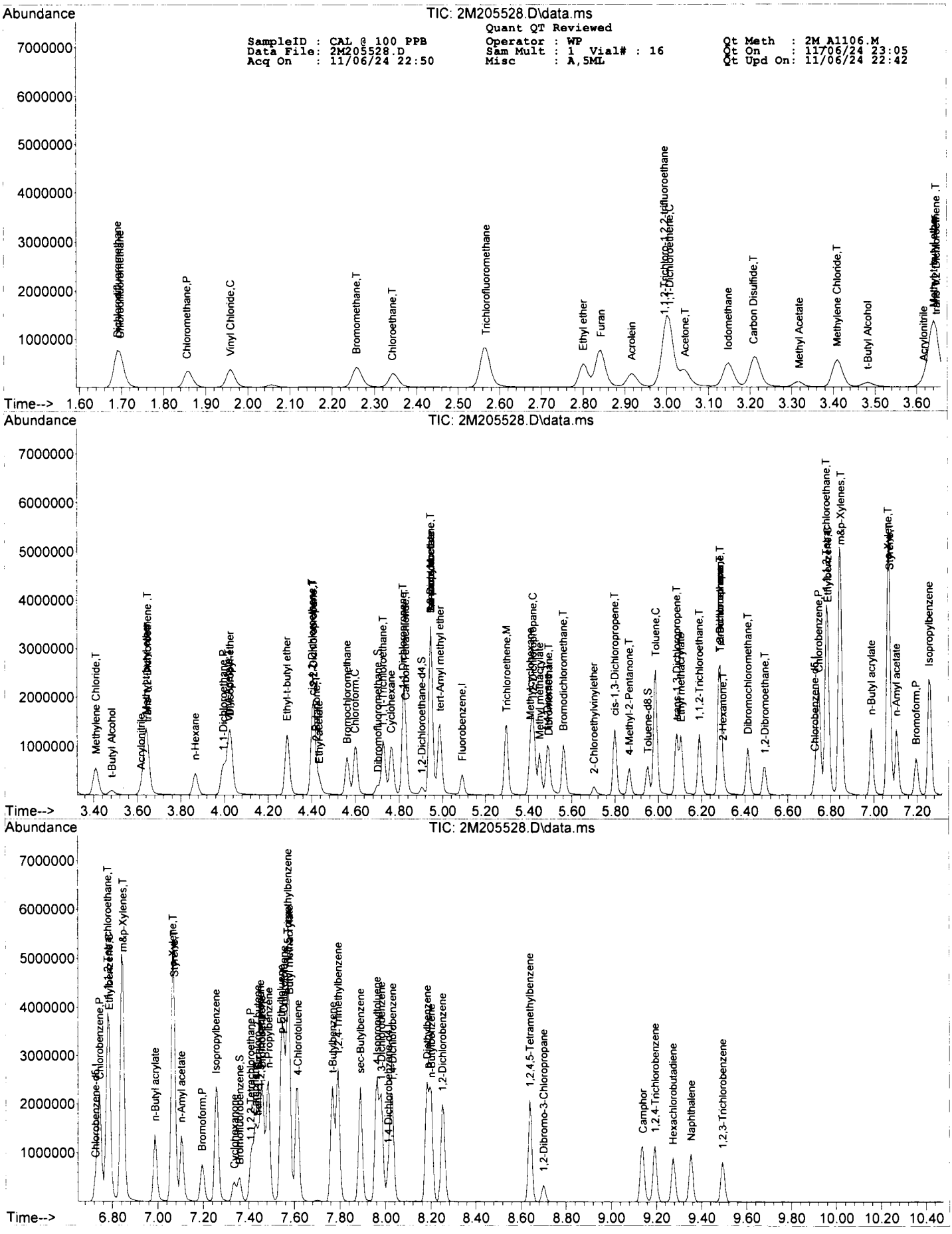
Quantitation Report (QT Reviewed)

SampleID : CAL @ 100 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205528.D Sam Mult : 1 Vial# : 16 Qt On : 11/06/24 23:05
Acq On : 11/06/24 22:50 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,1,1,2-Tetrachloroethane	6.781	133	304391	112.3534	ug/l	98
69) Chlorobenzene	6.744	112	810361	112.3787	ug/l	99
71) n-Butyl acrylate	6.988	55	599505	137.1028	ug/l	98
72) n-Amyl acetate	7.104	43	492879	150.5657	ug/l	96
73) Bromoform	7.196	173	239914	107.5156	ug/l	97
74) Ethylbenzene	6.787	106	373056	105.1949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	7.409	83	352564	129.9558	ug/l	98
77) Styrene	7.074	104	970610	111.6249	ug/l	99
78) m&p-Xylenes	6.848	106	1074982	206.4345	ug/l	97
79) o-Xylene	7.067	106	545751	104.7113	ug/l	97
80) trans-1,4-Dichloro-2-b...	7.439	53	122198	139.3350	ug/l	92
81) 1,3-Dichlorobenzene	7.982	146	655955	108.3270	ug/l	98
82) 1,4-Dichlorobenzene	8.031	146	667228	110.3923	ug/l	99
83) 1,2-Dichlorobenzene	8.250	146	618813	112.2118	ug/l	98
84) Isopropylbenzene	7.256	105	1179960	105.5408	ug/l	98
85) Cyclohexanone	7.336	55	113470	1442.2009	ug/l	92
86) Camphene	7.427	93	258485	113.6048	ug/l	95
87) 1,2,3-Trichloropropane	7.452	75	423389	138.1387	ug/l	97
88) 2-Chlorotoluene	7.555	91	843955	124.6269	ug/l	96
89) p-Ethyltoluene	7.543	105	1355845	121.9301	ug/l	93
90) 4-Chlorotoluene	7.616	91	818453	118.1512	ug/l	98
91) n-Propylbenzene	7.488	91	1438154	115.2117	ug/l	98
92) Bromobenzene	7.458	77	772812	117.5538	ug/l	97
93) 1,3,5-Trimethylbenzene	7.573	105	959694	106.8403	ug/l	92
94) Butyl methacrylate	7.580	41	453437	132.7480	ug/l	94
95) t-Butylbenzene	7.769	119	989836	113.1293	ug/l	97
96) 1,2,4-Trimethylbenzene	7.793	105	1095022	116.7263	ug/l	100
97) sec-Butylbenzene	7.891	105	1185779	120.2642	ug/l	100
98) 4-Isopropyltoluene	7.964	119	1042446	118.3714	ug/l	98
99) n-Butylbenzene	8.201	91	1075135	126.9673	ug/l	97
100) p-Diethylbenzene	8.183	119	581658	117.2410	ug/l	98
101) 1,2,4,5-Tetramethylben...	8.640	119	790500	121.5032	ug/l	95
102) 1,2-Dibromo-3-Chloropr...	8.701	157	68712	142.3767	ug/l	84
103) Camphor	9.140	95	219135	1809.4941	ug/l	96
104) Hexachlorobutadiene	9.274	225	118986	87.4441	ug/l	96
105) 1,2,4-Trichlorobenzene	9.195	180	253048	109.3303	ug/l	98
106) 1,2,3-Trichlorobenzene	9.494	180	181319	129.2108	ug/l	96
107) Naphthalene	9.354	128	560654	169.2942	ug/l	100

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


Abundance
TIC: 2M205528.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 100 PPB
Data File: 2M205528.D
Acq On : 11/06/24 22:50
Operator : WP
Sam Mult : 1 Vial# : 16
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/06/24 23:05
Qt Upd On: 11/06/24 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 2M205528.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methyl methacrylate
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
Ethyl methacrylate
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 2M205528.D\data.ms
Chlorobenzene-d5,I
Chlorobenzene,P
Ethylbenzene,T
m&p-Xylenes,T
o-Xylene,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone,S
1,1,2,2-Tetrachloroethane,P
n-Propylbenzene
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205531.D Sam Mult : 1 Vial# : 19 Qt On : 11/07/24 00:31
Acq On : 11/06/24 23:48 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	253073	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	237929	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	151966	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	82935	33.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.07%			
39) 1,2-Dichloroethane-d4	4.904	67	37718	32.97	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.90%			
66) Toluene-d8	5.952	98	293939	29.52	ug/l	0.00
Spiked Amount 30.000			Recovery = 98.40%			
76) Bromofluorobenzene	7.361	174	107393	25.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 84.67%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.697	51	920369	329.8423	ug/l	89
6) Dichlorodifluoromethane	1.691	85	987453	291.1792	ug/l	99
7) Chloromethane	1.855	50	770311	266.4978	ug/l	100
8) Bromomethane	2.252	94	772179	556.6621	ug/l	99
9) Vinyl Chloride	1.959	62	807309	313.0737	ug/l	98
10) Chloroethane	2.343	64	569844	470.6493	ug/l	98
11) Trichlorofluoromethane	2.563	101	1567639	510.1458	ug/l	98
12) Ethyl ether	2.800	59	619708	478.4842	ug/l	98
13) Furan	2.843	39	1220897	426.4286	ug/l	88
14) 1,1,2-Trichloro-1,2,2-...	2.995	101	714584	505.1872	ug/l	96
15) Methylene Chloride	3.410	84	614890	249.1629	ug/l	90
16) Acrolein	2.916	56	545288	3635.0726	ug/l	97
17) Acrylonitrile	3.617	53	183341	340.1016	ug/l	98
18) Iodomethane	3.148	142	1305201	546.3439	ug/l	95
19) Acetone	3.044	43	928578	2798.4141	ug/l	93
20) Carbon Disulfide	3.209	76	2112871	577.5945	ug/l	100
21) t-Butyl Alcohol	3.483	59	237586	1752.7285	ug/l	92
22) n-Hexane	3.867	57	460910	276.7945	ug/l	93
23) Di-isopropyl-ether	4.026	45	1939583	291.2714	ug/l	96
24) 1,1-Dichloroethene	3.002	61	1309113	482.1959	ug/l	90
25) Methyl Acetate	3.312	43	308315	330.4340	ug/l	100
26) Methyl-t-butyl ether	3.636	73	1672969	346.2029	ug/l	96
27) 1,1-Dichloroethane	3.995	63	1245265	273.7309	ug/l	98
28) trans-1,2-Dichloroethene	3.642	96	712103	288.7111	ug/l	95
29) Ethyl-t-butyl ether	4.288	59	2099020	310.3454	ug/l	97
30) cis-1,2-Dichloroethene	4.404	61	1268866	293.4495	ug/l	94
31) Bromochloromethane	4.562	49	565128	275.9670	ug/l	91
32) 2,2-Dichloropropane	4.410	77	1164122	298.4656	ug/l	99
33) Ethyl acetate	4.434	43	590798m	366.8836	ug/l	
34) 1,4-Dioxane	5.489	88	356964	18891.3705	ug/l	98
35) 1,1-Dichloropropene	4.818	75	1028564	292.6219	ug/l	96
36) Chloroform	4.599	83	1412582	293.4655	ug/l	100
38) Cyclohexane	4.763	56	766908	290.8322	ug/l	95
40) 1,2-Dichloroethane	4.946	62	1137003	315.6082	ug/l	100
41) 2-Butanone	4.410	43	230951m	287.7315	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	1300247	292.4524	ug/l	98
43) Carbon Tetrachloride	4.824	117	1174576	298.8834	ug/l	96
44) Vinyl Acetate	4.020	43	2233346	323.9037	ug/l	100
45) Bromodichloromethane	5.562	83	1129592	309.6453	ug/l	98
46) Methylcyclohexane	5.410	83	710176	309.8678	ug/l	97
47) Dibromomethane	5.495	174	555176	274.4861	ug/l	99
48) 1,2-Dichloropropane	5.422	63	728193	291.3006	ug/l	98
49) Trichloroethene	5.300	130	849114	267.1903	ug/l	99
50) Benzene	4.946	78	2930300	291.7935	ug/l	100
51) tert-Amyl methyl ether	4.989	73	1930288	337.5112	ug/l	99
53) Iso-propylacetate	4.946	43	1185293	320.9941	ug/l	99
54) Methyl methacrylate	5.452	41	586427	307.1495	ug/l	96
55) Dibromochloromethane	6.416	129	924568	285.9062	ug/l	100
56) 2-Chloroethylvinylether	5.702	63	144455	9554.1648	ug/l	98
57) cis-1,3-Dichloropropene	5.800	75	1280742	291.9035	ug/l	99
58) trans-1,3-Dichloropropene	6.086	75	1227453	318.3053	ug/l	100
59) Ethyl methacrylate	6.105	41	668936	333.6449	ug/l	90
60) 1,1,2-Trichloroethane	6.190	97	688426	288.1889	ug/l	93
61) 1,2-Dibromoethane	6.495	107	733948	296.0773	ug/l	99
62) 1,3-Dichloropropane	6.288	76	1152598	286.3012	ug/l	100
63) 4-Methyl-2-Pentanone	5.867	43	591302	340.3570	ug/l	94
64) 2-Hexanone	6.300	43	408177	332.6471	ug/l	95
65) Tetrachloroethene	6.288	164	670322	237.6551	ug/l	98
67) Toluene	5.989	92	2031628	281.6935	ug/l	98

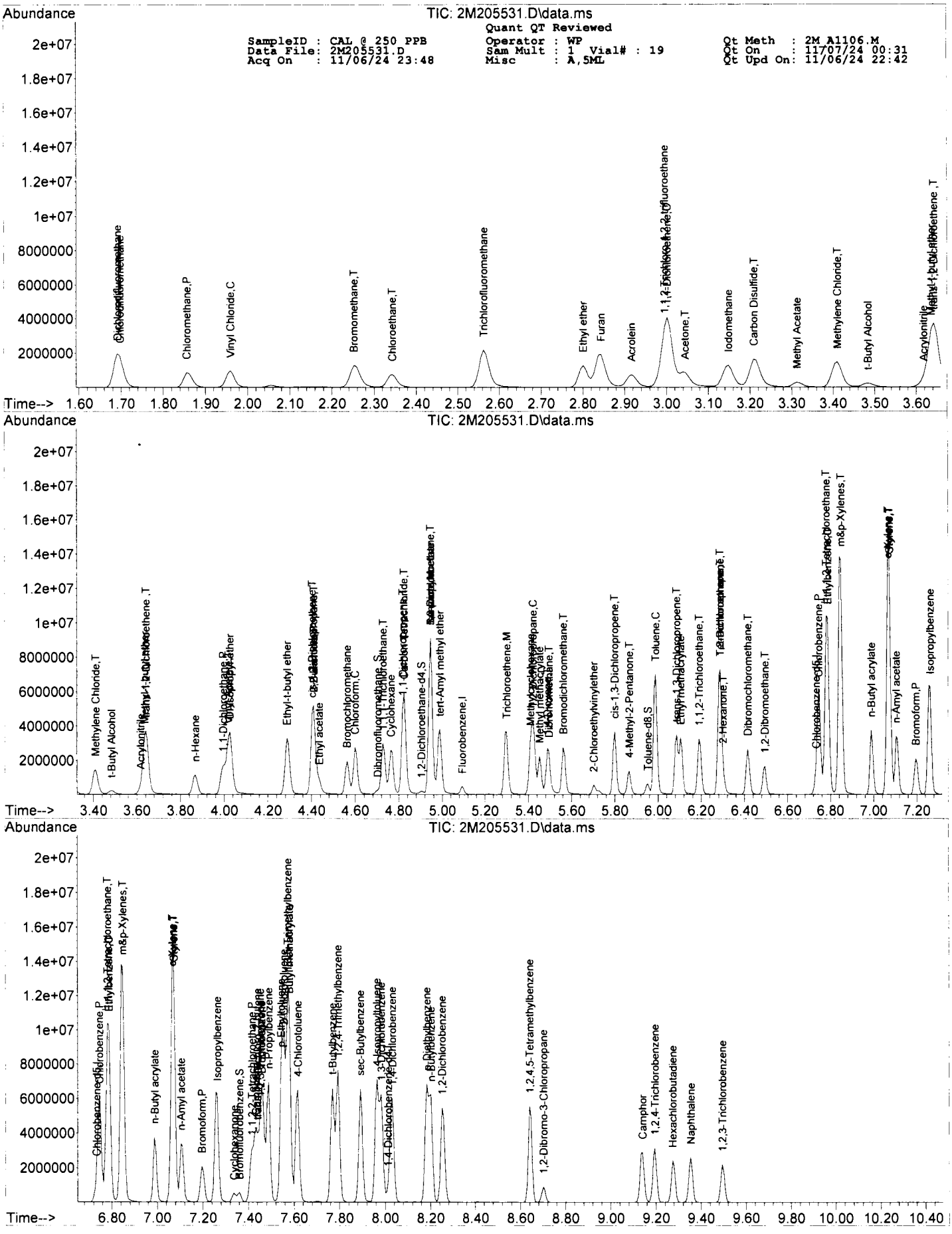
Quantitation Report (QT Reviewed)

SampleID : CAL @ 250 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205531.D Sam Mult : 1 Vial# : 19 Qt On : 11/07/24 00:31
Acq On : 11/06/24 23:48 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.781	133	863491	274.5178	ug/l	98
69)	Chlorobenzene	6.745	112	2238640	267.3916	ug/l	100
71)	n-Butyl acrylate	6.989	55	1613471	315.7658	ug/l	98
72)	n-Amyl acetate	7.104	43	1290791	337.4365	ug/l	97
73)	Bromoform	7.196	173	676752	259.5350	ug/l	97
74)	Ethylbenzene	6.787	106	1032371	249.1191	ug/l	100
75)	1,1,2,2-Tetrachloroethane	7.415	83	892193	281.4279	ug/l	98
77)	Styrene	7.074	104	2824768	278.0031	ug/l	100
78)	m&p-Xylenes	6.848	106	2955122	485.6317	ug/l	97
79)	o-Xylene	7.068	106	1589923	261.0512	ug/l	98
80)	trans-1,4-Dichloro-2-b...	7.440	53	326072	318.1708	ug/l	98
81)	1,3-Dichlorobenzene	7.982	146	1874197	264.8673	ug/l	99
82)	1,4-Dichlorobenzene	8.031	146	1881150	266.3413	ug/l	99
83)	1,2-Dichlorobenzene	8.251	146	1752135	271.8924	ug/l	99
84)	Isopropylbenzene	7.263	105	3232253	247.4053	ug/l	99
85)	Cyclohexanone	7.336	55	148138	1611.2456	ug/l	95
86)	Camphene	7.434	93	686069	258.0356	ug/l	97
87)	1,2,3-Trichloropropane	7.452	75	1134731	316.8249	ug/l	97
88)	2-Chlorotoluene	7.556	91	2219551	280.4841	ug/l	97
89)	p-Ethyltoluene	7.543	105	3661346	281.7684	ug/l	99
90)	4-Chlorotoluene	7.617	91	2301173	284.2786	ug/l	98
91)	n-Propylbenzene	7.489	91	3831220	262.6509	ug/l	100
92)	Bromobenzene	7.458	77	2075235	270.1350	ug/l	96
93)	1,3,5-Trimethylbenzene	7.574	105	2715403	258.6945	ug/l	99
94)	Butyl methacrylate	7.580	41	1189829	298.0892	ug/l	99
95)	t-Butylbenzene	7.769	119	2769629	270.8843	ug/l	99
96)	1,2,4-Trimethylbenzene	7.793	105	3029549	276.3596	ug/l	99
97)	sec-Butylbenzene	7.891	105	3227125	280.0908	ug/l	98
98)	4-Isopropyltoluene	7.964	119	2909808	282.7537	ug/l	99
99)	n-Butylbenzene	8.202	91	2921851	295.2824	ug/l	98
100)	p-Diethylbenzene	8.184	119	1643353	283.4610	ug/l	99
101)	1,2,4,5-Tetramethylben...	8.641	119	2237314	294.2817	ug/l	96
102)	1,2-Dibromo-3-Chloropr...	8.702	157	190821	338.3632	ug/l	87
103)	Camphor	9.141	95	569222	4022.3298	ug/l	99
104)	Hexachlorobutadiene	9.275	225	321154	201.9754	ug/l	95
105)	1,2,4-Trichlorobenzene	9.196	180	721251	266.6704	ug/l	98
106)	1,2,3-Trichlorobenzene	9.494	180	501276	305.6912	ug/l	97
107)	Naphthalene	9.354	128	1523887	393.7771	ug/l	100

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


Abundance
TIC: 2M205531.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 250 PPB
Data File: 2M205531.D
Acq On : 11/06/24 23:48
Operator : WP
Sam Mult : 1 Vial# : 19
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/07/24 00:31
Qt Upd On: 11/06/24 22:42
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205534.D Sam Mult : 1 Vial# : 22 Qt On : 11/07/24 01:36
Acq On : 11/07/24 00:47 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	270635	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	250574	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.019	152	163150	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.703	111	87136	32.44	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.13%			
39) 1,2-Dichloroethane-d4	4.904	67	39646	32.41	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.03%			
66) Toluene-d8	5.952	98	316977	30.23	ug/l	0.00
Spiked Amount 30.000			Recovery = 100.77%			
76) Bromofluorobenzene	7.361	174	117234	25.82	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.07%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.697	51	1875711	628.5967	ug/l	91
6) Dichlorodifluoromethane	1.685	85	1968096	542.6903	ug/l	99
7) Chloromethane	1.855	50	1587261	513.4967	ug/l	100
8) Bromomethane	2.246	94	2291987	1545.0682	ug/l	100
9) Vinyl Chloride	1.959	62	1653689	599.6840	ug/l	98
10) Chloroethane	2.337	64	1303387	1006.6458	ug/l	97
11) Trichlorofluoromethane	2.563	101	3421248	1041.1053	ug/l	98
12) Ethyl ether	2.800	59	1334209	963.3104	ug/l	98
13) Furan	2.837	39	2579600	842.5226	ug/l	90
14) 1,1,2-Trichloro-1,2,2-...	2.996	101	1551314	1025.5588	ug/l	96
15) Methylene Chloride	3.410	84	1363031	516.4800	ug/l	92
16) Acrolein	2.916	56	1168321	7283.0146	ug/l	96
17) Acrylonitrile	3.617	53	393291	682.2208	ug/l	98
18) Iodomethane	3.142	142	2675443	1047.2402	ug/l	92
19) Acetone	3.044	43	1910459	5383.8527	ug/l	95
20) Carbon Disulfide	3.209	76	4561009	1165.9309	ug/l	100
21) t-Butyl Alcohol	3.483	59	514114	3546.6235	ug/l	92
22) n-Hexane	3.867	57	980812	550.7937	ug/l	94
23) Di-isopropyl-ether	4.026	45	4188121	588.1261	ug/l	97
24) 1,1-Dichloroethene	3.002	61	2880971	992.3095	ug/l	94
25) Methyl Acetate	3.313	43	651214	652.6430	ug/l	100
26) Methyl-t-butyl ether	3.636	73	3633107	703.0445	ug/l	97
27) 1,1-Dichloroethane	3.995	63	2653419	545.4183	ug/l	98
28) trans-1,2-Dichloroethene	3.642	96	1564217	593.0340	ug/l	97
29) Ethyl-t-butyl ether	4.288	59	4513435	624.0189	ug/l	98
30) cis-1,2-Dichloroethene	4.404	61	2728290	590.0245	ug/l	97
31) Bromochloromethane	4.562	49	1133512	517.6047	ug/l	93
32) 2,2-Dichloropropane	4.410	77	2525432	605.4709	ug/l	99
33) Ethyl acetate	4.434	43	1243395m	722.0383	ug/l	
34) 1,4-Dioxane	5.489	88	759489	37585.6779	ug/l	98
35) 1,1-Dichloropropene	4.818	75	2249036	598.3203	ug/l	94
36) Chloroform	4.599	83	2944310	571.9904	ug/l	99
38) Cyclohexane	4.763	56	1594646	565.4906	ug/l	95
40) 1,2-Dichloroethane	4.946	62	2559226	664.2891	ug/l	99
41) 2-Butanone	4.422	43	623149m	725.9744	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	2718753	571.8222	ug/l	99
43) Carbon Tetrachloride	4.824	117	2614615	622.1430	ug/l	96
44) Vinyl Acetate	4.020	43	4782211	648.5606	ug/l	100
45) Bromodichloromethane	5.562	83	2404669	616.3963	ug/l	97
46) Methylcyclohexane	5.410	83	1522435	621.1708	ug/l	98
47) Dibromomethane	5.495	174	1230665	568.9725	ug/l	99
48) 1,2-Dichloropropane	5.422	63	1544731	577.8426	ug/l	100
49) Trichloroethene	5.300	130	1803870	530.7888	ug/l	100
50) Benzene	4.946	78	6485194	603.8769	ug/l	100
51) tert-Amyl methyl ether	4.989	73	4207703	687.9756	ug/l	99
53) Iso-propylacetate	4.946	43	2619814	673.6792	ug/l	98
54) Methyl methacrylate	5.452	41	1221398	607.4414	ug/l	97
55) Dibromochloromethane	6.416	129	1999529	587.1157	ug/l	100
56) 2-Chloroethylvinylether	5.702	63	341261	21431.7770	ug/l	99
57) cis-1,3-Dichloropropene	5.800	75	2721501	588.9759	ug/l	100
58) trans-1,3-Dichloropropene	6.086	75	2643914	651.0251	ug/l	98
59) Ethyl methacrylate	6.105	41	1384136	655.5262	ug/l	94
60) 1,1,2-Trichloroethane	6.190	97	1491094	592.7020	ug/l	93
61) 1,2-Dibromoethane	6.495	107	1537595	588.9699	ug/l	99
62) 1,3-Dichloropropane	6.288	76	2589795	610.8324	ug/l	100
63) 4-Methyl-2-Pentanone	5.867	43	1231610	673.1470	ug/l	95
64) 2-Hexanone	6.300	43	863072	667.8726	ug/l	93
65) Tetrachloroethene	6.288	164	1587278	534.3528	ug/l	99
67) Toluene	5.989	92	4413388	581.0534	ug/l	93

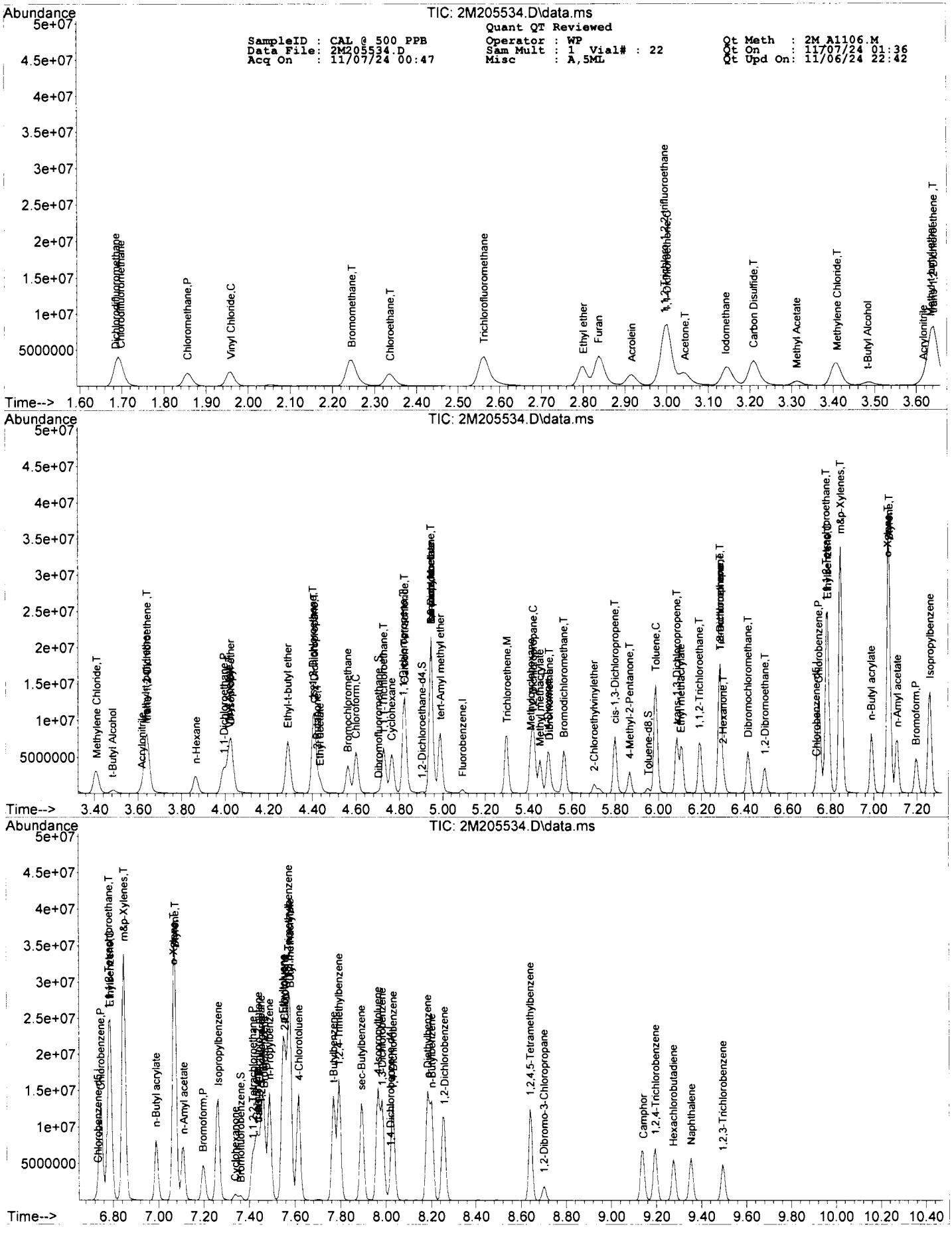
Quantitation Report (QT Reviewed)

SampleID : CAL @ 500 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205534.D Sam Mult : 1 Vial# : 22 Qt On : 11/07/24 01:36
Acq On : 11/07/24 00:47 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.781	133	2062497	622.6119	ug/l	98
69)	Chlorobenzene	6.745	112	4841623	549.1183	ug/l	97
71)	n-Butyl acrylate	6.989	55	3483916	635.0838	ug/l	100
72)	n-Amyl acetate	7.111	43	2719082	662.0912	ug/l	98
73)	Bromoform	7.196	173	1533312	547.7171	ug/l	100
74)	Ethylbenzene	6.788	106	2588591	581.8273	ug/l	78
75)	1,1,2,2-Tetrachloroethane	7.415	83	1904755	559.6375	ug/l	99
77)	Styrene	7.074	104	6415810	588.1358	ug/l	97
78)	m&p-Xylenes	6.848	106	6980357	1068.4854	ug/l	62
79)	o-Xylene	7.068	106	3781834	578.3775	ug/l	87
80)	trans-1,4-Dichloro-2-b...	7.440	53	701951	637.9886	ug/l	99
81)	1,3-Dichlorobenzene	7.982	146	4060400	534.4922	ug/l	100
82)	1,4-Dichlorobenzene	8.031	146	4124926	543.9897	ug/l	100
83)	1,2-Dichlorobenzene	8.257	146	3784381	546.9955	ug/l	100
84)	Isopropylbenzene	7.263	105	6826262	486.6828	ug/l	98
85)	Cyclohexanone	7.336	55	232917	2359.6947	ug/l	97
86)	Camphene	7.434	93	1553851	544.3530	ug/l	97
87)	1,2,3-Trichloropropane	7.452	75	2458510	639.3781	ug/l	98
88)	2-Chlorotoluene	7.556	91	4596356	541.0236	ug/l	94
89)	p-Ethyltoluene	7.550	105	7719119	553.3229	ug/l	96
90)	4-Chlorotoluene	7.617	91	4957188	570.4134	ug/l	94
91)	n-Propylbenzene	7.489	91	7916895	505.5406	ug/l	96
92)	Bromobenzene	7.464	77	4528206	549.0338	ug/l	94
93)	1,3,5-Trimethylbenzene	7.574	105	6183746	548.7366	ug/l	96
94)	Butyl methacrylate	7.580	41	2578282	601.6604	ug/l	97
95)	t-Butylbenzene	7.769	119	6004431	547.0078	ug/l	99
96)	1,2,4-Trimethylbenzene	7.793	105	6342297	538.8930	ug/l	96
97)	sec-Butylbenzene	7.891	105	6836932	552.7181	ug/l	96
98)	4-Isopropyltoluene	7.964	119	6144982	556.1909	ug/l	98
99)	n-Butylbenzene	8.202	91	6121520	576.2331	ug/l	99
100)	p-Diethylbenzene	8.184	119	3609602	579.9375	ug/l	100
101)	1,2,4,5-Tetramethylben...	8.641	119	4864834	596.0240	ug/l	98
102)	1,2-Dibromo-3-Chloropr...	8.702	157	426450	704.3433	ug/l	92
103)	Camphor	9.141	95	1324702	8719.1379	ug/l	99
104)	Hexachlorobutadiene	9.275	225	763531	447.2715	ug/l	96
105)	1,2,4-Trichlorobenzene	9.196	180	1726721	594.6616	ug/l	99
106)	1,2,3-Trichlorobenzene	9.494	180	1150648	653.5938	ug/l	98
107)	Naphthalene	9.354	128	3416440	822.3010	ug/l	100

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


Abundance
TIC: 2M205534.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 500 PPB
Data File: 2M205534.D
Acq On : 11/07/24 00:47
Operator : WP
Sam Mult : 1 Vial# : 22
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/07/24 01:36
Qt Upd On: 11/06/24 22:42
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->

Abundance
TIC: 2M205534.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene,C
Toluene-d8,S
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 2M205534.D\data.ms
Chlorobenzene-d5,I
m&p-Xylenes,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone,S
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205523.D Sam Mult : 1 Vial# : 11 Qt On : 11/06/24 22:45
Acq On : 11/06/24 21:13 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	196597	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	166282	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	82745	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	63555	32.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.57%			
39) 1,2-Dichloroethane-d4	4.904	67	29442	33.13	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.43%			
66) Toluene-d8	5.952	98	220658	31.71	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.70%			
76) Bromofluorobenzene	7.361	174	67051	29.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.07%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.703	51	3375m	1.5570	ug/l	
6) Dichlorodifluoromethane	1.685	85	3304	1.2542	ug/l	77
7) Chloromethane	1.855	50	3702	1.6487	ug/l	99
8) Bromomethane	2.258	94	2517	2.3357	ug/l	87
9) Vinyl Chloride	1.953	62	3163	1.5790	ug/l	95
10) Chloroethane	2.349	64	2219m	2.3592	ug/l	
11) Trichlorofluoromethane	2.563	101	5151	2.1578	ug/l	98
12) Ethyl ether	2.800	59	2420	2.4053	ug/l	93
13) Furan	2.843	39	4570m	2.0547	ug/l	
14) 1,1,2-Trichloro-1,2,2-...	3.002	101	1621	1.4752	ug/l	87
15) Methylene Chloride	3.410	84	2616	1.3646	ug/l	92
16) Acrolein	2.922	56	2053m	17.6175	ug/l	
17) Acrylonitrile	3.623	53	642m	1.5330	ug/l	
18) Iodomethane	3.142	142	3666	1.9754	ug/l	100
19) Acetone	3.044	43	3812m	14.7882	ug/l	
20) Carbon Disulfide	3.215	76	8597	3.0253	ug/l	100
21) t-Butyl Alcohol	3.489	59	1033m	9.8099	ug/l	
22) n-Hexane	3.873	57	1016m	0.7854	ug/l	
23) Di-isopropyl-ether	4.026	45	6325	1.2227	ug/l	86
24) 1,1-Dichloroethene	3.008	61	4695	2.2261	ug/l	92
25) Methyl Acetate	3.313	43	1207m	1.6652	ug/l	
26) Methyl-t-butyl ether	3.636	73	5312	1.4150	ug/l	88
27) 1,1-Dichloroethane	3.995	63	3977	1.1253	ug/l	84
28) trans-1,2-Dichloroethene	3.648	96	2536	1.3235	ug/l	88
29) Ethyl-t-butyl ether	4.282	59	6583	1.2529	ug/l	98
30) cis-1,2-Dichloroethene	4.404	61	4268	1.2706	ug/l	85
31) Bromochloromethane	4.562	49	2224	1.3980	ug/l	87
32) 2,2-Dichloropropane	4.410	77	3578	1.1809	ug/l	89
33) Ethyl acetate	4.440	43	2108m	1.6851	ug/l	
34) 1,4-Dioxane	5.489	88	1200	81.7503	ug/l	81
35) 1,1-Dichloropropene	4.824	75	3261	1.1942	ug/l	88
36) Chloroform	4.599	83	4632	1.2387	ug/l	91
38) Cyclohexane	4.770	56	1568	0.7654	ug/l	83
40) 1,2-Dichloroethane	4.952	62	3919	1.4003	ug/l	96
41) 2-Butanone	4.410	43	778m	1.2477	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	3759	1.0884	ug/l	80
43) Carbon Tetrachloride	4.831	117	3094	1.0135	ug/l	92
44) Vinyl Acetate	4.026	43	6348	1.1851	ug/l	100
45) Bromodichloromethane	5.562	83	3136	1.1066	ug/l	94
46) Methylcyclohexane	5.410	83	1309	0.7352	ug/l	79
47) Dibromomethane	5.489	174	1641	1.0444	ug/l	84
48) 1,2-Dichloropropane	5.422	63	2195	1.1303	ug/l	77
49) Trichloroethene	5.294	130	2468	0.9997	ug/l	95
50) Benzene	4.946	78	8582	1.1001	ug/l	100
51) tert-Amyl methyl ether	4.989	73	6361	1.4317	ug/l	99
53) Iso-propylacetate	4.946	43	3864	1.4973	ug/l	96
54) Methyl methacrylate	5.458	41	1756	1.3160	ug/l	80
55) Dibromochloromethane	6.422	129	2224	0.9841	ug/l	88
56) 2-Chloroethylvinylether	5.702	63	160m	15.1420	ug/l	
57) cis-1,3-Dichloropropene	5.800	75	3253	1.0609	ug/l	90
58) trans-1,3-Dichloropropene	6.092	75	2924m	1.0850	ug/l	
59) Ethyl methacrylate	6.105	41	2477	1.7678	ug/l	59
60) 1,1,2-Trichloroethane	6.190	97	2181	1.3064	ug/l	88
61) 1,2-Dibromoethane	6.489	107	1826	1.0540	ug/l	92
62) 1,3-Dichloropropane	6.288	76	3689	1.3112	ug/l	90
63) 4-Methyl-2-Pentanone	5.873	43	2124	1.7494	ug/l	96
64) 2-Hexanone	6.306	43	1443	1.6827	ug/l	80
65) Tetrachloroethene	6.281	164	1649	0.8365	ug/l	93
67) Toluene	5.989	92	5954	1.1813	ug/l	95

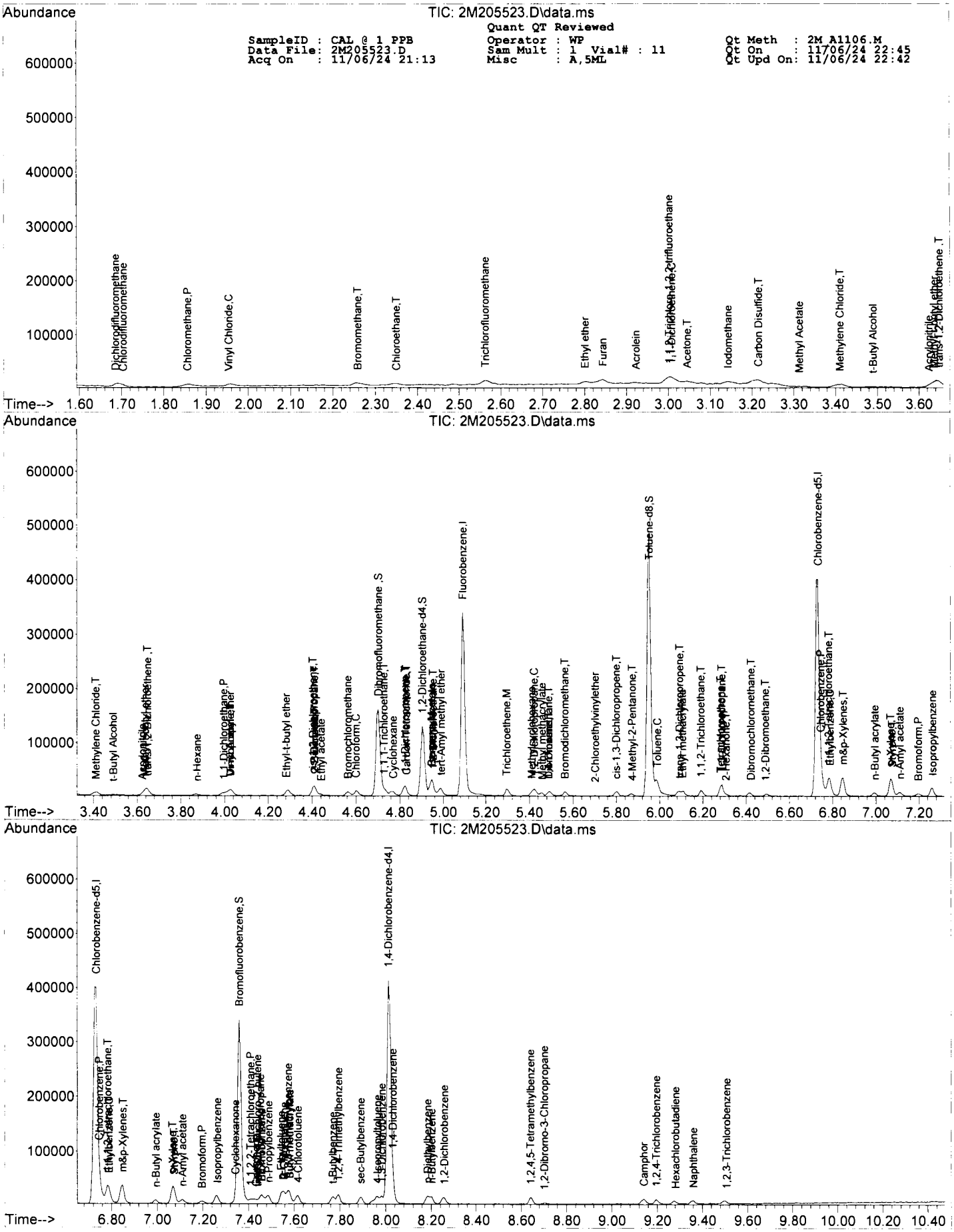
Quantitation Report (QT Reviewed)

SampleID : CAL @ 1 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205523.D Sam Mult : 1 Vial# : 11 Qt On : 11/06/24 22:45
Acq On : 11/06/24 21:13 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.781	133	2088	0.9498	ug/l	84
69)	Chlorobenzene	6.745	112	6304	1.0774	ug/l	94
71)	n-Butyl acrylate	6.995	55	3587	1.2893	ug/l	97
72)	n-Amyl acetate	7.111	43	3427	1.6453	ug/l	89
73)	Bromoform	7.196	173	1393	0.9811	ug/l	85
74)	Ethylbenzene	6.787	106	2345	1.0392	ug/l	69
75)	1,1,2,2-Tetrachloroethane	7.409	83	2170	1.2571	ug/l	93
77)	Styrene	7.074	104	5722	1.0342	ug/l	94
78)	m&p-Xylenes	6.848	106	7513	2.2675	ug/l	95
79)	o-Xylene	7.068	106	3732	1.1254	ug/l	77
80)	trans-1,4-Dichloro-2-b...	7.440	53	797	1.4283	ug/l	64
81)	1,3-Dichlorobenzene	7.982	146	3942m	1.0231	ug/l	
82)	1,4-Dichlorobenzene	8.031	146	4223	1.0981	ug/l	69
83)	1,2-Dichlorobenzene	8.257	146	3902	1.1120	ug/l	97
84)	Isopropylbenzene	7.263	105	7295	1.0255	ug/l	94
85)	Cyclohexanone	7.342	55	870m	17.3788	ug/l	
86)	Camphene	7.434	93	1232	0.8510	ug/l	93
87)	1,2,3-Trichloropropane	7.452	75	2795	1.4332	ug/l	97
88)	2-Chlorotoluene	7.556	91	4921	1.1421	ug/l	93
89)	p-Ethyltoluene	7.543	105	8171	1.1549	ug/l	99
90)	4-Chlorotoluene	7.617	91	4646	1.0541	ug/l	89
91)	n-Propylbenzene	7.489	91	8686	1.0936	ug/l	100
92)	Bromobenzene	7.458	77	5032	1.2030	ug/l	95
93)	1,3,5-Trimethylbenzene	7.574	105	5134	0.8983	ug/l	88
94)	Butyl methacrylate	7.580	41	2994	1.3776	ug/l	77
95)	t-Butylbenzene	7.769	119	5596	1.0052	ug/l	94
96)	1,2,4-Trimethylbenzene	7.793	105	6576	1.1017	ug/l	99
97)	sec-Butylbenzene	7.891	105	6245	0.9955	ug/l	94
98)	4-Isopropyltoluene	7.964	119	5428	0.9687	ug/l	92
99)	n-Butylbenzene	8.202	91	5152	0.9562	ug/l	88
100)	p-Diethylbenzene	8.184	119	3237	1.0254	ug/l	88
101)	1,2,4,5-Tetramethylben...	8.641	119	4926	1.1900	ug/l	92
102)	1,2-Dibromo-3-Chloropr...	8.702	157	294	0.9574	ug/l	57
103)	Camphor	9.141	95	1874	24.3204	ug/l	99
104)	Hexachlorobutadiene	9.281	225	868	1.0026	ug/l	90
105)	1,2,4-Trichlorobenzene	9.196	180	1858	1.2616	ug/l	87
106)	1,2,3-Trichlorobenzene	9.507	180	1363	1.5265	ug/l	90
107)	Naphthalene	9.360	128	3831	1.8181	ug/l	100

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


Abundance
TIC: 2M205523.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 1 PPB
Data File: 2M205523.D
Acq On : 11/06/24 21:13
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/06/24 22:45
Qt Upd On: 11/06/24 22:42
Time-->

Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205518.D Sam Mult : 1 Vial# : 7 Qt On : 11/06/24 22:54
Acq On : 11/06/24 19:35 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	203350	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	168832	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	84547	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	66132	32.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.23%			
39) 1,2-Dichloroethane-d4	4.904	67	31549	34.32	ug/l	0.00
Spiked Amount 30.000			Recovery = 114.40%			
66) Toluene-d8	5.952	98	223413	31.62	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.40%			
76) Bromofluorobenzene	7.361	174	68508	29.12	ug/l	0.00
Spiked Amount 30.000			Recovery = 97.07%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	0.000		0	N.D.	d	
6) Dichlorodifluoromethane	0.000		0	N.D.	d	
7) Chloromethane	0.000		0	N.D.	d	
8) Bromomethane	0.000		0	N.D.	d	
9) Vinyl Chloride	0.000		0	N.D.	d	
10) Chloroethane	0.000		0	N.D.	d	
11) Trichlorofluoromethane	0.000		0	N.D.	d	
12) Ethyl ether	0.000		0	N.D.	d	
13) Furan	0.000		0	N.D.	d	
14) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	d	
15) Methylene Chloride	0.000		0	N.D.	d	
16) Acrolein	0.000		0	N.D.	d	
17) Acrylonitrile	0.000		0	N.D.	d	
18) Iodomethane	0.000		0	N.D.	d	
19) Acetone	0.000		0	N.D.	d	
20) Carbon Disulfide	0.000		0	N.D.	d	
21) t-Butyl Alcohol	0.000		0	N.D.	d	
22) n-Hexane	0.000		0	N.D.	d	
23) Di-isopropyl-ether	0.000		0	N.D.	d	
24) 1,1-Dichloroethene	0.000		0	N.D.	d	
25) Methyl Acetate	0.000		0	N.D.	d	
26) Methyl-t-butyl ether	3.636	73	2966	0.7639	ug/l	89
27) 1,1-Dichloroethane	0.000		0	N.D.	d	
28) trans-1,2-Dichloroethene	0.000		0	N.D.	d	
29) Ethyl-t-butyl ether	0.000		0	N.D.	d	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	d	
31) Bromochloromethane	0.000		0	N.D.	d	
32) 2,2-Dichloropropane	0.000		0	N.D.	d	
33) Ethyl acetate	0.000		0	N.D.	d	
34) 1,4-Dioxane	0.000		0	N.D.	d	
35) 1,1-Dichloropropene	0.000		0	N.D.	d	
36) Chloroform	0.000		0	N.D.	d	
38) Cyclohexane	0.000		0	N.D.	d	
40) 1,2-Dichloroethane	4.952	62	1777	0.6139	ug/l	92
41) 2-Butanone	0.000		0	N.D.	d	
42) 1,1,1-Trichloroethane	0.000		0	N.D.	d	
43) Carbon Tetrachloride	0.000		0	N.D.	d	
44) Vinyl Acetate	0.000		0	N.D.	d	
45) Bromodichloromethane	0.000		0	N.D.	d	
46) Methylcyclohexane	0.000		0	N.D.	d	
47) Dibromomethane	0.000		0	N.D.	d	
48) 1,2-Dichloropropane	0.000		0	N.D.	d	
49) Trichloroethene	0.000		0	N.D.	d	
50) Benzene	4.946	78	4762	0.5901	ug/l	100
51) tert-Amyl methyl ether	0.000		0	N.D.	d	
53) Iso-propylacetate	0.000		0	N.D.	d	
54) Methyl methacrylate	0.000		0	N.D.	d	
55) Dibromochloromethane	0.000		0	N.D.	d	
56) 2-Chloroethylvinylether	0.000		0	N.D.	d	
57) cis-1,3-Dichloropropene	0.000		0	N.D.	d	
58) trans-1,3-Dichloropropene	0.000		0	N.D.	d	
59) Ethyl methacrylate	0.000		0	N.D.	d	
60) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
61) 1,2-Dibromoethane	0.000		0	N.D.	d	
62) 1,3-Dichloropropane	0.000		0	N.D.	d	
63) 4-Methyl-2-Pentanone	0.000		0	N.D.	d	
64) 2-Hexanone	0.000		0	N.D.	d	
65) Tetrachloroethene	0.000		0	N.D.	d	
67) Toluene	0.000		0	N.D.	d	

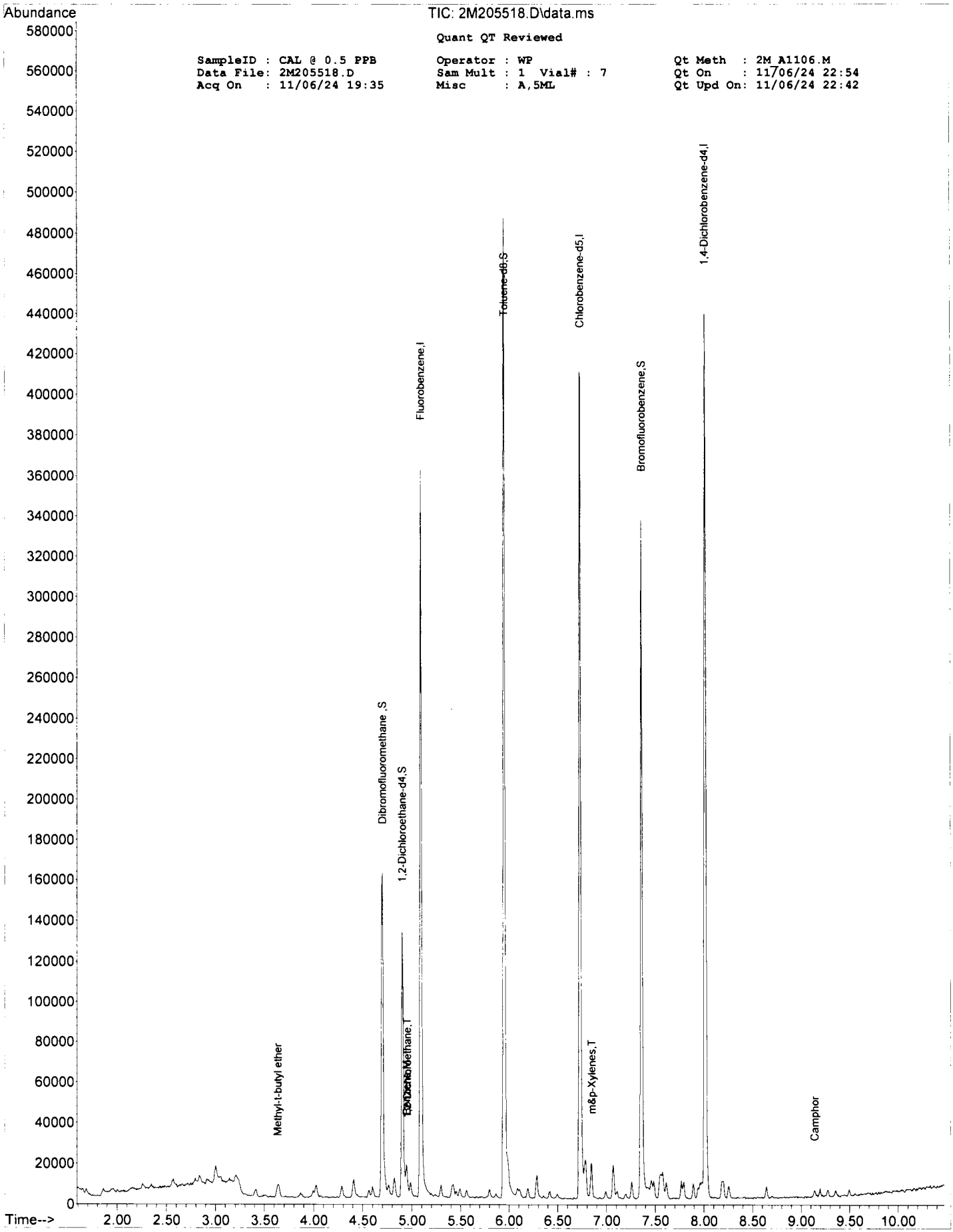
Quantitation Report (QT Reviewed)

SampleID : CAL @ 0.5 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205518.D Sam Mult : 1 Vial# : 7 Qt On : 11/06/24 22:54
Acq On : 11/06/24 19:35 Misc : A,5ML Qt Upd On: 11/06/24 22:42

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	0.000		0	N.D. d		
69)	Chlorobenzene	0.000		0	N.D. d		
71)	n-Butyl acrylate	0.000		0	N.D. d		
72)	n-Amyl acetate	0.000		0	N.D. d		
73)	Bromoform	0.000		0	N.D. d		
74)	Ethylbenzene	0.000		0	N.D. d		
75)	1,1,2,2-Tetrachloroethane	0.000		0	N.D. d		
77)	Styrene	0.000		0	N.D. d		
78)	m&p-Xylenes	6.848	106	3667	1.0832	ug/l	98
79)	o-Xylene	0.000		0	N.D. d		
80)	trans-1,4-Dichloro-2-b...	0.000		0	N.D. d		
81)	1,3-Dichlorobenzene	0.000		0	N.D. d		
82)	1,4-Dichlorobenzene	0.000		0	N.D. d		
83)	1,2-Dichlorobenzene	0.000		0	N.D. d		
84)	Isopropylbenzene	0.000		0	N.D. d		
85)	Cyclohexanone	0.000		0	N.D. d		
86)	Camphene	0.000		0	N.D. d		
87)	1,2,3-Trichloropropane	0.000		0	N.D. d		
88)	2-Chlorotoluene	0.000		0	N.D. d		
89)	p-Ethyltoluene	0.000		0	N.D. d		
90)	4-Chlorotoluene	0.000		0	N.D. d		
91)	n-Propylbenzene	0.000		0	N.D. d		
92)	Bromobenzene	0.000		0	N.D. d		
93)	1,3,5-Trimethylbenzene	0.000		0	N.D. d		
94)	Butyl methacrylate	0.000		0	N.D. d		
95)	t-Butylbenzene	0.000		0	N.D. d		
96)	1,2,4-Trimethylbenzene	0.000		0	N.D. d		
97)	sec-Butylbenzene	0.000		0	N.D. d		
98)	4-Isopropyltoluene	0.000		0	N.D. d		
99)	n-Butylbenzene	0.000		0	N.D. d		
100)	p-Diethylbenzene	0.000		0	N.D. d		
101)	1,2,4,5-Tetramethylben...	0.000		0	N.D. d		
102)	1,2-Dibromo-3-Chloropr...	0.000		0	N.D. d		
103)	Camphor	9.141	95	668m	8.4844	ug/l	
104)	Hexachlorobutadiene	0.000		0	N.D. d		
105)	1,2,4-Trichlorobenzene	0.000		0	N.D. d		
106)	1,2,3-Trichlorobenzene	0.000		0	N.D. d		
107)	Naphthalene	0.000		0	N.D. d		

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


Abundance
TIC: 2M205518.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 0.5 PPB
Data File: 2M205518.D
Acq On : 11/06/24 19:35
Operator : WP
Sam Mult : 1 Vial# : 7
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/06/24 22:54
Qt Upd On: 11/06/24 22:42
Methyl-t-butyl ether
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
m&p-Xylenes,T
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Camphor
Time-->

TxtDfile: 2M205541.D ICV FORM Date/Time: 11/07/24 03:02

Compound	bytCol Num:	bytMr Num:	Type	sngConc:	Exp Conc	Rec	Flag	sngLoLim:	sngHiLim:
Chlorodifluoromethane	1	0		22.3803	20	112		70	130
Dichlorodifluoromethane	1	0		21.1264	20	106		50	150
Chloromethane	1	0		22.0298	20	110		70	130
Bromomethane	1	0		25.1288	20	126		70	130
Vinyl Chloride	1	0		21.426	20	107		70	130
Chloroethane	1	0		21.4546	20	107		70	130
Trichlorofluoromethane	1	0		21.4695	20	107		70	130
Ethyl ether	1	0		20.7418	20	104		70	130
Furan	1	0		21.4344	20	107		70	130
1.1.2-Trichloro-1.2.2-trifluoroethane	1	0		22.0046	20	110		70	130
Methylene Chloride	1	0		21.8056	20	109		70	130
Acrolein	1	0		101.7797	100	102		50	150
Acrylonitrile	1	0		20.5324	20	103		50	150
Iodomethane	1	0		14.0212	20	70		70	130
Acetone	1	0		104.8119	100	105		50	150
Carbon Disulfide	1	0		22.2589	20	111		70	130
t-Butyl Alcohol	1	0		95.3775	100	95		50	150
n-Hexane	1	0		21.0835	20	105		70	130
Di-isopropyl-ether	1	0		20.7376	20	104		70	130
1.1-Dichloroethene	1	0		21.9361	20	110		70	130
Methyl Acetate	1	0		21.2891	20	106		70	130
Methyl-t-butyl ether	1	0		20.48	20	102		70	130
1.1-Dichloroethane	1	0		21.2802	20	106		70	130
trans-1.2-Dichloroethene	1	0		20.6561	20	103		70	130
Ethyl-t-butyl ether	1	0		21.0927	20	105		70	130
cis-1.2-Dichloroethene	1	0		20.3705	20	102		70	130
Bromochloromethane	1	0		22.0021	20	110		70	130
2.2-Dichloropropane	1	0		17.9393	20	90		70	130
Ethyl acetate	1	0		18.0707	20	90		70	130
1.4-Dioxane	1	0		1053.514	1000	105		70	130
1.1-Dichloropropene	1	0		22.0325	20	110		70	130
Chloroform	1	0		21.5916	20	108		70	130
Cyclohexane	1	0		23.021	20	115		70	130
1.2-Dichloroethane	1	0		20.6898	20	103		70	130
2-Butanone	1	0		23.181	20	116		70	130
1.1.1-Trichloroethane	1	0		21.4418	20	107		70	130
Carbon Tetrachloride	1	0		21.655	20	108		70	130
Vinyl Acetate	1	0		20.935	20	105		70	130
Bromodichloromethane	1	0		21.6442	20	108		70	130
Methylcyclohexane	1	0		23.5242	20	118		70	130
Dibromomethane	1	0		21.9575	20	110		70	130
1.2-Dichloropropane	1	0		21.7599	20	109		70	130
Trichloroethene	1	0		22.7458	20	114		70	130
Benzene	1	0		21.3038	20	107		70	130
Iso-propylacetate	1	0		20.0608	20	100		70	130
Methyl methacrylate	1	0		20.9075	20	105		70	130
Dibromochloromethane	1	0		21.3223	20	107		70	130
2-Chloroethylvinylether	1	0		26.7094	20	134	*	70	130
cis-1.3-Dichloropropene	1	0		21.2293	20	106		70	130
trans-1.3-Dichloropropene	1	0		20.4242	20	102		70	130
Ethyl methacrylate	1	0		21.1896	20	106		70	130
1.1.2-Trichloroethane	1	0		21.0845	20	105		70	130
1.2-Dibromoethane	1	0		22.024	20	110		70	130
1.3-Dichloropropane	1	0		21.579	20	108		70	130
4-Methyl-2-Pentanone	1	0		21.0022	20	105		70	130
2-Hexanone	1	0		21.7946	20	109		70	130
Tetrachloroethene	1	0		21.403	20	107		70	130
Toluene	1	0		21.2926	20	106		70	130
1.1.1.2-Tetrachloroethane	1	0		21.5701	20	108		70	130
Chlorobenzene	1	0		22.3421	20	112		70	130
n-Butyl acrylate	1	0		21.1263	20	106		70	130
n-Amyl acetate	1	0		20.8613	20	104		70	130
Bromoform	1	0		20.4862	20	102		70	130
Ethylbenzene	1	0		21.2726	20	106		70	130
1.1.2.2-Tetrachloroethane	1	0		21.3713	20	107		70	130
Styrene	1	0		21.5999	20	108		70	130
m&p-Xylenes	1	0		43.5007	40	109		70	130
o-Xylene	1	0		21.3293	20	107		70	130
trans-1.4-Dichloro-2-butene	1	0		20.2848	20	101		70	130
1.3-Dichlorobenzene	1	0		21.578	20	108		70	130
1.4-Dichlorobenzene	1	0		22.0545	20	110		70	130
1.2-Dichlorobenzene	1	0		21.8504	20	109		70	130
Isopropylbenzene	1	0		22.5314	20	113		70	130
1.2.3-Trichloropropane	1	0		20.9008	20	105		70	130
2-Chlorotoluene	1	0		21.79	20	109		70	130
4-Chlorotoluene	1	0		21.7303	20	109		70	130
n-Propylbenzene	1	0		22.923	20	115		70	130
Bromobenzene	1	0		22.3089	20	112		70	130
1.3.5-Trimethylbenzene	1	0		21.8888	20	109		70	130
Butyl methacrylate	1	0		22.325	20	112		70	130
t-Butylbenzene	1	0		22.7955	20	114		70	130
1.2.4-Trimethylbenzene	1	0		22.2029	20	111		70	130
sec-Butylbenzene	1	0		23.0927	20	115		70	130
4-Isopropyltoluene	1	0		22.5404	20	113		70	130
n-Butylbenzene	1	0		23.4162	20	117		70	130
1.2-Dibromo-3-Chloropropane	1	0		20.2877	20	101		70	130
Hexachlorobutadiene	1	0		23.93	20	120		70	130
1.2.4-Trichlorobenzene	1	0		21.5083	20	108		70	130
1.2.3-Trichlorobenzene	1	0		21.3882	20	107		70	130
Naphthalene	1	0		19.9277	20	100		70	130

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M205961.D **Instrument:** GCMS 2

Cont Calibration Date/Time 11/14/2024 1:56:00 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	5.09	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.70	7.03	20	20	0.1	0.475	0.167	64.84	C1
Dichlorodifluoromethane	1	0		1.68	22.21	20	20	0.1	0.487	0.540	11.05	
Chloromethane	1	0		1.86	16.51	20	20	0.1	0.417	0.344	17.45	
Bromomethane	1	0		2.26	12.96	20	20	0.1	0.313	0.203	35.20	C1
Vinyl Chloride	1	0		1.96	20.57	20	20	0.1	0.412	0.424	2.85	
Chloroethane	1	0		2.34	19.61	20	20	0.1	0.284	0.279	1.93	
Trichlorofluoromethane	1	0		2.57	23.29	20	20	0.1	0.766	0.892	16.45	
Ethyl ether	1	0		2.80	16.30	20	20	0.5	0.313	0.255	18.49	
Furan	1	0		2.84	16.29	20	20	0.5	0.616	0.501	18.56	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		3.00	22.41	20	20	0.1	0.329	0.369	12.05	
Methylene Chloride	1	0		3.41	23.96	20	20	0.1	0.317	0.379	19.81	
Acrolein	1	0		2.92	68.63	100	20		0.054	0.037	31.37	C1
Acrylonitrile	1	0		3.62	19.15	20	20		0.090	0.086	4.24	
Iodomethane	1	0		3.15	12.98	20	20		0.554	0.360	35.09	C1
Acetone	1	0		3.04	65.50	100	20	0.1	0.098	0.064	34.50	C1
Carbon Disulfide	1	0		3.22	19.33	20	20	0.1	1.057	1.022	3.37	
t-Butyl Alcohol	1	0		3.48	70.16	100	20		0.024	0.017	29.84	C1
n-Hexane	1	0		3.87	23.57	20	20		0.210	0.248	17.83	
Di-isopropyl-ether	1	0		4.03	18.92	20	20		0.897	0.848	5.40	
1,1-Dichloroethene	1	0		3.01	17.12	20	20	0.1	0.646	0.553	14.40	
Methyl Acetate	1	0		3.32	18.86	20	20	0.1	0.161	0.152	5.69	
Methyl-t-butyl ether	1	0		3.64	21.25	20	20	0.1	0.786	0.835	6.27	
1,1-Dichloroethane	1	0		4.00	21.46	20	20	0.2	0.580	0.622	7.28	
trans-1,2-Dichloroethene	1	0		3.65	23.96	20	20	0.1	0.336	0.402	19.79	
Ethyl-t-butyl ether	1	0		4.29	20.15	20	20	0.5	0.950	0.957	0.75	
cis-1,2-Dichloroethene	1	0		4.41	20.81	20	20	0.1	0.588	0.612	4.07	
Bromochloromethane	1	0		4.56	18.78	20	20		0.284	0.267	6.08	
2,2-Dichloropropane	1	0		4.41	18.78	20	20		0.531	0.498	6.10	
Ethyl acetate	1	0		4.43	17.81	20	20		0.285	0.254	10.95	
1,4-Dioxane	1	0		5.49	1036.27	1000	20		0.003	0.003	3.63	
1,1-Dichloropropene	1	0		4.82	23.52	20	20		0.478	0.562	17.58	
Chloroform	1	0		4.61	23.67	20	20	0.2	0.647	0.766	18.33	
Dibromofluoromethane	1	0	S	4.70	28.86	30	**		0.321	0.308	3.82	
Cyclohexane	1	0		4.76	23.90	20	20	0.1	0.340	0.406	19.51	
1,2-Dichloroethane-d4	1	0	S	4.90	25.87	30	**		0.149	0.128	13.77	
1,2-Dichloroethane	1	0		4.95	20.12	20	20	0.1	0.531	0.534	0.62	
2-Butanone	1	0		4.41	20.20	20	20	0.1	0.122	0.124	1.00	
1,1,1-Trichloroethane	1	0		4.73	23.60	20	20	0.1	0.582	0.687	18.02	
Carbon Tetrachloride	1	0		4.82	23.60	20	20	0.1	0.517	0.610	18.00	
Vinyl Acetate	1	0		4.02	17.96	20	20		1.006	0.904	10.21	
Bromodichloromethane	1	0		5.56	20.67	20	20	0.2	0.500	0.517	3.37	
Methylcyclohexane	1	0		5.41	23.90	20	20	0.1	0.313	0.375	19.51	
Dibromomethane	1	0		5.50	28.77	20	20		0.253	0.364	43.84	C1
1,2-Dichloropropane	1	0		5.42	20.85	20	20	0.1	0.336	0.350	4.27	
Trichloroethene	1	0		5.30	23.70	20	20	0.2	0.387	0.459	18.52	
Benzene	1	0		4.95	22.33	20	20	0.5	1.355	1.513	11.63	
tert-Amyl methyl ether	1	0		4.99	19.75	20	20		0.897	0.886	1.25	
Chlorobenzene-d5	1	0	I	6.73	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.95	16.37	20	20	0.5	0.641	0.525	18.17	
Methyl methacrylate	1	0		5.45	17.70	20	20	0.5	0.319	0.282	11.52	
Dibromochloromethane	1	0		6.42	21.92	20	20	0.1	0.446	0.489	9.62	

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:** 2M205961.D **Instrument:** GCMS 2

Cont Calibration Date/Time 11/14/2024 1:56:00 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	22.50	20	20		0.040	0.045	12.49	
cis-1,3-Dichloropropene	1	0		5.80	18.53	20	20	0.2	0.639	0.592	7.33	
trans-1,3-Dichloropropene	1	0		6.09	17.19	20	20	0.1	0.584	0.502	14.05	
Ethyl methacrylate	1	0		6.10	16.25	20	20	0.5	0.359	0.291	18.75	
1,1,2-Trichloroethane	1	0		6.19	21.10	20	20	0.1	0.362	0.382	5.51	
1,2-Dibromoethane	1	0		6.49	22.61	20	20	0.1	0.371	0.420	13.07	
1,3-Dichloropropane	1	0		6.29	19.89	20	20		0.619	0.616	0.55	
4-Methyl-2-Pentanone	1	0		5.87	16.70	20	20	0.1	0.321	0.268	16.51	
2-Hexanone	1	0		6.30	16.30	20	20	0.1	0.227	0.185	18.48	
Tetrachloroethene	1	0		6.29	23.47	20	20	0.2	0.343	0.402	17.35	
Toluene-d8	1	0	S	5.95	28.26	30	**		1.321	1.244	5.81	
Toluene	1	0		5.99	21.86	20	20	0.4	1.049	1.146	9.31	
1,1,1,2-Tetrachloroethane	1	0		6.78	22.09	20	20		0.419	0.463	10.47	
Chlorobenzene	1	0		6.74	23.40	20	20	0.5	1.136	1.329	17.00	
1,4-Dichlorobenzene-d4	1	0	I	8.02	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.99	18.12	20	20	0.5	1.318	1.194	9.38	
n-Amyl acetate	1	0		7.11	16.35	20	20	0.5	1.108	0.906	18.26	
Bromoform	1	0		7.20	16.45	20	20	0.1	0.523	0.430	17.73	
Ethylbenzene	1	0		6.79	17.23	20	20	0.1	0.884	0.762	13.86	
1,1,2,2-Tetrachloroethane	1	0		7.42	17.53	20	20	0.1	0.787	0.690	12.34	
Bromofluorobenzene	1	0	S	7.36	26.02	30	**		0.776	0.673	13.25	
Styrene	1	0		7.07	16.30	20	20	0.3	2.216	1.805	18.52	
m&p-Xylenes	1	0		6.85	34.17	40	20	0.1	1.274	1.088	14.59	
o-Xylene	1	0		7.07	16.32	20	20	0.3	1.292	1.054	18.41	
trans-1,4-Dichloro-2-butene	1	0		7.44	16.17	20	20		0.273	0.221	19.16	
1,3-Dichlorobenzene	1	0		7.98	21.83	20	20	0.6	1.465	1.599	9.16	
1,4-Dichlorobenzene	1	0		8.03	22.74	20	20	0.5	1.518	1.726	13.71	
1,2-Dichlorobenzene	1	0		8.26	23.75	20	20	0.4	1.384	1.643	18.77	
Isopropylbenzene	1	0		7.26	17.57	20	20	0.1	2.679	2.354	12.13	
Cyclohexanone	1	0		7.34	60.86	100	20		0.060	0.036	39.14	C1
Camphene	1	0		7.43	18.62	20	20		0.565	0.526	6.90	
1,2,3-Trichloropropane	1	0		7.45	12.56	20	20		0.948	0.596	37.19	C1
2-Chlorotoluene	1	0		7.56	15.75	20	20		1.801	1.418	21.26	C1
p-Ethyltoluene	1	0		7.54	16.47	20	20		3.007	2.475	17.67	
4-Chlorotoluene	1	0		7.62	15.87	20	20		1.810	1.436	20.66	C1
n-Propylbenzene	1	0		7.49	16.56	20	20		3.217	2.663	17.22	
Bromobenzene	1	0		7.46	16.08	20	20		1.763	1.417	19.61	
1,3,5-Trimethylbenzene	1	0		7.57	17.26	20	20		2.114	1.825	13.68	
Butyl methacrylate	1	0		7.58	17.89	20	20	0.5	1.034	0.925	10.56	
t-Butylbenzene	1	0		7.77	18.29	20	20		2.204	2.016	8.56	
1,2,4-Trimethylbenzene	1	0		7.79	18.75	20	20		2.419	2.267	6.27	
sec-Butylbenzene	1	0		7.89	20.74	20	20		2.597	2.694	3.71	
4-Isopropyltoluene	1	0		7.96	22.22	20	20		2.268	2.520	11.09	
n-Butylbenzene	1	0		8.20	19.94	20	20		2.311	2.305	0.29	
p-Diethylbenzene	1	0		8.18	20.66	20	20		1.284	1.327	3.29	
1,2,4,5-Tetramethylbenzene	1	0		8.65	20.36	20	20		1.770	1.801	1.79	
1,2-Dibromo-3-Chloropropane	1	0		8.71	17.56	20	20	0.05	0.140	0.123	12.21	
Camphor	1	0		9.14	138.37	200	20		0.048	0.033	30.82	C1
Hexachlorobutadiene	1	0		9.28	28.81	20	20		0.284	0.409	44.06	C1
1,2,4-Trichlorobenzene	1	0		9.20	22.60	20	20	0.2	0.602	0.680	13.00	
1,2,3-Trichlorobenzene	1	0		9.50	23.78	20	20		0.428	0.509	18.89	
Naphthalene	1	0		9.36	20.63	20	20		1.246	1.286	3.16	

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

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205961.D Sam Mult : 1 Vial# : 3 Qt On : 11/14/24 14:08
Acq On : 11/14/24 13:56 Misc : A,5ML Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	180961	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	165790	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.019	152	125376	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.703	111	55820	28.86	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.20%			
39) 1,2-Dichloroethane-d4	4.904	67	23210	25.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.23%			
66) Toluene-d8	5.952	98	206302	28.26	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.20%			
76) Bromofluorobenzene	7.361	174	84344	26.02	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.73%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.697	51	20153m	7.0330	ug/l	
6) Dichlorodifluoromethane	1.685	85	65184	22.2093	ug/l	94
7) Chloromethane	1.855	50	41531	16.5098	ug/l	98
8) Bromomethane	2.258	94	24434	12.9596	ug/l	100
9) Vinyl Chloride	1.959	62	51178	20.5690	ug/l	96
10) Chloroethane	2.343	64	33657	19.6131	ug/l	97
11) Trichlorofluoromethane	2.569	101	107608	23.2902	ug/l	97
12) Ethyl ether	2.800	59	30811	16.3019	ug/l	99
13) Furan	2.843	39	60484m	16.2872	ug/l	
14) 1,1,2-Trichloro-1,2,2-...	3.002	101	44504	22.4096	ug/l	92
15) Methylene Chloride	3.410	84	45762	23.9623	ug/l	99
16) Acrolein	2.916	56	22507	68.6342	ug/l	98
17) Acrylonitrile	3.617	53	10426	19.1525	ug/l	94
18) Iodomethane	3.148	142	43377	12.9811	ug/l	90
19) Acetone	3.044	43	38550	65.4974	ug/l	98
20) Carbon Disulfide	3.215	76	123262	19.3261	ug/l	100
21) t-Butyl Alcohol	3.483	59	10256	70.1599	ug/l	95
22) n-Hexane	3.867	57	29906m	23.5651	ug/l	
23) Di-isopropyl-ether	4.026	45	102330	18.9203	ug/l	90
24) 1,1-Dichloroethene	3.008	61	66712	17.1200	ug/l	88
25) Methyl Acetate	3.319	43	18355	18.8615	ug/l	100
26) Methyl-t-butyl ether	3.636	73	100779	21.2546	ug/l	99
27) 1,1-Dichloroethane	3.995	63	75020	21.4551	ug/l	100
28) trans-1,2-Dichloroethene	3.648	96	48508m	23.9582	ug/l	
29) Ethyl-t-butyl ether	4.288	59	115463	20.1510	ug/l	98
30) cis-1,2-Dichloroethene	4.410	61	73823	20.8143	ug/l	93
31) Bromochloromethane	4.562	49	32210	18.7844	ug/l	78
32) 2,2-Dichloropropane	4.410	77	60103	18.7801	ug/l	97
33) Ethyl acetate	4.434	43	30620m	17.8100	ug/l	
34) 1,4-Dioxane	5.489	88	20279	1036.2710	ug/l	100
35) 1,1-Dichloropropene	4.818	75	67850	23.5157	ug/l	97
36) Chloroform	4.605	83	92357	23.6651	ug/l	98
38) Cyclohexane	4.764	56	48991	23.9028	ug/l	94
40) 1,2-Dichloroethane	4.946	62	64456	20.1236	ug/l	99
41) 2-Butanone	4.410	43	14911m	20.2006	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	82837m	23.6048	ug/l	
43) Carbon Tetrachloride	4.824	117	73584m	23.5994	ug/l	
44) Vinyl Acetate	4.020	43	109031	17.9589	ug/l	100
45) Bromodichloromethane	5.562	83	62322	20.6735	ug/l	99
46) Methylcyclohexane	5.410	83	45198m	23.9028	ug/l	
47) Dibromomethane	5.495	174	43886	28.7690	ug/l	97
48) 1,2-Dichloropropane	5.422	63	42217	20.8533	ug/l	99
49) Trichloroethene	5.300	130	55334m	23.7041	ug/l	
50) Benzene	4.946	78	182538	22.3254	ug/l	100
51) tert-Amyl methyl ether	4.989	73	106908	19.7490	ug/l	97
53) Iso-propylacetate	4.946	43	57995m	16.3658	ug/l	
54) Methyl methacrylate	5.452	41	31221m	17.6961	ug/l	
55) Dibromochloromethane	6.416	129	54056	21.9245	ug/l	100
56) 2-Chloroethylvinylether	5.702	63	4983	22.4981	ug/l	95
57) cis-1,3-Dichloropropene	5.800	75	65463	18.5338	ug/l	98
58) trans-1,3-Dichloropropene	6.086	75	55490	17.1909	ug/l	100
59) Ethyl methacrylate	6.105	41	32218	16.2499	ug/l	97
60) 1,1,2-Trichloroethane	6.190	97	42233	21.1017	ug/l	97
61) 1,2-Dibromoethane	6.495	107	46374	22.6145	ug/l	98
62) 1,3-Dichloropropane	6.288	76	68053	19.8901	ug/l	100
63) 4-Methyl-2-Pentanone	5.867	43	29640m	16.6987	ug/l	
64) 2-Hexanone	6.300	43	20459	16.3043	ug/l	93
65) Tetrachloroethene	6.288	164	44472m	23.4693	ug/l	
67) Toluene	5.989	92	126674	21.8610	ug/l	99

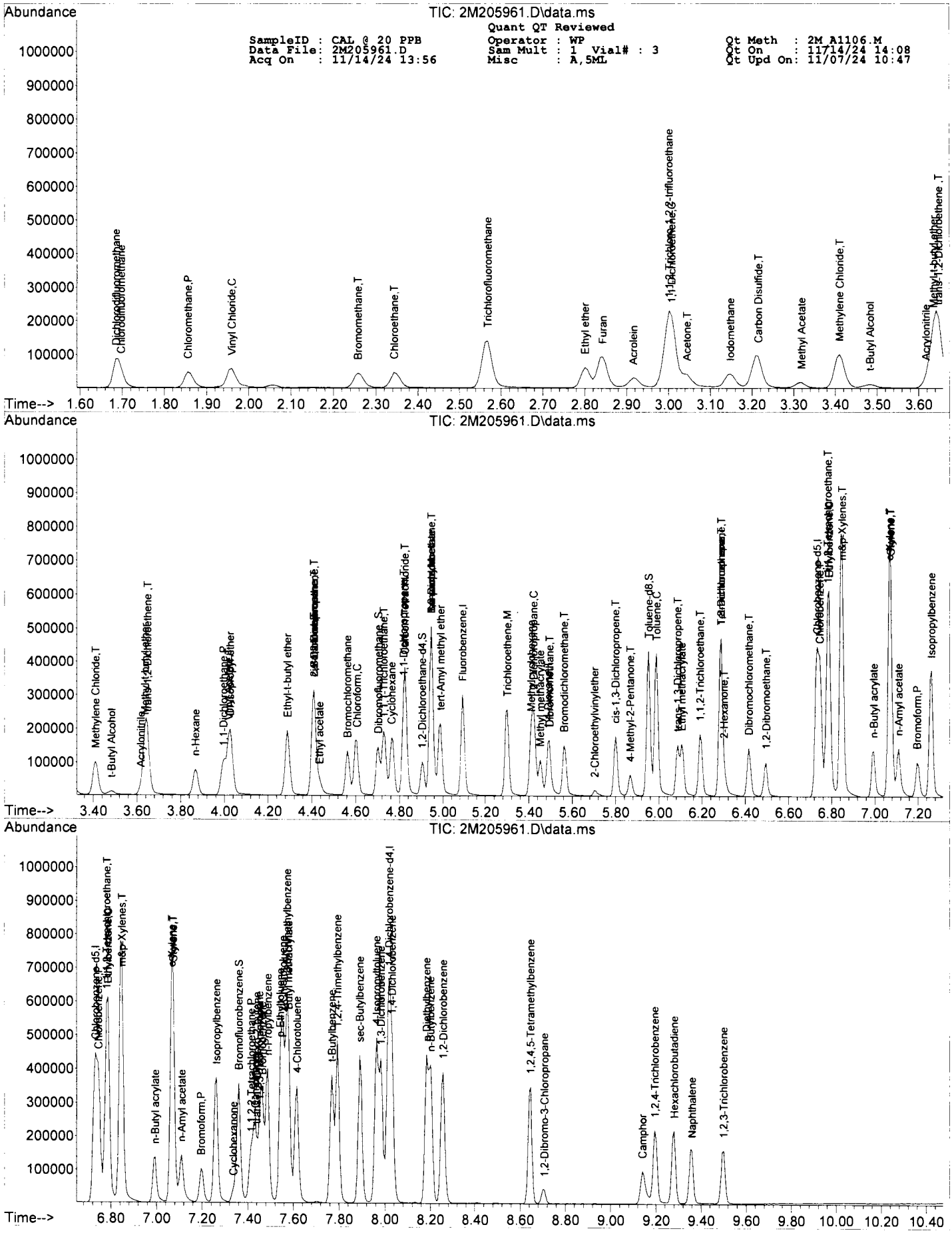
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205961.D Sam Mult : 1 Vial# : 3 Qt On : 11/14/24 14:08
Acq On : 11/14/24 13:56 Misc : A,5ML Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.781	133	51127	22.0931	ug/l	99
69)	Chlorobenzene	6.745	112	146875	23.3997	ug/l	99
71)	n-Butyl acrylate	6.995	55	99833m	18.1233	ug/l	
72)	n-Amyl acetate	7.111	43	75716m	16.3478	ug/l	
73)	Bromoform	7.196	173	35972	16.4546	ug/l	94
74)	Ethylbenzene	6.788	106	63659	17.2281	ug/l	99
75)	1,1,2,2-Tetrachloroethane	7.415	83	57675m	17.5321	ug/l	
77)	Styrene	7.074	104	150906	16.2955	ug/l	97
78)	m&p-Xylenes	6.849	106	181917	34.1655	ug/l	99
79)	o-Xylene	7.068	106	88138	16.3185	ug/l	97
80)	trans-1,4-Dichloro-2-b...	7.440	53	18467m	16.1671	ug/l	
81)	1,3-Dichlorobenzene	7.982	146	133665	21.8316	ug/l	98
82)	1,4-Dichlorobenzene	8.031	146	144272	22.7417	ug/l	97
83)	1,2-Dichlorobenzene	8.257	146	137358	23.7531	ug/l	98
84)	Isopropylbenzene	7.263	105	196730	17.5741	ug/l	99
85)	Cyclohexanone	7.336	55	15144m	60.8621	ug/l	
86)	Camphene	7.434	93	43943	18.6204	ug/l	95
87)	1,2,3-Trichloropropane	7.452	75	49790	12.5627	ug/l	89
88)	2-Chlorotoluene	7.556	91	118551	15.7485	ug/l	98
89)	p-Ethyltoluene	7.543	105	206903	16.4659	ug/l	98
90)	4-Chlorotoluene	7.617	91	120006	15.8684	ug/l	97
91)	n-Propylbenzene	7.489	91	222566	16.5563	ug/l	97
92)	Bromobenzene	7.464	77	118438m	16.0787	ug/l	
93)	1,3,5-Trimethylbenzene	7.574	105	152513	17.2636	ug/l	98
94)	Butyl methacrylate	7.580	41	77284m	17.8884	ug/l	
95)	t-Butylbenzene	7.769	119	168477	18.2878	ug/l	97
96)	1,2,4-Trimethylbenzene	7.793	105	189482	18.7455	ug/l	99
97)	sec-Butylbenzene	7.891	105	225162	20.7429	ug/l	96
98)	4-Isopropyltoluene	7.964	119	210629	22.2174	ug/l	99
99)	n-Butylbenzene	8.202	91	192635	19.9422	ug/l	98
100)	p-Diethylbenzene	8.184	119	110884	20.6578	ug/l	99
101)	1,2,4,5-Tetramethylben...	8.647	119	150572	20.3586	ug/l	97
102)	1,2-Dibromo-3-Chloropr...	8.708	157	10302	17.5575	ug/l	96
103)	Camphor	9.141	95	27865	138.3667	ug/l	98
104)	Hexachlorobutadiene	9.281	225	34155	28.8128	ug/l	96
105)	1,2,4-Trichlorobenzene	9.196	180	56852	22.5998	ug/l	99
106)	1,2,3-Trichlorobenzene	9.500	180	42576	23.7780	ug/l	98
107)	Naphthalene	9.360	128	107470	20.6323	ug/l	100

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


Abundance
TIC: 2M205961.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M205961.D
Acq On : 11/14/24 13:56
Operator : WP
Sam Mult : 1 Vial# : 3
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/14/24 14:08
Qt Upd On: 11/07/24 10:47
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Time-->

Abundance
TIC: 2M205961.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Methyl methacrylate
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
trans-1,3-Dichloropropene,T
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->

Abundance
TIC: 2M205961.D\data.ms
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,3-Dichlorobenzene
4-Isopropyltoluene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form7

Continuing Calibration

Calibration Name: CAL @ 20 PPB **Data File:** 2M205997.D **Instrument:** GCMS 2

Cont Calibration Date/Time 11/15/2024 1:27:00 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	5.09	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.70	7.54	20	20	0.1	0.475	0.179	62.28	C1
Dichlorodifluoromethane	1	0		1.69	20.68	20	20	0.1	0.487	0.503	3.40	
Chloromethane	1	0		1.86	17.17	20	20	0.1	0.417	0.358	14.17	
Bromomethane	1	0		2.26	9.23	20	20	0.1	0.313	0.144	53.87	C1
Vinyl Chloride	1	0		1.96	22.22	20	20	0.1	0.412	0.458	11.09	
Chloroethane	1	0		2.35	19.34	20	20	0.1	0.284	0.275	3.32	
Trichlorofluoromethane	1	0		2.57	22.33	20	20	0.1	0.766	0.855	11.63	
Ethyl ether	1	0		2.80	16.68	20	20	0.5	0.313	0.261	16.62	
Furan	1	0		2.84	16.95	20	20	0.5	0.616	0.522	15.26	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		3.00	21.65	20	20	0.1	0.329	0.356	8.27	
Methylene Chloride	1	0		3.41	23.25	20	20	0.1	0.317	0.368	16.26	
Acrolein	1	0		2.92	62.79	100	20		0.054	0.034	37.21	C1
Acrylonitrile	1	0		3.62	18.57	20	20		0.090	0.084	7.15	
Iodomethane	1	0		3.15	14.33	20	20		0.554	0.397	28.35	C1
Acetone	1	0		3.04	65.60	100	20	0.1	0.098	0.064	34.40	C1
Carbon Disulfide	1	0		3.21	21.06	20	20	0.1	1.057	1.113	5.30	
t-Butyl Alcohol	1	0		3.48	77.52	100	20		0.024	0.019	22.48	C1
n-Hexane	1	0		3.87	21.64	20	20		0.210	0.228	8.20	
Di-isopropyl-ether	1	0		4.03	19.10	20	20		0.897	0.856	4.51	
1,1-Dichloroethene	1	0		3.01	18.07	20	20	0.1	0.646	0.584	9.65	
Methyl Acetate	1	0		3.32	19.02	20	20	0.1	0.161	0.153	4.91	
Methyl-t-butyl ether	1	0		3.64	21.51	20	20	0.1	0.786	0.845	7.54	
1,1-Dichloroethane	1	0		4.00	22.09	20	20	0.2	0.580	0.640	10.43	
trans-1,2-Dichloroethene	1	0		3.65	23.91	20	20	0.1	0.336	0.401	19.54	
Ethyl-t-butyl ether	1	0		4.29	20.35	20	20	0.5	0.950	0.966	1.74	
cis-1,2-Dichloroethene	1	0		4.41	20.72	20	20	0.1	0.588	0.609	3.58	
Bromochloromethane	1	0		4.56	19.01	20	20		0.284	0.270	4.97	
2,2-Dichloropropane	1	0		4.41	16.36	20	20		0.531	0.434	18.21	
Ethyl acetate	1	0		4.43	16.86	20	20		0.285	0.240	15.71	
1,4-Dioxane	1	0		5.49	1106.28	1000	20		0.003	0.004	10.63	
1,1-Dichloropropene	1	0		4.82	23.58	20	20		0.478	0.564	17.91	
Chloroform	1	0		4.60	23.74	20	20	0.2	0.647	0.768	18.72	
Dibromofluoromethane	1	0	S	4.70	29.95	30	**		0.321	0.320	0.17	
Cyclohexane	1	0		4.77	22.29	20	20	0.1	0.340	0.379	11.47	
1,2-Dichloroethane-d4	1	0	S	4.90	26.33	30	**		0.149	0.131	12.23	
1,2-Dichloroethane	1	0		4.95	20.44	20	20	0.1	0.531	0.543	2.19	
2-Butanone	1	0		4.41	19.00	20	20	0.1	0.122	0.116	5.00	
1,1,1-Trichloroethane	1	0		4.73	23.18	20	20	0.1	0.582	0.674	15.88	
Carbon Tetrachloride	1	0		4.83	23.72	20	20	0.1	0.517	0.613	18.60	
Vinyl Acetate	1	0		4.03	16.44	20	20		1.006	0.827	17.79	
Bromodichloromethane	1	0		5.56	21.16	20	20	0.2	0.500	0.529	5.80	
Methylcyclohexane	1	0		5.41	23.72	20	20	0.1	0.313	0.372	18.60	
Dibromomethane	1	0		5.49	28.73	20	20		0.253	0.363	43.66	C1
1,2-Dichloropropane	1	0		5.42	21.30	20	20	0.1	0.336	0.358	6.52	
Trichloroethene	1	0		5.30	23.88	20	20	0.2	0.387	0.462	19.40	
Benzene	1	0		4.95	22.79	20	20	0.5	1.355	1.545	13.97	
tert-Amyl methyl ether	1	0		4.99	19.96	20	20		0.897	0.896	0.20	
Chlorobenzene-d5	1	0	I	6.73	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.95	14.50	20	20	0.5	0.641	0.465	27.48	C1
Methyl methacrylate	1	0		5.45	16.40	20	20	0.5	0.319	0.262	17.98	
Dibromochloromethane	1	0		6.42	17.21	20	20	0.1	0.446	0.384	13.93	

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:** 2M205997.D **Instrument:** GCMS 2

Cont Calibration Date/Time 11/15/2024 1:27:00 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		5.70	18.61	20	20		0.040	0.037	6.97	
cis-1,3-Dichloropropene	1	0		5.80	14.64	20	20	0.2	0.639	0.468	26.80	C1
trans-1,3-Dichloropropene	1	0		6.09	14.44	20	20	0.1	0.584	0.422	27.80	C1
Ethyl methacrylate	1	0		6.10	12.51	20	20	0.5	0.359	0.224	37.46	C1
1,1,2-Trichloroethane	1	0		6.19	17.13	20	20	0.1	0.362	0.310	14.34	
1,2-Dibromoethane	1	0		6.49	19.42	20	20	0.1	0.371	0.360	2.88	
1,3-Dichloropropane	1	0		6.29	16.10	20	20		0.619	0.498	19.51	
4-Methyl-2-Pentanone	1	0		5.87	16.02	20	20	0.1	0.321	0.257	19.89	
2-Hexanone	1	0		6.30	13.23	20	20	0.1	0.227	0.150	33.84	C1
Tetrachloroethene	1	0		6.29	22.86	20	20	0.2	0.343	0.392	14.30	
Toluene-d8	1	0	S	5.95	22.87	30	**		1.321	1.007	23.77	
Toluene	1	0		5.99	17.79	20	20	0.4	1.049	0.932	11.07	
1,1,1,2-Tetrachloroethane	1	0		6.78	22.28	20	20		0.419	0.467	11.42	
Chlorobenzene	1	0		6.74	23.28	20	20	0.5	1.136	1.322	16.38	
1,4-Dichlorobenzene-d4	1	0	I	8.01	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.99	18.23	20	20	0.5	1.318	1.202	8.84	
n-Amyl acetate	1	0		7.11	16.03	20	20	0.5	1.108	0.888	19.85	
Bromoform	1	0		7.20	19.89	20	20	0.1	0.523	0.520	0.57	
Ethylbenzene	1	0		6.79	20.17	20	20	0.1	0.884	0.891	0.83	
1,1,2,2-Tetrachloroethane	1	0		7.42	16.33	20	20	0.1	0.787	0.643	18.37	
Bromofluorobenzene	1	0	S	7.36	30.65	30	**		0.776	0.792	2.16	
Styrene	1	0		7.07	18.26	20	20	0.3	2.216	2.023	8.69	
m&p-Xylenes	1	0		6.85	38.72	40	20	0.1	1.274	1.233	3.21	
o-Xylene	1	0		7.07	18.53	20	20	0.3	1.292	1.198	7.33	
trans-1,4-Dichloro-2-butene	1	0		7.44	12.31	20	20		0.273	0.168	38.47	C1
1,3-Dichlorobenzene	1	0		7.98	21.76	20	20	0.6	1.465	1.594	8.82	
1,4-Dichlorobenzene	1	0		8.03	21.95	20	20	0.5	1.518	1.666	9.73	
1,2-Dichlorobenzene	1	0		8.26	20.62	20	20	0.4	1.384	1.426	3.09	
Isopropylbenzene	1	0		7.26	21.43	20	20	0.1	2.679	2.870	7.15	
Cyclohexanone	1	0		7.34	29.32	100	20		0.060	0.017	70.68	C1
Camphene	1	0		7.43	20.42	20	20		0.565	0.577	2.10	
1,2,3-Trichloropropane	1	0		7.46	16.91	20	20		0.948	0.802	15.45	
2-Chlorotoluene	1	0		7.56	17.53	20	20		1.801	1.579	12.36	
p-Ethyltoluene	1	0		7.54	18.59	20	20		3.007	2.794	7.07	
4-Chlorotoluene	1	0		7.62	19.34	20	20		1.810	1.750	3.29	
n-Propylbenzene	1	0		7.49	19.48	20	20		3.217	3.132	2.62	
Bromobenzene	1	0		7.46	17.99	20	20		1.763	1.586	10.03	
1,3,5-Trimethylbenzene	1	0		7.57	18.93	20	20		2.114	2.001	5.33	
Butyl methacrylate	1	0		7.58	18.24	20	20	0.5	1.034	0.943	8.81	
t-Butylbenzene	1	0		7.77	20.60	20	20		2.204	2.271	3.00	
1,2,4-Trimethylbenzene	1	0		7.79	18.81	20	20		2.419	2.275	5.96	
sec-Butylbenzene	1	0		7.89	21.40	20	20		2.597	2.780	7.02	
4-Isopropyltoluene	1	0		7.96	22.08	20	20		2.268	2.505	10.42	
n-Butylbenzene	1	0		8.20	18.95	20	20		2.311	2.190	5.26	
p-Diethylbenzene	1	0		8.18	20.21	20	20		1.284	1.298	1.05	
1,2,4,5-Tetramethylbenzene	1	0		8.64	15.95	20	20		1.770	1.412	20.23	
1,2-Dibromo-3-Chloropropane	1	0		8.70	16.07	20	20	0.05	0.140	0.113	19.63	
Camphor	1	0		9.14	145.30	200	20		0.048	0.035	27.35	C1
Hexachlorobutadiene	1	0		9.27	20.15	20	20		0.284	0.286	0.77	
1,2,4-Trichlorobenzene	1	0		9.20	17.35	20	20	0.2	0.602	0.522	13.26	
1,2,3-Trichlorobenzene	1	0		9.49	16.56	20	20		0.428	0.355	17.21	
Naphthalene	1	0		9.35	16.05	20	20		1.246	1.000	19.74	

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

Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205997.D Sam Mult : 1 Vial# : 23 Qt On : 11/15/24 09:19
Acq On : 11/15/24 01:27 Misc : A,5ML Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	187547	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.732	117	214793	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	140940	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	60044	29.95	ug/l	0.00
Spiked Amount 30.000			Recovery = 99.83%			
39) 1,2-Dichloroethane-d4	4.904	67	24485	26.33	ug/l	0.00
Spiked Amount 30.000			Recovery = 87.77%			
66) Toluene-d8	5.952	98	216302	22.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 76.23%			
76) Bromofluorobenzene	7.360	174	111666	30.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 102.17%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.697	51	22402m	7.5433	ug/l	
6) Dichlorodifluoromethane	1.691	85	62903	20.6795	ug/l	100
7) Chloromethane	1.855	50	44751	17.1651	ug/l	99
8) Bromomethane	2.258	94	18029	9.2267	ug/l	90
9) Vinyl Chloride	1.959	62	57295	22.2189	ug/l	98
10) Chloroethane	2.349	64	34388	19.3354	ug/l	98
11) Trichlorofluoromethane	2.569	101	106912	22.3269	ug/l	100
12) Ethyl ether	2.800	59	32664	16.6754	ug/l	94
13) Furan	2.843	39	65227m	16.9476	ug/l	
14) 1,1,2-Trichloro-1,2,2-...	2.995	101	44567	21.6532	ug/l	93
15) Methylene Chloride	3.410	84	46020m	23.2512	ug/l	
16) Acrolein	2.916	56	21339	62.7873	ug/l	98
17) Acrylonitrile	3.623	53	10477	18.5703	ug/l	97
18) Iodomethane	3.148	142	49627	14.3299	ug/l	97
19) Acetone	3.044	43	40013	65.5957	ug/l	97
20) Carbon Disulfide	3.215	76	139212	21.0604	ug/l	100
21) t-Butyl Alcohol	3.483	59	11744	77.5179	ug/l	100
22) n-Hexane	3.867	57	28461	21.6390	ug/l	97
23) Di-isopropyl-ether	4.026	45	107045	19.0971	ug/l	96
24) 1,1-Dichloroethene	3.008	61	72980	18.0708	ug/l	94
25) Methyl Acetate	3.318	43	19180	19.0172	ug/l	100
26) Methyl-t-butyl ether	3.635	73	105693	21.5082	ug/l	99
27) 1,1-Dichloroethane	3.995	63	80037	22.0861	ug/l	96
28) trans-1,2-Dichloroethene	3.648	96	50166m	23.9070	ug/l	
29) Ethyl-t-butyl ether	4.288	59	120840	20.3488	ug/l	97
30) cis-1,2-Dichloroethene	4.410	61	76147	20.7156	ug/l	92
31) Bromochloromethane	4.562	49	33775	19.0054	ug/l	82
32) 2,2-Dichloropropane	4.410	77	54255	16.3575	ug/l	98
33) Ethyl acetate	4.434	43	30037m	16.8574	ug/l	
34) 1,4-Dioxane	5.489	88	22437	1106.2835	ug/l	93
35) 1,1-Dichloropropene	4.818	75	70518	23.5822	ug/l	98
36) Chloroform	4.605	83	96035	23.7434	ug/l	94
38) Cyclohexane	4.769	56	47357	22.2942	ug/l	94
40) 1,2-Dichloroethane	4.946	62	67847	20.4384	ug/l	99
41) 2-Butanone	4.410	43	14535m	18.9997	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	84295m	23.1767	ug/l	
43) Carbon Tetrachloride	4.830	117	76651m	23.7198	ug/l	
44) Vinyl Acetate	4.026	43	103452	16.4415	ug/l	100
45) Bromodichloromethane	5.562	83	66111	21.1603	ug/l	98
46) Methylcyclohexane	5.410	83	46485	23.7201	ug/l	98
47) Dibromomethane	5.495	174	45426	28.7328	ug/l	98
48) 1,2-Dichloropropane	5.422	63	44699	21.3039	ug/l	98
49) Trichloroethene	5.300	130	57775m	23.8806	ug/l	
50) Benzene	4.946	78	193156	22.7944	ug/l	100
51) tert-Amyl methyl ether	4.989	73	111985	19.9604	ug/l	96
53) Iso-propylacetate	4.946	43	66592m	14.5047	ug/l	
54) Methyl methacrylate	5.452	41	37497m	16.4046	ug/l	
55) Dibromochloromethane	6.415	129	54987	17.2141	ug/l	100
56) 2-Chloroethylvinylether	5.702	63	5339	18.6060	ug/l	94
57) cis-1,3-Dichloropropene	5.800	75	66994	14.6400	ug/l	99
58) trans-1,3-Dichloropropene	6.086	75	60389m	14.4404	ug/l	
59) Ethyl methacrylate	6.105	41	32130	12.5084	ug/l	97
60) 1,1,2-Trichloroethane	6.190	97	44421	17.1313	ug/l	97
61) 1,2-Dibromoethane	6.495	107	51604	19.4238	ug/l	100
62) 1,3-Dichloropropane	6.287	76	71362	16.0988	ug/l	94
63) 4-Methyl-2-Pentanone	5.867	43	36845m	16.0222	ug/l	
64) 2-Hexanone	6.300	43	21513	13.2329	ug/l	99
65) Tetrachloroethene	6.287	164	56119	22.8593	ug/l	94
67) Toluene	5.989	92	133518	17.7853	ug/l	99

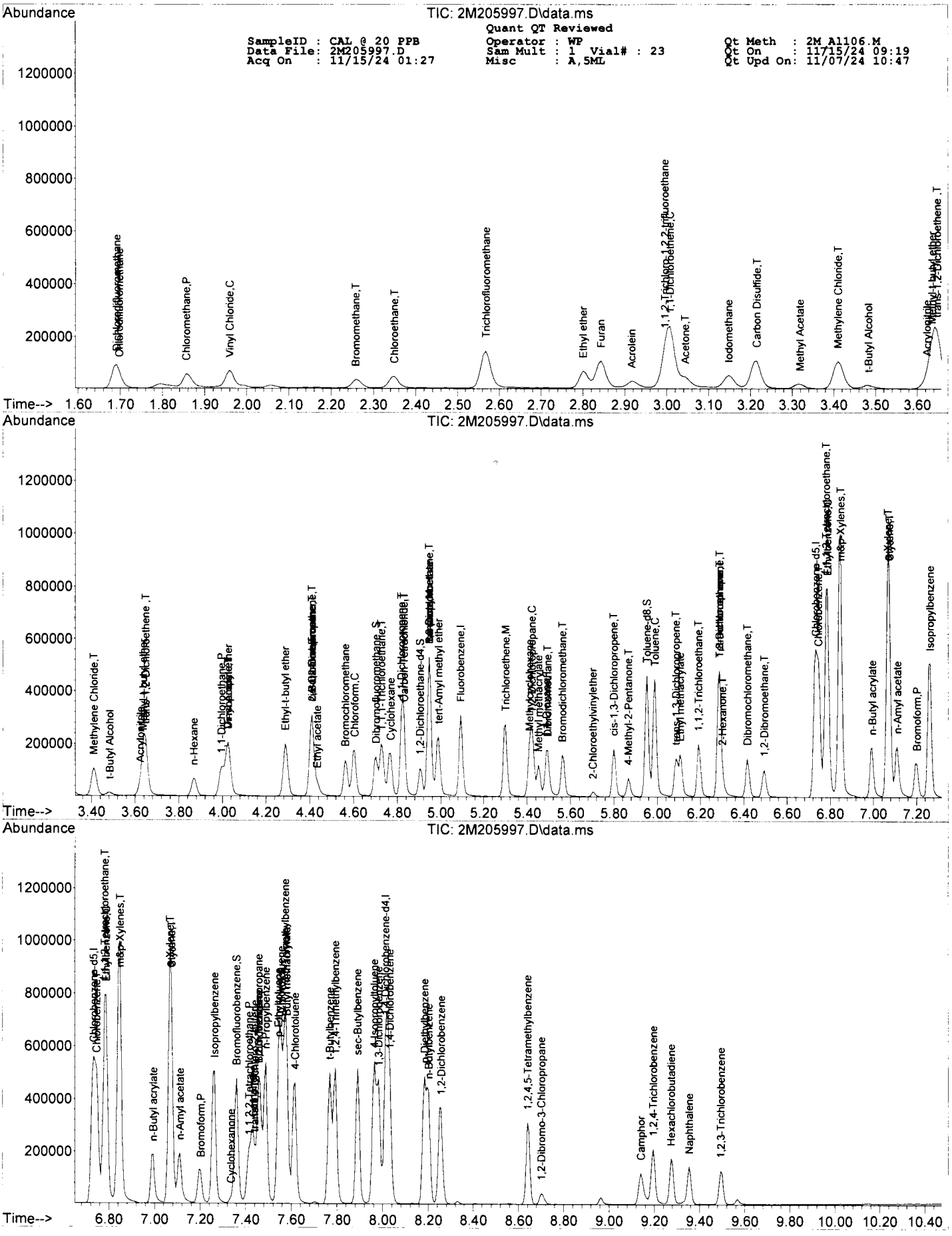
Quantitation Report (QT Reviewed)

SampleID : CAL @ 20 PPB Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205997.D Sam Mult : 1 Vial# : 23 Qt On : 11/15/24 09:19
Acq On : 11/15/24 01:27 Misc : A,5ML Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.781	133	66812	22.2843	ug/l	98
69)	Chlorobenzene	6.745	112	189284	23.2763	ug/l	98
71)	n-Butyl acrylate	6.995	55	112898m	18.2318	ug/l	
72)	n-Amyl acetate	7.110	43	83463m	16.0305	ug/l	
73)	Bromoform	7.202	173	48871	19.8863	ug/l	96
74)	Ethylbenzene	6.787	106	83761	20.1651	ug/l	95
75)	1,1,2,2-Tetrachloroethane	7.415	83	60376m	16.3264	ug/l	
77)	Styrene	7.074	104	190103	18.2612	ug/l	100
78)	m&p-Xylenes	6.848	106	231733	38.7153	ug/l	98
79)	o-Xylene	7.068	106	112534	18.5345	ug/l	96
80)	trans-1,4-Dichloro-2-b...	7.440	53	15801m	12.3055	ug/l	
81)	1,3-Dichlorobenzene	7.982	146	149795	21.7643	ug/l	99
82)	1,4-Dichlorobenzene	8.031	146	156504	21.9456	ug/l	97
83)	1,2-Dichlorobenzene	8.257	146	134027	20.6176	ug/l	98
84)	Isopropylbenzene	7.263	105	269667	21.4294	ug/l	99
85)	Cyclohexanone	7.336	55	8200	29.3157	ug/l	93
86)	Camphene	7.434	93	54174	20.4206	ug/l	98
87)	1,2,3-Trichloropropane	7.458	75	75338m	16.9096	ug/l	
88)	2-Chlorotoluene	7.556	91	148329	17.5283	ug/l	99
89)	p-Ethyltoluene	7.543	105	262543	18.5866	ug/l	98
90)	4-Chlorotoluene	7.616	91	164428	19.3413	ug/l	97
91)	n-Propylbenzene	7.488	91	294323	19.4764	ug/l	97
92)	Bromobenzene	7.458	77	149006	17.9946	ug/l	85
93)	1,3,5-Trimethylbenzene	7.574	105	188036	18.9342	ug/l	99
94)	Butyl methacrylate	7.580	41	88572m	18.2372	ug/l	
95)	t-Butylbenzene	7.769	119	213345	20.6008	ug/l	98
96)	1,2,4-Trimethylbenzene	7.793	105	213726	18.8090	ug/l	98
97)	sec-Butylbenzene	7.891	105	261171	21.4033	ug/l	97
98)	4-Isopropyltoluene	7.964	119	235364	22.0849	ug/l	99
99)	n-Butylbenzene	8.202	91	205763	18.9489	ug/l	98
100)	p-Diethylbenzene	8.183	119	121942	20.2092	ug/l	99
101)	1,2,4,5-Tetramethylben...	8.641	119	132651m	15.9549	ug/l	
102)	1,2-Dibromo-3-Chloropr...	8.702	157	10602m	16.0734	ug/l	
103)	Camphor	9.141	95	32893	145.2968	ug/l	98
104)	Hexachlorobutadiene	9.275	225	26857	20.1544	ug/l	95
105)	1,2,4-Trichlorobenzene	9.195	180	49057	17.3476	ug/l	99
106)	1,2,3-Trichlorobenzene	9.494	180	33328	16.5577	ug/l	97
107)	Naphthalene	9.354	128	93989m	16.0515	ug/l	

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


Abundance
TIC: 2M205997.D\data.ms
Quant QT Reviewed
SampleID : CAL @ 20 PPB
Data File: 2M205997.D
Acq On : 11/15/24 01:27
Operator : WP
Sam Mult : 1 Vial# : 23
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/15/24 09:19
Qt Upd On: 11/07/24 10:47
Time-->

GC/MS Volatile Data
Raw QC Data

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 2M205966.D
Analysis Date: 11/14/24 15:33
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.51	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 761793

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 usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK
Client Id:
Data File: 2M205966.D
Analysis Date: 11/14/24 15:33
Date Rec/Extracted:

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 761793

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

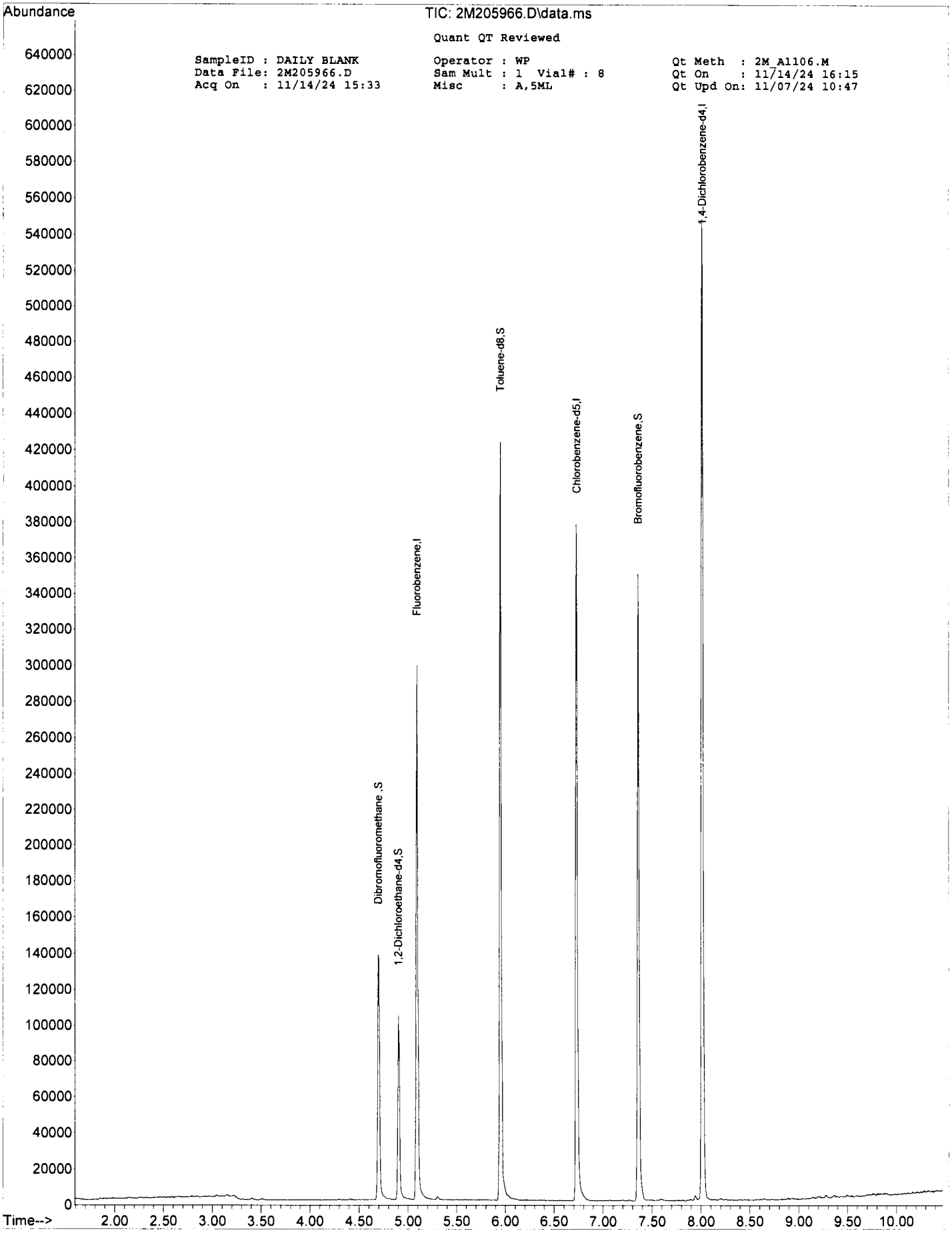
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205966.D Sam Mult : 1 Vial# : 8 Qt On : 11/14/24 16:15
Acq On : 11/14/24 15:33 Misc : A,5ML Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	182582	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	176159	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.019	152	130056	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.696	111	57081	29.25	ug/l	0.00
Spiked Amount 30.000			Recovery =	97.50%		
39) 1,2-Dichloroethane-d4	4.904	67	24583	27.16	ug/l	0.00
Spiked Amount 30.000			Recovery =	90.53%		
66) Toluene-d8	5.952	98	204165	26.32	ug/l	0.00
Spiked Amount 30.000			Recovery =	87.73%		
76) Bromofluorobenzene	7.361	174	84274	25.07	ug/l	0.00
Spiked Amount 30.000			Recovery =	83.57%		
Target Compounds						Qvalue
No Library Search Compounds Found						

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


Abundance
TIC: 2M205966.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 2M205966.D
Acq On : 11/14/24 15:33
Operator : WP
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/14/24 16:15
Qt Upd On: 11/07/24 10:47
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205966.D
Acq On : 14 Nov 2024 15:33
Operator : WP
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 8 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Title : @GCMS_2,ug,624,8260

Signal : TIC: 2M205966.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.696	505	510	525	rBV	136554	194970	27.89%	6.827%
2	4.904	539	544	553	rBV	102351	133693	19.12%	4.681%
3	5.093	570	575	594	rBV	296843	374830	53.62%	13.125%
4	5.952	711	716	726	rBV	421777	519317	74.28%	18.184%
5	6.727	838	843	861	rBV	376665	502395	71.86%	17.592%
6	7.361	942	947	961	rBV	349006	431579	61.73%	15.112%
7	8.013	1049	1054	1069	rVB	546088	699097	100.00%	24.479%

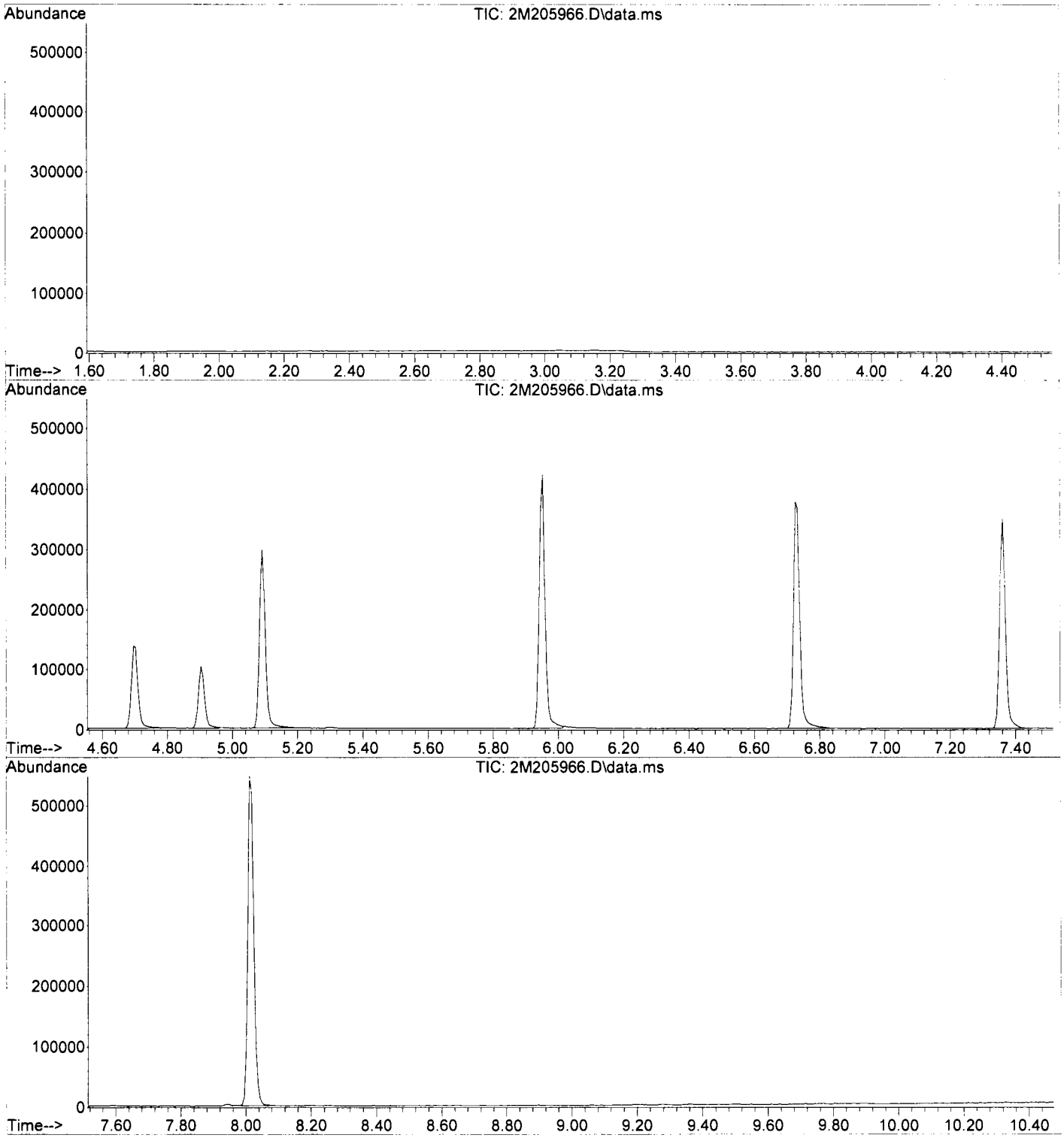
Sum of corrected areas: 2855881

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205966.D
Acq On : 14 Nov 2024 15:33
Operator : WP
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 8 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205966.D
Acq On : 14 Nov 2024 15:33
Operator : WP
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 8 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard				
TIC Top Hit name	RT	EstConc	Units	Response	#	ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form1

ORGANICS VOLATILE REPORT

Sample Number: DAILY BLANK
Client Id:
Data File: 2M206002.D
Analysis Date: 11/15/24 03:04
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U	67-66-3	Chloroform	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	0.51	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	1.0	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 761793

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK
Client Id:
Data File: 2M206002.D
Analysis Date: 11/15/24 03:04
Date Rec/Extracted:

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 761793

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M206002.D Sam Mult : 1 Vial# : 28 Qt On : 11/15/24 09:31
Acq On : 11/15/24 03:04 Misc : A,5ML Qt Upd On: 11/07/24 10:47

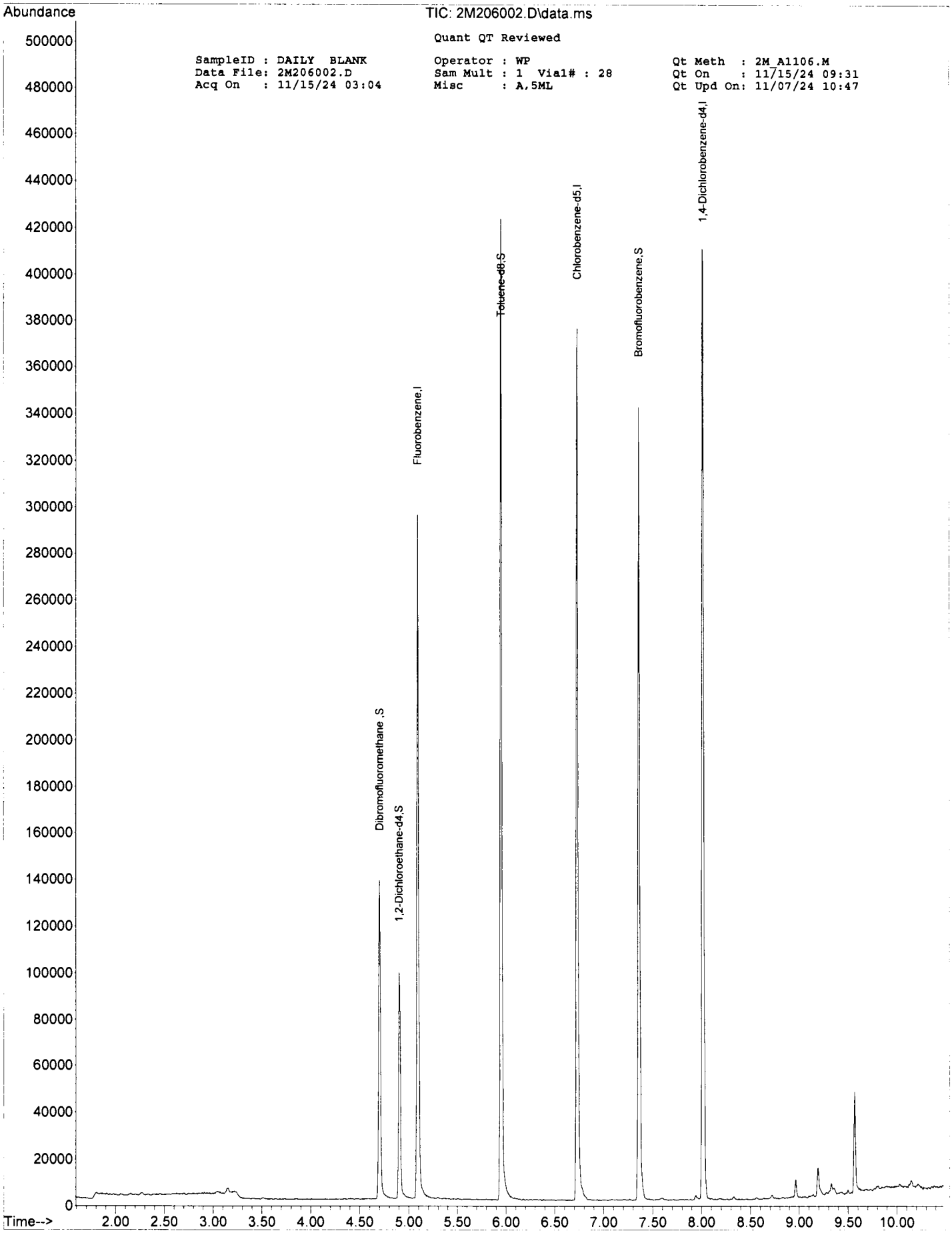
Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	178268	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.732	117	174626	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.019	152	96948	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	54971	28.85	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.17%			
39) 1,2-Dichloroethane-d4	4.904	67	23814	26.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.80%			
66) Toluene-d8	5.952	98	204142	26.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.50%			
76) Bromofluorobenzene	7.360	174	82371	32.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.57%			

Target Compounds Qvalue

No Library Search Compounds Found

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


Abundance
TIC: 2M206002.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 2M206002.D
Acq On : 11/15/24 03:04
Operator : WP
Sam Mult : 1 Vial# : 28
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/15/24 09:31
Qt Upd On: 11/07/24 10:47
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

LSC Area Percent Report

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Data File : 2M206002.D
Acq On : 15 Nov 2024 03:04
Operator : WP
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 28 Sample Multiplier: 1

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 100 Area counts
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Title : @GCMS_2,ug,624,8260

Signal : TIC: 2M206002.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.702	505	511	525	rBV	136468	186142	35.24%	6.841%
2	4.904	540	544	556	rBV	97046	130168	24.64%	4.784%
3	5.093	570	575	589	rBV	293679	364986	69.10%	13.413%
4	5.952	711	716	731	rBV	421151	522054	98.84%	19.185%
5	6.732	838	844	861	rBV	374309	491797	93.11%	18.073%
6	7.360	942	947	962	rBV	340422	424651	80.40%	15.606%
7	8.013	1049	1054	1063	rBV	408243	528199	100.00%	19.411%
8	9.195	1242	1248	1258	rBV4	12271	22088	4.18%	0.812%
9	9.567	1305	1309	1316	rBV	43242	51056	9.67%	1.876%

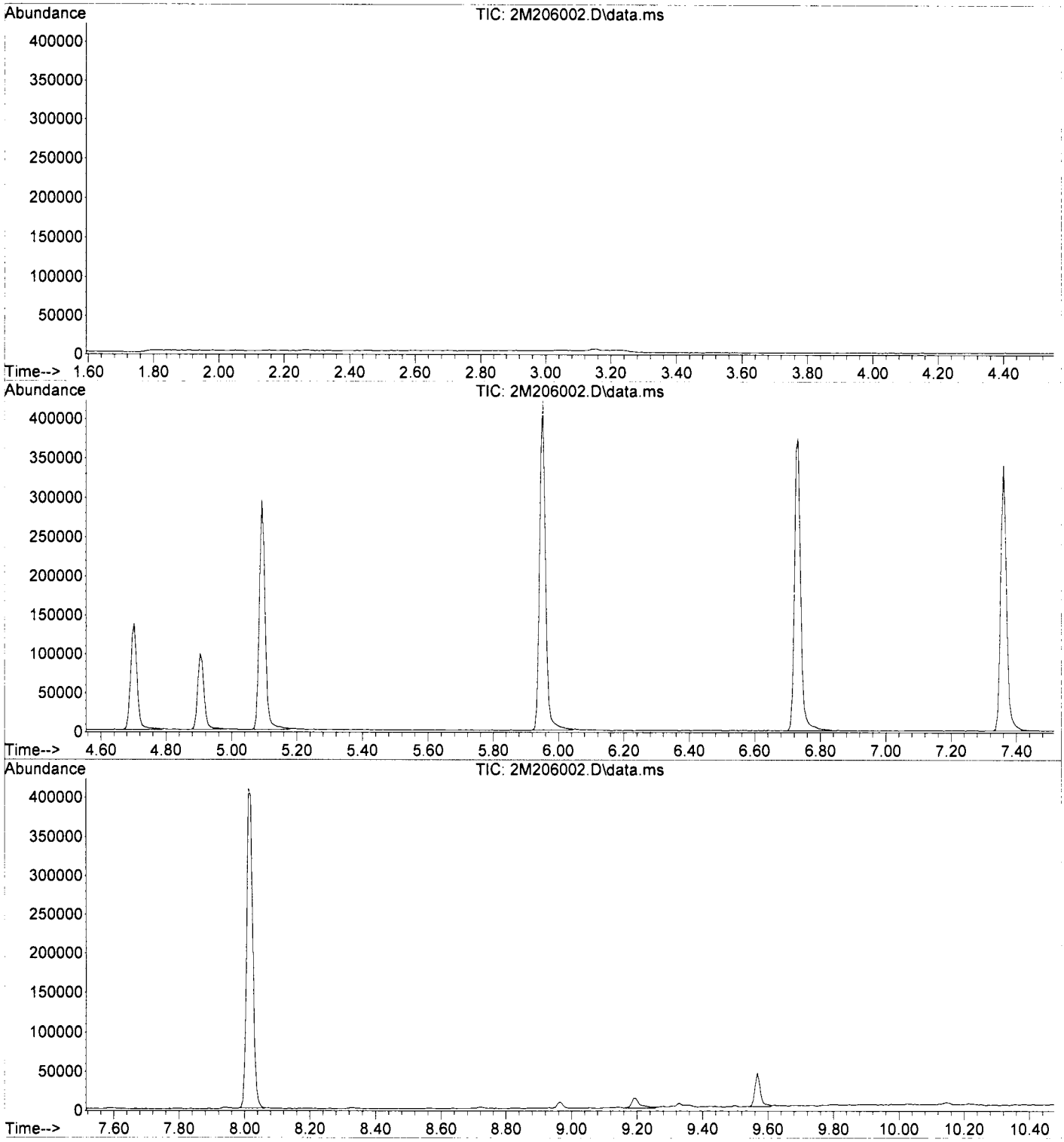
Sum of corrected areas: 2721141

LSC Report - Integrated Chromatogram

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Data File : 2M206002.D
Acq On : 15 Nov 2024 03:04
Operator : WP
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 28 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P



Tentatively Identified Compound (LSC) summary

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Data File : 2M206002.D
Acq On : 15 Nov 2024 03:04
Operator : WP
Sample : DAILY BLANK
Misc : A,5ML
ALS Vial : 28 Sample Multiplier: 1

Quant Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Quant Title : @GCMS_2,ug,624,8260

TIC Library : G:\GCMSDATA\WILEY138.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	# ExpRT	ActRt	Resp	Conc

No Library Search Compounds Detected
****

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M205516.D
Analysis Date: 11/06/24 19:00
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.330 to 7.373 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	24.1	6636	PASS
75	95	30	60	58.9	16209	PASS
95	95	100	100	100.0	27509	PASS
96	95	5	9	6.6	1803	PASS
173	174	0.00	2	0.1	16	PASS
174	95	50	100	94.2	25916	PASS
175	174	5	9	8.0	2079	PASS
176	174	95	101	95.5	24762	PASS
177	176	5	9	6.6	1631	PASS

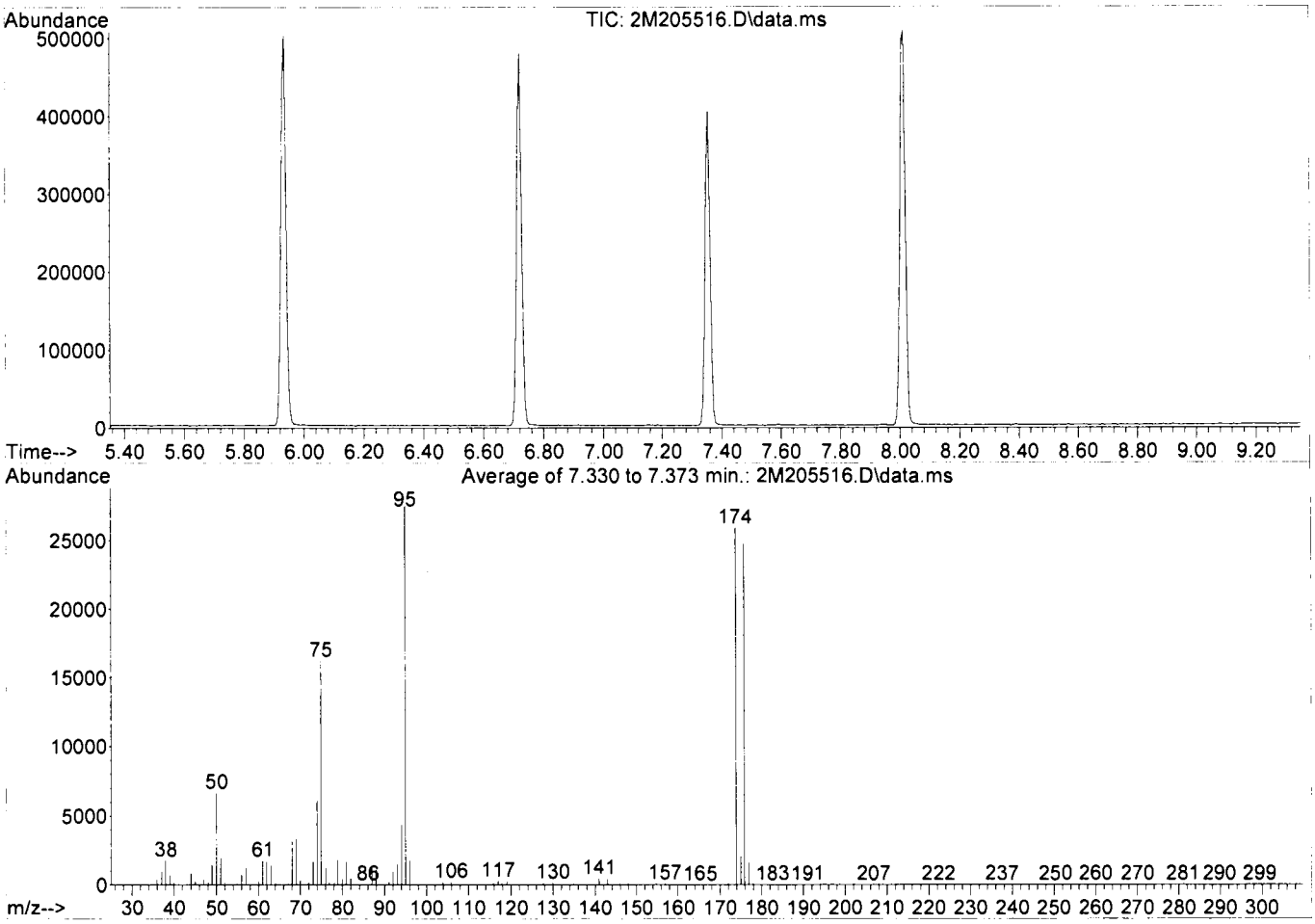
Data File	Sample Number	Analysis Date:
2M205518.D	CAL @ 0.5 PPB	11/06/24 19:35
2M205519.D	1 PPB	11/06/24 19:54
2M205520.D	CAL @ 5 PPB	11/06/24 20:14
2M205521.D	CAL @ 10 PPB	11/06/24 20:33
2M205523.D	CAL @ 1 PPB	11/06/24 21:13
2M205524.D	CAL @ 20 PPB	11/06/24 21:32
2M205526.D	CAL @ 50 PPB	11/06/24 22:11
2M205528.D	CAL @ 100 PPB	11/06/24 22:50
2M205531.D	CAL @ 250 PPB	11/06/24 23:48
2M205534.D	CAL @ 500 PPB	11/07/24 00:47
2M205541.D	ICV	11/07/24 03:02

CLPBFB

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-06-24\
Data File : 2M205516.D
Acq On : 06 Nov 2024 19:00
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 5 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2024\GCMS_1\MethodQt\1M_S0923X.M
Title : @GCMS_1,ug,624,8260
Last Update : Tue Sep 24 18:38:11 2024



Spectrum Information: Average of 7.330 to 7.373 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	24.1	6636	PASS
75	95	30	60	58.9	16209	PASS
95	95	100	100	100.0	27509	PASS
96	95	5	9	6.6	1803	PASS
173	174	0.00	2	0.1	16	PASS
174	95	50	100	94.2	25916	PASS
175	174	5	9	8.0	2079	PASS
176	174	95	101	95.5	24762	PASS
177	176	5	9	6.6	1631	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M205959.D
Analysis Date: 11/14/24 13:21
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.330 to 7.354 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	20.6	4593	PASS
75	95	30	60	54.9	12248	PASS
95	95	100	100	100.0	22316	PASS
96	95	5	9	7.7	1711	PASS
173	174	0.00	2	0.0	1	PASS
174	95	50	100	98.0	21863	PASS
175	174	5	9	8.2	1789	PASS
176	174	95	101	98.4	21507	PASS
177	176	5	9	6.4	1370	PASS

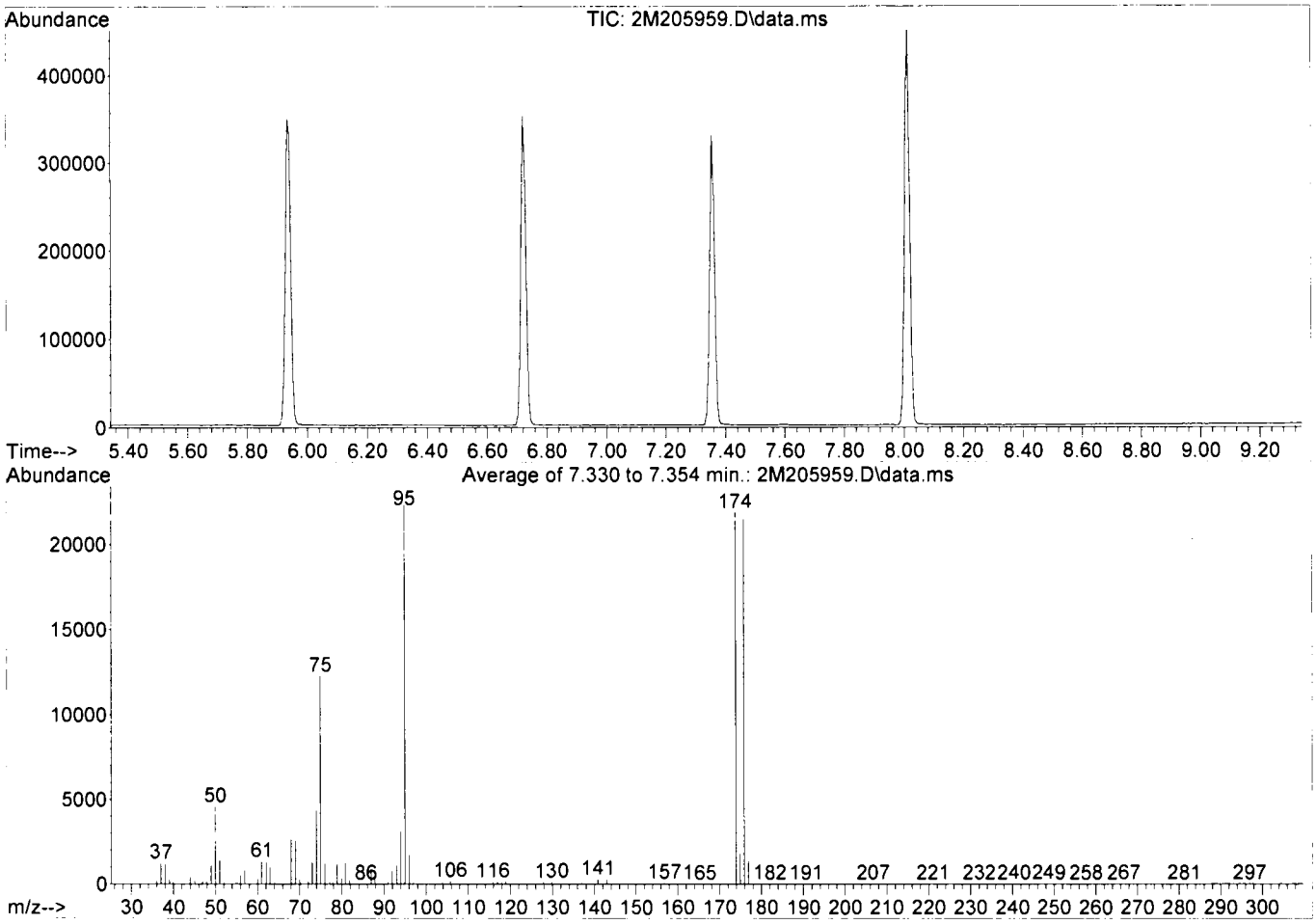
Data File	Sample Number	Analysis Date:
2M205961.D	CAL @ 20 PPB	11/14/24 13:56
2M205962.D	20 PPB	11/14/24 14:15
2M205964.D	RINSE	11/14/24 14:54
2M205965.D	DAILY BLANK	11/14/24 15:13
2M205966.D	DAILY BLANK	11/14/24 15:33
2M205967.D	AD48092-010	11/14/24 15:52
2M205968.D	AD48090-001	11/14/24 16:12
2M205969.D	MBS120045	11/14/24 16:31
2M205970.D	MBS120046	11/14/24 16:51
2M205971.D	AD47849-001(50X)	11/14/24 17:10
2M205972.D	AD48093-002	11/14/24 17:30
2M205973.D	AD48093-003	11/14/24 17:49
2M205974.D	AD47955-007	11/14/24 18:08
2M205975.D	AD48090-003	11/14/24 18:28
2M205976.D	AD48090-004	11/14/24 18:47
2M205977.D	AD48090-005	11/14/24 19:07
2M205978.D	RINSE-DI	11/14/24 19:26
2M205979.D	AD48090-002(5X)	11/14/24 19:46
2M205980.D	AD47849-001(50X)	11/14/24 20:06
2M205981.D	AD47849-001(50X)	11/14/24 20:25
2M205982.D	AD48106-002	11/14/24 20:45
2M205983.D	AD48106-001	11/14/24 21:04
2M205984.D	AD48092-002	11/14/24 21:23
2M205985.D	AD48092-001	11/14/24 21:43
2M205986.D	AD48092-006	11/14/24 22:02
2M205987.D	AD48092-007	11/14/24 22:22
2M205988.D	AD48092-009	11/14/24 22:41
2M205989.D	AD48100-001	11/14/24 23:01
2M205990.D	AD48100-002	11/14/24 23:20
2M205991.D	AD48100-003	11/14/24 23:39
2M205992.D	AD48093-001	11/14/24 23:59
2M205993.D	AD48092-006	11/15/24 00:18
2M205994.D	AD48092-002	11/15/24 00:38
2M205995.D	AD48100-001	11/15/24 00:57

CLPBFB

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Data File : 2M205959.D
Acq On : 14 Nov 2024 13:21
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2024\GCMS_6\MethodQt\6M_A1004.M
Title : @GCMS_6,ug,624,8260
Last Update : Mon Oct 07 15:35:27 2024



Spectrum Information: Average of 7.330 to 7.354 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	4593	PASS
75	95	30	60	54.9	12248	PASS
95	95	100	100	100.0	22316	PASS
96	95	5	9	7.7	1711	PASS
173	174	0.00	2	0.0	1	PASS
174	95	50	100	98.0	21863	PASS
175	174	5	9	8.2	1789	PASS
176	174	95	101	98.4	21507	PASS
177	176	5	9	6.4	1370	PASS

Form 5

Tune Name: BFB TUNE
Instrument: GCMS 2
Data File: 2M205996.D
Analysis Date: 11/15/24 01:12
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.348 to 7.348 min

Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	19.1	7279	PASS
75	95	30	60	51.4	19616	PASS
95	95	100	100	100.0	38152	PASS
96	95	5	9	6.8	2609	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	88.7	33856	PASS
175	174	5	9	8.8	2969	PASS
176	174	95	101	99.4	33664	PASS
177	176	5	9	7.2	2426	PASS

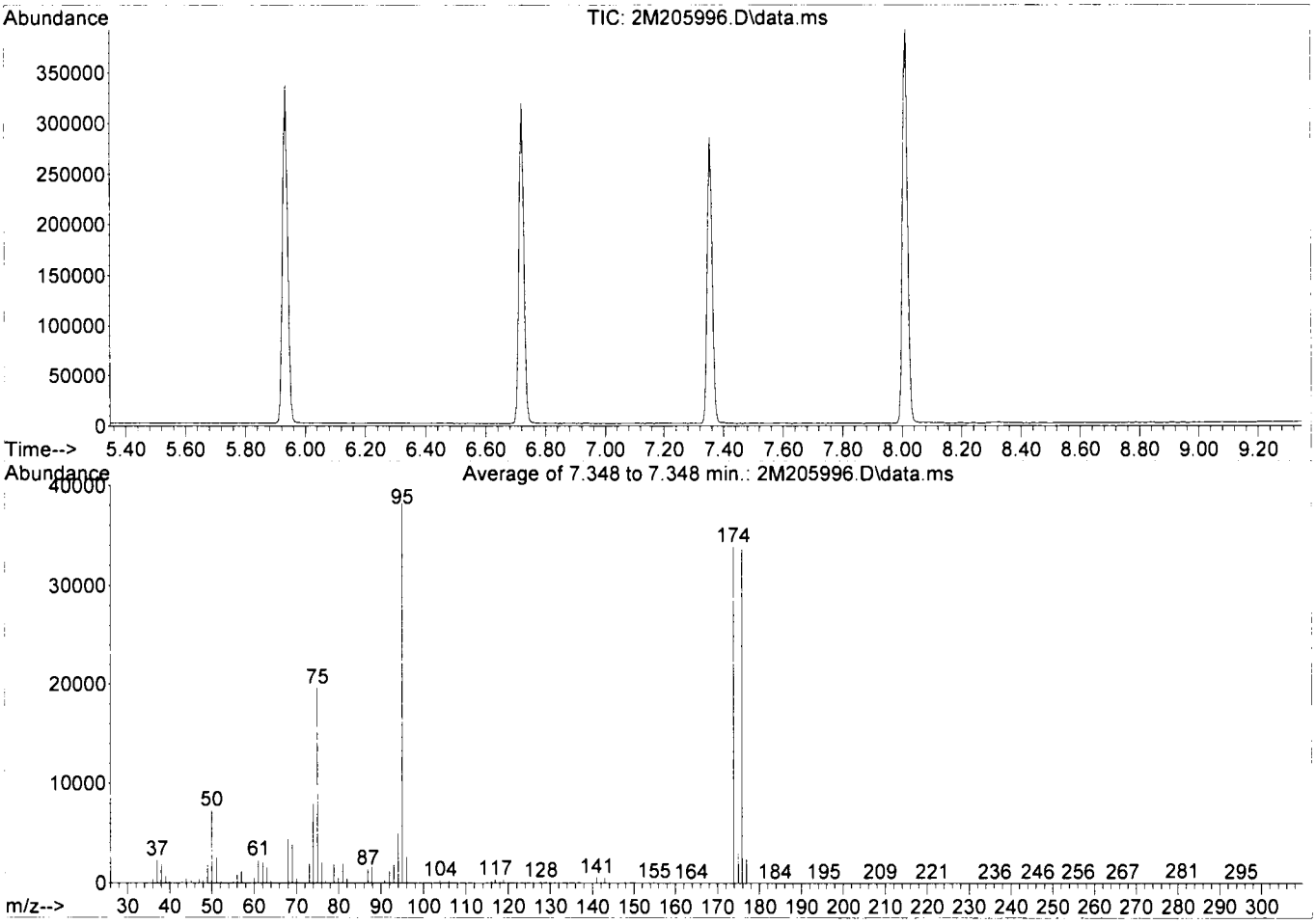
Data File	Sample Number	Analysis Date:
2M205997.D	CAL @ 20 PPB	11/15/24 01:27
2M205999.D	RINSE	11/15/24 02:06
2M206000.D	RINSE-HCL	11/15/24 02:25
2M206001.D	DAILY BLANK	11/15/24 02:45
2M206002.D	DAILY BLANK	11/15/24 03:04
2M206003.D	AD48093-002	11/15/24 03:24
2M206004.D	AD48106-001	11/15/24 03:43
2M206005.D	AD48106-002	11/15/24 04:03
2M206006.D	AD48100-002	11/15/24 04:22
2M206007.D	AD48100-003	11/15/24 04:41
2M206008.D	AD48090-003	11/15/24 05:01
2M206009.D	AD48090-005(10X)	11/15/24 05:21
2M206010.D	AD48090-002(10X)	11/15/24 05:41
2M206011.D	MBS120050	11/15/24 06:00
2M206012.D	MBS120047	11/15/24 06:20
2M206013.D	AD47841-017(50X)	11/15/24 06:39
2M206014.D	AD47841-017(50X)	11/15/24 06:59
2M206015.D	AD47841-017(50X)	11/15/24 07:18
2M206016.D	AD48117-004	11/15/24 07:38
2M206017.D	AD48117-005	11/15/24 07:57
2M206018.D	AD48114-007	11/15/24 08:17
2M206019.D	AD48114-008	11/15/24 08:36
2M206020.D	AD48100-001	11/15/24 08:56
2M206021.D	AD48117-001	11/15/24 09:15
2M206022.D	AD48117-002	11/15/24 09:35
2M206023.D	AD48117-003	11/15/24 09:54
2M206024.D	AD48114-001	11/15/24 10:14
2M206025.D	AD48114-002	11/15/24 10:33
2M206026.D	AD48114-003	11/15/24 10:52
2M206027.D	AD48114-004	11/15/24 11:12
2M206028.D	AD48114-006	11/15/24 11:31
2M206029.D	AD48114-005	11/15/24 11:51

CLPBFB

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Data File : 2M205996.D
Acq On : 15 Nov 2024 01:12
Operator : WP
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 22 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2024\GCMS_2\MethodQt\2M_A1106.M
Title : @GCMS_2,ug,624,8260
Last Update : Thu Nov 07 10:45:33 2024



Spectrum Information: Average of 7.348 to 7.348 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	7279	PASS
75	95	30	60	51.4	19616	PASS
95	95	100	100	100.0	38152	PASS
96	95	5	9	6.8	2609	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	88.7	33856	PASS
175	174	5	9	8.8	2969	PASS
176	174	95	101	99.4	33664	PASS
177	176	5	9	7.2	2426	PASS

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120045

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M205969.D	MBS120045	11/14/2024 4:31:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	5.018	0	20	25	16	181
Dichlorodifluoromethane	1	17.3602	0	20	87	10	202
Chloromethane	1	13.9534	0	20	70	10	182
Bromomethane	1	12.4077	0	20	62	10	172
Vinyl Chloride	1	18.4492	0	20	92	26	176
Chloroethane	1	16.5916	0	20	83	28	165
Trichlorofluoromethane	1	17.5893	0	20	88	18	178
Ethyl ether	1	13.3031	0	20	67	38	155
Furan	1	11.9191	0	20	60	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	18.1907	0	20	91	32	178
Methylene Chloride	1	20.2746	0	20	101	10	225
Acrolein	1	60.3781	0	100	60	10	183
Acrylonitrile	1	16.0378	0	20	80	40	164
Iodomethane	1	14.3712	0	20	72	10	191
Acetone	1	65.3531	0	100	65	10	237
Carbon Disulfide	1	19.7218	0	20	99	10	194
t-Butyl Alcohol	1	62.6217	0	100	63	21	185
n-Hexane	1	19.3154	0	20	97	43	179
Di-isopropyl-ether	1	16.777	0	20	84	47	159
1,1-Dichloroethene	1	14.7366	0	20	74	42	172
Methyl Acetate	1	17.29	0	20	86	10	192
Methyl-t-butyl ether	1	17.6092	0	20	88	43	154
1,1-Dichloroethane	1	18.1519	0	20	91	48	160
trans-1,2-Dichloroethene	1	21.0504	0	20	105	37	171
Ethyl-t-butyl ether	1	16.8966	0	20	84	53	149
cis-1,2-Dichloroethene	1	17.1472	0	20	86	45	161
Bromochloromethane	1	16.0594	0	20	80	42	170
2,2-Dichloropropane	1	15.2843	0	20	76	33	173
Ethyl acetate	1	15.0197	0	20	75	38	156
1,4-Dioxane	1	839.704	0	1000	84	18	186
1,1-Dichloropropene	1	19.8544	0	20	99	51	157
Chloroform	1	19.8716	0	20	99	47	157
Cyclohexane	1	19.514	0	20	98	41	175
1,2-Dichloroethane	1	16.8074	0	20	84	43	154
2-Butanone	1	16.6176	0	20	83	20	188
1,1,1-Trichloroethane	1	20.97	0	20	105	49	155
Carbon Tetrachloride	1	21.7147	0	20	109	47	159
Vinyl Acetate	1	15.0843	0	20	75	31	160
Bromodichloromethane	1	18.1542	0	20	91	48	152
Methylcyclohexane	1	21.4872	0	20	107	47	167
Dibromomethane	1	23.9632	0	20	120	47	153
1,2-Dichloropropane	1	17.8226	0	20	89	53	153
Trichloroethene	1	23.4869	0	20	117	45	165
Benzene	1	18.8269	0	20	94	41	163
tert-Amyl methyl ether	1	16.4847	0	20	82	51	146
Iso-propylacetate	1	13.7132	0	20	69	37	153
Methyl methacrylate	1	14.5492	0	20	73	40	160
Dibromochloromethane	1	18.685	0	20	93	50	144
2-Chloroethylvinylether	1	18.1474	0	20	91	10	201
cis-1,3-Dichloropropene	1	15.5914	0	20	78	49	146
trans-1,3-Dichloropropene	1	14.1039	0	20	71	48	144
Ethyl methacrylate	1	12.6419	0	20	63	38	160
1,1,2-Trichloroethane	1	17.7737	0	20	89	52	146
1,2-Dibromoethane	1	18.4741	0	20	92	55	140
1,3-Dichloropropane	1	16.2814	0	20	81	54	142
4-Methyl-2-Pentanone	1	15.9401	0	20	80	41	158
2-Hexanone	1	12.3181	0	20	62	39	163
Tetrachloroethene	1	23.1876	0	20	116	48	162
Toluene	1	17.957	0	20	90	49	153
1,1,1,2-Tetrachloroethane	1	18.9302	0	20	95	51	140
Chlorobenzene	1	19.5166	0	20	98	43	155

* - 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: MBS120045

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	9.8678	0	20	49	21	181
n-Amyl acetate	1	9.0741	0	20	45	20	182
Bromoform	**1**	**14.544**	**0**	**20**	**73**	**47**	**137**
Ethylbenzene	**1**	**14.1451**	**0**	**20**	**71**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**15.2322**	**0**	**20**	**76**	**36**	**152**
Styrene	**1**	**13.3836**	**0**	**20**	**67**	**34**	**170**
m&p-Xylenes	**1**	**27.3603**	**0**	**40**	**68**	**16**	**184**
o-Xylene	**1**	**13.1299**	**0**	**20**	**66**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	12.3344	0	20	62	10	154
1,3-Dichlorobenzene	**1**	**17.9909**	**0**	**20**	**90**	**46**	**147**
1,4-Dichlorobenzene	**1**	**18.2637**	**0**	**20**	**91**	**37**	**156**
1,2-Dichlorobenzene	**1**	**16.3848**	**0**	**20**	**82**	**42**	**150**
Isopropylbenzene	**1**	**13.8023**	**0**	**20**	**69**	**32**	**174**
Cyclohexanone	1	22.9565	0	100	23	10	254
Camphene	1	18.6371	0	20	93	10	172
1,2,3-Trichloropropane	1	13.6436	0	20	68	20	164
2-Chlorotoluene	1	15.413	0	20	77	43	153
p-Ethyltoluene	1	15.6465	0	20	78	36	164
4-Chlorotoluene	1	14.8692	0	20	74	34	160
n-Propylbenzene	1	17.1134	0	20	86	30	176
Bromobenzene	1	16.05	0	20	80	44	142
1,3,5-Trimethylbenzene	1	16.2841	0	20	81	37	165
Butyl methacrylate	1	11.8055	0	20	59	30	169
t-Butylbenzene	1	18.5278	0	20	93	48	162
1,2,4-Trimethylbenzene	1	17.0669	0	20	85	38	162
sec-Butylbenzene	1	16.3324	0	20	82	42	164
4-Isopropyltoluene	1	16.573	0	20	83	40	162
n-Butylbenzene	1	14.6162	0	20	73	30	176
p-Diethylbenzene	1	16.279	0	20	81	23	179
1,2,4,5-Tetramethylbenzene	1	17.5854	0	20	88	18	177
1,2-Dibromo-3-Chloropropane	**1**	**14.9895**	**0**	**20**	**75**	**32**	**154**
Camphor	1	107.5868	0	200	54	10	202
Hexachlorobutadiene	1	24.2611	0	20	121	23	181
1,2,4-Trichlorobenzene	**1**	**19.7462**	**0**	**20**	**99**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**19.1148**	**0**	**20**	**96**	**30**	**172**
Naphthalene	1	21.8899	0	20	109	13	191

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

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 2M205969.D
Acq On : 11/14/24 16:31

Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML

Qt Meth : 2M_A1106.M
Qt On : 11/14/24 16:42
Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	221307	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	206816	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.019	152	161523	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	67789	28.65	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.50%			
39) 1,2-Dichloroethane-d4	4.904	67	28428	25.91	ug/l	0.00
Spiked Amount 30.000			Recovery = 86.37%			
66) Toluene-d8	5.952	98	255742	28.08	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.60%			
76) Bromofluorobenzene	7.361	174	103950	24.90	ug/l	0.00
Spiked Amount 30.000			Recovery = 83.00%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.697	51	17585m	5.0180	ug/l	
6) Dichlorodifluoromethane	1.691	85	62312	17.3602	ug/l	96
7) Chloromethane	1.855	50	42926	13.9534	ug/l	98
8) Bromomethane	2.258	94	28609	12.4077	ug/l	95
9) Vinyl Chloride	1.959	62	56138	18.4492	ug/l	93
10) Chloroethane	2.349	64	34820	16.5916	ug/l	96
11) Trichlorofluoromethane	2.563	101	99387	17.5893	ug/l	99
12) Ethyl ether	2.800	59	30749	13.3031	ug/l	98
13) Furan	2.843	39	54131	11.9191	ug/l	95
14) 1,1,2-Trichloro-1,2,2-...	3.002	101	44180	18.1907	ug/l	91
15) Methylene Chloride	3.410	84	47352	20.2746	ug/l	97
16) Acrolein	2.916	56	24214m	60.3781	ug/l	
17) Acrylonitrile	3.617	53	10677m	16.0378	ug/l	
18) Iodomethane	3.148	142	58729	14.3712	ug/l	99
19) Acetone	3.044	43	47041m	65.3531	ug/l	
20) Carbon Disulfide	3.209	76	153830	19.7218	ug/l	100
21) t-Butyl Alcohol	3.483	59	11195m	62.6217	ug/l	
22) n-Hexane	3.867	57	29978	19.3154	ug/l	98
23) Di-isopropyl-ether	4.026	45	110968m	16.7770	ug/l	
24) 1,1-Dichloroethene	3.008	61	70228	14.7366	ug/l	93
25) Methyl Acetate	3.319	43	20577m	17.2900	ug/l	
26) Methyl-t-butyl ether	3.636	73	102110	17.6092	ug/l	98
27) 1,1-Dichloroethane	3.995	63	77621	18.1519	ug/l	99
28) trans-1,2-Dichloroethene	3.648	96	52123	21.0504	ug/l	92
29) Ethyl-t-butyl ether	4.288	59	118401	16.8966	ug/l	98
30) cis-1,2-Dichloroethene	4.404	61	74376	17.1472	ug/l	94
31) Bromochloromethane	4.562	49	33677	16.0594	ug/l	86
32) 2,2-Dichloropropane	4.410	77	59821	15.2843	ug/l	98
33) Ethyl acetate	4.434	43	31580m	15.0197	ug/l	
34) 1,4-Dioxane	5.489	88	20096	839.7040	ug/l	98
35) 1,1-Dichloropropene	4.824	75	70058	19.8544	ug/l	94
36) Chloroform	4.599	83	94843	19.8716	ug/l	99
38) Cyclohexane	4.763	56	48913	19.5140	ug/l	94
40) 1,2-Dichloroethane	4.946	62	65837	16.8074	ug/l	99
41) 2-Butanone	4.410	43	15001m	16.6176	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	89998	20.9700	ug/l	97
43) Carbon Tetrachloride	4.830	117	82803	21.7147	ug/l	99
44) Vinyl Acetate	4.020	43	111997	15.0843	ug/l	100
45) Bromodichloromethane	5.562	83	66929	18.1542	ug/l	96
46) Methylcyclohexane	5.410	83	49689	21.4872	ug/l	95
47) Dibromomethane	5.495	174	44705	23.9632	ug/l	98
48) 1,2-Dichloropropane	5.422	63	44126	17.8226	ug/l	99
49) Trichloroethene	5.300	130	67051	23.4869	ug/l	96
50) Benzene	4.946	78	188253	18.8269	ug/l	100
51) tert-Amyl methyl ether	4.989	73	109133	16.4847	ug/l	96
53) Iso-propylacetate	4.946	43	60620m	13.7132	ug/l	
54) Methyl methacrylate	5.452	41	32021m	14.5492	ug/l	
55) Dibromochloromethane	6.416	129	57469	18.6850	ug/l	98
56) 2-Chloroethylvinylether	5.702	63	5014	18.1474	ug/l	96
57) cis-1,3-Dichloropropene	5.800	75	68698	15.5914	ug/l	99
58) trans-1,3-Dichloropropene	6.086	75	56791	14.1039	ug/l	99
59) Ethyl methacrylate	6.105	41	31267	12.6419	ug/l	99
60) 1,1,2-Trichloroethane	6.190	97	44375	17.7737	ug/l	98
61) 1,2-Dibromoethane	6.495	107	47258	18.4741	ug/l	100
62) 1,3-Dichloropropane	6.288	76	69491	16.2814	ug/l	97
63) 4-Methyl-2-Pentanone	5.867	43	35295m	15.9401	ug/l	
64) 2-Hexanone	6.300	43	19282	12.3181	ug/l	98
65) Tetrachloroethene	6.288	164	54811	23.1876	ug/l	97
67) Toluene	5.989	92	129801	17.9570	ug/l	99

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 2M205969.D
Acq On : 11/14/24 16:31

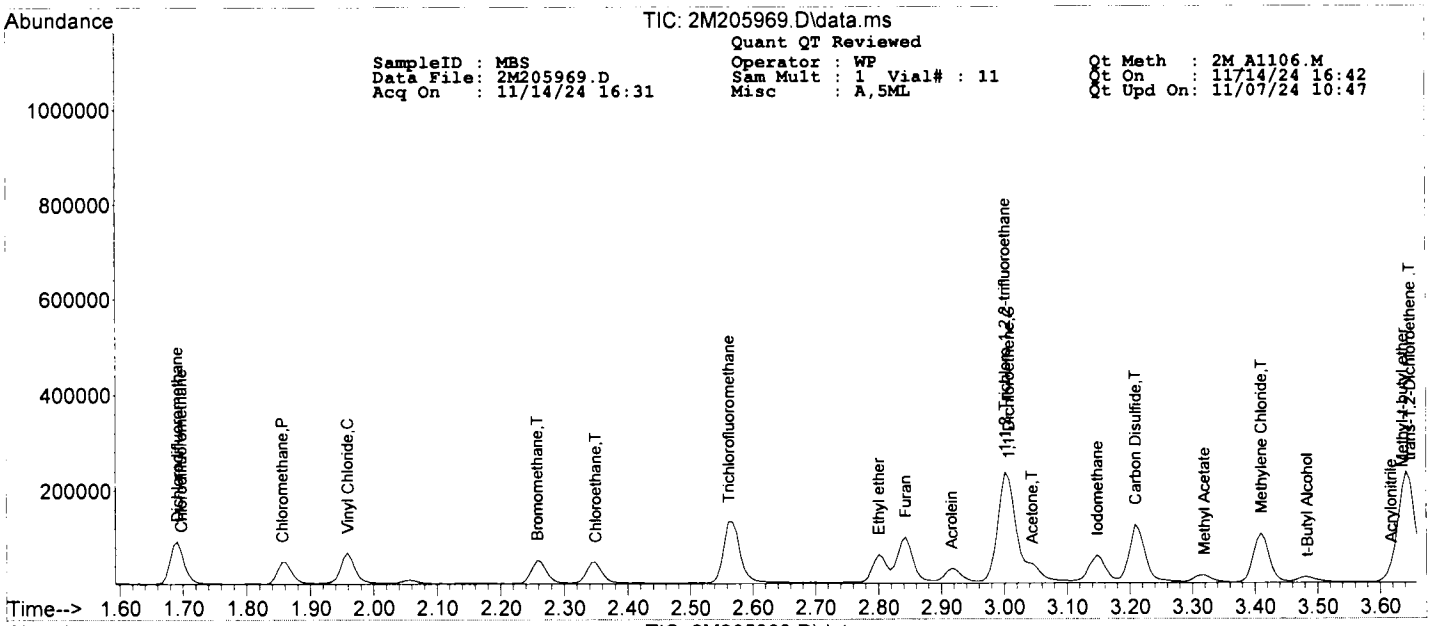
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML

Qt Meth : 2M_A1106.M
Qt On : 11/14/24 16:42
Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.781	133	54648	18.9302	ug/l	97
69)	Chlorobenzene	6.745	112	152816	19.5166	ug/l	99
71)	n-Butyl acrylate	6.989	55	70029	9.8678	ug/l	99
72)	n-Amyl acetate	7.111	43	54144	9.0741	ug/l	98
73)	Bromoform	7.196	173	40962m	14.5440	ug/l	
74)	Ethylbenzene	6.787	106	67336	14.1451	ug/l	95
75)	1,1,2,2-Tetrachloroethane	7.415	83	64556	15.2322	ug/l	96
77)	Styrene	7.074	104	159673m	13.3836	ug/l	
78)	m&p-Xylenes	6.842	106	187683	27.3603	ug/l	97
79)	o-Xylene	7.068	106	91362	13.1299	ug/l	95
80)	trans-1,4-Dichloro-2-b...	7.440	53	18151	12.3344	ug/l	75
81)	1,3-Dichlorobenzene	7.982	146	141907	17.9909	ug/l	99
82)	1,4-Dichlorobenzene	8.031	146	149268	18.2637	ug/l	99
83)	1,2-Dichlorobenzene	8.257	146	122066	16.3848	ug/l	98
84)	Isopropylbenzene	7.263	105	199053	13.8023	ug/l	99
85)	Cyclohexanone	7.336	55	7359	22.9565	ug/l	97
86)	Camphene	7.434	93	56663	18.6371	ug/l	95
87)	1,2,3-Trichloropropane	7.452	75	69664	13.6436	ug/l	90
88)	2-Chlorotoluene	7.556	91	149477	15.4130	ug/l	98
89)	p-Ethyltoluene	7.543	105	253291	15.6465	ug/l	98
90)	4-Chlorotoluene	7.617	91	144870	14.8692	ug/l	97
91)	n-Propylbenzene	7.489	91	296382	17.1134	ug/l	99
92)	Bromobenzene	7.464	77	152313	16.0500	ug/l	87
93)	1,3,5-Trimethylbenzene	7.574	105	185335	16.2841	ug/l	98
94)	Butyl methacrylate	7.580	41	65709	11.8055	ug/l	97
95)	t-Butylbenzene	7.769	119	219899	18.5278	ug/l	96
96)	1,2,4-Trimethylbenzene	7.793	105	222253	17.0669	ug/l	98
97)	sec-Butylbenzene	7.891	105	228399	16.3324	ug/l	96
98)	4-Isopropyltoluene	7.964	119	202416	16.5730	ug/l	99
99)	n-Butylbenzene	8.202	91	181893	14.6162	ug/l	96
100)	p-Diethylbenzene	8.184	119	112573	16.2790	ug/l	99
101)	1,2,4,5-Tetramethylben...	8.641	119	167559	17.5854	ug/l	96
102)	1,2-Dibromo-3-Chloropr...	8.708	157	11331	14.9895	ug/l	100
103)	Camphor	9.141	95	27913	107.5868	ug/l	99
104)	Hexachlorobutadiene	9.281	225	37051	24.2611	ug/l	97
105)	1,2,4-Trichlorobenzene	9.196	180	63995	19.7462	ug/l	99
106)	1,2,3-Trichlorobenzene	9.494	180	44094	19.1148	ug/l	96
107)	Naphthalene	9.354	128	146894	21.8899	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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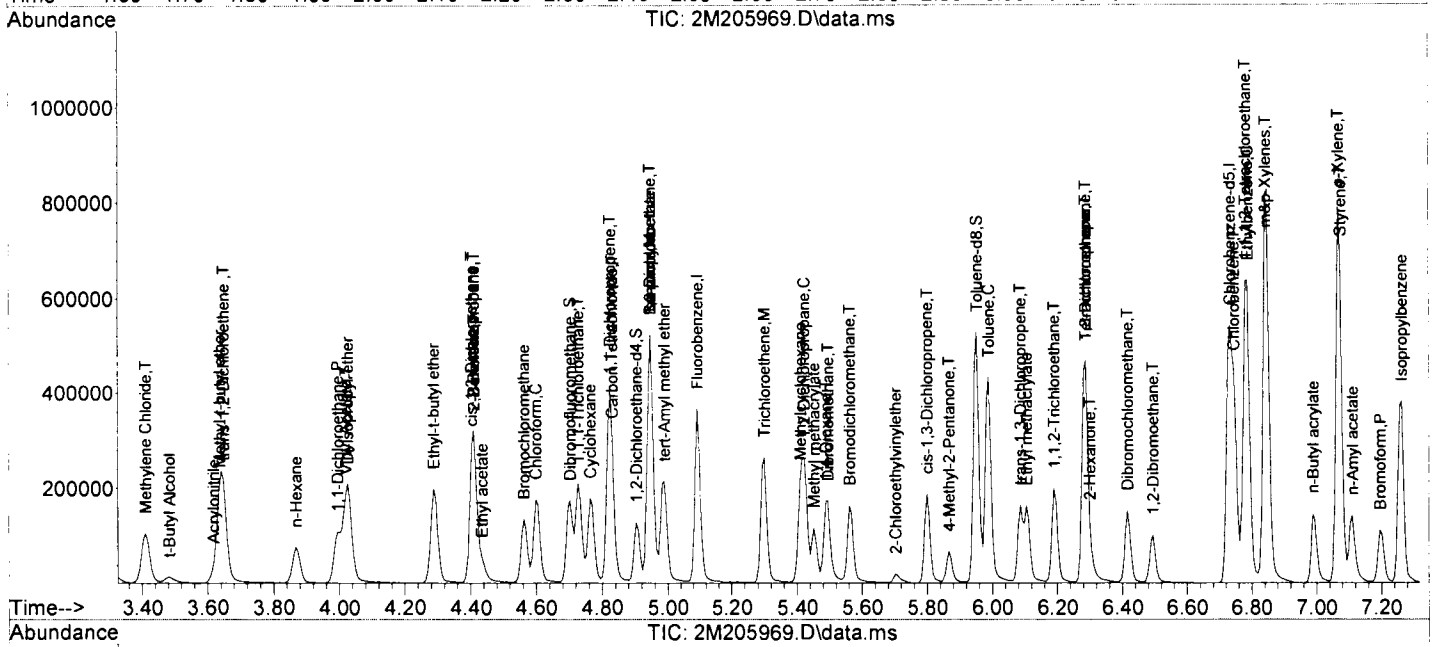
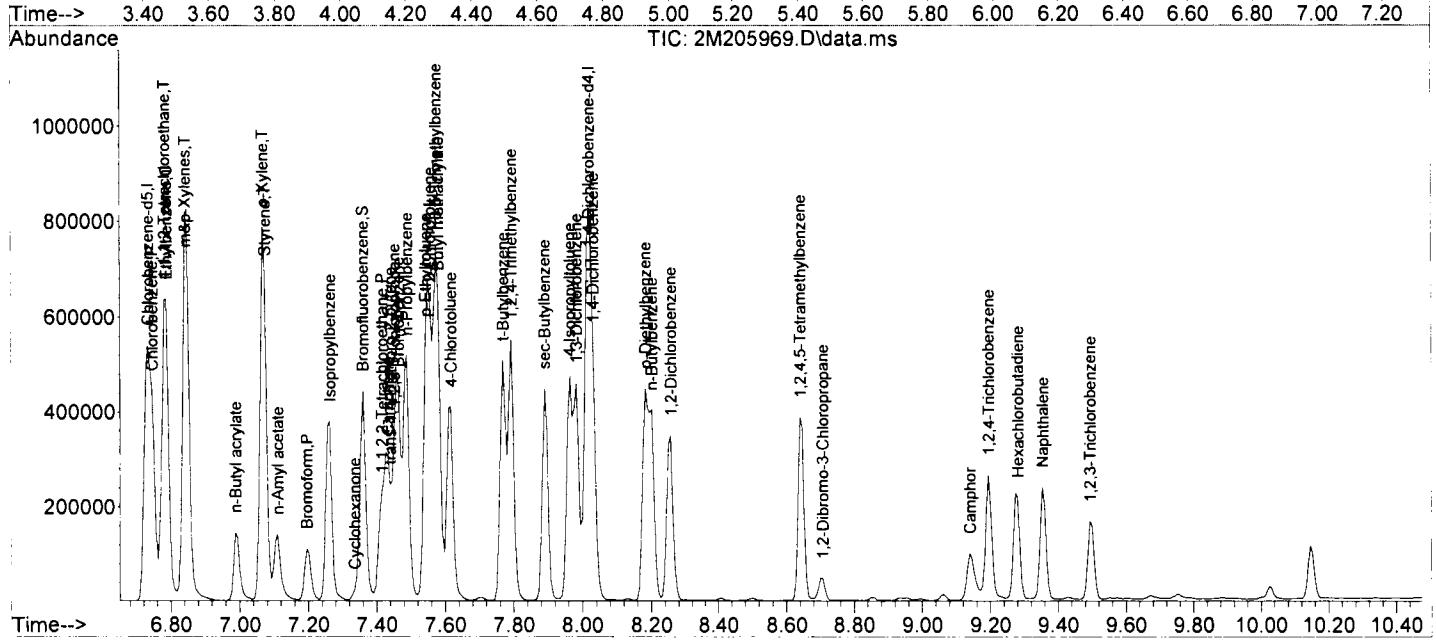
TIC: 2M205969.D\data.ms
Quant QT Reviewed
SampleID : MBS
Data File: 2M205969.D
Acq On : 11/14/24 16:31
Operator : WP
Sam Mult : 1 Vial# : 11
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/14/24 16:42
Qt Upd On: 11/07/24 10:47
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 2M205969.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
n-Hexane
Ethyl-t-butyl ether
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Styrene,T
m&p-Xylenes,T
Time-->


Abundance
TIC: 2M205969.D\data.ms
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Bromofluorobenzene,S
Cyclohexanone
4-Chlorotoluene
t-Butylbenzene
1,2,4-Trimethylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120047

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M206012.D	MBS120047	11/15/2024 6:20:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	7.0781	0	20	35	16	181
Dichlorodifluoromethane	1	18.2327	0	20	91	10	202
Chloromethane	1	15.9214	0	20	80	10	182
Bromomethane	1	13.784	0	20	69	10	172
Vinyl Chloride	1	22.856	0	20	114	26	176
Chloroethane	1	20.0173	0	20	100	28	165
Trichlorofluoromethane	1	21.3398	0	20	107	18	178
Ethyl ether	1	14.7878	0	20	74	38	155
Furan	1	13.1136	0	20	66	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	19.2704	0	20	96	32	178
Methylene Chloride	1	20.878	0	20	104	10	225
Acrolein	1	62.0534	0	100	62	10	183
Acrylonitrile	1	16.4789	0	20	82	40	164
Iodomethane	1	17.2602	0	20	86	10	191
Acetone	1	65.8338	0	100	66	10	237
Carbon Disulfide	1	18.4532	0	20	92	10	194
t-Butyl Alcohol	1	75.7054	0	100	76	21	185
n-Hexane	1	17.3199	0	20	87	43	179
Di-isopropyl-ether	1	16.414	0	20	82	47	159
1,1-Dichloroethene	1	15.7717	0	20	79	42	172
Methyl Acetate	1	16.8614	0	20	84	10	192
Methyl-t-butyl ether	1	19.249	0	20	96	43	154
1,1-Dichloroethane	1	19.1674	0	20	96	48	160
trans-1,2-Dichloroethene	1	21.8892	0	20	109	37	171
Ethyl-t-butyl ether	1	17.8565	0	20	89	53	149
cis-1,2-Dichloroethene	1	17.7755	0	20	89	45	161
Bromochloromethane	1	16.9352	0	20	85	42	170
2,2-Dichloropropane	1	13.2093	0	20	66	33	173
Ethyl acetate	1	21.1578	0	20	106	38	156
1,4-Dioxane	1	1027.37	0	1000	103	18	186
1,1-Dichloropropene	1	20.5439	0	20	103	51	157
Chloroform	1	20.7058	0	20	104	47	157
Cyclohexane	1	19.6942	0	20	98	41	175
1,2-Dichloroethane	1	17.8343	0	20	89	43	154
2-Butanone	1	14.0127	0	20	70	20	188
1,1,1-Trichloroethane	1	21.6262	0	20	108	49	155
Carbon Tetrachloride	1	22.3459	0	20	112	47	159
Vinyl Acetate	1	15.551	0	20	78	31	160
Bromodichloromethane	1	18.8675	0	20	94	48	152
Methylcyclohexane	1	21.0221	0	20	105	47	167
Dibromomethane	1	25.4025	0	20	127	47	153
1,2-Dichloropropane	1	18.5584	0	20	93	53	153
Trichloroethene	1	24.6965	0	20	123	45	165
Benzene	1	19.4787	0	20	97	41	163
tert-Amyl methyl ether	1	17.6646	0	20	88	51	146
Iso-propylacetate	1	13.6808	0	20	68	37	153
Methyl methacrylate	1	15.1555	0	20	76	40	160
Dibromochloromethane	1	20.8379	0	20	104	50	144
2-Chloroethylvinylether	1	25.7014	0	20	129	10	201
cis-1,3-Dichloropropene	1	16.4855	0	20	82	49	146
trans-1,3-Dichloropropene	1	15.3389	0	20	77	48	144
Ethyl methacrylate	1	14.5475	0	20	73	38	160
1,1,2-Trichloroethane	1	19.266	0	20	96	52	146
1,2-Dibromoethane	1	20.3886	0	20	102	55	140
1,3-Dichloropropane	1	18.1047	0	20	91	54	142
4-Methyl-2-Pentanone	1	14.9085	0	20	75	41	158
2-Hexanone	1	15.0057	0	20	75	39	163
Tetrachloroethene	1	24.4511	0	20	122	48	162
Toluene	1	19.5741	0	20	98	49	153
1,1,1,2-Tetrachloroethane	1	20.4645	0	20	102	51	140
Chlorobenzene	1	21.0112	0	20	105	43	155

* - 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: MBS120047

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	15.7369	0	20	79	21	181
n-Amyl acetate	1	14.9889	0	20	75	20	182
Bromoform	**1**	**20.1282**	**0**	**20**	**101**	**47**	**137**
Ethylbenzene	**1**	**19.4441**	**0**	**20**	**97**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**17.8727**	**0**	**20**	**89**	**36**	**152**
Styrene	**1**	**18.8441**	**0**	**20**	**94**	**34**	**170**
m&p-Xylenes	**1**	**39.663**	**0**	**40**	**99**	**16**	**184**
o-Xylene	**1**	**18.8487**	**0**	**20**	**94**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	13.9172	0	20	70	10	154
1,3-Dichlorobenzene	**1**	**20.5068**	**0**	**20**	**103**	**46**	**147**
1,4-Dichlorobenzene	**1**	**20.7366**	**0**	**20**	**104**	**37**	**156**
1,2-Dichlorobenzene	**1**	**20.3959**	**0**	**20**	**102**	**42**	**150**
Isopropylbenzene	**1**	**20.0373**	**0**	**20**	**100**	**32**	**174**
Cyclohexanone	1	63.4179	0	100	63	10	254
Camphene	1	20.7047	0	20	104	10	172
1,2,3-Trichloropropane	1	15.474	0	20	77	20	164
2-Chlorotoluene	1	18.3326	0	20	92	43	153
p-Ethyltoluene	1	19.2956	0	20	96	36	164
4-Chlorotoluene	1	17.6709	0	20	88	34	160
n-Propylbenzene	1	19.1533	0	20	96	30	176
Bromobenzene	1	17.7523	0	20	89	44	142
1,3,5-Trimethylbenzene	1	19.3212	0	20	97	37	165
Butyl methacrylate	1	14.9075	0	20	75	30	169
t-Butylbenzene	1	20.3	0	20	102	48	162
1,2,4-Trimethylbenzene	1	19.151	0	20	96	38	162
sec-Butylbenzene	1	19.6907	0	20	98	42	164
4-Isopropyltoluene	1	20.1582	0	20	101	40	162
n-Butylbenzene	1	18.2217	0	20	91	30	176
p-Diethylbenzene	1	20.0581	0	20	100	23	179
1,2,4,5-Tetramethylbenzene	1	19.5863	0	20	98	18	177
1,2-Dibromo-3-Chloropropane	**1**	**19.5599**	**0**	**20**	**98**	**32**	**154**
Camphor	1	179.4284	0	200	90	10	202
Hexachlorobutadiene	1	27.3862	0	20	137	23	181
1,2,4-Trichlorobenzene	**1**	**23.5585**	**0**	**20**	**118**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**24.2221**	**0**	**20**	**121**	**30**	**172**
Naphthalene	1	25.3194	0	20	127	13	191

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

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 2M206012.D
Acq On : 11/15/24 06:20

Operator : WP
Sam Mult : 1 Vial# : 38
Misc : A,5ML

Qt Meth : 2M_A1106.M
Qt On : 11/15/24 10:41
Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	214194	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	192658	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	111361	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	65407	28.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 95.23%			
39) 1,2-Dichloroethane-d4	4.904	67	26948	25.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 84.57%			
66) Toluene-d8	5.952	98	239118	28.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 93.93%			
76) Bromofluorobenzene	7.361	174	97289	33.80	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.67%			
Target Compounds						Qvalue
5) Chlorodifluoromethane	1.697	51	24007m	7.0781	ug/l	
6) Dichlorodifluoromethane	1.691	85	63340	18.2327	ug/l	98
7) Chloromethane	1.855	50	47406	15.9214	ug/l	100
8) Bromomethane	2.258	94	30761	13.7840	ug/l	96
9) Vinyl Chloride	1.959	62	67312	22.8560	ug/l	97
10) Chloroethane	2.349	64	40659	20.0173	ug/l	95
11) Trichlorofluoromethane	2.569	101	116704	21.3398	ug/l	95
12) Ethyl ether	2.800	59	33082	14.7878	ug/l	95
13) Furan	2.843	39	57642	13.1136	ug/l	93
14) 1,1,2-Trichloro-1,2,2-...	3.002	101	45298	19.2704	ug/l	95
15) Methylene Chloride	3.410	84	47194	20.8780	ug/l	97
16) Acrolein	2.916	56	24086	62.0534	ug/l	100
17) Acrylonitrile	3.611	53	10618	16.4789	ug/l	91
18) Iodomethane	3.148	142	68268	17.2602	ug/l	100
19) Acetone	3.044	43	45864	65.8338	ug/l	97
20) Carbon Disulfide	3.215	76	139309	18.4532	ug/l	100
21) t-Butyl Alcohol	3.483	59	13099	75.7054	ug/l	99
22) n-Hexane	3.867	57	26017	17.3199	ug/l	97
23) Di-isopropyl-ether	4.026	45	105078	16.4140	ug/l	94
24) 1,1-Dichloroethene	3.008	61	72745	15.7717	ug/l	95
25) Methyl Acetate	3.312	43	19422	16.8614	ug/l	100
26) Methyl-t-butyl ether	3.636	73	108031	19.2490	ug/l	99
27) 1,1-Dichloroethane	3.995	63	79329	19.1674	ug/l	97
28) trans-1,2-Dichloroethene	3.648	96	52458	21.8892	ug/l	94
29) Ethyl-t-butyl ether	4.288	59	121106	17.8565	ug/l	98
30) cis-1,2-Dichloroethene	4.404	61	74623	17.7755	ug/l	91
31) Bromochloromethane	4.562	49	34372	16.9352	ug/l	80
32) 2,2-Dichloropropane	4.410	77	50038	13.2093	ug/l	97
33) Ethyl acetate	4.434	43	43056m	21.1578	ug/l	
34) 1,4-Dioxane	5.489	88	23797	1027.3695	ug/l	93
35) 1,1-Dichloropropene	4.818	75	70161	20.5439	ug/l	99
36) Chloroform	4.599	83	95648	20.7058	ug/l	99
38) Cyclohexane	4.763	56	47778	19.6942	ug/l	95
40) 1,2-Dichloroethane	4.946	62	67614	17.8343	ug/l	100
41) 2-Butanone	4.410	43	12243m	14.0127	ug/l	
42) 1,1,1-Trichloroethane	4.727	97	89831	21.6262	ug/l	99
43) Carbon Tetrachloride	4.831	117	82471	22.3459	ug/l	98
44) Vinyl Acetate	4.020	43	111751	15.5510	ug/l	100
45) Bromodichloromethane	5.562	83	67323	18.8675	ug/l	100
46) Methylcyclohexane	5.410	83	47051	21.0221	ug/l	96
47) Dibromomethane	5.495	174	45867	25.4025	ug/l	99
48) 1,2-Dichloropropane	5.422	63	44471	18.5584	ug/l	99
49) Trichloroethene	5.300	130	68238	24.6965	ug/l	95
50) Benzene	4.946	78	188511	19.4787	ug/l	100
51) tert-Amyl methyl ether	4.989	73	113186	17.6646	ug/l	96
53) Iso-propylacetate	4.946	43	56337	13.6808	ug/l	93
54) Methyl methacrylate	5.452	41	31072	15.1555	ug/l	93
55) Dibromochloromethane	6.416	129	59703	20.8379	ug/l	97
56) 2-Chloroethylvinylether	5.702	63	6615	25.7014	ug/l	94
57) cis-1,3-Dichloropropene	5.800	75	67665	16.4855	ug/l	99
58) trans-1,3-Dichloropropene	6.086	75	57536	15.3389	ug/l	99
59) Ethyl methacrylate	6.105	41	33517	14.5475	ug/l	97
60) 1,1,2-Trichloroethane	6.190	97	44808	19.2660	ug/l	95
61) 1,2-Dibromoethane	6.495	107	48585	20.3886	ug/l	98
62) 1,3-Dichloropropane	6.288	76	71983	18.1047	ug/l	99
63) 4-Methyl-2-Pentanone	5.867	43	30751	14.9085	ug/l	98
64) 2-Hexanone	6.300	43	21881	15.0057	ug/l	96
65) Tetrachloroethene	6.288	164	53841	24.4511	ug/l	96
67) Toluene	5.989	92	131804	19.5741	ug/l	99

Quantitation Report (QT Reviewed)

SampleID : MBS
Data File: 2M206012.D
Acq On : 11/15/24 06:20

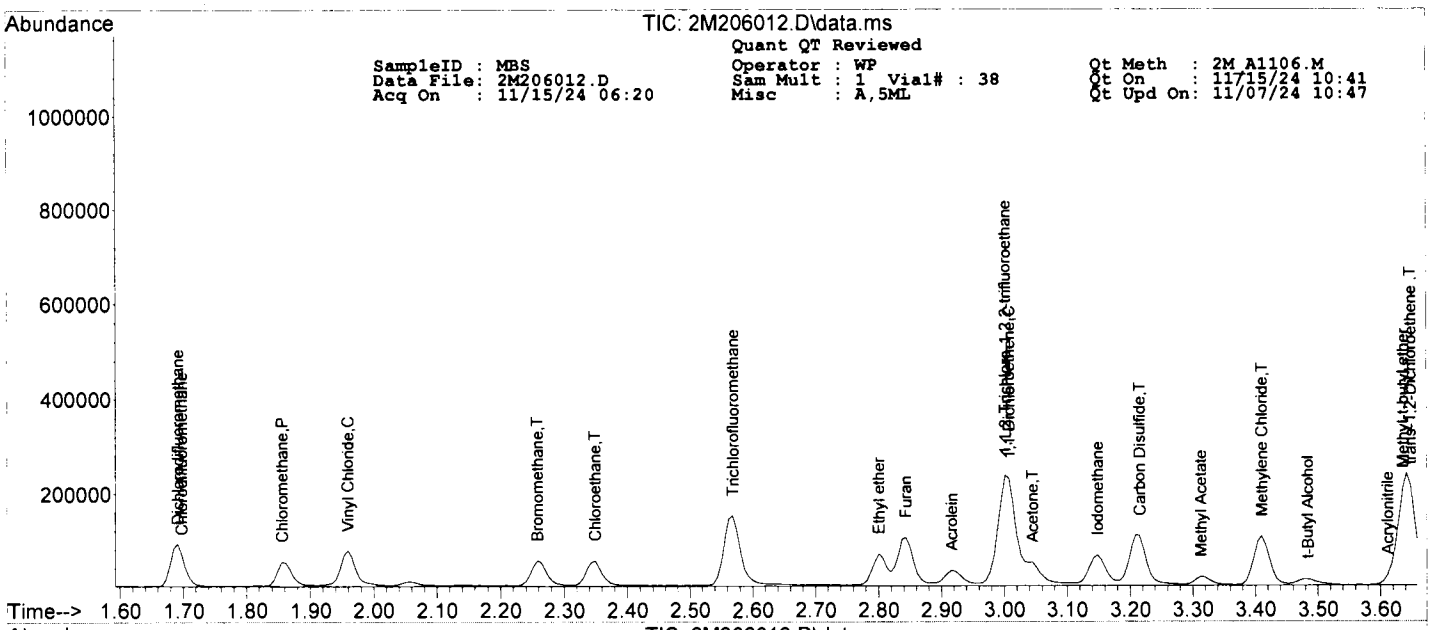
Operator : WP
Sam Mult : 1 Vial# : 38
Misc : A,5ML

Qt Meth : 2M_A1106.M
Qt On : 11/15/24 10:41
Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\1115-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68)	1,1,1,2-Tetrachloroethane	6.781	133	55033	20.4645	ug/l	98
69)	Chlorobenzene	6.745	112	153256	21.0112	ug/l	100
71)	n-Butyl acrylate	6.989	55	76997	15.7369	ug/l	98
72)	n-Amyl acetate	7.111	43	61662	14.9889	ug/l	98
73)	Bromoform	7.196	173	39084	20.1282	ug/l	97
74)	Ethylbenzene	6.787	106	63816	19.4441	ug/l	95
75)	1,1,2,2-Tetrachloroethane	7.415	83	52223	17.8727	ug/l	98
77)	Styrene	7.068	104	155001	18.8441	ug/l	94
78)	m&p-Xylenes	6.842	106	187581	39.6630	ug/l	95
79)	o-Xylene	7.068	106	90424	18.8487	ug/l	98
80)	trans-1,4-Dichloro-2-b...	7.440	53	14120	13.9172	ug/l	77
81)	1,3-Dichlorobenzene	7.982	146	111519	20.5068	ug/l	98
82)	1,4-Dichlorobenzene	8.031	146	116846	20.7366	ug/l	98
83)	1,2-Dichlorobenzene	8.251	146	104760	20.3959	ug/l	98
84)	Isopropylbenzene	7.257	105	199230	20.0373	ug/l	99
85)	Cyclohexanone	7.336	55	14016	63.4179	ug/l	96
86)	Camphene	7.428	93	43400	20.7047	ug/l	94
87)	1,2,3-Trichloropropane	7.452	75	54473	15.4740	ug/l	90
88)	2-Chlorotoluene	7.556	91	122577	18.3326	ug/l	98
89)	p-Ethyltoluene	7.543	105	215357	19.2956	ug/l	93
90)	4-Chlorotoluene	7.617	91	118699	17.6709	ug/l	96
91)	n-Propylbenzene	7.489	91	228695	19.1533	ug/l	98
92)	Bromobenzene	7.464	77	116149	17.7523	ug/l	85
93)	1,3,5-Trimethylbenzene	7.574	105	151610	19.3212	ug/l	91
94)	Butyl methacrylate	7.580	41	57206	14.9075	ug/l	98
95)	t-Butylbenzene	7.769	119	166109	20.3000	ug/l	96
96)	1,2,4-Trimethylbenzene	7.793	105	171942	19.1510	ug/l	98
97)	sec-Butylbenzene	7.891	105	189848	19.6907	ug/l	97
98)	4-Isopropyltoluene	7.964	119	169744	20.1582	ug/l	99
99)	n-Butylbenzene	8.202	91	156340	18.2217	ug/l	98
100)	p-Diethylbenzene	8.184	119	95630	20.0581	ug/l	97
101)	1,2,4,5-Tetramethylben...	8.641	119	128667	19.5863	ug/l	97
102)	1,2-Dibromo-3-Chloropr...	8.702	157	10194	19.5599	ug/l	99
103)	Camphor	9.141	95	32095	179.4284	ug/l	97
104)	Hexachlorobutadiene	9.281	225	28835	27.3862	ug/l	94
105)	1,2,4-Trichlorobenzene	9.196	180	52639	23.5585	ug/l	98
106)	1,2,3-Trichlorobenzene	9.500	180	38523	24.2221	ug/l	97
107)	Naphthalene	9.354	128	117142	25.3194	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed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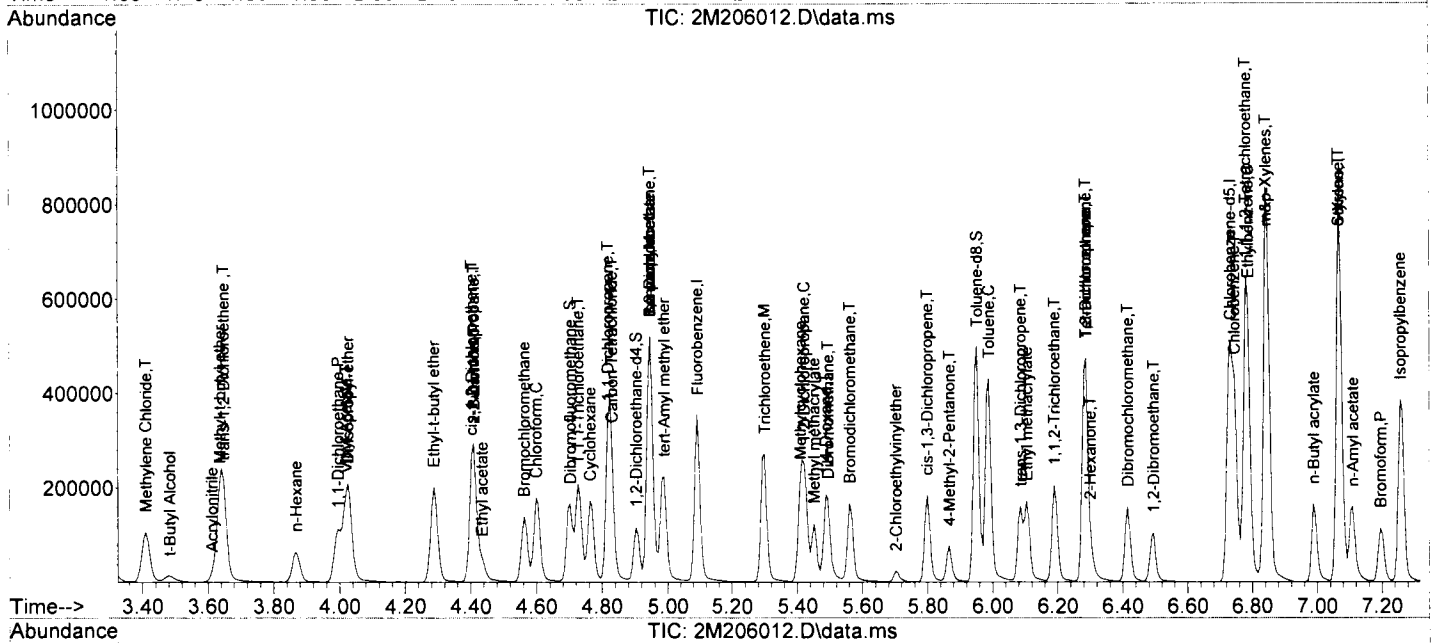
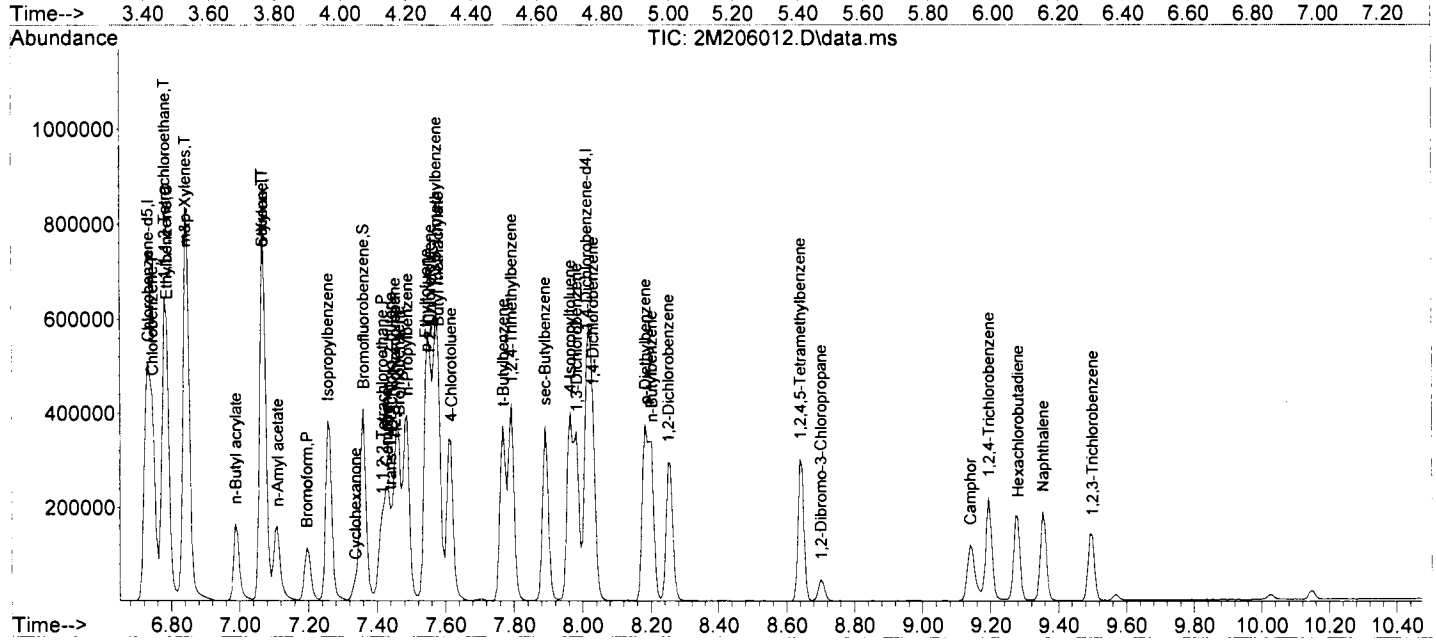
SampleID : MBS
Data File: 2M206012.D
Acq On : 11/15/24 06:20
Quant QT Reviewed
Operator : WP
Sam Mult : 1 Vial# : 38
Misc : A,5ML
Qt Meth : 2M_A1106.M
Qt On : 11/15/24 10:41
Qt Upd On: 11/07/24 10:47
Chloromethane,P
Vinyl Chloride,C
Bromomethane,T
Chloroethane,T
Trichlorofluoromethane
Ethyl ether
Furan
Acrolein
Acetone,T
Iodomethane
Carbon Disulfide,T
Methyl Acetate
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
Time-->


Abundance
TIC: 2M206012.D\data.ms
Methylene Chloride,T
t-Butyl Alcohol
Acrylonitrile
n-Hexane
Ethyl-t-butyl ether
Ethyl acetate
Bromochloromethane
Chloroform,C
Cyclohexane
1,2-Dichloroethane-d4,S
tert-Amyl methyl ether
Fluorobenzene,I
Trichloroethene,M
Bromodichloromethane,T
2-Chloroethylvinylether
cis-1,3-Dichloropropene,T
4-Methyl-2-Pentanone,T
Toluene-d8,S
Toluene,C
1,1,2-Trichloroethane,T
2-Hexanone,T
Dibromochloromethane,T
1,2-Dibromoethane,T
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Time-->


Abundance
TIC: 2M206012.D\data.ms
n-Butyl acrylate
n-Amyl acetate
Bromoform,P
Isopropylbenzene
Cyclohexanone
Bromofluorobenzene,S
4-Chlorotoluene
t-Butylbenzene
sec-Butylbenzene
1,4-Dichlorobenzene-d4,I
n-Butylbenzene
1,2-Dichlorobenzene
1,2,4,5-Tetramethylbenzene
1,2-Dibromo-3-Chloropropane
Camphor
1,2,4-Trichlorobenzene
Hexachlorobutadiene
Naphthalene
1,2,3-Trichlorobenzene
Time-->

Form3
Recovery Data Laboratory Limits
QC Batch: MBS120045

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M205980.D	AD47849-001(50X)(T:MS)	11/14/2024 8:06:00 PM
Non Spike(If applicable):	2M205971.D	AD47849-001(50X)(T)	11/14/2024 5:10:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	16	181
Dichlorodifluoromethane	1	0	0	20	0*	10	202
Chloromethane	1	0	0	20	0*	10	182
Bromomethane	1	0	0	20	0*	10	172
Vinyl Chloride	1	0	0	20	0*	26	176
Chloroethane	1	0	0	20	0*	28	165
Trichlorofluoromethane	1	0	0	20	0*	18	178
Ethyl ether	1	0	0	20	0*	38	155
Furan	1	0	0	20	0*	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	20	0*	32	178
Methylene Chloride	1	0	0	20	0*	10	225
Acrolein	1	0	0	100	0*	10	183
Acrylonitrile	1	0	0	20	0*	40	164
Iodomethane	1	0	0	20	0*	10	191
Acetone	1	0	0	100	0*	10	237
Carbon Disulfide	1	0	0	20	0*	10	194
t-Butyl Alcohol	1	0	0	100	0*	21	185
n-Hexane	1	0	0	20	0*	43	179
Di-isopropyl-ether	1	0	0	20	0*	47	159
1,1-Dichloroethene	1	0	0	20	0*	42	172
Methyl Acetate	1	0	0	20	0*	10	192
Methyl-t-butyl ether	**1**	**0**	**0**	**20**	**0***	**43**	**154**
1,1-Dichloroethane	1	0	0	20	0*	48	160
trans-1,2-Dichloroethene	1	0	0	20	0*	37	171
Ethyl-t-butyl ether	1	0	0	20	0*	53	149
cis-1,2-Dichloroethene	1	0	0	20	0*	45	161
Bromochloromethane	1	0	0	20	0*	42	170
2,2-Dichloropropane	1	0	0	20	0*	33	173
Ethyl acetate	1	0	0	20	0*	38	156
1,4-Dioxane	1	0	0	1000	0*	18	186
1,1-Dichloropropene	1	0	0	20	0*	51	157
Chloroform	1	0	0	20	0*	47	157
Cyclohexane	1	0	0	20	0*	41	175
1,2-Dichloroethane	1	0	0	20	0*	43	154
2-Butanone	1	0	0	20	0*	20	188
1,1,1-Trichloroethane	1	0	0	20	0*	49	155
Carbon Tetrachloride	1	0	0	20	0*	47	159
Vinyl Acetate	1	0	0	20	0*	31	160
Bromodichloromethane	1	0	0	20	0*	48	152
Methylcyclohexane	1	0	0	20	0*	47	167
Dibromomethane	1	0	0	20	0*	47	153
1,2-Dichloropropane	1	0	0	20	0*	53	153
Trichloroethene	1	0	0	20	0*	45	165
Benzene	**1**	**0**	**0**	**20**	**0***	**41**	**163**
tert-Amyl methyl ether	1	0	0	20	0*	51	146
Iso-propylacetate	1	0	0	20	0*	37	153
Methyl methacrylate	1	0	0	20	0*	40	160
Dibromochloromethane	1	0	0	20	0*	50	144
2-Chloroethylvinylether	1	0	0	20	0*	10	201
cis-1,3-Dichloropropene	1	0	0	20	0*	49	146
trans-1,3-Dichloropropene	1	0	0	20	0*	48	144
Ethyl methacrylate	1	0	0	20	0*	38	160
1,1,2-Trichloroethane	1	0	0	20	0*	52	146
1,2-Dibromoethane	1	0	0	20	0*	55	140
1,3-Dichloropropane	1	0	0	20	0*	54	142
4-Methyl-2-Pentanone	1	0	0	20	0*	41	158
2-Hexanone	1	0	0	20	0*	39	163
Tetrachloroethene	1	0	0	20	0*	48	156
Toluene	**1**	**0**	**0**	**20**	**0***	**49**	**153**
1,1,1,2-Tetrachloroethane	1	0	0	20	0*	51	140
Chlorobenzene	1	0	0	20	0*	43	155

* - 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: MBS120045

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	0	0	20	0*	21	181
n-Amyl acetate	1	0	0	20	0*	20	182
Bromoform	1	0	0	20	0*	47	137
Ethylbenzene	**1**	**0**	**0**	**20**	**0***	**41**	**153**
1,1,2,2-Tetrachloroethane	1	0	0	20	0*	36	152
Styrene	1	0	0	20	0*	34	170
m&p-Xylenes	**1**	**0**	**0**	**40**	**0***	**16**	**184**
o-Xylene	**1**	**0**	**0**	**20**	**0***	**31**	**166**
trans-1,4-Dichloro-2-butene	1	0	0	20	0*	10	154
1,3-Dichlorobenzene	1	0	0	20	0*	46	147
1,4-Dichlorobenzene	1	0	0	20	0*	37	156
1,2-Dichlorobenzene	1	0	0	20	0*	42	150
Isopropylbenzene	**1**	**0**	**0**	**20**	**0***	**32**	**174**
Cyclohexanone	1	0	0	100	0*	10	254
Camphene	1	0	0	20	0*	10	172
1,2,3-Trichloropropane	1	0	0	20	0*	20	164
2-Chlorotoluene	1	0	0	20	0*	43	153
p-Ethyltoluene	1	0	0	20	0*	36	164
4-Chlorotoluene	1	0	0	20	0*	34	160
n-Propylbenzene	**1**	**0**	**0**	**20**	**0***	**36**	**170**
Bromobenzene	1	0	0	20	0*	44	142
1,3,5-Trimethylbenzene	**1**	**0**	**0**	**20**	**0***	**37**	**165**
Butyl methacrylate	1	0	0	20	0*	30	169
t-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**48**	**152**
1,2,4-Trimethylbenzene	**1**	**0**	**0**	**20**	**0***	**38**	**162**
sec-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**42**	**164**
4-Isopropyltoluene	**1**	**0**	**0**	**20**	**0***	**40**	**162**
n-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**30**	**176**
p-Diethylbenzene	1	0	0	20	0*	23	179
1,2,4,5-Tetramethylbenzene	1	0	0	20	0*	18	177
1,2-Dibromo-3-Chloropropane	1	0	0	20	0*	32	154
Camphor	1	0	0	200	0*	10	202
Hexachlorobutadiene	1	0	0	20	0*	23	181
1,2,4-Trichlorobenzene	1	0	0	20	0*	28	169
1,2,3-Trichlorobenzene	1	0	0	20	0*	30	172
Naphthalene	1	0	0	20	0*	13	191

* - 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: MBS120045

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M205981.D	AD47849-001(50X)(T:MSD)	11/14/2024 8:25:00 PM
Non Spike(If applicable):	2M205971.D	AD47849-001(50X)(T)	11/14/2024 5:10:00 PM
Inst Blank(If applicable):			

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	0	0	20	0*	16	181
Dichlorodifluoromethane	1	0	0	20	0*	10	202
Chloromethane	1	0	0	20	0*	10	182
Bromomethane	1	0	0	20	0*	10	172
Vinyl Chloride	1	0	0	20	0*	26	176
Chloroethane	1	0	0	20	0*	28	165
Trichlorofluoromethane	1	0	0	20	0*	18	178
Ethyl ether	1	0	0	20	0*	38	155
Furan	1	0	0	20	0*	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	20	0*	32	178
Methylene Chloride	1	0	0	20	0*	10	225
Acrolein	1	0	0	100	0*	10	183
Acrylonitrile	1	0	0	20	0*	40	164
Iodomethane	1	0	0	20	0*	10	191
Acetone	1	0	0	100	0*	10	237
Carbon Disulfide	1	0	0	20	0*	10	194
t-Butyl Alcohol	1	0	0	100	0*	21	185
n-Hexane	1	0	0	20	0*	43	179
Di-isopropyl-ether	1	0	0	20	0*	47	159
1,1-Dichloroethene	1	0	0	20	0*	42	172
Methyl Acetate	1	0	0	20	0*	10	192
Methyl-t-butyl ether	**1**	**0**	**0**	**20**	**0***	**43**	**154**
1,1-Dichloroethane	1	0	0	20	0*	48	160
trans-1,2-Dichloroethene	1	0	0	20	0*	37	171
Ethyl-t-butyl ether	1	0	0	20	0*	53	149
cis-1,2-Dichloroethene	1	0	0	20	0*	45	161
Bromochloromethane	1	0	0	20	0*	42	170
2,2-Dichloropropane	1	0	0	20	0*	33	173
Ethyl acetate	1	0	0	20	0*	38	156
1,4-Dioxane	1	0	0	1000	0*	18	186
1,1-Dichloropropene	1	0	0	20	0*	51	157
Chloroform	1	0	0	20	0*	47	157
Cyclohexane	1	0	0	20	0*	41	175
1,2-Dichloroethane	1	0	0	20	0*	43	154
2-Butanone	1	0	0	20	0*	20	188
1,1,1-Trichloroethane	1	0	0	20	0*	49	155
Carbon Tetrachloride	1	0	0	20	0*	47	159
Vinyl Acetate	1	0	0	20	0*	31	160
Bromodichloromethane	1	0	0	20	0*	48	152
Methylcyclohexane	1	0	0	20	0*	47	167
Dibromomethane	1	0	0	20	0*	47	153
1,2-Dichloropropane	1	0	0	20	0*	53	153
Trichloroethene	1	0	0	20	0*	45	165
Benzene	**1**	**0**	**0**	**20**	**0***	**41**	**163**
tert-Amyl methyl ether	1	0	0	20	0*	51	146
Iso-propylacetate	1	0	0	20	0*	37	153
Methyl methacrylate	1	0	0	20	0*	40	160
Dibromochloromethane	1	0	0	20	0*	50	144
2-Chloroethylvinylether	1	0	0	20	0*	10	201
cis-1,3-Dichloropropene	1	0	0	20	0*	49	146
trans-1,3-Dichloropropene	1	0	0	20	0*	48	144
Ethyl methacrylate	1	0	0	20	0*	38	160
1,1,2-Trichloroethane	1	0	0	20	0*	52	146
1,2-Dibromoethane	1	0	0	20	0*	55	140
1,3-Dichloropropane	1	0	0	20	0*	54	142
4-Methyl-2-Pentanone	1	0	0	20	0*	41	158
2-Hexanone	1	0	0	20	0*	39	163
Tetrachloroethene	1	0	0	20	0*	48	156
Toluene	**1**	**0**	**0**	**20**	**0***	**49**	**153**
1,1,1,2-Tetrachloroethane	1	0	0	20	0*	51	140
Chlorobenzene	1	0	0	20	0*	43	155

* - 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: MBS120045

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Butyl acrylate	1	0	0	20	0*	21	181
n-Amyl acetate	1	0	0	20	0*	20	182
Bromoform	1	0	0	20	0*	47	137
Ethylbenzene	**1**	**0**	**0**	**20**	**0***	**41**	**153**
1,1,2,2-Tetrachloroethane	1	0	0	20	0*	36	152
Styrene	1	0	0	20	0*	34	170
m&p-Xylenes	**1**	**0**	**0**	**40**	**0***	**16**	**184**
o-Xylene	**1**	**0**	**0**	**20**	**0***	**31**	**166**
trans-1,4-Dichloro-2-butene	1	0	0	20	0*	10	154
1,3-Dichlorobenzene	1	0	0	20	0*	46	147
1,4-Dichlorobenzene	1	0	0	20	0*	37	156
1,2-Dichlorobenzene	1	0	0	20	0*	42	150
Isopropylbenzene	**1**	**0**	**0**	**20**	**0***	**32**	**174**
Cyclohexanone	1	0	0	100	0*	10	254
Camphene	1	0	0	20	0*	10	172
1,2,3-Trichloropropane	1	0	0	20	0*	20	164
2-Chlorotoluene	1	0	0	20	0*	43	153
p-Ethyltoluene	1	0	0	20	0*	36	164
4-Chlorotoluene	1	0	0	20	0*	34	160
n-Propylbenzene	**1**	**0**	**0**	**20**	**0***	**36**	**170**
Bromobenzene	1	0	0	20	0*	44	142
1,3,5-Trimethylbenzene	**1**	**0**	**0**	**20**	**0***	**37**	**165**
Butyl methacrylate	1	0	0	20	0*	30	169
t-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**48**	**152**
1,2,4-Trimethylbenzene	**1**	**0**	**0**	**20**	**0***	**38**	**162**
sec-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**42**	**164**
4-Isopropyltoluene	**1**	**0**	**0**	**20**	**0***	**40**	**162**
n-Butylbenzene	**1**	**0**	**0**	**20**	**0***	**30**	**176**
p-Diethylbenzene	1	0	0	20	0*	23	179
1,2,4,5-Tetramethylbenzene	1	0	0	20	0*	18	177
1,2-Dibromo-3-Chloropropane	1	0	0	20	0*	32	154
Camphor	1	0	0	200	0*	10	202
Hexachlorobutadiene	1	0	0	20	0*	23	181
1,2,4-Trichlorobenzene	1	0	0	20	0*	28	169
1,2,3-Trichlorobenzene	1	0	0	20	0*	30	172
Naphthalene	1	0	0	20	0*	13	191

* - 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: MBS120045

	Data File	Sample ID:	Analysis Date
Spike or Dup:	2M205981.D	AD47849-001(50X)(T:MSD)	11/14/2024 8:25:00 PM
Duplicate(If applicable):	2M205980.D	AD47849-001(50X)(T:MS)	11/14/2024 8:06:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	0	0	NA	78
Dichlorodifluoromethane	1	0	0	NA	62
Chloromethane	1	0	0	NA	67
Bromomethane	1	0	0	NA	65
Vinyl Chloride	1	0	0	NA	55
Chloroethane	1	0	0	NA	59
Trichlorofluoromethane	1	0	0	NA	56
Ethyl ether	1	0	0	NA	55
Furan	1	0	0	NA	55
1,1,2-Trichloro-1,2,2-trifluoroethane	1	0	0	NA	58
Methylene Chloride	1	0	0	NA	36
Acrolein	1	0	0	NA	66
Acrylonitrile	1	0	0	NA	59
Iodomethane	1	0	0	NA	66
Acetone	1	0	0	NA	85
Carbon Disulfide	1	0	0	NA	61
t-Butyl Alcohol	1	0	0	NA	78
n-Hexane	1	0	0	NA	56
Di-isopropyl-ether	1	0	0	NA	54
1,1-Dichloroethene	1	0	0	NA	56
Methyl Acetate	1	0	0	NA	71
Methyl-t-butyl ether	**1**	**0**	**0**	**NA**	**53**
1,1-Dichloroethane	1	0	0	NA	54
trans-1,2-Dichloroethene	1	0	0	NA	54
Ethyl-t-butyl ether	1	0	0	NA	53
cis-1,2-Dichloroethene	1	0	0	NA	53
Bromochloromethane	1	0	0	NA	54
2,2-Dichloropropane	1	0	0	NA	55
Ethyl acetate	1	0	0	NA	56
1,4-Dioxane	1	0	0	NA	95
1,1-Dichloropropene	1	0	0	NA	54
Chloroform	1	0	0	NA	53
Cyclohexane	1	0	0	NA	55
1,2-Dichloroethane	1	0	0	NA	52
2-Butanone	1	0	0	NA	58
1,1,1-Trichloroethane	1	0	0	NA	54
Carbon Tetrachloride	1	0	0	NA	54
Vinyl Acetate	1	0	0	NA	55
Bromodichloromethane	1	0	0	NA	53
Methylcyclohexane	1	0	0	NA	55
Dibromomethane	1	0	0	NA	53
1,2-Dichloropropane	1	0	0	NA	53
Trichloroethene	1	0	0	NA	54
Benzene	**1**	**0**	**0**	**NA**	**52**
tert-Amyl methyl ether	1	0	0	NA	52
Iso-propylacetate	1	0	0	NA	54
Methyl methacrylate	1	0	0	NA	55
Dibromochloromethane	1	0	0	NA	52
2-Chloroethylvinylether	1	0	0	NA	224
cis-1,3-Dichloropropene	1	0	0	NA	53
trans-1,3-Dichloropropene	1	0	0	NA	53
Ethyl methacrylate	1	0	0	NA	55
1,1,2-Trichloroethane	1	0	0	NA	52
1,2-Dibromoethane	1	0	0	NA	52
1,3-Dichloropropane	1	0	0	NA	53
4-Methyl-2-Pentanone	1	0	0	NA	69
2-Hexanone	1	0	0	NA	54
Tetrachloroethene	1	0	0	NA	53
Toluene	**1**	**0**	**0**	**NA**	**53**
1,1,1,2-Tetrachloroethane	1	0	0	NA	53
Chlorobenzene	1	0	0	NA	53

* - 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: MBS120045

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Butyl acrylate	1	0	0	NA	72
n-Amyl acetate	1	0	0	NA	72
Bromoform	1	0	0	NA	54
Ethylbenzene	**1**	**0**	**0**	**NA**	**57**
1,1,2,2-Tetrachloroethane	1	0	0	NA	58
Styrene	1	0	0	NA	56
m&p-Xylenes	**1**	**0**	**0**	**NA**	**107**
o-Xylene	**1**	**0**	**0**	**NA**	**55**
trans-1,4-Dichloro-2-butene	1	0	0	NA	71
1,3-Dichlorobenzene	1	0	0	NA	53
1,4-Dichlorobenzene	1	0	0	NA	68
1,2-Dichlorobenzene	1	0	0	NA	53
Isopropylbenzene	**1**	**0**	**0**	**NA**	**53**
Cyclohexanone	1	0	0	NA	77
Camphene	1	0	0	NA	68
1,2,3-Trichloropropane	1	0	0	NA	54
2-Chlorotoluene	1	0	0	NA	55
p-Ethyltoluene	1	0	0	NA	56
4-Chlorotoluene	1	0	0	NA	55
n-Propylbenzene	**1**	**0**	**0**	**NA**	**51**
Bromobenzene	1	0	0	NA	72
1,3,5-Trimethylbenzene	**1**	**0**	**0**	**NA**	**56**
Butyl methacrylate	1	0	0	NA	83
t-Butylbenzene	**1**	**0**	**0**	**NA**	**70**
1,2,4-Trimethylbenzene	**1**	**0**	**0**	**NA**	**72**
sec-Butylbenzene	**1**	**0**	**0**	**NA**	**54**
4-Isopropyltoluene	**1**	**0**	**0**	**NA**	**69**
n-Butylbenzene	**1**	**0**	**0**	**NA**	**55**
p-Diethylbenzene	1	0	0	NA	70
1,2,4,5-Tetramethylbenzene	1	0	0	NA	51
1,2-Dibromo-3-Chloropropane	1	0	0	NA	56
Camphor	1	0	0	NA	127
Hexachlorobutadiene	1	0	0	NA	69
1,2,4-Trichlorobenzene	1	0	0	NA	87
1,2,3-Trichlorobenzene	1	0	0	NA	81
Naphthalene	1	0	0	NA	80

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

Bold and underline - Indicates the compounds reported on form1

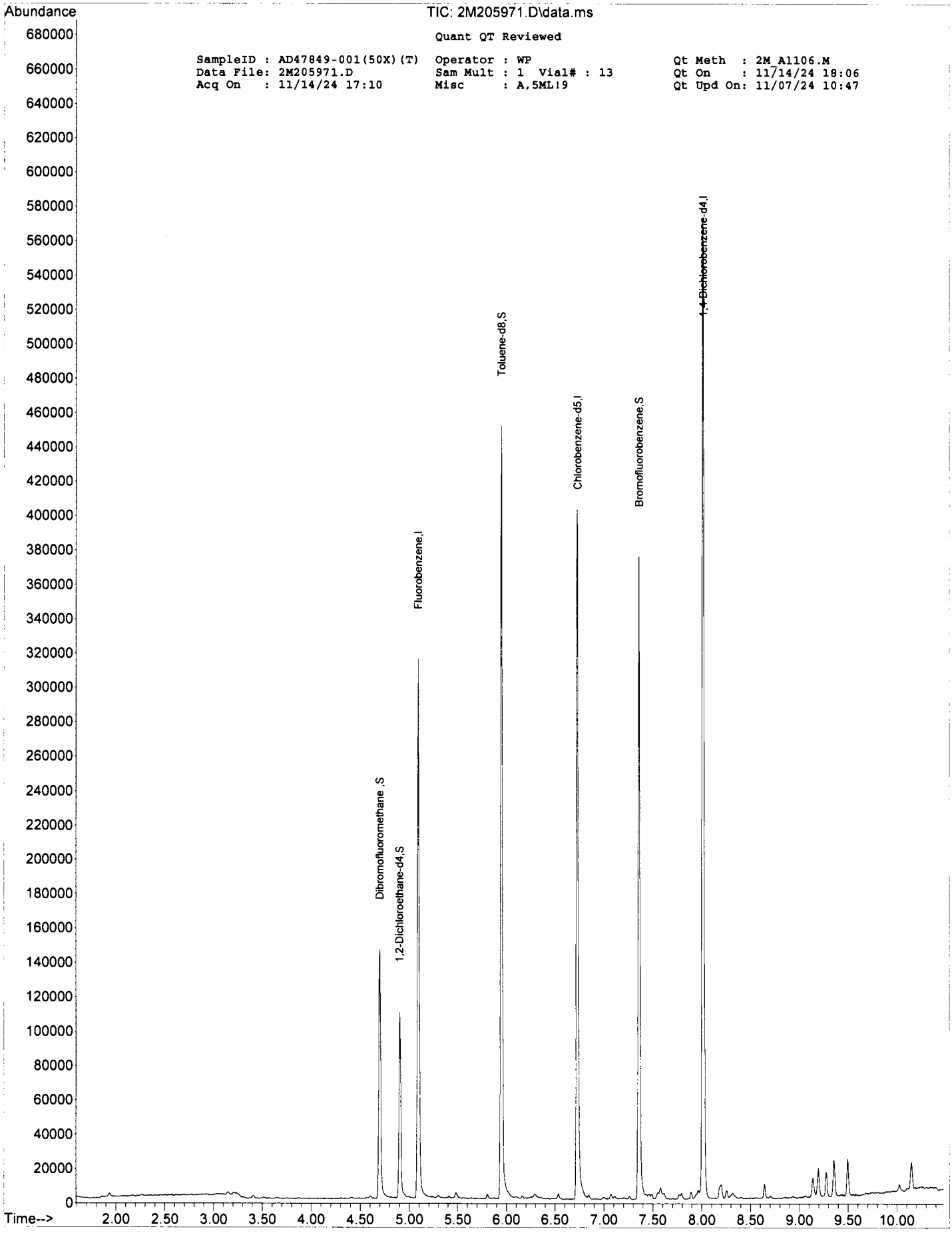
Quantitation Report (QT Reviewed)

SampleID : AD47849-001(50X)(T) Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205971.D Sam Mult : 1 Vial# : 13 Qt On : 11/14/24 18:06
Acq On : 11/14/24 17:10 Misc : A,5ML!9 Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	192973	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	189770	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.019	152	136724	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.703	111	58782	28.49	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.97%			
39) 1,2-Dichloroethane-d4	4.904	67	25776	26.94	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.80%			
66) Toluene-d8	5.952	98	220342	26.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 87.90%			
76) Bromofluorobenzene	7.361	174	90751	25.68	ug/l	0.00
Spiked Amount 30.000			Recovery = 85.60%			
Target Compounds						Qvalue

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


Abundance
TIC: 2M205971.D\data.ms
Quant QT Reviewed
SampleID : AD47849-001(50X)(T)
Data File: 2M205971.D
Acq On : 11/14/24 17:10
Operator : WP
Sam Mult : 1 Vial# : 13
Misc : A,5ML!9
Qt Meth : 2M_A1106.M
Qt On : 11/14/24 18:06
Qt Upd On: 11/07/24 10:47
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

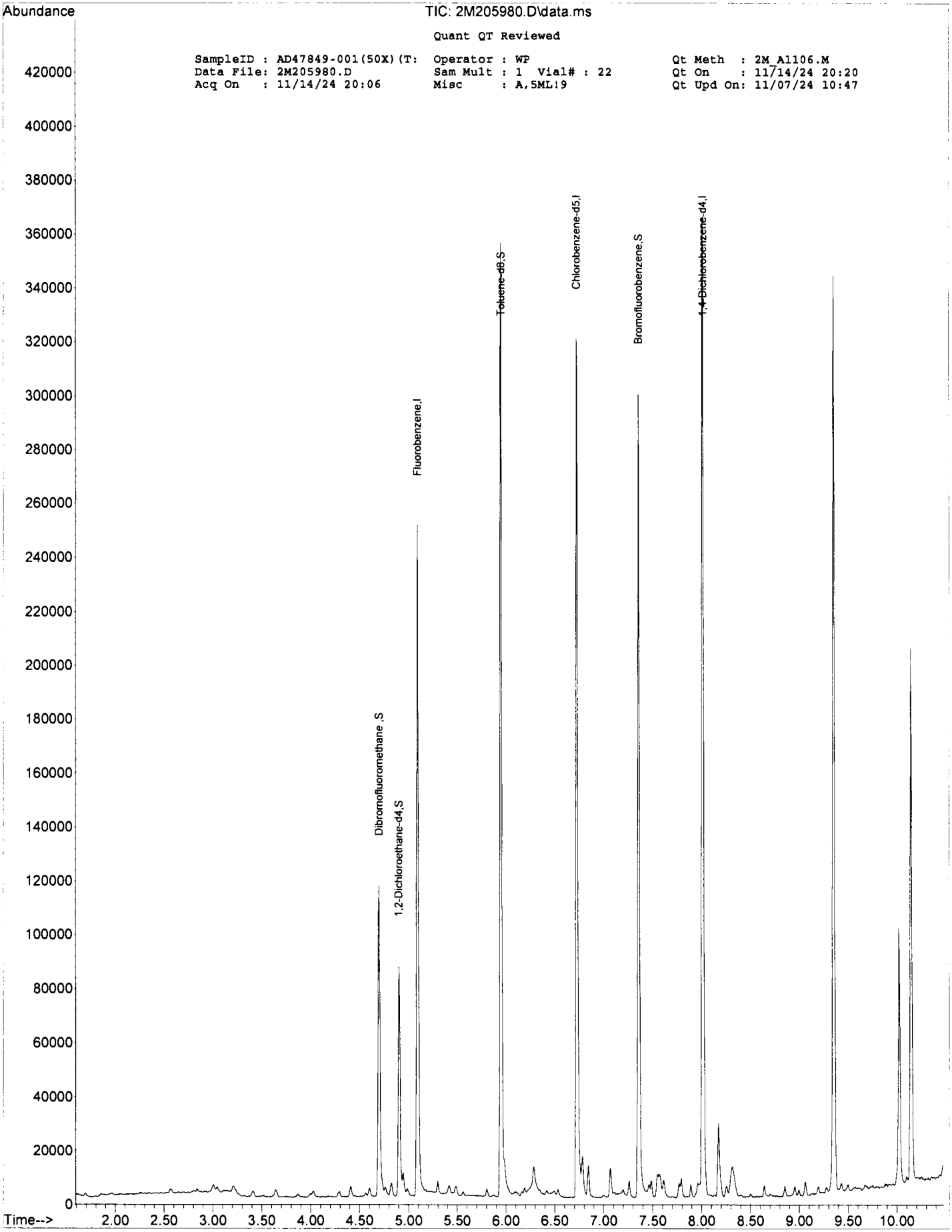
Quantitation Report (QT Reviewed)

SampleID : AD47849-001(50X)(T: Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205980.D Sam Mult : 1 Vial# : 22 Qt On : 11/14/24 20:20
Acq On : 11/14/24 20:06 Misc : A,5ML!9 Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	154787	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.726	117	148934	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.019	152	85329	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.702	111	46902	28.34	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.47%			
39) 1,2-Dichloroethane-d4	4.904	67	20469	26.67	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.90%			
66) Toluene-d8	5.952	98	174198	26.56	ug/l	0.00
Spiked Amount 30.000			Recovery = 88.53%			
76) Bromofluorobenzene	7.361	174	71464	32.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.00%			
Target Compounds						Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed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Quant QT Reviewed
SampleID : AD47849-001(50X)(T:
Data File: 2M205980.D
Acq On : 11/14/24 20:06
Operator : WP
Sam Mult : 1 Vial# : 22
Misc : A,5ML:9
Qt Meth : 2M_A1106.M
Qt On : 11/14/24 20:20
Qt Upd On: 11/07/24 10:47
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

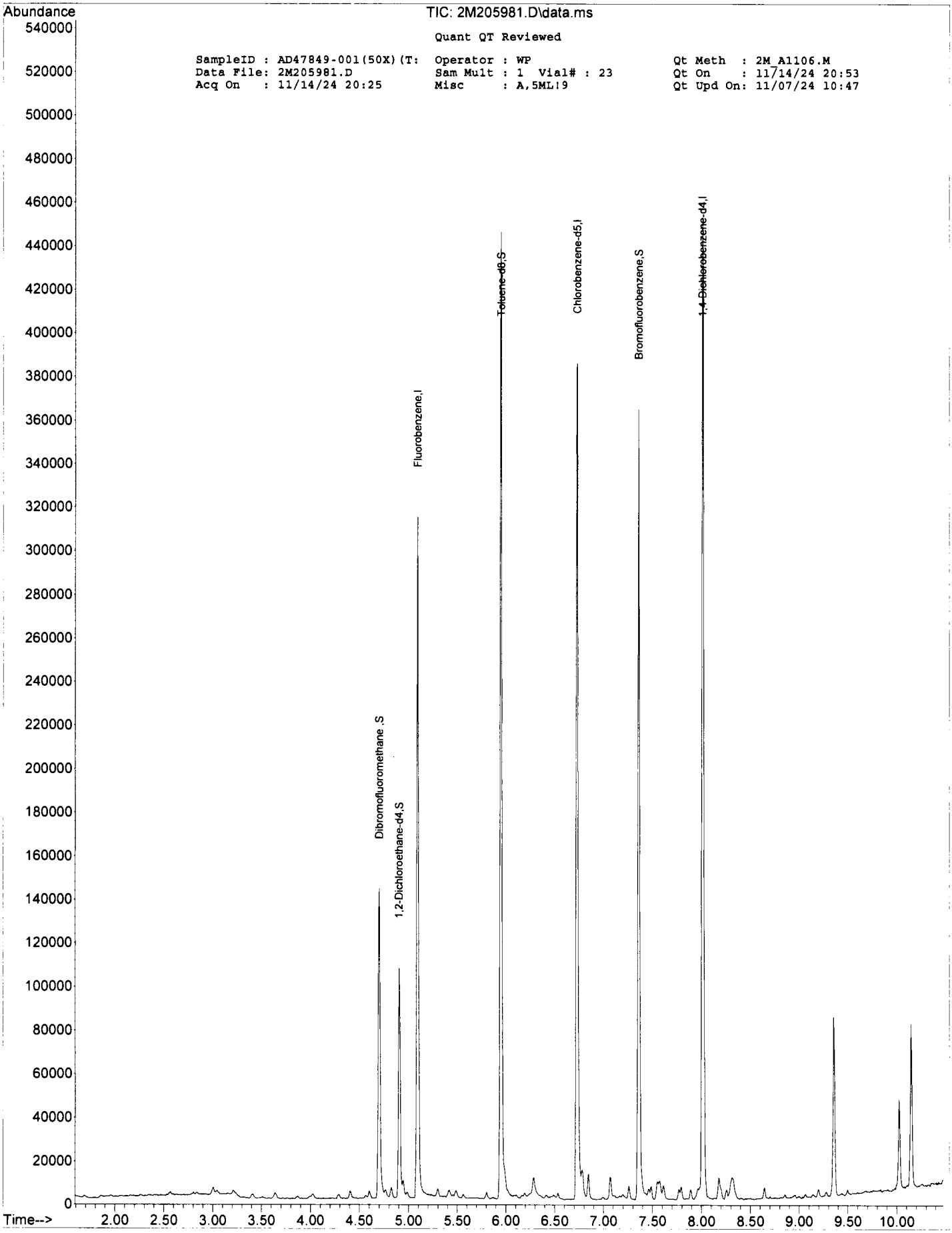
Quantitation Report (QT Reviewed)

SampleID : AD47849-001(50X)(T: Operator : WP Qt Meth : 2M_A1106.M
Data File: 2M205981.D Sam Mult : 1 Vial# : 23 Qt On : 11/14/24 20:53
Acq On : 11/14/24 20:25 Misc : A,5ML!9 Qt Upd On: 11/07/24 10:47

Data Path : G:\GcMsData\2024\GCMS_2\Data\11-14-24\
Qt Path : G:\GcMsData\2024\GCMS_2\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	5.093	96	192591	30.00	ug/l	0.00
52) Chlorobenzene-d5	6.733	117	183700	30.00	ug/l	0.00
70) 1,4-Dichlorobenzene-d4	8.013	152	103700	30.00	ug/l	0.00
System Monitoring Compounds						
37) Dibromofluoromethane	4.703	111	58249	28.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 94.30%			
39) 1,2-Dichloroethane-d4	4.904	67	25099	26.28	ug/l	0.00
Spiked Amount 30.000			Recovery = 87.60%			
66) Toluene-d8	5.952	98	216554	26.77	ug/l	0.00
Spiked Amount 30.000			Recovery = 89.23%			
76) Bromofluorobenzene	7.361	174	87304	32.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.57%			
Target Compounds						Qvalue

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


Abundance
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Quant QT Reviewed
SampleID : AD47849-001(50X)(T:
Data File: 2M205981.D
Acq On : 11/14/24 20:25
Operator : WP
Sam Mult : 1 Vial# : 23
Misc : A,5ML!9
Qt Meth : 2M_A1106.M
Qt On : 11/14/24 20:53
Qt Upd On: 11/07/24 10:47
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

GC/MS Volatile Data
Logbook Data

RUN LOG

1-1-2M205516

Instrument: GCMS_2 Year: 2024
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M205516.	BFB TUNE		V-425144,V-425308,V-427185	SG 11/07/24						11/06 19:00
2M205518.	CAL @ 0.5 PPB		B-37807	SG 11/07/24		Aqueous	1	1	624\8260	11/06 19:35
2M205519.	1 PPB	IsBnf	B-37807	SG 11/07/24		Aqueous	1	1	624\8260	11/06 19:54
2M205520.	CAL @ 5 PPB		B-37807	SG 11/07/24		Aqueous	1	1	624\8260	11/06 20:14
2M205521.	CAL @ 10 PPB		B-37807	SG 11/07/24		Aqueous	1	1	624\8260	11/06 20:33
2M205523.	CAL @ 1 PPB		B-37807	SG 11/07/24		Aqueous	1	1	624\8260	11/06 21:13
2M205524.	CAL @ 20 PPB		B-37807	SG 11/07/24		Aqueous	1	1	624\8260	11/06 21:32
2M205526.	CAL @ 50 PPB		B-37807	SG 11/07/24		Aqueous	1	1	624\8260	11/06 22:11
2M205528.	CAL @ 100 PPB		B-37807	SG 11/07/24		Aqueous	1	1	624\8260	11/06 22:50
2M205531.	CAL @ 250 PPB		B-37807	SG 11/07/24		Aqueous	1	1	624\8260	11/06 23:48
2M205534.	CAL @ 500 PPB		B-37807	SG 11/07/24		Aqueous	1	1	624\8260	11/07 00:47
2M205541.	ICV	IsIvoBnf	V-429239	SG 11/07/24		Aqueous	1	1	624\8260	11/07 03:02

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
An	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
B6m	Blank 600 series missing	Etn	Tdn/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
B8m	Blank 8000 series missing	Eto	Tdn Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt csv for init calibration chek rds	S6	600 series surrogate out
Cme	Endmo Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a samol	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

RUN LOG

1-1-2M205959

Instrument: GCMS_2 Year: 2024
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M205959.	BFB TUNE		V-425144,V-425144,V-427185,V-429589	SG 11/14/24						11/14 13:21
2M205961.	CAL @ 20 PPB		OK	SG 11/14/24		Aqueous	1	1	624\8260	11/14 13:56
2M205962.	20 PPB					Aqueous	1	1	624\8260	11/14 14:15
2M205964.	RINSE					Aqueous	1	1	624\8260	11/14 14:54
2M205965.	DAILY BLANK		OK,156920	SG 11/14/24		Methano	1	1	8260D	11/14 15:13
2M205966.	DAILY BLANK		OK	SG 11/14/24		Aqueous	1	1	624\8260	11/14 15:33
2M205967.	AD48092-010		OK	SG 11/14/24	VO-8260	Aqueous	1	1	8260D	11/14 15:52
2M205968.	AD48090-001		OK	SG 11/14/24	VOBTEXM62	Aqueous	1	1	624	11/14 16:12
2M205969.	MBS120045		OK MBS120045	SG 11/14/24		Aqueous	1	1	624\8260	11/14 16:31
2M205970.	MBS120046		MBS120046			Methano	1	1	8260D	11/14 16:51
2M205971.	AD47849-001(50X)(		QC	WP 11/14/24	VOTCLP-826	Aqueous	1	50	624\8260	11/14 17:10
2M205972.	AD48093-002		RR-1X,possible tic	WP 11/14/24	VO10-8260	Aqueous	1	1	8260D	11/14 17:30
2M205973.	AD48093-003		OK	WP 11/14/24	VO10-8260	Aqueous	1	1	8260D	11/14 17:49
2M205974.	AD47955-007		OK	WP 11/14/24	VO15-8260	Aqueous	1	1	8260D	11/14 18:08
2M205975.	AD48090-003		RR-1X,possible co	WP 11/14/24	VOBTEXM62	Aqueous	1	1	624	11/14 18:28
2M205976.	AD48090-004		OK	WP 11/14/24	VOBTEXM62	Aqueous	1	1	624	11/14 18:47
2M205977.	AD48090-005	Ocf	RR-10X	WP 11/14/24	VOBTEXM62	Aqueous	1	1	624	11/14 19:07
2M205978.	RINSE-DI					Aqueous	1	1	624\8260	11/14 19:26
2M205979.	AD48090-002(5X)	Ocf	RR-10X	WP 11/14/24	VOBTEXM62	Aqueous	1	5	624	11/14 19:46
2M205980.	AD47849-001(50X)(M16M18		OK	WP 11/14/24	VOTCLP-826	Aqueous	1	50	624\8260	11/14 20:06
2M205981.	AD47849-001(50X)(M16M18		OK	WP 11/14/24	VOTCLP-826	Aqueous	1	50	624\8260	11/14 20:25
2M205982.	AD48106-002		RR-1X,possible tic	WP 11/14/24	VO15-8260	Aqueous	1	1	8260D	11/14 20:45
2M205983.	AD48106-001		RR-1X,possible tic	WP 11/14/24	VO15-8260	Aqueous	1	1	8260D	11/14 21:04
2M205984.	AD48092-002		RR-1X,possible co	WP 11/14/24	VO-8260	Aqueous	1	1	8260D	11/14 21:23
2M205985.	AD48092-001		OK	WP 11/14/24	VO-8260	Aqueous	1	1	8260D	11/14 21:43
2M205986.	AD48092-006		RR-1X,possible co	WP 11/14/24	VO-8260	Aqueous	1	1	8260D	11/14 22:02
2M205987.	AD48092-007		OK	WP 11/14/24	VO-8260	Aqueous	1	1	8260D	11/14 22:22
2M205988.	AD48092-009		OK	WP 11/14/24	VO-8260	Aqueous	1	1	8260D	11/14 22:41
2M205989.	AD48100-001		RR-1X,possible tic	WP 11/14/24	VO15-8260	Aqueous	1	1	8260D	11/14 23:01
2M205990.	AD48100-002		RR-1X,possible tic	WP 11/14/24	VO15-8260	Aqueous	1	1	8260D	11/14 23:20
2M205991.	AD48100-003		RR-1X,possible tic	WP 11/14/24	VO15-8260	Aqueous	1	1	8260D	11/14 23:39
2M205992.	AD48093-001		OK	MD 11/15/24	VO10-8260	Aqueous	1	1	8260D	11/14 23:59
2M205993.	AD48092-006		OK	MD 11/15/24	VO-8260	Aqueous	1	1	8260D	11/15 00:18
2M205994.	AD48092-002		OK	MD 11/15/24	VO-8260	Aqueous	1	1	8260D	11/15 00:38
2M205995.	AD48100-001		RR-1X	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 00:57

Anc	Area Not Checked	Eo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Esm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 ... not checked
BBm	Blank 600 series missing	Eto	Tclp/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for enh
BBm	Blank 8000 series missing	Eto	Tclp Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C16	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endrin
C18	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R16 R26	Rpd Out on MsMsd (col1 and or col2) 600 series
C26	Calibration Column 2 Out (600 Series)	I16 I26	Initial cal 600 series failed Column 1 and or 2	R18 R28	Rpd Out on MsMsd (col1 and or col2) 8000 series
C28	Calibration Column 2 Out (8000 Series)	I18 I28	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Dqft
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calmt.csv for init calibration chek.rfs	S6	600 series surrogate out
Cme	Endino Cal missing for sample (8000 series)	Iw	Initial cal warning. Ini cal file <> method	S8	8000 series surrogate out
Co	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl...	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

RUN LOG

1-1-2M205996

Instrument: GCMS_2 Year: 2024
Analyst: WP

Data File	Sample Number	Flags	Comments	Reviewed By	Test Group	Matrix	Surr Dil	Sam Dil	Method(s)	Analysis Date
2M205996.	BFB TUNE		V-425144,V-425144,V-427185,V-429589	MD 11/15/24						11/15 01:12
2M205997.	CAL @ 20 PPB		OK	MD 11/15/24		Aqueous	1	1	624\8260	11/15 01:27
2M205999.	RINSE					Aqueous	1	1	624\8260	11/15 02:06
2M206000.	RINSE-HCL					Aqueous	1	1	624\8260	11/15 02:25
2M206001.	DAILY BLANK		OK,16056	MD 11/15/24		Methano	1	1	8260D	11/15 02:45
2M206002.	DAILY BLANK		OK	MD 11/15/24		Aqueous	1	1	624\8260	11/15 03:04
2M206003.	AD48093-002		OK	MD 11/15/24	VO10-8260	Aqueous	1	1	8260D	11/15 03:24
2M206004.	AD48106-001		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 03:43
2M206005.	AD48106-002		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 04:03
2M206006.	AD48100-002		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 04:22
2M206007.	AD48100-003		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 04:41
2M206008.	AD48090-003		OK	MD 11/15/24	VOBTEXM62	Aqueous	1	1	624	11/15 05:01
2M206009.	AD48090-005(10X)		OK	MD 11/15/24	VOBTEXM62	Aqueous	1	10	624	11/15 05:21
2M206010.	AD48090-002(10X)		OK	MD 11/15/24	VOBTEXM62	Aqueous	1	10	624	11/15 05:41
2M206011.	MBS120050		MBS120050			Methano	1	1	8260D	11/15 06:00
2M206012.	MBS120047		OK MBS120047	MD 11/15/24		Aqueous	1	1	624\8260	11/15 06:20
2M206013.	AD47841-017(50X)(		OK MBS120047	MD 11/15/24	VOTCLP-826	Aqueous	1	50	624\8260	11/15 06:39
2M206014.	AD47841-017(50X)(		OK MBS120047	MD 11/15/24	VOTCLP-826	Aqueous	1	50	624\8260	11/15 06:59
2M206015.	AD47841-017(50X)(		QC ONLY MBS120047	MD 11/15/24	VOTCLP-826	Aqueous	1	50	624\8260	11/15 07:18
2M206016.	AD48117-004		OK	MD 11/15/24	VO-8260	Aqueous	1	1	8260D	11/15 07:38
2M206017.	AD48117-005		OK	MD 11/15/24	VO-8260	Aqueous	1	1	8260D	11/15 07:57
2M206018.	AD48114-007		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 08:17
2M206019.	AD48114-008		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 08:36
2M206020.	AD48100-001		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 08:56
2M206021.	AD48117-001		OK	MD 11/15/24	VO-8260	Aqueous	1	1	8260D	11/15 09:15
2M206022.	AD48117-002		OK	MD 11/15/24	VO-8260	Aqueous	1	1	8260D	11/15 09:35
2M206023.	AD48117-003		OK	MD 11/15/24	VO-8260	Aqueous	1	1	8260D	11/15 09:54
2M206024.	AD48114-001		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 10:14
2M206025.	AD48114-002		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 10:33
2M206026.	AD48114-003		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 10:52
2M206027.	AD48114-004		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 11:12
2M206028.	AD48114-006		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 11:31
2M206029.	AD48114-005		OK	MD 11/15/24	VO15-8260	Aqueous	1	1	8260D	11/15 11:51

Anc	Area Not Checked	Fo	Extraction Performed Past Hold	Co	Warning Possible Carry Over
Ao	Area Out	Fsm	Solvent Extraction Date Missing/Not check'd	CRN	Warning c30/c20 not checked
B6m	Blank 600 series missing	Ftn	Tcln/Solvent Extraction Date Missing/Not check'd	Cro	C30/C20 failed for eqb
B8m	Blank 8000 series missing	Fto	Tcln Extraction Performed Outside of Hold	EvF	Eval Mix Failed
Bnf	Blank Not Found/Assigned	Ev	Eval Time Exceeded	Evnc	Eval Mix Not Checked
C1B	Calibration Column 1 Out (600 Series)	Hb	Analysis Before Collection Date	Evrc	Eval Mix missing ddt or endpn
C1B	Calibration Column 1 Out (8000 Series)	Ho	Sample Analyzed outside of hold time	R1B R2B	Rpd Out on MsMsd (col1 and or col2) 600 series
C2B	Calibration Column 2 Out (600 Series)	I1B I2B	Initial cal 600 series failed Column 1 and or 2	R1B R2B	Rpd Out on MsMsd (col1 and or col2) 8000 series
C2B	Calibration Column 2 Out (8000 Series)	I1B I2B	Initial cal 8000 series failed Column 1 and or 2	Ro	Retention Time Out Or %Diff Out
C6f	600 series sample/blank did not have passing cal	Is	Initial Cal Not Checked	Rto	Can't Calculate Drift
C8f	8000 series sample/blank did not have passing cal	Iv	Prob with calrpt csv for init calibration chek rds	S6	600 series surrogate out
Cme	Ending Cal missing for sample (8000 series)	Iw	Initial cal warning Ini cal file <> method	S8	8000 series surrogate out
Cn	Calibration Not Checked for sample/blank/eval	Ix	Initial Cal Files Not Updated Properly for a sampl	Sa6 Sb6	Acid and or BN Surrogate Out (600 series)

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-397969

Prepared By: Revolus, Jean
Description: Voa Extra Add Mix
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 2000-20000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
13192	n-Amyl acetate	20 mg	NEAT	2000 ppm
13194	n-Butyl acrylate	20 mg	Neat	2000 ppm
13195	Methyl methacrylate	20 mg	Neat	2000 ppm
15378	Isoprpyl acetane	20 mg	NEAT	2000 ppm
14553	Ethyl methacrylate	20 mg	NEAT	2000 ppm
15375	Camphene	20 mg	NEAT	2000 ppm
15374	d-Camphor	200 mg	NEAT	20000 ppm
14550	Butyl methacrylate	20 mg	NEAT	2000 ppm
14549	Ethyl acetate	20 mg	NEAT	2000 ppm
15140	Methanol	10 ml	Neat neat	

Veritech Lot Number: V-397972

Prepared By: Revolus, Jean
Description: Voa Extra Add Mix(2nd Source)
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 2000-20000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
15378	Isoprpyl acetane	20 mg	NEAT	2000 ppm
13195	Methyl methacrylate	20 mg	Neat	2000 ppm
13194	n-Butyl acrylate	20 mg	Neat	2000 ppm
13192	n-Amyl acetate	20 mg	NEAT	2000 ppm
15375	Camphene	20 mg	NEAT	2000 ppm
14553	Ethyl methacrylate	20 mg	NEAT	2000 ppm
15374	d-Camphor	200 mg	NEAT	20000 ppm
15140	Methanol		Neat neat	
14550	Butyl methacrylate	20 mg	NEAT	2000 ppm
14549	Ethyl acetate	20 mg	NEAT	2000 ppm

Veritech Lot Number: V-397973

Prepared By: Revolus, Jean
Description: VOA ADD MIX
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 5000/25000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
15373	p-Diethylbenzene	50 mg	NEAT	5000 ppm
14548	p-Ethyltoluene	50 mg	NEAT	5000 ppm
15377	Cyclohexanone	250 mg	NEAT	25000 ppm
15140	Methanol		Neat neat	

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-397974

Prepared By: Revolus, Jean
Description: VOA ADD MIX(2nd source)
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 5000/25000 p
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
2889	1,2,4,5-TETRAMETHYLBENZENE	50 mg	NEAT	5000 ppm
15373	p-Diethylbenzene	50 mg	NEAT	5000 ppm
14548	p-Ethyltoluene	50 mg	NEAT	5000 ppm
15377	Cyclohexanone	250 mg	NEAT	25000 ppm
15140	Methanol		Neat neat	

Veritech Lot Number: V-397975

Prepared By: Revolus, Jean
Description: Ethyl ether/Furan Mix
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
11587	Furan	50 mg	NEAT neat	5000 ppm
15140	Methanol	10 ml	Neat neat	
13987	Ethyl Ether	50 mg	NEAT	5000 ppm

Veritech Lot Number: V-397976

Prepared By: Revolus, Jean
Description: Ethyl ether/Furan Mix(2nd Source)
Prep Date: 6/22/2023
Expiration Date: 6/22/2024
Department: Organics
BatchNumber:
Concentration: 5000 ppm
Final Volume: 10 ml
ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
15140	Methanol	10 ml	Neat neat	
11587	Furan	50 mg	NEAT neat	5000 ppm
13987	Ethyl Ether	50 mg	NEAT	5000 ppm

Veritech Lot Number: V-416607

Prepared By: Jenison, Victoria
Description: 20ppm Freon VOA Working Std
Prep Date: 4/22/2024
Expiration Date: 4/16/2025
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 04/24/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14606	Methanol	900 ul	neat neat	neat
15728	Chlorodifluoromethane	100 ul	200 ppm	20 ppm

Veritech Lot Number: V-419161

Prepared By: Previlon, Wilner
Description: VOA WORKING INT/SURR MIX
Prep Date: 5/28/2024
Expiration Date: 5/28/2025
Department: Organics
BatchNumber:
Concentration: 150 ppm
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 05/29/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14606	Methanol	88 ml	neat neat	
15231	8260A Internal Standard Mix	6 ml	2000 ppm	150 ppm
15232	8260A Surrogate Mix	6 ml	2000 ppm	150 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-425144

Prepared By: Jenison, Victoria
Description: BFB Tune Mix
Prep Date: 9/3/2024
Expiration Date: 5/28/2025
Department: Organics
BatchNumber:
Concentration: 50 ppm
Final Volume: 1.5 ml
ApprovedBy: akmal
ApproveDate: 09/05/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-419161	VOA WORKING INT/SURR MIX	500 ul	150 ppm	50 ppm
14606	Methanol	1000 ul	neat neat	

Veritech Lot Number: V-425308

Prepared By: Previlon, Wilner
Description: VOA WORKING INT/SURR MIX
Prep Date: 9/4/2024
Expiration Date: 9/4/2025
Department: Organics
BatchNumber:
Concentration: 150 ppm
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 09/05/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
14606	Methanol	88 ml	neat neat	
15231	8260A Internal Standard Mix	6 ml	2000 ppm	150 ppm
15232	8260A Surrogate Mix	6 ml	2000 ppm	150 ppm

Veritech Lot Number: V-427185

Prepared By: Jenison, Victoria
Description: MBS
Prep Date: 10/4/2024
Expiration Date: 12/23/2024
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 10/09/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
15690	Methyl Alcohol	610 ul	Neat neat	neat neat
16009	502.2 Calibration Mix #1(Gases)	50 ul	2000 ppm	100 ppm
15791	502.2 Cal2000 Mega Mix	50 ul	2000 ppm	100 ppm
16188	Method 8260 Additions	50 ul	2000 ppm	100 ppm
16213	Custom Voc Standard(2ND SOURCE)	50 ul	2000 ppm	various ppm
15227	tert-Amyl Methyl Ether	50 ul	2000 ppm	100 ppm
V-397974	VOA ADD MIX(2nd source)	20 ul	5000/25000 p	various ppm
V-397972	Voa Extra Add Mix(2nd Source)	50 ul	2000-20000 p	100-1000 pp
V-397976	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm
15228	Ethyl-tert-Butyl Ether(ETBE)	50 ul	2000 ppm	100 ppm

Veritech Lot Number: V-428182

Prepared By: Revolus, Jean
Description: 200ppm VOA Working Std
Prep Date: 10/17/2024
Expiration Date: 12/23/2024
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 11/01/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
16056	Methyl Alcohol	220 ul	neat neat	neat
15792	502.2 Cal Mix #1(Gases)	100 ul	2000 ppm	200 ppm
15791	502.2 Cal2000 Mega Mix	100 ul	2000 ppm	200 ppm
16187	Method 8260 Additions	100 ul	2000 ppm	200 ppm
16212	Custom VOC Standard	100 ul	2000 ppm	various ppm
14490	tert-Amyl Methyl Ether Standard	100 ul	2000 ppm	200 ppm
V-397973	VOA ADD MIX	40 ul	5000/25000 p	various ppm
V-397969	Voa Extra Add Mix	100 ul	2000-20000 p	200 ppm
V-397975	Ethyl ether/Furan Mix	40 ul	5000 ppm	200 ppm
16115	Ethyl-tert-Butyl Ether(ETBE) Standard	100 ul	2000 ppm	200 ppm

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-428184

Prepared By: Revolus, Jean
Description: MBS
Prep Date: 10/17/2024
Expiration Date: 12/23/2024
Department: Organics
BatchNumber:
Concentration: 100 ppm
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 11/01/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
16056	Methyl Alcohol	610 ul	neat neat	neat neat
16010	502.2 Calibration Mix #1(Gases)(2nd Source)	50 ul	2000 ppm	100 ppm
15791	502.2 Cal2000 Mega Mix	50 ul	2000 ppm	100 ppm
16188	Method 8260 Additions	50 ul	2000 ppm	100 ppm
16213	Custom Voc Standard(2ND SOURCE)	50 ul	2000 ppm	various ppm
15227	tert-Amyl Methyl Ether	50 ul	2000 ppm	100 ppm
V-397974	VOA ADD MIX(2nd source)	20 ul	5000/25000 p	various ppm
V-397972	Voa Extra Add Mix(2nd Source)	50 ul	2000-20000 p	100-1000 pp
V-397976	Ethyl ether/Furan Mix(2nd Source)	20 ul	5000 ppm	100 ppm
16133	Ethyl -tert-Butyl Ether(ETBE)(2nd Source)	50 ul	2000 ppm	100 ppm

Veritech Lot Number: V-428185

Prepared By: Revolus, Jean
Description: 20ppm VOA Working Std
Prep Date: 10/17/2024
Expiration Date: 12/23/2024
Department: Organics
BatchNumber:
Concentration: VARIOUS pp
Final Volume: 1 ml
ApprovedBy: akmal
ApproveDate: 11/01/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
16056	Methyl Alcohol	900 ul	neat neat	neat
V-428182	200ppm VOA Working Std	100 ul	VARIOUS pp	20 ppm

Veritech Lot Number: V-429221

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 250 PPB
Prep Date: 11/6/2024
Expiration Date: 11/14/2024
Department: Organics
BatchNumber: B-37807
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/07/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428182	200ppm VOA Working Std	125 ul	VARIOUS pp	250 ppb
12833	P&T Water	100 ml	NEAT neat	
16020	Chlorodifluoromethane	125 ul	200 ppm	250 ppb

Veritech Lot Number: V-429222

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 100 PPB
Prep Date: 11/6/2024
Expiration Date: 11/14/2024
Department: Organics
BatchNumber: B-37807
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/07/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428182	200ppm VOA Working Std	50 ul	VARIOUS pp	100 ppb
12833	P&T Water	100 ml	NEAT neat	
16020	Chlorodifluoromethane	50 ul	200 ppm	100 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-429223

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 50 PPB
Prep Date: 11/6/2024
Expiration Date: 11/14/2024
Department: Organics
BatchNumber: B-37807
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/07/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428182	200ppm VOA Working Std	25 ul	VARIOUS pp	50 ppb
12833	P&T Water	100 ml	NEAT neat	
16020	Chlorodifluoromethane	25 ul	200 ppm	50 ppb

Veritech Lot Number: V-429224

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 20 PPB
Prep Date: 11/6/2024
Expiration Date: 11/14/2024
Department: Organics
BatchNumber: B-37807
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/07/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428182	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
12833	P&T Water	100 ml	NEAT neat	
16020	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-429225

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 10 PPB
Prep Date: 11/6/2024
Expiration Date: 11/14/2024
Department: Organics
BatchNumber: B-37807
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/07/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428185	20ppm VOA Working Std	50 ul	VARIOUS pp	10 ppb
12833	P&T Water	100 ml	NEAT neat	
V-416607	20ppm Freon VOA Working Std	50 ul	VARIOUS pp	10 ppb

Veritech Lot Number: V-429226

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 5 PPB
Prep Date: 11/6/2024
Expiration Date: 11/14/2024
Department: Organics
BatchNumber: B-37807
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/07/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428185	20ppm VOA Working Std	25 ul	VARIOUS pp	5 ppb
12833	P&T Water	100 ml	NEAT neat	
V-416607	20ppm Freon VOA Working Std	25 ul	VARIOUS pp	5 ppb

Veritech Lot Number: V-429227

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 1 PPB
Prep Date: 11/6/2024
Expiration Date: 11/14/2024
Department: Organics
BatchNumber: B-37807
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/07/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428185	20ppm VOA Working Std	5 ul	VARIOUS pp	1 ppb
12833	P&T Water	100 ml	NEAT neat	
V-416607	20ppm Freon VOA Working Std	5 ul	VARIOUS pp	1 ppb

Veritech Internally Prepared Standard Log

Veritech Lot Number: V-429228

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 0.5 PPB
Prep Date: 11/6/2024
Expiration Date: 11/14/2024
Department: Organics
BatchNumber: B-37807
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/07/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428185	20ppm VOA Working Std	2.5 ul	VARIOUS pp	0.5 ppb
12833	P&T Water	100 ml	NEAT neat	
V-416607	20ppm Freon VOA Working Std	2.5 ul	VARIOUS pp	0.5 ppb

Veritech Lot Number: V-429229

Prepared By: Previlon, Wilner
Description: 624/8260 CAL @ 500 PPB
Prep Date: 11/6/2024
Expiration Date: 11/14/2024
Department: Organics
BatchNumber: B-37807
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/07/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428182	200ppm VOA Working Std	250 ul	VARIOUS pp	500 ppb
12833	P&T Water	100 ml	NEAT neat	
16020	Chlorodifluoromethane	250 ul	200 ppm	500 ppb

Veritech Lot Number: V-429239

Prepared By: Previlon, Wilner
Description: ICV CAL @ 20 PPB
Prep Date: 11/6/2024
Expiration Date: 11/14/2024
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/07/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428184	MBS	20 ul	100 ppm	20 ppb
12833	P&T Water	100 ml	NEAT neat	neat
15729	Chlorodifluoromethane(2nd Source)	10 ul	200 ppm	20 ppb

Veritech Lot Number: V-429589

Prepared By: Damte, Michael
Description: CAL @ 20 PPB
Prep Date: 11/12/2024
Expiration Date: 11/19/2024
Department: Organics
BatchNumber:
Concentration: VARIOUS ppb
Final Volume: 100 ml
ApprovedBy: akmal
ApproveDate: 11/19/24
Checked: Yes

Veritech Lot# /Rec#	Lot Description	Amount Used	Conc of Std	Final Conc
V-428182	200ppm VOA Working Std	10 ul	VARIOUS pp	20 ppb
12833	P&T Water	100 ml	NEAT neat	
16020	Chlorodifluoromethane	10 ul	200 ppm	20 ppb

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 2889

Description: 1,2,4,5-TETRAMETHYLBENZENE

ApprovedBy: jean
ApproveDate: 12/18/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Acros Organics	409390050	A0214190	11/20/07	11/30/27	Revolus, Jean	1	1ML	NEAT	

Veritech Control/Receipt Number: 11587

Description: Furan

ApprovedBy: akmal
ApproveDate: 04/05/18
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Aldrich	185922	SHBG4510V	04/05/18	08/31/25	Hamid, Akmal	1	5ML	NEAT	NEAT

Veritech Control/Receipt Number: 12833

Description: P&T Water

ApprovedBy: akmal
ApproveDate: 10/16/19
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Veritech	N/A	N/A	10/14/19	10/14/25	Goring, Shawn	1	N/A	NEAT	NEAT

Veritech Control/Receipt Number: 13192

Description: n-Amyl acetate

ApprovedBy: jean
ApproveDate: 04/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-12508-1G	9676300	04/17/20	03/31/26	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 13194

Description: n-Butyl acrylate

ApprovedBy: jean
ApproveDate: 04/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-12513-1G	9919500	04/17/20	01/31/26	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 13195

Description: Methyl methacrylate

ApprovedBy: jean
ApproveDate: 04/17/20
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-12443-1G	9827400	04/17/20	03/30/26	Revolus, Jean	1	1g	Neat	

Veritech Control/Receipt Number: 13987

Description: Ethyl Ether

ApprovedBy: akmal
ApproveDate: 06/09/21
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Chem Service	N-11897-1G	11096100	05/25/21	12/31/25	Revolus, Jean	1	1g	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 14490

Description: tert-Amyl Methyl Ether Standard

ApprovedBy: akmal
ApproveDate: 03/23/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Restek	30629	A0182802	03/18/22	03/31/27	Hamid, Akmal	10	1ML	2000	PPM

Veritech Control/Receipt Number: 14548

Description: p-Ethyltoluene

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-12776-1G	12503700	04/12/22	12/31/25	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14549

Description: Ethyl acetate

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11881-1G	12841300	04/12/22	11/30/24	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14550

Description: Butyl methacrylate

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11371-1G	12981700	04/12/22	02/28/29	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14553

Description: Ethyl methacrylate

ApprovedBy: jean
ApproveDate: 05/01/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEMSERVICE	N-11903-1G	12985900	04/12/22	02/28/26	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 14606

Description: Methanol

ApprovedBy: jean
ApproveDate: 06/07/22
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
EMD	MX0482-6	60049	05/26/22	05/25/26	Lopez, Jose	49	1L	neat	neat

Veritech Control/Receipt Number: 15140

Description: Methanol

ApprovedBy: akmal
ApproveDate: 03/03/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Supelco/EMD	MX0482	62126	03/02/23	03/01/28	Lopez, Jose	30	1L	Neat	Neat

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 15227

Description: tert-Amyl Methyl Ether

ApprovedBy: jean
ApproveDate: 04/24/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30629	A0191192	04/07/23	11/30/27	Revolus, Jean	4	1ml	2000	PPM

Veritech Control/Receipt Number: 15228

Description: Ethyl-tert-Butyl Ether(ETBE)

ApprovedBy: jean
ApproveDate: 04/24/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30628	A0193158	04/07/23	01/31/28	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 15231

Description: 8260A Internal Standard Mix

ApprovedBy: jean
ApproveDate: 04/24/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30241	A190944	04/07/23	10/31/27	Revolus, Jean	12	1ml	2000	PPM

Veritech Control/Receipt Number: 15232

Description: 8260A Surrogate Mix

ApprovedBy: jean
ApproveDate: 04/24/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30240	A0192204	04/07/23	12/31/27	Revolus, Jean	12	1ml	2000	PPM

Veritech Control/Receipt Number: 15373

Description: p-Diethylbenzene

ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERVICE	N-12771-100MG	14490400	06/22/23	12/31/26	Revolus, Jean	4	100m	NEAT	

Veritech Control/Receipt Number: 15374

Description: d-Camphor

ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERVICE	N-11556-100MG	9259300	06/22/23	12/31/25	Revolus, Jean	3	100 m	NEAT	

Veritech Control/Receipt Number: 15375

Description: Camphene

ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERVICE	N-11395-250MG	13119400	06/22/23	04/30/27	Revolus, Jean	3	250 m	NEAT	

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 15377

Description: Cyclohexanone

ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERVICE	N-11531-1G	14388800	06/22/23	06/30/27	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 15378

Description: Isoprpyl acetane

ApprovedBy: jean
ApproveDate: 06/23/23
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
CHEM SERVICE	N-12223-G	13779100	06/22/23	12/31/25	Revolus, Jean	1	1g	NEAT	

Veritech Control/Receipt Number: 15690

Description: Methanol

ApprovedBy: sean
ApproveDate: 09/10/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
TEDIA	MP1924	23070152	01/16/24	06/18/25	Cajuste, Pierre	36	1L	Neat	Neat

Veritech Control/Receipt Number: 15728

Description: Chlorodifluoromethane

ApprovedBy: jean
ApproveDate: 01/24/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	M-REF-03	224011333	01/24/24	01/18/34	Revolus, Jean	10	1ml	200	PPM

Veritech Control/Receipt Number: 15729

Description: Chlorodifluoromethane(2nd Source)

ApprovedBy: jean
ApproveDate: 01/24/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	M-REF-03	224011384	01/24/24	01/19/34	Revolus, Jean	10	1ml	200	PPM

Veritech Control/Receipt Number: 15791

Description: 502.2 Cal2000 Mega Mix

ApprovedBy: akmal
ApproveDate: 03/20/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30431	A0202725	03/15/24	10/31/25	Revolus, Jean	10	1ml	2000	PPM

Veritech Control/Receipt Number: 15792

Description: 502.2 Cal Mix #1(Gases)

ApprovedBy: akmal
ApproveDate: 03/20/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30042	A0205735	03/15/24	08/31/30	Revolus, Jean	10	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 16009

Description: 502.2 Calibration Mix #1(Gases)

ApprovedBy: akmal
ApproveDate: 06/17/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30042	A0207532	05/24/24	10/31/30	Revolus, Jean	15	1ml	2000	PPM

Veritech Control/Receipt Number: 16010

Description: 502.2 Calibration Mix #1(Gases)(2nd Source)

ApprovedBy: akmal
ApproveDate: 06/17/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30042	A0209373	05/24/24	11/30/30	Revolus, Jean	15	1ml	2000	PPM

Veritech Control/Receipt Number: 16020

Description: Chlorodifluoromethane

ApprovedBy: akmal
ApproveDate: 06/17/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	M-REF-03	224011384	05/29/24	01/19/34	Revolus, Jean	20	1ml	200	PPM

Veritech Control/Receipt Number: 16056

Description: Methyl Alcohol

ApprovedBy: akmal
ApproveDate: 06/19/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
Tedia	MP1924	23070152	06/18/24	06/18/25	Lopez, Jose	36	1L	neat	neat

Veritech Control/Receipt Number: 16115

Description: Ethyl-tert-Butyl Ether(ETBE) Standard

ApprovedBy: jean
ApproveDate: 07/31/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30628	A0197209	07/31/24	04/30/28	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 16133

Description: Ethyl -tert-Butyl Ether(ETBE)(2nd Source)

ApprovedBy: akmal
ApproveDate: 08/22/24
Checked: Yes

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
RESTEK	30628	A0214914	08/19/24	08/31/29	User, Organics	5	1ml	2000	PPM

Veritech Control/Receipt Number: 16187

Description: Method 8260 Additions

ApprovedBy:
ApproveDate:
Checked: No

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	224081388	09/11/24	12/23/24	Revolus, Jean	3	1ml	2000	PPM

Veritech Standard Receipt Log

Veritech Control/Receipt Number: 16188

Description
Method 8260 Additions

ApprovedBy:
ApproveDate:
Checked: No

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	M-8260-ADD-10X	224081404	09/11/24	12/23/24	Revolus, Jean	3	1ml	2000	PPM

Veritech Control/Receipt Number: 16212

Description
Custom VOC Standard

ApprovedBy:
ApproveDate:
Checked: No

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	S-16418	224091416	10/01/24	03/25/25	Revolus, Jean	5	1ml	2000	PPM

Veritech Control/Receipt Number: 16213

Description
Custom Voc Standard(2ND SOURCE)

ApprovedBy:
ApproveDate:
Checked: No

Manufacturer	Catalog Num:	Lot Num:	Date Rec:	Exp Date:	Rec By:	Num of Cont	Volume/ Cont	Conc:	Units:
ACCUSTANDAR	S-16418	224091382	10/01/24	03/25/25	Revolus, Jean	5	1mL	2000	PPM

Hampton-Clarke
Analytical & Field Services

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Hampton-Clarke
Analytical & Field Services

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Attn: Keith McPartlande

Received Date: 2/2/2026

Report Date: 3/9/2026

Deliverables: NYDOH-R

Lab ID: AD58020

Lab Project No: 6020202

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

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

NELAP ACCREDITED TNI LABORATORY

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

Table of Contents - 6020202

Sample Summary

Client: Langan Engineering & Environmental

HC Project #: 6020202

Project: Orange Plaza

Lab#	SampleID	Matrix	Collection Date	Receipt Date
AD58020-001	MW-1	Aqueous	2/2/2026	2/2/2026
AD58020-002	FB-20260202	Aqueous	2/2/2026	2/2/2026
AD58020-003	TB-20260202	Aqueous	2/2/2026	2/2/2026

HC Case Narrative

Client: Langan Engineering & Environmental **HC Project:** 6020202
Project: Orange Plaza

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 MS/MSD RPD and/or Matrix Spike for batch 129919 had recoveries outside QC limits. Please refer to the applicable Form 3 for the recoveries.

Sean Berls
Quality Assurance Officer

Or

Jean Revolus
Laboratory Director

3/9/26
Date

HC Executive Summary

Client: Langan Engineering & Environmental **HC Project #:** 6020202

Project: Orange Plaza

Lab#: AD58020-001 **Sample ID: MW-1**

Analyte	Units	RL	Result	Analytical Method
2-Butanone	ug/l	1.0	2.5	EPA 8260D
4-Methyl-2-pentanone	ug/l	1.0	2.3	EPA 8260D
Acetone	ug/l	5.0	14	EPA 8260D
cis-1,2-Dichloroethene	ug/l	1.0	1.6	EPA 8260D
trans-1,2-Dichloroethene	ug/l	1.0	1.6	EPA 8260D

HC Report of Analysis

Client: Langan Engineering & Environmental **HC Project #:** 6020202

Project: Orange Plaza

Sample ID: MW-1 **Collection Date:** 2/2/2026
Lab#: AD58020-001 **Receipt Date:** 2/2/2026
Matrix: Aqueous

Volatile Organics + 15 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.50	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	1.0	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropene (Total)	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	**1**	**ug/l**	**1.0**	**2.5**
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	**1**	**ug/l**	**1.0**	**2.3**
Acetone	**1**	**ug/l**	**5.0**	**14**
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	0.50	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	5.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**1.6**
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.53	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND

Sample ID: MW-1 **Collection Date:** 2/2/2026
Lab#: AD58020-001 **Receipt Date:** 2/2/2026
Matrix: Aqueous

trans-1,2-Dichloroethene	**1**	**ug/l**	**1.0**	**1.6**
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Volatile Organics + 15 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: FB-20260202 **Collection Date:** 2/2/2026
Lab#: AD58020-002 **Receipt Date:** 2/2/2026
Matrix: Aqueous

Volatile Organics + 15 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.50	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	1.0	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropene (Total)	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	0.50	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	5.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.53	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: FB-20260202
Lab#: AD58020-002
Matrix: Aqueous

Collection Date: 2/2/2026
Receipt Date: 2/2/2026

Volatile Organics + 15 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

Sample ID: TB-20260202
Lab#: AD58020-003
Matrix: Aqueous

Collection Date: 2/2/2026
Receipt Date: 2/2/2026

Volatile Organics + 15 (8260)

Analyte	DF	Units	RL	Result
1,1,1-Trichloroethane	1	ug/l	1.0	ND
1,1,2,2-Tetrachloroethane	1	ug/l	1.0	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1	ug/l	1.0	ND
1,1,2-Trichloroethane	1	ug/l	0.50	ND
1,1-Dichloroethane	1	ug/l	1.0	ND
1,1-Dichloroethene	1	ug/l	1.0	ND
1,2,3-Trichlorobenzene	1	ug/l	1.0	ND
1,2,4-Trichlorobenzene	1	ug/l	1.0	ND
1,2-Dibromo-3-chloropropane	1	ug/l	1.0	ND
1,2-Dibromoethane	1	ug/l	1.0	ND
1,2-Dichlorobenzene	1	ug/l	1.0	ND
1,2-Dichloroethane	1	ug/l	1.0	ND
1,2-Dichloropropane	1	ug/l	1.0	ND
1,3-Dichlorobenzene	1	ug/l	1.0	ND
1,3-Dichloropropene (Total)	1	ug/l	1.0	ND
1,4-Dichlorobenzene	1	ug/l	1.0	ND
1,4-Dioxane	1	ug/l	50	ND
2-Butanone	1	ug/l	1.0	ND
2-Hexanone	1	ug/l	1.0	ND
4-Methyl-2-pentanone	1	ug/l	1.0	ND
Acetone	1	ug/l	5.0	ND
Benzene	1	ug/l	0.50	ND
Bromochloromethane	1	ug/l	1.0	ND
Bromodichloromethane	1	ug/l	0.50	ND
Bromoform	1	ug/l	1.0	ND
Bromomethane	1	ug/l	1.0	ND
Carbon disulfide	1	ug/l	1.0	ND
Carbon tetrachloride	1	ug/l	1.0	ND
Chlorobenzene	1	ug/l	1.0	ND
Chloroethane	1	ug/l	1.0	ND
Chloroform	1	ug/l	5.0	ND
Chloromethane	1	ug/l	1.0	ND
cis-1,2-Dichloroethene	1	ug/l	1.0	ND
cis-1,3-Dichloropropene	1	ug/l	1.0	ND
Cyclohexane	1	ug/l	1.0	ND
Dibromochloromethane	1	ug/l	1.0	ND
Dichlorodifluoromethane	1	ug/l	1.0	ND
Ethylbenzene	1	ug/l	1.0	ND
Isopropylbenzene	1	ug/l	1.0	ND
m&p-Xylenes	1	ug/l	1.0	ND
Methyl Acetate	1	ug/l	1.0	ND
Methylcyclohexane	1	ug/l	1.0	ND
Methylene chloride	1	ug/l	1.0	ND
Methyl-t-butyl ether	1	ug/l	0.53	ND
o-Xylene	1	ug/l	1.0	ND
Styrene	1	ug/l	1.0	ND
Tetrachloroethene	1	ug/l	1.0	ND
Toluene	1	ug/l	1.0	ND
trans-1,2-Dichloroethene	1	ug/l	1.0	ND
trans-1,3-Dichloropropene	1	ug/l	1.0	ND
Trichloroethene	1	ug/l	1.0	ND
Trichlorofluoromethane	1	ug/l	1.0	ND
Vinyl chloride	1	ug/l	1.0	ND
Xylenes (Total)	1	ug/l	1.0	ND

Sample ID: TB-20260202
Lab#: AD58020-003
Matrix: Aqueous
Collection Date: 2/2/2026
Receipt Date: 2/2/2026

Volatile Organics + 15 (8260) Library Searches

Analyte	DF	Units	RT	Result
No Unknown Compounds Detected	1	ug/l	NA	ND
TotalVolatileTic	1	ug/l	NA	ND

HC Reporting Limit Definitions/Data Qualifiers

REPORTING DEFINITIONS

DF = Dilution Factor

DUP = Duplicate

LCS = Laboratory Control Spike

MBS = Method Blank Spike

MDL = Method Detection Limit

MR = Matrix Replicate

MS = Matrix Spike

MSD = Matrix Spike Duplicate

NA = Not Applicable

ND = Not Detected

PS = Post Digestion Spike

RL* = Reporting Limit

RT = Retention Time

SD = Serial Dilution

**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: Langan Engineering & Environmental **HC Project #:** 6020202

Project: Orange Plaza

Lab#: AD58020-001 **Sample ID: MW-1**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics + 15 (8260)	EPA5030/5035			EPA 8260D	2/3/26 13:16	WP/SG/MD/VJ

Lab#: AD58020-002 **Sample ID: FB-20260202**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics + 15 (8260)	EPA5030/5035			EPA 8260D	2/5/26 14:36	WP/SG/MD/VJ

Lab#: AD58020-003 **Sample ID: TB-20260202**

Test Code	Prep Method	Prep Date	By	Analytical Method	Analysis Date	By
Volatile Organics + 15 (8260)	EPA5030/5035			EPA 8260D	2/3/26 15:28	WP/SG/MD/VJ

Chain of Custody

6020202 0013

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

175 US Highway 46, STE D and 2 Madison Road, Fairfield, New Jersey 07004
Ph: 800-426-9992 | 973-244-9770 Fax: 973-244-9787
Service Center: 137-C 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): 6020202

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 [X] NY	EQuIS:
4 Business Days (35%) *	[ ] PA [ ] Other___	[ ] 4-File [ ] EZ
5 Business Days (25%)	NJ Full / NY ASP CatB	[X] NYDEC
8 Business Days (Stand.)	NY ASP CatA	[ ] Region 2 or 5
Other: Per MSA		Other:

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

Customer Information

1a) Customer: LANGAN
Address: 300 KIMBALL DR
Parsippany
1b) Email/Cell/Fax/Ph: Kmcpartland@langan.com
1c) Send Invoice to:
1d) Send Report to:

Project Information

2a) Project: Orange Plaza
10057150
2b) Project Mgr: Keith McPartland
2c) Project Location (City/State): Orange Plaza
Middletown, NY
2d) Quote/PO # (If Applicable):

FOR LAB USE ONLY

===> Check If Contingent ===>

<=== 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)

Batch # HD58020

7) Analysis *(specify methods & parameter lists)*

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)	VOIC+SIM	None	MeOH	En Core	NaOH	HCl	H2SO4	HNO3	Other:	9) Comments
001	MW-1	GW	02/02/26	1220		G	X						5			
002	FB-20260202	FB		1230		G	X						5			
003	TB-20260202	TB					X						5			

10) Relinquished by:	Accepted by:	Date	Time
[signature]	[signature]	02/02/26	14:57

11) Sampler (print name): KHOA NGUYEN Date: 02/02/26

Additional Notes

Comments, Notes, Special Requirements, HAZARDS

Indicate if low-level methods required to meet current groundwater standards (SPLP for soil):
- [ ] BN or BNA (8270E SIM)
- [ ] VOC (8260D 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: 2.7

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#

PROJECT MODIFICATIONS

Client: LANG-ELMPK **HC Project #:** 6020202
Project: Orange Plaza

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janee192.168.1.47
3/9/2026 12:23:36 PM

Per Keith McPartland via email on 2/2/26:

Client confirmed that SIM analysis is not needed since this project is for a NYSDEC site.

JW for TQ 3/9/26

CONDITION UPON RECEIPT

Batch Number AD58020 Entered By: maxwell
Date Entered 2/2/2026 3:05:00 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	T-432	<--- Thermometer ID. Please specify the Temperature inside the container (in degC). 2.7
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?

PRESERVATION DOCUMENT

Batch Number AD58020 Entered By: maxwell

Date Entered 2/2/2026 3:05:00 PM

Lab#:	Container Size	Container/Vial Check	Parameter	Preservative	Preservative Lot#	PH	pH Lot#
AD58020-001	40ML	G	VO	HCL	25C2662003	1.0	HC457271
AD58020-002	40ML	G	VO	HCL	NONE	1.0	HC457271
AD58020-003	40ML	G	VO	HCL	25C2662003	1.0	HC457271

Internal Chain of Custody

Lab#:	DateTime:	Loc or User	Bot Nu	A/M	Analysis
AD58020-001	02/02/26 14:57	MAXW	0	M	Received
AD58020-001	02/02/26 15:05	MAXW	0	M	Login
AD58020-001	02/02/26 17:51	R31	1	A	NONE
AD58020-001	02/02/26 17:51	R31	2	A	NONE
AD58020-001	02/03/26 11:35	MD	2	A	VOA
AD58020-001	02/02/26 17:51	R31	3	A	NONE
AD58020-001	02/03/26 16:29	WP	3	A	VOA
AD58020-001	02/02/26 17:51	R31	4	A	NONE
AD58020-001	02/02/26 17:51	R31	5	A	NONE
AD58020-002	02/02/26 14:57	MAXW	0	M	Received
AD58020-002	02/02/26 15:05	MAXW	0	M	Login
AD58020-002	02/02/26 17:51	R31	1	A	NONE
AD58020-002	02/05/26 14:21	MD	1	A	VOA
AD58020-002	02/02/26 17:51	R31	2	A	NONE
AD58020-002	02/03/26 11:35	MD	2	A	VOA
AD58020-002	02/02/26 17:51	R31	3	A	NONE
AD58020-002	02/03/26 16:29	WP	3	A	VOA
AD58020-002	02/02/26 17:51	R31	4	A	NONE
AD58020-002	02/02/26 17:51	R31	5	A	NONE
AD58020-003	02/02/26 14:57	MAXW	0	M	Received
AD58020-003	02/02/26 15:05	MAXW	0	M	Login
AD58020-003	02/02/26 17:51	R31	1	A	NONE
AD58020-003	02/02/26 17:51	R31	2	A	NONE
AD58020-003	02/03/26 16:29	WP	2	A	VOA
AD58020-003	02/02/26 17:51	R31	3	A	NONE
AD58020-003	02/02/26 17:51	R31	4	A	NONE
AD58020-003	02/03/26 11:35	MD	4	A	VOA
AD58020-003	02/02/26 17:51	R31	5	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: AD58020-001
Client Id: MW-1
Data File: 11M147853.D
Analysis Date: 02/03/26 13:16
Date Rec/Extracted: 02/02/26-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	**156-59-2**	**cis-1,2-Dichloroethene**	**1.0**	**1.6**
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	**2-Butanone**	**1.0**	**2.5**	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	**4-Methyl-2-Pentanone**	**1.0**	**2.3**	100-42-5	Styrene	1.0	U
67-64-1	**Acetone**	**5.0**	**14**	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	**156-60-5**	**trans-1,2-Dichloroethene**	**1.0**	**1.6**
75-27-4	Bromodichloromethane	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	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 usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD58020-001
Client Id: MW-1
Data File: 11M147853.D
Analysis Date: 02/03/26 13:16
Date Rec/Extracted: 02/02/26-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 826643

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

Quantitation Report (QT Reviewed)

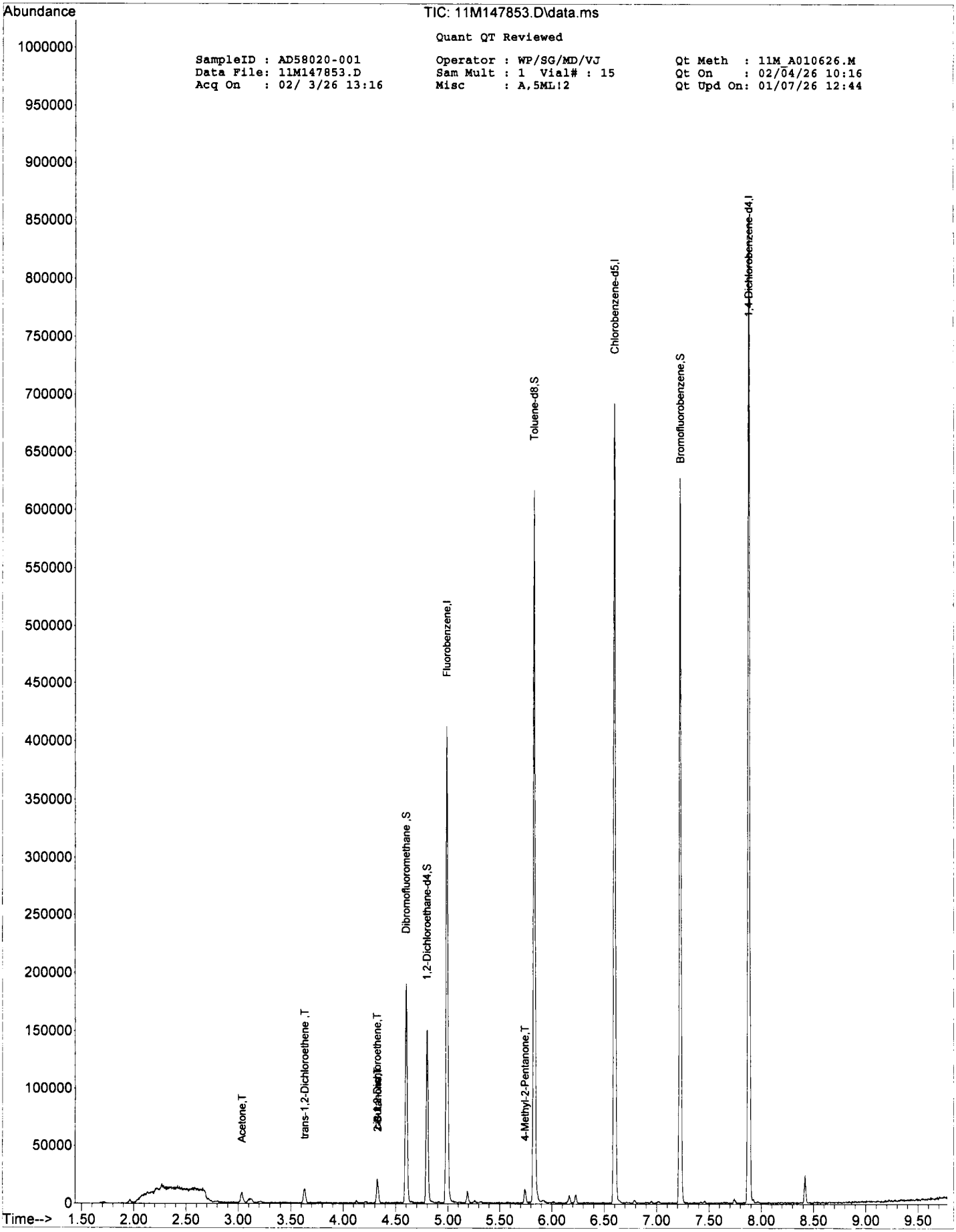
SampleID : AD58020-001 Operator : WP/SG/MD/VJ Qt Meth : 11M_A010626.M
Data File: 11M147853.D Sam Mult : 1 Vial# : 15 Qt On : 02/04/26 10:16
Acq On : 02/ 3/26 13:16 Misc : A,5ML!2 Qt Upd On: 01/07/26 12:44

Data Path : G:\GcMsData\2026\GCMS_11\Data\02-03-26\
Qt Path : G:\GcMsData\2026\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.990	96	232100	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.601	117	269884	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.881	152	174371	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.601	111	68886	32.87	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.57%			
38) 1,2-Dichloroethane-d4	4.800	67	35274	32.90	ug/l	0.00
Spiked Amount 30.000			Recovery = 109.67%			
65) Toluene-d8	5.832	98	266117	27.18	ug/l	0.00
Spiked Amount 30.000			Recovery = 90.60%			
75) Bromofluorobenzene	7.228	174	128264	29.01	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.70%			
Target Compounds						Qvalue
18) Acetone	3.035	43	8322	13.6112	ug/l	94
27) trans-1,2-Dichloroethene	3.633	96	4287	1.6128	ug/l	85
29) cis-1,2-Dichloroethene	4.324	61	6589	1.5964	ug/l	84
40) 2-Butanone	4.328	43	2194	2.5322	ug/l	97
62) 4-Methyl-2-Pentanone	5.742	43	5376	2.3167	ug/l	91

No Library Search Compounds Found

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


Abundance
TIC: 11M147853.D\data.ms
Quant QT Reviewed
SampleID : AD58020-001
Data File: 11M147853.D
Acq On : 02/ 3/26 13:16
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 15
Misc : A,5ML!2
Qt Meth : 11M_A010626.M
Qt On : 02/04/26 10:16
Qt Upd On: 01/07/26 12:44
Acetone,T
trans-1,2-Dichloroethene,T
Dibromofluoromethane,S
1,2-Dichloroethane-d4,S
Fluorobenzene,I
4-Methyl-2-Pentanone,T
Toluene-d8,S
Chlorobenzene-d5,I
Bromofluorobenzene,S
1,4-Dichlorobenzene-d4,I
Time-->

Form1

ORGANICS VOLATILE REPORT

Sample Number: AD58020-002
Client Id: FB-20260202
Data File: 11M147989.D
Analysis Date: 02/05/26 14:36
Date Rec/Extracted: 02/02/26-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 826643

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD58020-002
Client Id: FB-20260202
Data File: 11M147989.D
Analysis Date: 02/05/26 14:36
Date Rec/Extracted: 02/02/26-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 826643

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

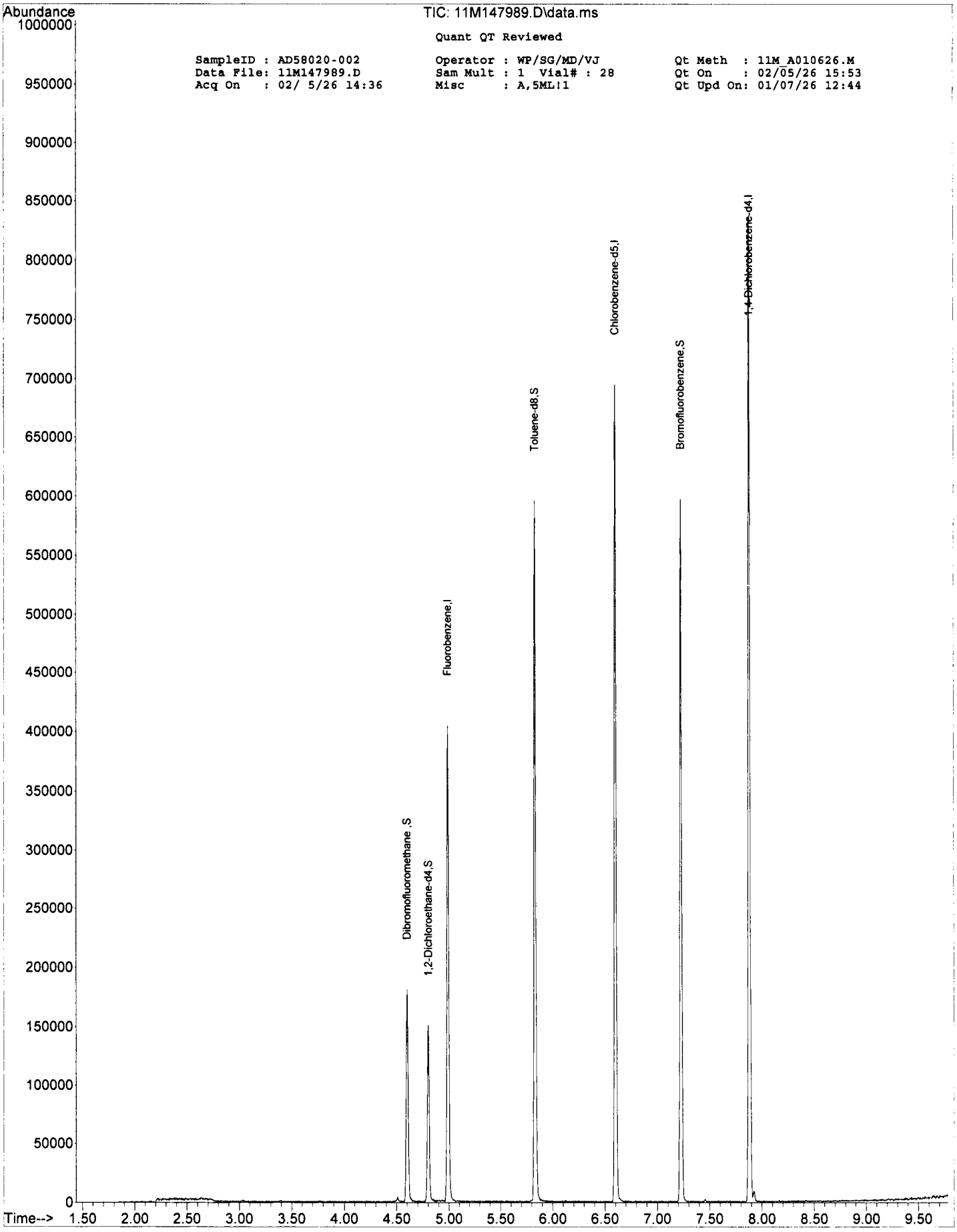
Quantitation Report (QT Reviewed)

SampleID : AD58020-002 Operator : WP/SG/MD/VJ Qt Meth : 11M_A010626.M
Data File: 11M147989.D Sam Mult : 1 Vial# : 28 Qt On : 02/05/26 15:53
Acq On : 02/ 5/26 14:36 Misc : A,5ML!1 Qt Upd On: 01/07/26 12:44

Data Path : G:\GcMsData\2026\GCMS_11\Data\02-05-26\
Qt Path : G:\GcMsData\2026\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.990	96	225197	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.601	117	268164	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.884	152	172231	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.601	111	67705	33.29	ug/l	0.00
Spiked Amount 30.000			Recovery = 110.97%			
38) 1,2-Dichloroethane-d4	4.803	67	33880	32.57	ug/l	0.00
Spiked Amount 30.000			Recovery = 108.57%			
65) Toluene-d8	5.832	98	266265	27.37	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.23%			
75) Bromofluorobenzene	7.228	174	126080	28.88	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.27%			
Target Compounds						Qvalue
No Library Search Compounds Found						

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


Abundance
TIC: 11M147989.D\data.ms
Quant QT Reviewed
SampleID : AD58020-002
Data File: 11M147989.D
Acq On : 02/ 5/26 14:36
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 28
Misc : A,5ML;1
Qt Meth : 11M_A010626.M
Qt On : 02/05/26 15:53
Qt Upd On: 01/07/26 12:44
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: AD58020-003
Client Id: TB-20260202
Data File: 11M147860.D
Analysis Date: 02/03/26 15:28
Date Rec/Extracted: 02/02/26-NA
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U
542-75-6	1,3-Dichloropropene (Total)	1.0	U	1330-20-7	Xylenes (Total)	1.0	U

Worksheet #: 826643

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 usea
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: AD58020-003
Client Id: TB-20260202
Data File: 11M147860.D
Analysis Date: 02/03/26 15:28
Date Rec/Extracted: 02/02/26-NA

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 826643

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

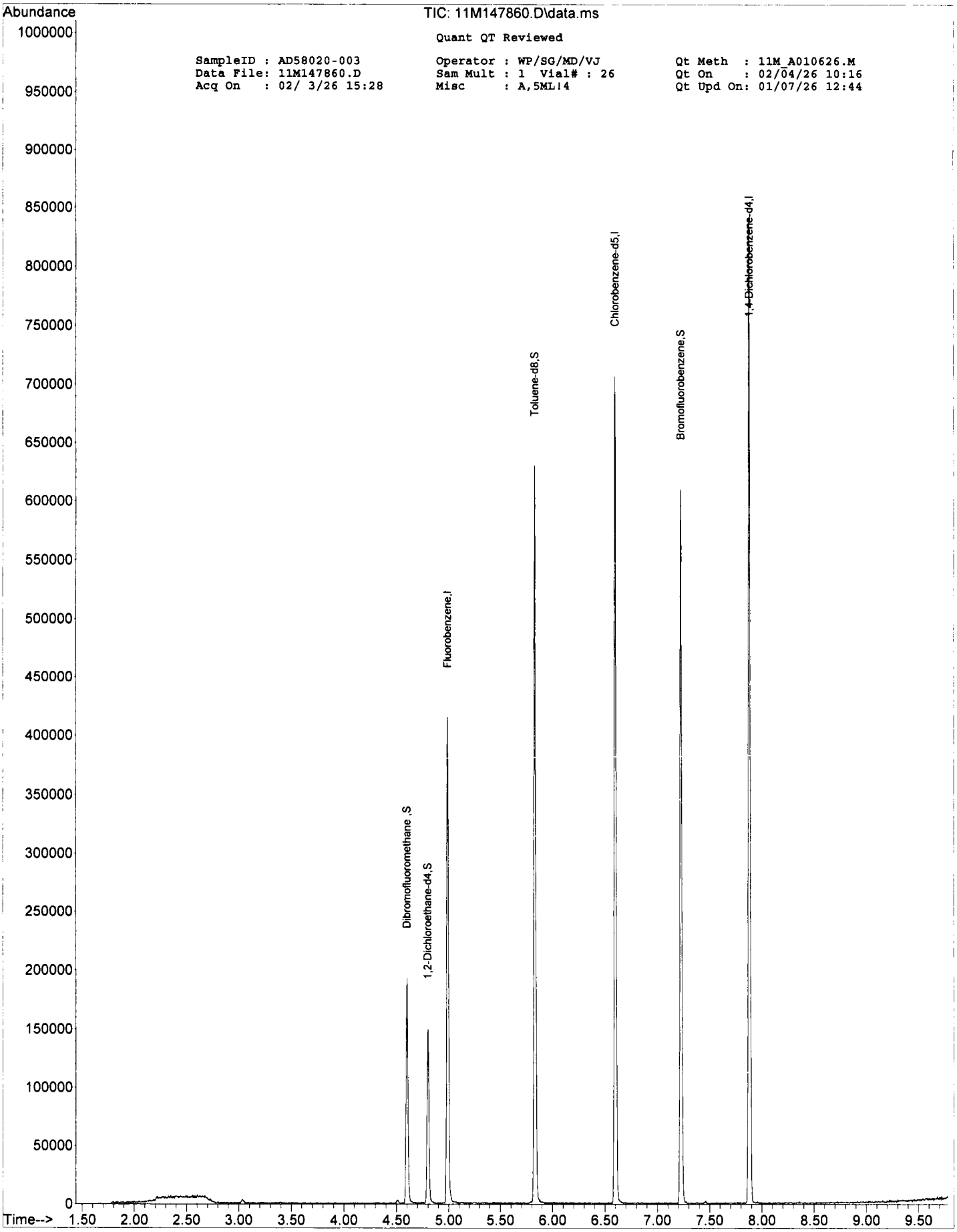
Quantitation Report (QT Reviewed)

SampleID : AD58020-003 Operator : WP/SG/MD/VJ Qt Meth : 11M_A010626.M
Data File: 11M147860.D Sam Mult : 1 Vial# : 26 Qt On : 02/04/26 10:16
Acq On : 02/ 3/26 15:28 Misc : A,5ML!4 Qt Upd On: 01/07/26 12:44

Data Path : G:\GcMsData\2026\GCMS_11\Data\02-03-26\
Qt Path : G:\GcMsData\2026\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.990	96	236078	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.601	117	273622	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.884	152	174717	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.601	111	70904	33.26	ug/l	0.00
Spiked Amount 30.000			Recovery =	110.87%		
38) 1,2-Dichloroethane-d4	4.800	67	35777	32.80	ug/l	0.00
Spiked Amount 30.000			Recovery =	109.33%		
65) Toluene-d8	5.832	98	272322	27.43	ug/l	0.00
Spiked Amount 30.000			Recovery =	91.43%		
75) Bromofluorobenzene	7.228	174	127723	28.84	ug/l	0.00
Spiked Amount 30.000			Recovery =	96.13%		
Target Compounds						Qvalue
No Library Search Compounds Found						

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


Abundance
TIC: 11M147860.D\data.ms
Quant QT Reviewed
SampleID : AD58020-003
Data File: 11M147860.D
Acq On : 02/ 3/26 15:28
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 26
Misc : A,5ML14
Qt Meth : 11M_A010626.M
Qt On : 02/04/26 10:16
Qt Upd On: 01/07/26 12:44
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: 11M147846.D
Analysis Date: 02/03/26 11:04
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 826643

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK
Client Id:
Data File: 11M147846.D
Analysis Date: 02/03/26 11:04
Date Rec/Extracted:

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 826643

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

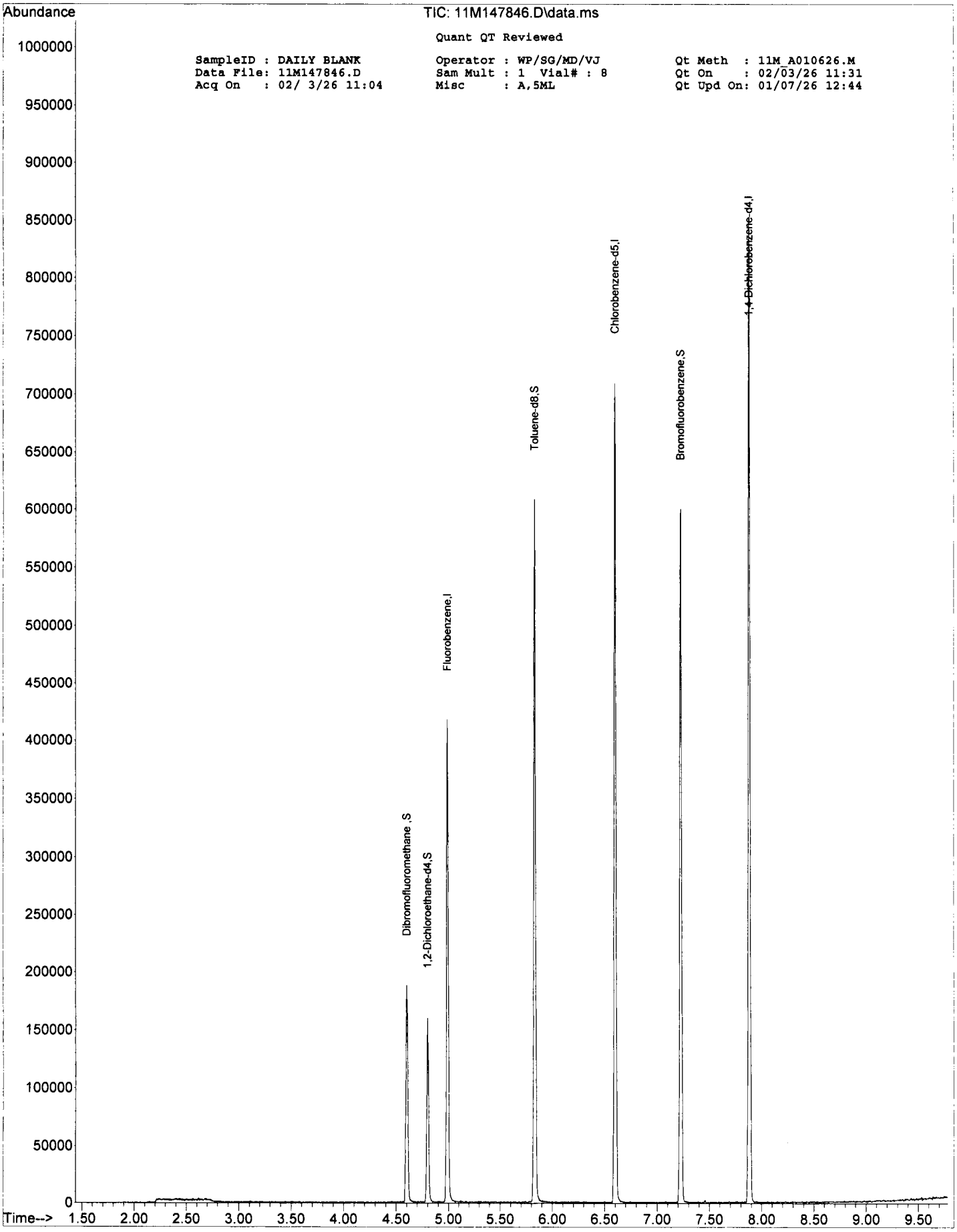
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP/SG/MD/VJ Qt Meth : 11M_A010626.M
Data File: 11M147846.D Sam Mult : 1 Vial# : 8 Qt On : 02/03/26 11:31
Acq On : 02/ 3/26 11:04 Misc : A,5ML Qt Upd On: 01/07/26 12:44

Data Path : G:\GcMsData\2026\GCMS_11\Data\02-03-26\
Qt Path : G:\GcMsData\2026\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.990	96	239114	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.601	117	273290	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.881	152	173858	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.601	111	73007	33.81	ug/l	0.00
Spiked Amount 30.000			Recovery = 112.70%			
38) 1,2-Dichloroethane-d4	4.800	67	35113	31.79	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.97%			
65) Toluene-d8	5.832	98	271679	27.40	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.33%			
75) Bromofluorobenzene	7.228	174	127777	28.99	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.63%			
Target Compounds						Qvalue
No Library Search Compounds Found						

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


Abundance
TIC: 11M147846.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M147846.D
Acq On : 02/ 3/26 11:04
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 8
Misc : A,5ML
Qt Meth : 11M_A010626.M
Qt On : 02/03/26 11:31
Qt Upd On: 01/07/26 12:44
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: 11M147970.D
Analysis Date: 02/05/26 08:36
Date Rec/Extracted:
Column: DB-624 25M 0.200mm ID 1.12um film

Method: EPA 8260D
Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids: 0

Units: ug/L

Cas #	Compound	RL	Conc	Cas #	Compound	RL	Conc
71-55-6	1,1,1-Trichloroethane	1.0	U	56-23-5	Carbon Tetrachloride	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	108-90-7	Chlorobenzene	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluor	1.0	U	75-00-3	Chloroethane	1.0	U
79-00-5	1,1,2-Trichloroethane	0.50	U	67-66-3	Chloroform	5.0	U
75-34-3	1,1-Dichloroethane	1.0	U	74-87-3	Chloromethane	1.0	U
75-35-4	1,1-Dichloroethene	1.0	U	156-59-2	cis-1,2-Dichloroethene	1.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U	10061-01-5	cis-1,3-Dichloropropene	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U	110-82-7	Cyclohexane	1.0	U
96-12-8	1,2-Dibromo-3-Chloropropa	1.0	U	124-48-1	Dibromochloromethane	1.0	U
106-93-4	1,2-Dibromoethane	1.0	U	75-71-8	Dichlorodifluoromethane	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U	100-41-4	Ethylbenzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U	98-82-8	Isopropylbenzene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U	79601-23-1	m&p-Xylenes	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U	79-20-9	Methyl Acetate	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U	108-87-2	Methylcyclohexane	1.0	U
123-91-1	1,4-Dioxane	50	U	75-09-2	Methylene Chloride	1.0	U
78-93-3	2-Butanone	1.0	U	1634-04-4	Methyl-t-butyl ether	0.53	U
591-78-6	2-Hexanone	1.0	U	95-47-6	o-Xylene	1.0	U
108-10-1	4-Methyl-2-Pentanone	1.0	U	100-42-5	Styrene	1.0	U
67-64-1	Acetone	5.0	U	127-18-4	Tetrachloroethene	1.0	U
71-43-2	Benzene	0.50	U	108-88-3	Toluene	1.0	U
74-97-5	Bromochloromethane	1.0	U	156-60-5	trans-1,2-Dichloroethene	1.0	U
75-27-4	Bromodichloromethane	0.50	U	10061-02-6	trans-1,3-Dichloropropene	1.0	U
75-25-2	Bromoform	1.0	U	79-01-6	Trichloroethene	1.0	U
74-83-9	Bromomethane	1.0	U	75-69-4	Trichlorofluoromethane	1.0	U
75-15-0	Carbon Disulfide	1.0	U	75-01-4	Vinyl Chloride	1.0	U

Worksheet #: 826643

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
Chlordane (Total) is sum of a-Chlordane and y-Chlordane.

Form1e

ORGANICS VOLATILE REPORT
Tentatively Identified Compounds

Sample Number: DAILY BLANK
Client Id:
Data File: 11M147970.D
Analysis Date: 02/05/26 08:36
Date Rec/Extracted:

Matrix: Aqueous
Initial Vol: 5ml
Final Vol: NA
Dilution: 1.00
Solids:
Method: EPA 8260D

Units: ug/L

	Cas #	Compound	RT	Conc
1		No Unknown Compounds Detected	0.00	0 J

Worksheet #: 826643

Total Tentatively Identified Concentration 0

A - Indicates an aldol condensate.
J - Indicates an estimated value.
B - Indicates the analyte was found in the blank as well as in the sample.
Y - Indicates the analyte was found in the blank at <10% of the concentration of the sample.
<10% - Indicates the analyte was found in the blank at < 10% of nearest Internal Standard

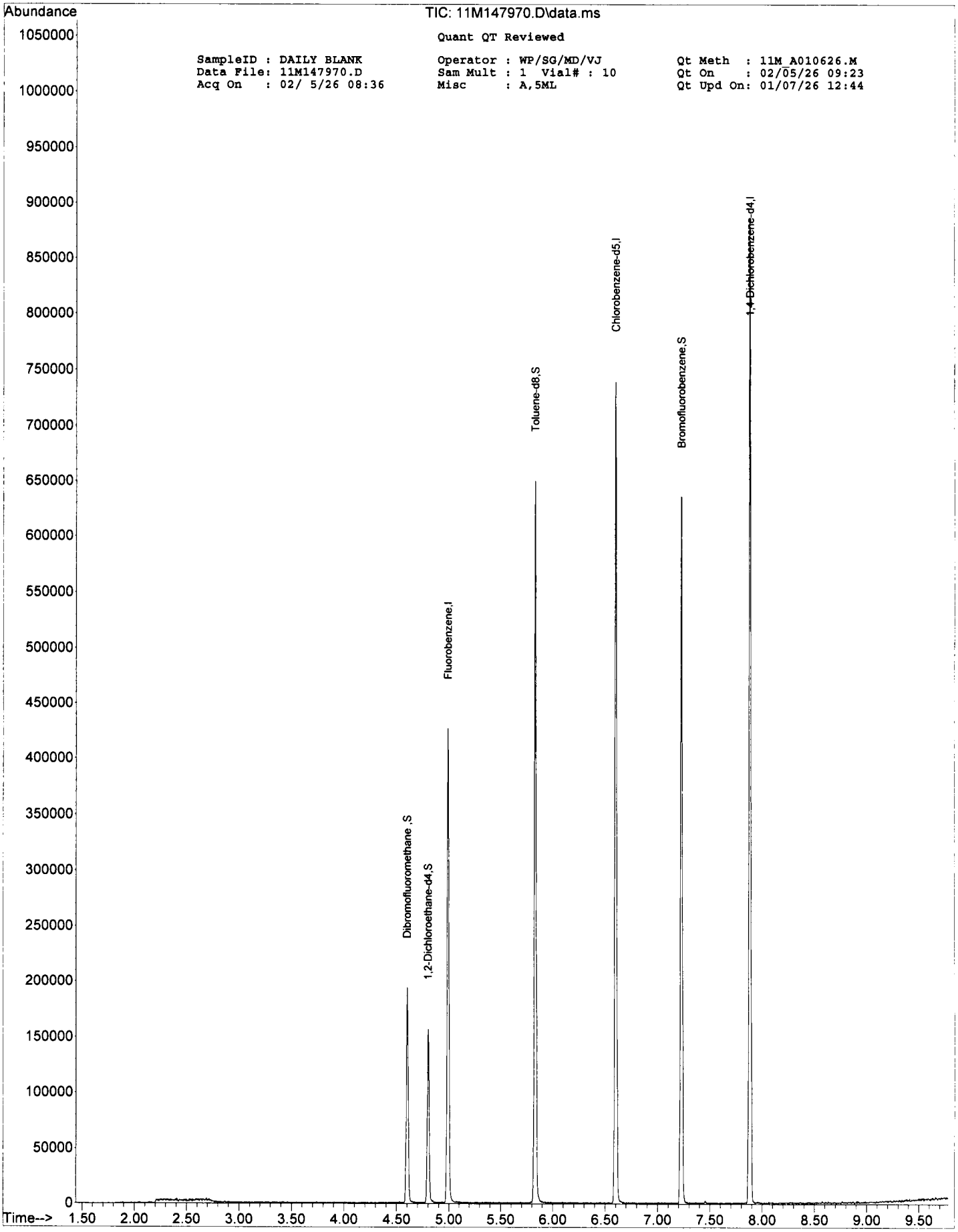
Quantitation Report (QT Reviewed)

SampleID : DAILY BLANK Operator : WP/SG/MD/VJ Qt Meth : 11M_A010626.M
Data File: 11M147970.D Sam Mult : 1 Vial# : 10 Qt On : 02/05/26 09:23
Acq On : 02/ 5/26 08:36 Misc : A,5ML Qt Upd On: 01/07/26 12:44

Data Path : G:\GcMsData\2026\GCMS_11\Data\02-05-26\
Qt Path : G:\GcMsData\2026\GCMS_11\MethodQt\
Qt Resp Via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
4) Fluorobenzene	4.990	96	246587	30.00	ug/l	0.00
51) Chlorobenzene-d5	6.601	117	286644	30.00	ug/l	0.00
69) 1,4-Dichlorobenzene-d4	7.884	152	182551	30.00	ug/l	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	4.601	111	70245	31.55	ug/l	0.00
Spiked Amount 30.000			Recovery = 105.17%			
38) 1,2-Dichloroethane-d4	4.800	67	35857	31.48	ug/l	0.00
Spiked Amount 30.000			Recovery = 104.93%			
65) Toluene-d8	5.832	98	283900	27.30	ug/l	0.00
Spiked Amount 30.000			Recovery = 91.00%			
75) Bromofluorobenzene	7.228	174	134342	29.03	ug/l	0.00
Spiked Amount 30.000			Recovery = 96.77%			
Target Compounds						Qvalue
No Library Search Compounds Found						

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


Abundance
TIC: 11M147970.D\data.ms
Quant QT Reviewed
SampleID : DAILY BLANK
Data File: 11M147970.D
Acq On : 02/ 5/26 08:36
Operator : WP/SG/MD/VJ
Sam Mult : 1 Vial# : 10
Misc : A,5ML
Qt Meth : 11M_A010626.M
Qt On : 02/05/26 09:23
Qt Upd On: 01/07/26 12:44
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
1M147846.D	DAILY BLANK	A	02/03/26 11:04	1		113	106	91	97		
1M147970.D	DAILY BLANK	A	02/05/26 08:36	1		105	105	91	97		
1M147853.D	AD58020-001	A	02/03/26 13:16	1		110	110	91	97		
1M147989.D	AD58020-002	A	02/05/26 14:36	1		111	109	91	96		
1M147860.D	AD58020-003	A	02/03/26 15:28	1		111	109	91	96		
1M147848.D	AD57975-001(T)	A	02/03/26 11:41	1		115	113	90	97		
1M147851.D	MBS129919	A	02/03/26 12:39	1		105	104	95	98		
1M147857.D	AD57975-001(T:MS)	A	02/03/26 14:32	1		109	102	93	97		
1M147858.D	AD57975-001(T:MSD)	A	02/03/26 14:50	1		108	103	93	100		
1M147972.D	MBS129939	A	02/05/26 09:14	1		106	104	92	97		

Flags: SD=Surrogate diluted out
*=Surrogate out

Method: EPA 8260D

Aqueous Laboratory Limits

Compound	Spike Amt	Limits
S1=Dibromofluoromethane	30	82-120
S2=1,2-Dichloroethane-d4	30	81-123
S3=Toluene-d8	30	75-121
S4=Bromofluorobenzene	30	77-125

Form3
Recovery Data Laboratory Limits
QC Batch: MBS129919

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M147851.D	MBS129919	2/3/2026 12:39:00 PM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	7.8191	0	20	39	16	181
Dichlorodifluoromethane	1	9.5691	0	20	48	10	202
Chloromethane	1	13.2719	0	20	66	10	182
Bromomethane	1	12.9336	0	20	65	10	172
Vinyl Chloride	1	15.2413	0	20	76	26	176
Chloroethane	1	15.1307	0	20	76	28	165
Trichlorofluoromethane	1	17.8342	0	20	89	18	178
Ethyl ether	1	19.1902	0	20	96	38	155
Furan	1	19.1665	0	20	96	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	22.3138	0	20	112	32	178
Methylene Chloride	1	18.2049	0	20	91	10	225
Acrolein	1	96.7589	0	100	97	10	183
Acrylonitrile	1	19.3203	0	20	97	40	164
Acetone	1	89.3203	0	100	89	10	237
Carbon Disulfide	1	20.7774	0	20	104	10	194
t-Butyl Alcohol	1	93.488	0	100	93	21	185
n-Hexane	1	22.5873	0	20	113	43	179
Di-isopropyl-ether	1	18.6972	0	20	93	47	159
1,1-Dichloroethene	1	19.5197	0	20	98	42	172
Methyl Acetate	1	18.8964	0	20	94	10	192
Methyl-t-butyl ether	1	18.919	0	20	95	43	154
1,1-Dichloroethane	1	19.1147	0	20	96	48	160
trans-1,2-Dichloroethene	1	18.2051	0	20	91	37	171
Ethyl-t-butyl ether	1	18.1932	0	20	91	53	149
cis-1,2-Dichloroethene	1	18.693	0	20	93	45	161
Bromochloromethane	1	21.6912	0	20	108	42	170
2,2-Dichloropropane	1	22.0332	0	20	110	33	173
Ethyl acetate	1	19.3059	0	20	97	38	156
1,4-Dioxane	1	932.7112	0	1000	93	18	186
1,1-Dichloropropene	1	19.3805	0	20	97	51	157
Chloroform	1	19.3281	0	20	97	47	157
Cyclohexane	1	20.9796	0	20	105	41	175
1,2-Dichloroethane	1	18.6993	0	20	93	43	154
2-Butanone	1	17.6732	0	20	88	20	188
1,1,1-Trichloroethane	1	19.9023	0	20	100	49	155
Carbon Tetrachloride	1	20.1742	0	20	101	47	159
Vinyl Acetate	1	20.0416	0	20	100	31	160
Bromodichloromethane	1	19.757	0	20	99	48	152
Methylcyclohexane	1	20.6533	0	20	103	47	167
Dibromomethane	1	18.9078	0	20	95	47	153
1,2-Dichloropropane	1	18.5812	0	20	93	53	153
Trichloroethene	1	18.1388	0	20	91	45	165
Benzene	1	19.3411	0	20	97	41	163
tert-Amyl methyl ether	1	18.2329	0	20	91	51	146
Iso-propylacetate	1	17.4206	0	20	87	37	153
Methyl methacrylate	1	16.312	0	20	82	40	160
Dibromochloromethane	1	18.1546	0	20	91	50	144
2-Chloroethylvinylether	1	18.195	0	20	91	10	201
cis-1,3-Dichloropropene	1	17.6032	0	20	88	49	146
trans-1,3-Dichloropropene	1	17.4162	0	20	87	48	144
Ethyl methacrylate	1	17.1091	0	20	86	38	160
1,1,2-Trichloroethane	1	17.2498	0	20	86	52	146
1,2-Dibromoethane	1	16.4789	0	20	82	55	140
1,3-Dichloropropane	1	17.3103	0	20	87	54	142
4-Methyl-2-Pentanone	1	16.3887	0	20	82	41	158
2-Hexanone	1	18.0419	0	20	90	39	163
Tetrachloroethene	1	17.3773	0	20	87	48	162
Toluene	1	16.7318	0	20	84	49	153
1,1,1,2-Tetrachloroethane	1	17.0794	0	20	85	51	140
Chlorobenzene	1	16.7138	0	20	84	43	155
n-Butyl acrylate	1	16.595	0	20	83	21	181

* - 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: MBS129919

Method: 8260D	Matrix: Aqueous			Units: ug/L	QC Type: MBS		
Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Amyl acetate	1	18.7146	0	20	94	20	182
Bromoform	**1**	**17.3524**	**0**	**20**	**87**	**47**	**137**
Ethylbenzene	**1**	**16.7592**	**0**	**20**	**84**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**16.7827**	**0**	**20**	**84**	**36**	**152**
Styrene	**1**	**16.6037**	**0**	**20**	**83**	**34**	**170**
m&p-Xylenes	**1**	**32.7938**	**0**	**40**	**82**	**16**	**184**
o-Xylene	**1**	**15.9829**	**0**	**20**	**80**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	16.262	0	20	81	10	154
1,3-Dichlorobenzene	**1**	**15.7101**	**0**	**20**	**79**	**46**	**147**
1,4-Dichlorobenzene	**1**	**15.86**	**0**	**20**	**79**	**37**	**156**
1,2-Dichlorobenzene	**1**	**15.6557**	**0**	**20**	**78**	**42**	**150**
Isopropylbenzene	**1**	**16.2038**	**0**	**20**	**81**	**32**	**174**
Cyclohexanone	1	31.2226	0	100	31	10	254
1,2,3-Trichloropropane	1	16.3972	0	20	82	20	164
2-Chlorotoluene	1	14.9084	0	20	75	43	153
4-Chlorotoluene	1	16.8226	0	20	84	34	160
n-Propylbenzene	1	15.744	0	20	79	30	176
Bromobenzene	1	15.0099	0	20	75	44	142
1,3,5-Trimethylbenzene	1	15.1448	0	20	76	37	165
Butyl methacrylate	1	16.4563	0	20	82	30	169
t-Butylbenzene	1	16.0116	0	20	80	48	162
1,2,4-Trimethylbenzene	1	15.5247	0	20	78	38	162
sec-Butylbenzene	1	15.797	0	20	79	42	164
4-Isopropyltoluene	1	15.6869	0	20	78	40	162
n-Butylbenzene	1	16.1613	0	20	81	30	176
1,2,4,5-Tetramethylbenzene	1	16.0575	0	20	80	18	177
1,2-Dibromo-3-Chloropropane	**1**	**16.8708**	**0**	**20**	**84**	**32**	**154**
Hexachlorobutadiene	1	15.439	0	20	77	23	181
1,2,4-Trichlorobenzene	**1**	**15.4004**	**0**	**20**	**77**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**15.8878**	**0**	**20**	**79**	**30**	**172**
Naphthalene	1	15.7209	0	20	79	13	191

* - 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: MBS129919

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M147857.D	AD57975-001(T:MS)	2/3/2026 2:32:00 PM
Non Spike(If applicable):	11M147848.D	AD57975-001(T)	2/3/2026 11:41:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	16.2362	0	20	81	16	181
Dichlorodifluoromethane	1	10.7472	0	20	54	10	202
Chloromethane	1	14.9659	0	20	75	10	182
Bromomethane	1	11.1667	0	20	56	10	172
Vinyl Chloride	1	18.1678	0	20	91	26	176
Chloroethane	1	17.8164	0	20	89	28	165
Trichlorofluoromethane	1	20.2502	0	20	101	18	178
Ethyl ether	1	24.163	0	20	121	38	155
Furan	1	22.4091	0	20	112	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	24.7413	0	20	124	32	178
Methylene Chloride	1	35.3932	0	20	177	10	225
Acrolein	1	88.696	0	100	89	10	183
Acrylonitrile	1	23.0056	0	20	115	40	164
Acetone	1	143.4345	0	100	143	10	237
Carbon Disulfide	1	25.5115	0	20	128	10	194
t-Butyl Alcohol	1	132.0972	0	100	132	21	185
n-Hexane	1	26.1456	0	20	131	43	179
Di-isopropyl-ether	1	20.833	0	20	104	47	159
1,1-Dichloroethene	1	22.2415	0	20	111	42	172
Methyl Acetate	1	24.391	0	20	122	10	192
Methyl-t-butyl ether	1	21.8269	0	20	109	43	154
1,1-Dichloroethane	1	21.5894	0	20	108	48	160
trans-1,2-Dichloroethene	1	21.6083	0	20	108	37	171
Ethyl-t-butyl ether	1	21.0649	0	20	105	53	149
cis-1,2-Dichloroethene	1	21.5924	0	20	108	45	161
Bromochloromethane	1	5.3602	0	20	27*	42	170
2,2-Dichloropropane	1	24.5658	0	20	123	33	173
Ethyl acetate	1	21.1501	0	20	106	38	156
1,4-Dioxane	1	1280.974	0	1000	128	18	186
1,1-Dichloropropene	1	22.3682	0	20	112	51	157
Chloroform	1	21.8354	0	20	109	47	157
Cyclohexane	1	24.1864	0	20	121	41	175
1,2-Dichloroethane	1	22.0249	0	20	110	43	154
2-Butanone	1	25.5297	0	20	128	20	188
1,1,1-Trichloroethane	1	23.4586	0	20	117	49	155
Carbon Tetrachloride	1	23.6258	0	20	118	47	159
Vinyl Acetate	1	17.1253	0	20	86	31	160
Bromodichloromethane	1	22.7058	0	20	114	48	152
Methylcyclohexane	1	24.1563	0	20	121	47	167
Dibromomethane	1	21.189	0	20	106	47	153
1,2-Dichloropropane	1	21.3998	0	20	107	53	153
Trichloroethene	1	22.4764	0	20	112	45	165
Benzene	1	22.4631	0	20	112	41	163
tert-Amyl methyl ether	1	21.0409	0	20	105	51	146
Iso-propylacetate	1	19.2731	0	20	96	37	153
Methyl methacrylate	1	17.5566	0	20	88	40	160
Dibromochloromethane	1	20.4617	0	20	102	50	144
2-Chloroethylvinylether	1	17.5904	0	20	88	10	201
cis-1,3-Dichloropropene	1	19.6435	0	20	98	49	146
trans-1,3-Dichloropropene	1	19.5896	0	20	98	48	144
Ethyl methacrylate	1	19.9827	0	20	100	38	160
1,1,2-Trichloroethane	1	19.277	0	20	96	52	146
1,2-Dibromoethane	1	19.5207	0	20	98	55	140
1,3-Dichloropropane	1	19.5059	0	20	98	54	142
4-Methyl-2-Pentanone	1	20.1811	0	20	101	41	158
2-Hexanone	1	21.0346	0	20	105	39	163
Tetrachloroethene	1	19.5512	0	20	98	48	156
Toluene	1	18.4884	0	20	92	49	153
1,1,1,2-Tetrachloroethane	1	18.9442	0	20	95	51	140
Chlorobenzene	1	18.9556	0	20	95	43	155
n-Butyl acrylate	1	18.9521	0	20	95	21	181

* - 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: MBS129919

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Amyl acetate	1	20.2008	0	20	101	20	182
Bromoform	**1**	**20.041**	**0**	**20**	**100**	**47**	**137**
Ethylbenzene	**1**	**17.9658**	**0**	**20**	**90**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**18.1542**	**0**	**20**	**91**	**36**	**152**
Styrene	**1**	**18.2871**	**0**	**20**	**91**	**34**	**170**
m&p-Xylenes	**1**	**36.3732**	**0**	**40**	**91**	**16**	**184**
o-Xylene	**1**	**18.5906**	**0**	**20**	**93**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	15.1423	0	20	76	10	154
1,3-Dichlorobenzene	**1**	**18.0541**	**0**	**20**	**90**	**46**	**147**
1,4-Dichlorobenzene	**1**	**17.7771**	**0**	**20**	**89**	**37**	**156**
1,2-Dichlorobenzene	**1**	**17.7326**	**0**	**20**	**89**	**42**	**150**
Isopropylbenzene	**1**	**18.5583**	**0**	**20**	**93**	**32**	**174**
Cyclohexanone	1	139.1869	0	100	139	10	254
1,2,3-Trichloropropane	1	18.1312	0	20	91	20	164
2-Chlorotoluene	1	17.3555	0	20	87	43	153
4-Chlorotoluene	1	18.3986	0	20	92	34	160
n-Propylbenzene	1	17.8692	0	20	89	36	170
Bromobenzene	1	18.9348	0	20	95	44	142
1,3,5-Trimethylbenzene	1	17.3945	0	20	87	37	165
Butyl methacrylate	1	18.7108	0	20	94	30	169
t-Butylbenzene	1	18.2929	0	20	91	48	152
1,2,4-Trimethylbenzene	1	16.2017	0	20	81	38	162
sec-Butylbenzene	1	18.0347	0	20	90	42	164
4-Isopropyltoluene	1	18.7006	0	20	94	40	162
n-Butylbenzene	1	19.0656	0	20	95	30	176
1,2,4,5-Tetramethylbenzene	1	18.9418	0	20	95	18	177
1,2-Dibromo-3-Chloropropane	**1**	**20.4954**	**0**	**20**	**102**	**32**	**154**
Hexachlorobutadiene	1	19.4905	0	20	97	23	181
1,2,4-Trichlorobenzene	**1**	**18.0377**	**0**	**20**	**90**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**17.9802**	**0**	**20**	**90**	**30**	**172**
Naphthalene	1	15.418	0	20	77	13	191

* - 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: MBS129919

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M147858.D	AD57975-001(T:MSD)	2/3/2026 2:50:00 PM
Non Spike(If applicable):	11M147848.D	AD57975-001(T)	2/3/2026 11:41:00 AM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	13.5248	0	20	68	16	181
Dichlorodifluoromethane	1	8.936	0	20	45	10	202
Chloromethane	1	12.4196	0	20	62	10	182
Bromomethane	1	9.6432	0	20	48	10	172
Vinyl Chloride	1	14.3734	0	20	72	26	176
Chloroethane	1	15.6403	0	20	78	28	165
Trichlorofluoromethane	1	17.0692	0	20	85	18	178
Ethyl ether	1	21.5712	0	20	108	38	155
Furan	1	19.1221	0	20	96	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.944	0	20	110	32	178
Methylene Chloride	1	30.5313	0	20	153	10	225
Acrolein	1	74.9932	0	100	75	10	183
Acrylonitrile	1	19.1801	0	20	96	40	164
Acetone	1	122.7544	0	100	123	10	237
Carbon Disulfide	1	20.2673	0	20	101	10	194
t-Butyl Alcohol	1	105.3888	0	100	105	21	185
n-Hexane	1	21.1604	0	20	106	43	179
Di-isopropyl-ether	1	18.4881	0	20	92	47	159
1,1-Dichloroethene	1	18.3685	0	20	92	42	172
Methyl Acetate	1	21.9199	0	20	110	10	192
Methyl-t-butyl ether	1	19.1109	0	20	96	43	154
1,1-Dichloroethane	1	18.7831	0	20	94	48	160
trans-1,2-Dichloroethene	1	17.5305	0	20	88	37	171
Ethyl-t-butyl ether	1	18.631	0	20	93	53	149
cis-1,2-Dichloroethene	1	18.303	0	20	92	45	161
Bromochloromethane	1	21.3779	0	20	107	42	170
2,2-Dichloropropane	1	20.2212	0	20	101	33	173
Ethyl acetate	1	16.5476	0	20	83	38	156
1,4-Dioxane	1	1061.312	0	1000	106	18	186
1,1-Dichloropropene	1	18.5932	0	20	93	51	157
Chloroform	1	18.9514	0	20	95	47	157
Cyclohexane	1	19.6251	0	20	98	41	175
1,2-Dichloroethane	1	19.1671	0	20	96	43	154
2-Butanone	1	22.7476	0	20	114	20	188
1,1,1-Trichloroethane	1	19.3404	0	20	97	49	155
Carbon Tetrachloride	1	19.7035	0	20	99	47	159
Vinyl Acetate	1	14.4051	0	20	72	31	160
Bromodichloromethane	1	19.1983	0	20	96	48	152
Methylcyclohexane	1	20.1789	0	20	101	47	167
Dibromomethane	1	18.8962	0	20	94	47	153
1,2-Dichloropropane	1	18.8498	0	20	94	53	153
Trichloroethene	1	18.4812	0	20	92	45	165
Benzene	1	18.818	0	20	94	41	163
tert-Amyl methyl ether	1	18.3476	0	20	92	51	146
Iso-propylacetate	1	16.5275	0	20	83	37	153
Methyl methacrylate	1	17.6383	0	20	88	40	160
Dibromochloromethane	1	17.434	0	20	87	50	144
2-Chloroethylvinylether	1	15.5015	0	20	78	10	201
cis-1,3-Dichloropropene	1	16.9597	0	20	85	49	146
trans-1,3-Dichloropropene	1	16.9555	0	20	85	48	144
Ethyl methacrylate	1	16.3848	0	20	82	38	160
1,1,2-Trichloroethane	1	16.7621	0	20	84	52	146
1,2-Dibromoethane	1	16.4943	0	20	82	55	140
1,3-Dichloropropane	1	16.4775	0	20	82	54	142
4-Methyl-2-Pentanone	1	17.2628	0	20	86	41	158
2-Hexanone	1	18.478	0	20	92	39	163
Tetrachloroethene	1	16.3373	0	20	82	48	156
Toluene	1	15.6673	0	20	78	49	153
1,1,1,2-Tetrachloroethane	1	16.2783	0	20	81	51	140
Chlorobenzene	1	15.9357	0	20	80	43	155
n-Butyl acrylate	1	15.8587	0	20	79	21	181

* - 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: MBS129919

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Amyl acetate	1	17.2237	0	20	86	20	182
Bromoform	**1**	**17.3725**	**0**	**20**	**87**	**47**	**137**
Ethylbenzene	**1**	**15.3746**	**0**	**20**	**77**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**15.4069**	**0**	**20**	**77**	**36**	**152**
Styrene	**1**	**15.4877**	**0**	**20**	**77**	**34**	**170**
m&p-Xylenes	**1**	**30.7738**	**0**	**40**	**77**	**16**	**184**
o-Xylene	**1**	**15.6235**	**0**	**20**	**78**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	14.0232	0	20	70	10	154
1,3-Dichlorobenzene	**1**	**15.0869**	**0**	**20**	**75**	**46**	**147**
1,4-Dichlorobenzene	**1**	**15.5232**	**0**	**20**	**78**	**37**	**156**
1,2-Dichlorobenzene	**1**	**15.5345**	**0**	**20**	**78**	**42**	**150**
Isopropylbenzene	**1**	**15.5583**	**0**	**20**	**78**	**32**	**174**
Cyclohexanone	1	118.8383	0	100	119	10	254
1,2,3-Trichloropropane	1	16.0321	0	20	80	20	164
2-Chlorotoluene	1	14.7647	0	20	74	43	153
4-Chlorotoluene	1	15.2556	0	20	76	34	160
n-Propylbenzene	1	15.1202	0	20	76	36	170
Bromobenzene	1	14.7185	0	20	74	44	142
1,3,5-Trimethylbenzene	1	14.8388	0	20	74	37	165
Butyl methacrylate	1	16.6081	0	20	83	30	169
t-Butylbenzene	1	15.2433	0	20	76	48	152
1,2,4-Trimethylbenzene	1	13.7714	0	20	69	38	162
sec-Butylbenzene	1	15.4197	0	20	77	42	164
4-Isopropyltoluene	1	15.8189	0	20	79	40	162
n-Butylbenzene	1	16.0815	0	20	80	30	176
1,2,4,5-Tetramethylbenzene	1	15.7701	0	20	79	18	177
1,2-Dibromo-3-Chloropropane	**1**	**17.8806**	**0**	**20**	**89**	**32**	**154**
Hexachlorobutadiene	1	16.5037	0	20	83	23	181
1,2,4-Trichlorobenzene	**1**	**15.2807**	**0**	**20**	**76**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**15.7955**	**0**	**20**	**79**	**30**	**172**
Naphthalene	1	12.9755	0	20	65	13	191

* - 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: MBS129919

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M147858.D	AD57975-001(T:MSD)	2/3/2026 2:50:00 PM
Duplicate(If applicable):	11M147857.D	AD57975-001(T:MS)	2/3/2026 2:32:00 PM
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
Chlorodifluoromethane	1	13.5248	16.2362	18	78
Dichlorodifluoromethane	1	8.936	10.7472	18	62
Chloromethane	1	12.4196	14.9659	19	67
Bromomethane	1	9.6432	11.1667	15	65
Vinyl Chloride	1	14.3734	18.1678	23	55
Chloroethane	1	15.6403	17.8164	13	59
Trichlorofluoromethane	1	17.0692	20.2502	17	56
Ethyl ether	1	21.5712	24.163	11	55
Furan	1	19.1221	22.4091	16	55
1,1,2-Trichloro-1,2,2-trifluoroethane	1	21.944	24.7413	12	58
Methylene Chloride	1	30.5313	35.3932	15	36
Acrolein	1	74.9932	88.696	17	66
Acrylonitrile	1	19.1801	23.0056	18	59
Acetone	1	122.7544	143.4345	16	85
Carbon Disulfide	1	20.2673	25.5115	23	61
t-Butyl Alcohol	1	105.3888	132.0972	22	78
n-Hexane	1	21.1604	26.1456	21	56
Di-isopropyl-ether	1	18.4881	20.833	12	54
1,1-Dichloroethene	1	18.3685	22.2415	19	56
Methyl Acetate	1	21.9199	24.391	11	71
Methyl-t-butyl ether	1	19.1109	21.8269	13	53
1,1-Dichloroethane	1	18.7831	21.5894	14	54
trans-1,2-Dichloroethene	1	17.5305	21.6083	21	54
Ethyl-t-butyl ether	1	18.631	21.0649	12	53
cis-1,2-Dichloroethene	1	18.303	21.5924	16	53
Bromochloromethane	1	21.3779	5.3602	120*	54
2,2-Dichloropropane	1	20.2212	24.5658	19	55
Ethyl acetate	1	16.5476	21.1501	24	56
1,4-Dioxane	1	1061.312	1280.974	19	95
1,1-Dichloropropene	1	18.5932	22.3682	18	54
Chloroform	1	18.9514	21.8354	14	53
Cyclohexane	1	19.6251	24.1864	21	55
1,2-Dichloroethane	1	19.1671	22.0249	14	52
2-Butanone	1	22.7476	25.5297	12	58
1,1,1-Trichloroethane	1	19.3404	23.4586	19	54
Carbon Tetrachloride	1	19.7035	23.6258	18	54
Vinyl Acetate	1	14.4051	17.1253	17	55
Bromodichloromethane	1	19.1983	22.7058	17	53
Methylcyclohexane	1	20.1789	24.1563	18	55
Dibromomethane	1	18.8962	21.189	11	53
1,2-Dichloropropane	1	18.8498	21.3998	13	53
Trichloroethene	1	18.4812	22.4764	20	54
Benzene	1	18.818	22.4631	18	52
tert-Amyl methyl ether	1	18.3476	21.0409	14	52
Iso-propylacetate	1	16.5275	19.2731	15	54
Methyl methacrylate	1	17.6383	17.5566	0.46	55
Dibromochloromethane	1	17.434	20.4617	16	52
2-Chloroethylvinylether	1	15.5015	17.5904	13	224
cis-1,3-Dichloropropene	1	16.9597	19.6435	15	53
trans-1,3-Dichloropropene	1	16.9555	19.5896	14	53
Ethyl methacrylate	1	16.3848	19.9827	20	55
1,1,2-Trichloroethane	1	16.7621	19.277	14	52
1,2-Dibromoethane	1	16.4943	19.5207	17	52
1,3-Dichloropropane	1	16.4775	19.5059	17	53
4-Methyl-2-Pentanone	1	17.2628	20.1811	16	69
2-Hexanone	1	18.478	21.0346	13	54
Tetrachloroethene	1	16.3373	19.5512	18	53
Toluene	1	15.6673	18.4884	17	53
1,1,1,2-Tetrachloroethane	1	16.2783	18.9442	15	53
Chlorobenzene	1	15.9357	18.9556	17	53
n-Butyl acrylate	1	15.8587	18.9521	18	72

* - 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: MBS129919

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MSD

Analyte:	Column	Dup/MSD/MBSD Conc	Sample/MS/MBS Conc	RPD	Limit
n-Amyl acetate	1	17.2237	20.2008	16	72
Bromoform	**1**	**17.3725**	**20.041**	**14**	**54**
Ethylbenzene	**1**	**15.3746**	**17.9658**	**16**	**57**
1,1,2,2-Tetrachloroethane	**1**	**15.4069**	**18.1542**	**16**	**58**
Styrene	**1**	**15.4877**	**18.2871**	**17**	**56**
m&p-Xylenes	**1**	**30.7738**	**36.3732**	**17**	**107**
o-Xylene	**1**	**15.6235**	**18.5906**	**17**	**55**
trans-1,4-Dichloro-2-butene	1	14.0232	15.1423	7.7	71
1,3-Dichlorobenzene	**1**	**15.0869**	**18.0541**	**18**	**53**
1,4-Dichlorobenzene	**1**	**15.5232**	**17.7771**	**14**	**68**
1,2-Dichlorobenzene	**1**	**15.5345**	**17.7326**	**13**	**53**
Isopropylbenzene	**1**	**15.5583**	**18.5583**	**18**	**53**
Cyclohexanone	1	118.8383	139.1869	16	77
1,2,3-Trichloropropane	1	16.0321	18.1312	12	54
2-Chlorotoluene	1	14.7647	17.3555	16	55
4-Chlorotoluene	1	15.2556	18.3986	19	55
n-Propylbenzene	1	15.1202	17.8692	17	51
Bromobenzene	1	14.7185	18.9348	25	72
1,3,5-Trimethylbenzene	1	14.8388	17.3945	16	56
Butyl methacrylate	1	16.6081	18.7108	12	83
t-Butylbenzene	1	15.2433	18.2929	18	70
1,2,4-Trimethylbenzene	1	13.7714	16.2017	16	72
sec-Butylbenzene	1	15.4197	18.0347	16	54
4-Isopropyltoluene	1	15.8189	18.7006	17	69
n-Butylbenzene	1	16.0815	19.0656	17	55
1,2,4,5-Tetramethylbenzene	1	15.7701	18.9418	18	51
1,2-Dibromo-3-Chloropropane	**1**	**17.8806**	**20.4954**	**14**	**56**
Hexachlorobutadiene	1	16.5037	19.4905	17	69
1,2,4-Trichlorobenzene	**1**	**15.2807**	**18.0377**	**17**	**87**
1,2,3-Trichlorobenzene	**1**	**15.7955**	**17.9802**	**13**	**81**
Naphthalene	1	12.9755	15.418	17	80

* - 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: MBS129939

	Data File	Sample ID:	Analysis Date
Spike or Dup:	11M147972.D	MBS129939	2/5/2026 9:14:00 AM
Non Spike(If applicable):			
Inst Blank(If applicable):			

Method: 8260D Matrix: Aqueous Units: ug/L QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
Chlorodifluoromethane	1	22.6833	0	20	113	16	181
Dichlorodifluoromethane	1	7.9218	0	20	40	10	202
Chloromethane	1	11.9577	0	20	60	10	182
Bromomethane	1	13.212	0	20	66	10	172
Vinyl Chloride	1	13.788	0	20	69	26	176
Chloroethane	1	14.2892	0	20	71	28	165
Trichlorofluoromethane	1	16.3682	0	20	82	18	178
Ethyl ether	1	18.6556	0	20	93	38	155
Furan	1	18.9115	0	20	95	31	160
1,1,2-Trichloro-1,2,2-trifluoroethane	1	20.9397	0	20	105	32	178
Methylene Chloride	1	17.7955	0	20	89	10	225
Acrolein	1	91.7801	0	100	92	10	183
Acrylonitrile	1	19.1392	0	20	96	40	164
Acetone	1	94.4466	0	100	94	10	237
Carbon Disulfide	1	18.6119	0	20	93	10	194
t-Butyl Alcohol	1	110.5185	0	100	111	21	185
n-Hexane	1	20.9022	0	20	105	43	179
Di-isopropyl-ether	1	18.0475	0	20	90	47	159
1,1-Dichloroethene	1	18.131	0	20	91	42	172
Methyl Acetate	1	18.8951	0	20	94	10	192
Methyl-t-butyl ether	1	18.5785	0	20	93	43	154
1,1-Dichloroethane	1	18.6306	0	20	93	48	160
trans-1,2-Dichloroethene	1	17.462	0	20	87	37	171
Ethyl-t-butyl ether	1	18.1778	0	20	91	53	149
cis-1,2-Dichloroethene	1	18.2532	0	20	91	45	161
Bromochloromethane	1	21.1221	0	20	106	42	170
2,2-Dichloropropane	1	21.0721	0	20	105	33	173
Ethyl acetate	1	18.2437	0	20	91	38	156
1,4-Dioxane	1	1029.496	0	1000	103	18	186
1,1-Dichloropropene	1	17.967	0	20	90	51	157
Chloroform	1	18.3263	0	20	92	47	157
Cyclohexane	1	19.9693	0	20	100	41	175
1,2-Dichloroethane	1	18.5778	0	20	93	43	154
2-Butanone	1	20.4671	0	20	102	20	188
1,1,1-Trichloroethane	1	19.0288	0	20	95	49	155
Carbon Tetrachloride	1	18.6361	0	20	93	47	159
Vinyl Acetate	1	10.6852	0	20	53	31	160
Bromodichloromethane	1	18.3801	0	20	92	48	152
Methylcyclohexane	1	19.7095	0	20	99	47	167
Dibromomethane	1	17.96	0	20	90	47	153
1,2-Dichloropropane	1	18.1738	0	20	91	53	153
Trichloroethene	1	17.2417	0	20	86	45	165
Benzene	1	18.5266	0	20	93	41	163
tert-Amyl methyl ether	1	18.0277	0	20	90	51	146
Iso-propylacetate	1	16.6528	0	20	83	37	153
Methyl methacrylate	1	16.6239	0	20	83	40	160
Dibromochloromethane	1	16.7398	0	20	84	50	144
2-Chloroethylvinylether	1	18.9188	0	20	95	10	201
cis-1,3-Dichloropropene	1	16.5674	0	20	83	49	146
trans-1,3-Dichloropropene	1	16.3113	0	20	82	48	144
Ethyl methacrylate	1	16.5104	0	20	83	38	160
1,1,2-Trichloroethane	1	16.1583	0	20	81	52	146
1,2-Dibromoethane	1	16.1862	0	20	81	55	140
1,3-Dichloropropane	1	16.4873	0	20	82	54	142
4-Methyl-2-Pentanone	1	16.4029	0	20	82	41	158
2-Hexanone	1	16.807	0	20	84	39	163
Tetrachloroethene	1	15.9704	0	20	80	48	162
Toluene	1	15.6268	0	20	78	49	153
1,1,1,2-Tetrachloroethane	1	15.8183	0	20	79	51	140
Chlorobenzene	1	15.6995	0	20	78	43	155
n-Butyl acrylate	1	16.4811	0	20	82	21	181

* - 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: MBS129939

Method: 8260D | Matrix: Aqueous | Units: ug/L | QC Type: MBS

Analyte:	Col	Spike Conc	Sample Conc	Expected Conc	Recovery	Lower Limit	Upper Limit
n-Amyl acetate	1	17.7336	0	20	89	20	182
Bromoform	**1**	**16.5181**	**0**	**20**	**83**	**47**	**137**
Ethylbenzene	**1**	**14.6769**	**0**	**20**	**73**	**41**	**153**
1,1,2,2-Tetrachloroethane	**1**	**16.4205**	**0**	**20**	**82**	**36**	**152**
Styrene	**1**	**15.8872**	**0**	**20**	**79**	**34**	**170**
m&p-Xylenes	**1**	**31.3816**	**0**	**40**	**78**	**16**	**184**
o-Xylene	**1**	**15.8799**	**0**	**20**	**79**	**31**	**166**
trans-1,4-Dichloro-2-butene	1	17.5781	0	20	88	10	154
1,3-Dichlorobenzene	**1**	**15.2154**	**0**	**20**	**76**	**46**	**147**
1,4-Dichlorobenzene	**1**	**15.5134**	**0**	**20**	**78**	**37**	**156**
1,2-Dichlorobenzene	**1**	**15.1478**	**0**	**20**	**76**	**42**	**150**
Isopropylbenzene	**1**	**15.2094**	**0**	**20**	**76**	**32**	**174**
Cyclohexanone	1	38.3294	0	100	38	10	254
1,2,3-Trichloropropane	1	16.5387	0	20	83	20	164
2-Chlorotoluene	1	14.4814	0	20	72	43	153
4-Chlorotoluene	1	16.3263	0	20	82	34	160
n-Propylbenzene	1	14.9962	0	20	75	30	176
Bromobenzene	1	15.929	0	20	80	44	142
1,3,5-Trimethylbenzene	1	14.3999	0	20	72	37	165
Butyl methacrylate	1	15.532	0	20	78	30	169
t-Butylbenzene	1	15.1255	0	20	76	48	162
1,2,4-Trimethylbenzene	1	14.7372	0	20	74	38	162
sec-Butylbenzene	1	14.8896	0	20	74	42	164
4-Isopropyltoluene	1	15.0844	0	20	75	40	162
n-Butylbenzene	1	15.1977	0	20	76	30	176
1,2,4,5-Tetramethylbenzene	1	15.3725	0	20	77	18	177
1,2-Dibromo-3-Chloropropane	**1**	**16.0384**	**0**	**20**	**80**	**32**	**154**
Hexachlorobutadiene	1	14.4303	0	20	72	23	181
1,2,4-Trichlorobenzene	**1**	**14.9675**	**0**	**20**	**75**	**28**	**169**
1,2,3-Trichlorobenzene	**1**	**15.3196**	**0**	**20**	**77**	**30**	**172**
Naphthalene	1	14.9609	0	20	75	13	191

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

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M147846.D
Matrix: Aqueous

Blank Analysis Date: 02/03/26 11:04
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD58020-001	11M147853.D	02/03/26 13:16
AD58020-003	11M147860.D	02/03/26 15:28
AD57975-001(T:M	11M147858.D	02/03/26 14:50
AD57975-001(T:M	11M147857.D	02/03/26 14:32
MBS129919	11M147851.D	02/03/26 12:39
AD57975-001(T)	11M147848.D	02/03/26 11:41

FORM 4
Blank Summary

Blank Number: DAILY BLANK
Blank Data File: 11M147970.D
Matrix: Aqueous

Blank Analysis Date: 02/05/26 08:36
Blank Extraction Date: NA
(If Applicable)
Method: EPA 8260D

Sample Number	Data File	Analysis Date
AD58020-002	11M147989.D	02/05/26 14:36
MBS129939	11M147972.D	02/05/26 09:14

Form 5

Tune Name: BFB TUNE **Data File:** 11M146528.
Instrument: GCMS 11 **Analysis Date:** 01/06/26 14:58
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.218 to 7.225 min

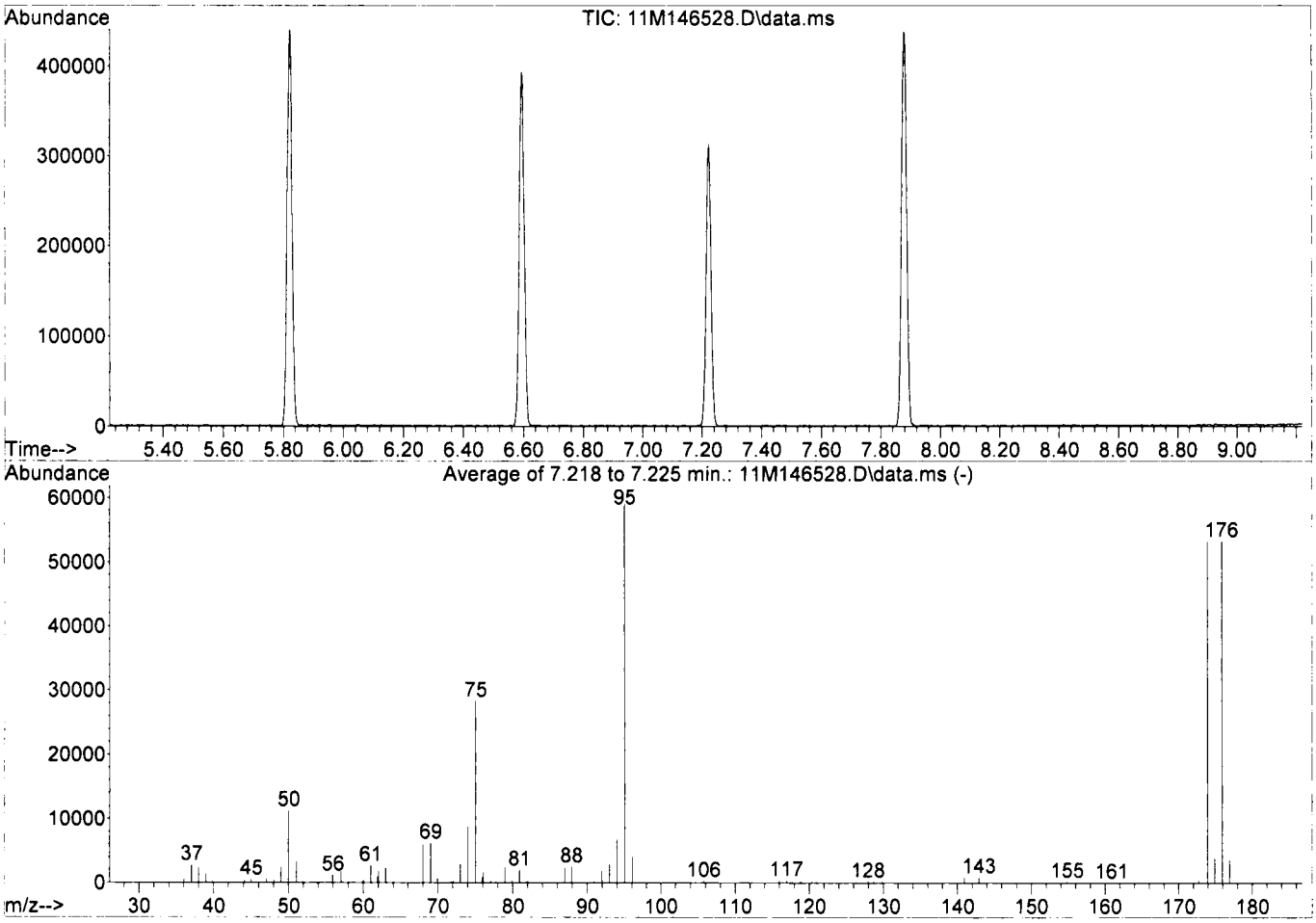
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	19.1	11289	PASS
75	95	30	60	47.9	28275	PASS
95	95	100	100	100.0	59013	PASS
96	95	5	9	7.0	4119	PASS
173	174	0.00	2	0.7	373	PASS
174	95	50	100	90.2	53211	PASS
175	174	5	9	7.3	3887	PASS
176	174	95	101	100.1	53272	PASS
177	176	5	9	6.7	3555	PASS

Data File	Sample Number	Analysis Date:
11M146531.D	CAL @ 1 PPB	01/06/26 15:48
11M146532.D	CAL @ 20 PPB	01/06/26 16:07
11M146533.D	500 PPB	01/06/26 16:26
11M146535.D	500 PPB	01/06/26 17:04
11M146537.D	250 PPB	01/06/26 17:42
11M146540.D	CAL @ 100 PPB	01/06/26 18:38
11M146547.D	CAL @ 0.5 PPB	01/06/26 20:49
11M146548.D	CAL @ 5 PPB	01/06/26 21:08
11M146549.D	CAL @ 10 PPB	01/06/26 21:27
11M146550.D	CAL @ 50 PPB	01/06/26 21:46
11M146553.D	ICV	01/06/26 22:42
11M146560.D	DAILY BLANK	01/07/26 00:54
11M146561.D	DAILY BLANK	01/07/26 01:13
11M146562.D	MDL @ 1 PPB	01/07/26 01:31
11M146563.D	MDL @ 1 PPB	01/07/26 01:50
11M146566.D	57476-001QC	01/07/26 02:46
11M146567.D	57476-004	01/07/26 03:05
11M146568.D	57461-013	01/07/26 03:24
11M146569.D	57461-014	01/07/26 03:42
11M146570.D	57461-015	01/07/26 04:01
11M146571.D	57461-016	01/07/26 04:20
11M146572.D	57461-017	01/07/26 04:39
11M146573.D	57461-018	01/07/26 04:58
11M146574.D	57461-019	01/07/26 05:17
11M146575.D	57461-020	01/07/26 05:36
11M146576.D	57461-020(MS)	01/07/26 05:55
11M146577.D	57461-020(MSD)	01/07/26 06:14
11M146578.D	57390-031	01/07/26 06:33
11M146579.D	57390-032	01/07/26 06:51
11M146580.D	57390-033	01/07/26 07:10
11M146581.D	57390-034	01/07/26 07:29
11M146582.D	57390-035	01/07/26 07:48
11M146583.D	57390-036	01/07/26 08:07
11M146584.D	57390-037	01/07/26 08:26
11M146585.D	57390-038	01/07/26 08:45

Data Path : G:\GcMsData\2026\GCMS_11\Data\01-06-26\
Data File : 11M146528.D
Acq On : 6 Jan 2026 14:58
Operator : WP/SG/MD/VJ
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2025\GCMS_11\MethodQt\11M_A1210.M
Title : @GCMS_11,ug,624,8260
Last Update : Fri Dec 26 11:26:43 2025



Spectrum Information: Average of 7.218 to 7.225 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	11289	PASS
75	95	30	60	47.9	28275	PASS
95	95	100	100	100.0	59013	PASS
96	95	5	9	7.0	4119	PASS
173	174	0.00	2	0.7	373	PASS
174	95	50	100	90.2	53211	PASS
175	174	5	9	7.3	3887	PASS
176	174	95	101	100.1	53272	PASS
177	176	5	9	6.7	3555	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 11M147840.
Instrument: GCMS 11 **Analysis Date:** 02/03/26 09:17
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.218 to 7.225 min

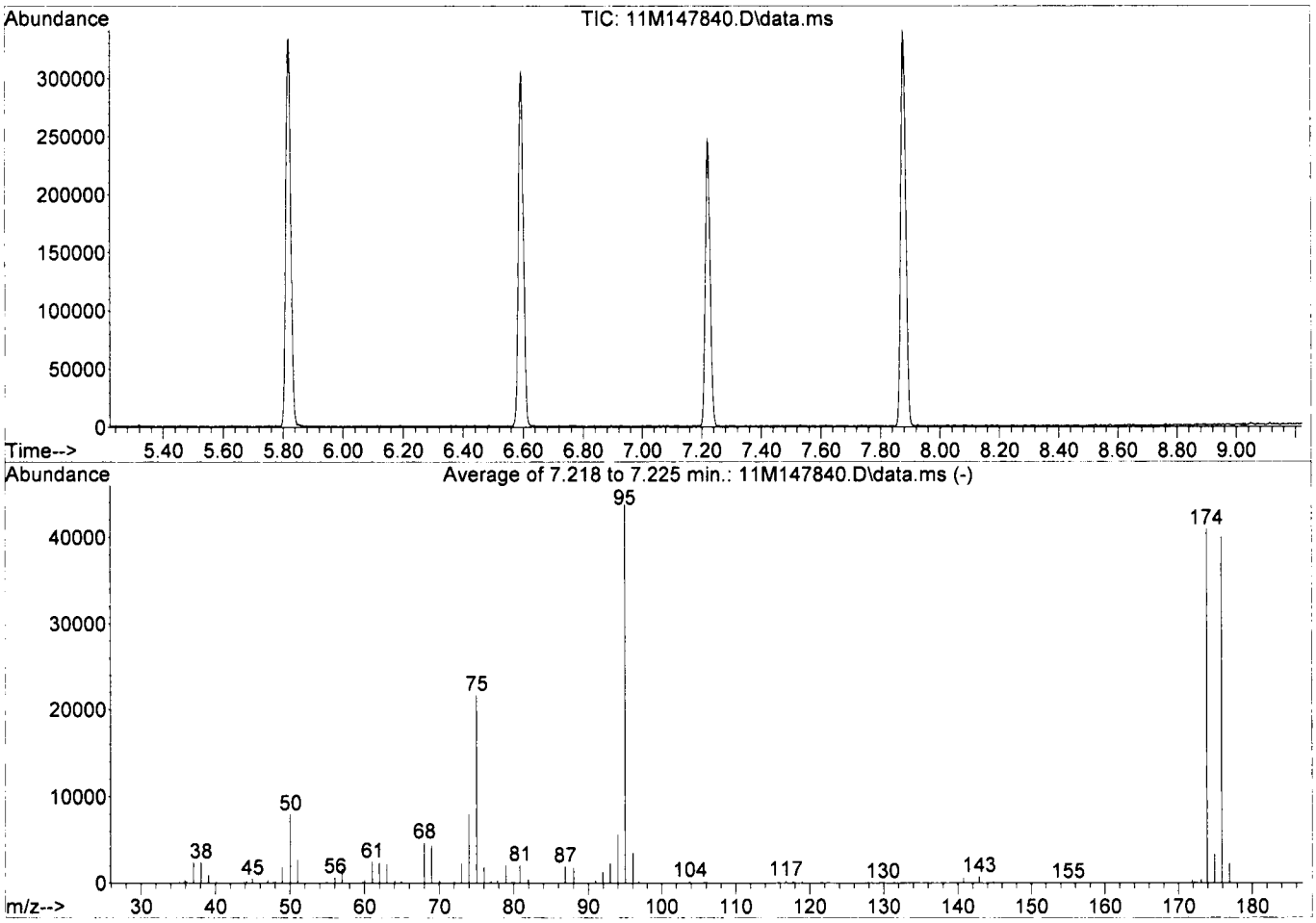
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.2	7984	PASS
75	95	30	60	49.6	21715	PASS
95	95	100	100	100.0	43771	PASS
96	95	5	9	8.0	3481	PASS
173	174	0.00	2	1.1	440	PASS
174	95	50	100	93.6	40968	PASS
175	174	5	9	8.1	3331	PASS
176	174	95	101	97.7	40040	PASS
177	176	5	9	5.7	2294	PASS

Data File	Sample Number	Analysis Date:
11M147842.D	CAL @ 20 PPB	02/03/26 09:48
11M147844.D	RINSE	02/03/26 10:26
11M147845.D	DAILY BLANK	02/03/26 10:45
11M147846.D	DAILY BLANK	02/03/26 11:04
11M147847.D	AD58019-010	02/03/26 11:22
11M147848.D	AD57975-001(T)	02/03/26 11:41
11M147849.D	AD58019-002(10X)	02/03/26 12:01
11M147850.D	AD58019-002	02/03/26 12:20
11M147851.D	MBS129919	02/03/26 12:39
11M147852.D	DI	02/03/26 12:58
11M147853.D	AD58020-001	02/03/26 13:16
11M147854.D	AD58024-003	02/03/26 13:35
11M147855.D	AD58024-002	02/03/26 13:54
11M147856.D	AD58024-001	02/03/26 14:13
11M147857.D	AD57975-001(T:M	02/03/26 14:32
11M147858.D	AD57975-001(T:M	02/03/26 14:50
11M147859.D	AD58020-002	02/03/26 15:09
11M147860.D	AD58020-003	02/03/26 15:28
11M147861.D	57660-001	02/03/26 15:47
11M147862.D	MBS129923	02/03/26 16:06
11M147863.D	AD58019-011	02/03/26 16:25
11M147864.D	AD58019-012	02/03/26 16:44
11M147865.D	AD58019-013	02/03/26 17:03
11M147866.D	AD58019-014	02/03/26 17:22
11M147867.D	AD57975-002(T)	02/03/26 17:41
11M147868.D	AD57975-003(T)	02/03/26 18:00
11M147869.D	AD57975-004(T)	02/03/26 18:18
11M147870.D	AD57975-005(T)	02/03/26 18:37
11M147871.D	AD57975-006(T)	02/03/26 18:56
11M147872.D	AD57975-007(T)	02/03/26 19:15
11M147873.D	AD57975-008(T)	02/03/26 19:34
11M147874.D	EF-3V-456463(013	02/03/26 19:53
11M147875.D	A-3	02/03/26 20:12

Data Path : G:\GcMsData\2026\GCMS_11\Data\02-03-26\
Data File : 11M147840.D
Acq On : 3 Feb 2026 9:17
Operator : WP/SG/MD/VJ
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 1 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2026\GCMS_11\MethodQt\11M_A010626.M
Title : @GCMS_11,ug,624,8260
Last Update : Wed Jan 07 11:37:11 2026



Spectrum Information: Average of 7.218 to 7.225 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.2	7984	PASS
75	95	30	60	49.6	21715	PASS
95	95	100	100	100.0	43771	PASS
96	95	5	9	8.0	3481	PASS
173	174	0.00	2	1.1	440	PASS
174	95	50	100	93.6	40968	PASS
175	174	5	9	8.1	3331	PASS
176	174	95	101	97.7	40040	PASS
177	176	5	9	5.7	2294	PASS

Form 5

Tune Name: BFB TUNE **Data File:** 11M147965.
Instrument: GCMS 11 **Analysis Date:** 02/05/26 07:08
Method: EPA 8260D

Tune Scan/Time Range: Average of 7.218 to 7.225 min

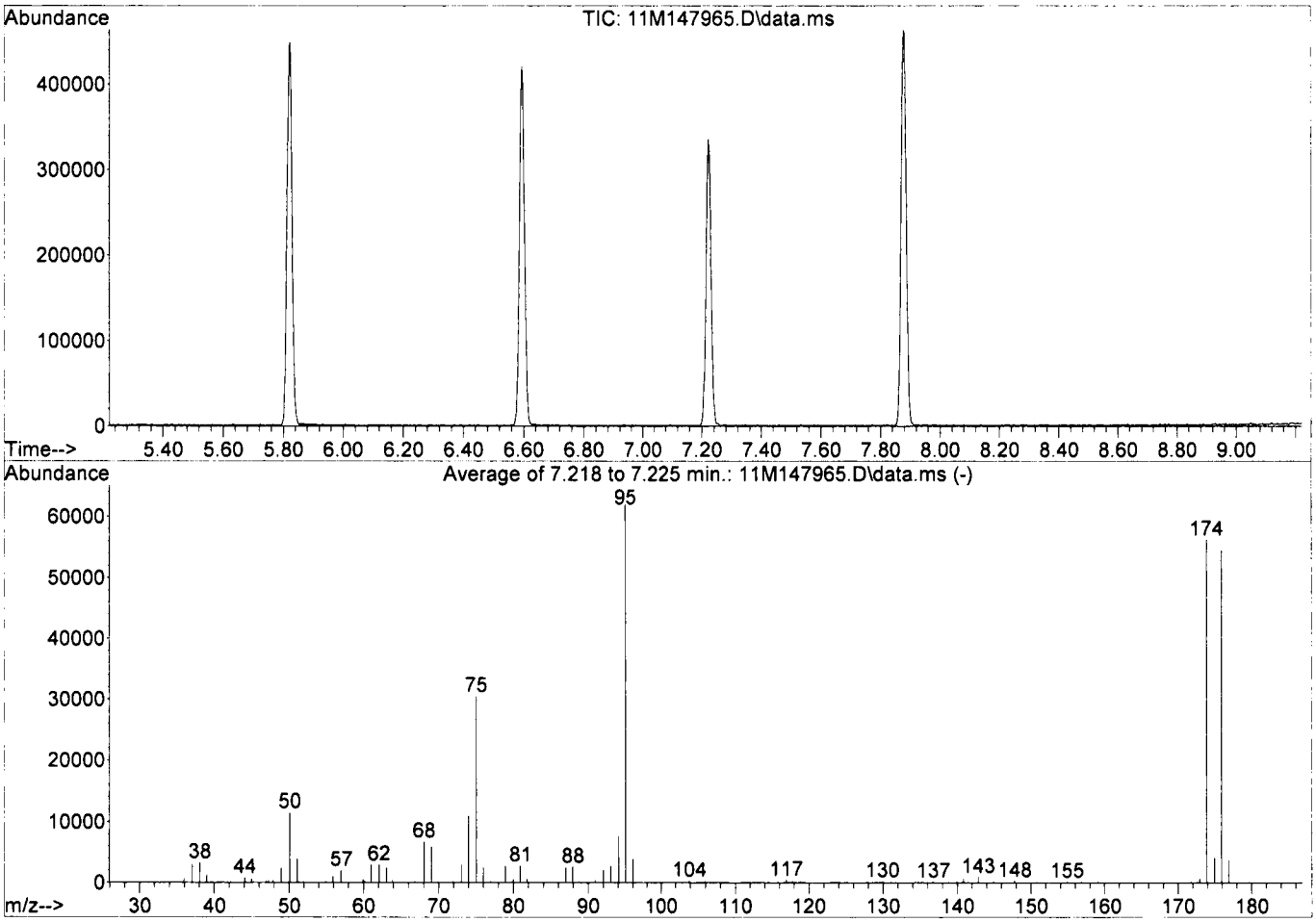
Tgt Mass	Rel Mass	Lo Lim	Hi Lim	Rel Abund	Raw Abund	Pass/ Fail
50	95	15	40	18.5	11479	PASS
75	95	30	60	49.2	30485	PASS
95	95	100	100	100.0	62011	PASS
96	95	5	9	6.3	3921	PASS
173	174	0.00	2	1.1	636	PASS
174	95	50	100	90.7	56237	PASS
175	174	5	9	7.4	4136	PASS
176	174	95	101	96.9	54507	PASS
177	176	5	9	6.8	3689	PASS

Data File	Sample Number	Analysis Date:
11M147966.D	CAL @ 20 PPB	02/05/26 07:20
11M147967.D	20 PPB	02/05/26 07:39
11M147968.D	DI	02/05/26 07:58
11M147969.D	DAILY BLANK	02/05/26 08:17
11M147970.D	DAILY BLANK	02/05/26 08:36
11M147971.D	AD58074-001	02/05/26 08:55
11M147972.D	MBS129939	02/05/26 09:14
11M147973.D	AD58070-001	02/05/26 09:33
11M147974.D	AD58079-009	02/05/26 09:52
11M147975.D	58075-001(10X)	02/05/26 10:11
11M147976.D	MBS129943	02/05/26 10:30
11M147978.D	AD58079-009(MS)	02/05/26 11:08
11M147979.D	AD58079-009(MSD	02/05/26 11:27
11M147980.D	AD58011-002(50X)	02/05/26 11:46
11M147981.D	AD58077-007	02/05/26 12:04
11M147982.D	AD58077-008	02/05/26 12:23
11M147983.D	AD58073-001	02/05/26 12:43
11M147984.D	AD58011-002(50X)	02/05/26 13:02
11M147985.D	AD58011-002(50X)	02/05/26 13:21
11M147986.D	AD58063-005	02/05/26 13:40
11M147987.D	AD58063-006	02/05/26 13:59
11M147988.D	AD58046-011	02/05/26 14:17
11M147989.D	AD58020-002	02/05/26 14:36
11M147990.D	AD58046-013	02/05/26 14:55
11M147991.D	AD58063-001	02/05/26 15:14
11M147992.D	AD58063-002	02/05/26 15:33
11M147993.D	AD58063-003	02/05/26 15:52
11M147994.D	AD58063-004	02/05/26 16:11
11M147995.D	EF-1-V-458387(020	02/05/26 16:30
11M147996.D	AD58084-014	02/05/26 16:49
11M147997.D	AD58046-001	02/05/26 17:08
11M147998.D	AD58046-003	02/05/26 17:27
11M147999.D	AD58046-005	02/05/26 17:46
11M148000.D	AD58046-007	02/05/26 18:05
11M148001.D	AD58046-009	02/05/26 18:24
11M148002.D	AD58075-001(5X)	02/05/26 18:43

Data Path : G:\GcMsData\2026\GCMS_11\Data\02-05-26\
Data File : 11M147965.D
Acq On : 5 Feb 2026 7:08
Operator : WP/SG/MD/VJ
Sample : BFB TUNE
Misc : A,5ML
ALS Vial : 5 Sample Multiplier: 1

Integration File: RTEINT.P

Method : G:\GcMsData\2026\GCMS_11\MethodQt\11M_A010626.M
Title : @GCMS_11,ug,624,8260
Last Update : Wed Jan 07 11:37:11 2026



Spectrum Information: Average of 7.218 to 7.225 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.5	11479	PASS
75	95	30	60	49.2	30485	PASS
95	95	100	100	100.0	62011	PASS
96	95	5	9	6.3	3921	PASS
173	174	0.00	2	1.1	636	PASS
174	95	50	100	90.7	56237	PASS
175	174	5	9	7.4	4136	PASS
176	174	95	101	96.9	54507	PASS
177	176	5	9	6.8	3689	PASS

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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	11M146532.D	CAL @ 20 PPB	01/06/26 16:07	2	11M146548.D	CAL @ 5 PPB	01/06/26 21:08
3	11M146549.D	CAL @ 10 PPB	01/06/26 21:27	4	11M146550.D	CAL @ 50 PPB	01/06/26 21:46
5	11M146540.D	CAL @ 100 PPB	01/06/26 18:38	6	11M146531.D	CAL @ 1 PPB	01/06/26 15:48
7	11M146547.D	CAL @ 0.5 PPB	01/06/26 20:49				

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	0.4197	0.3257	0.3197	0.3474	0.3617	-----	-----	0.2992	-----	0.346	1.71	0.998	0.998	12	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Dichlorodifluorometha	1	0	Avg	0.5421	0.3811	0.4162	0.3777	0.4410	-----	-----	0.3523	-----	0.418	1.69	0.990	0.992	16	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Chloromethane	1	0	Avg	0.5272	0.4070	0.4133	0.3839	0.3933	-----	-----	0.4213	-----	0.424	1.88	0.994	0.995	12	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Bromomethane	1	0	Avg	0.3344	0.2812	0.3238	0.3030	0.3084	-----	-----	0.2026	-----	0.292	2.26	0.999	0.999	16	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Chloride	1	0	Avg	0.5402	0.3950	0.4189	0.3815	0.4123	-----	-----	0.3961	-----	0.424	1.96	0.993	0.993	14	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Chloroethane	1	0	Avg	0.3386	0.2590	0.2611	0.2330	0.2398	-----	-----	0.3548	-----	0.281	2.35	0.992	0.992	19	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Trichlorofluoromethan	1	0	Avg	0.7393	0.5539	0.5991	0.5194	0.5924	-----	-----	0.5485	-----	0.592	2.57	0.992	0.993	13	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Ethyl ether	1	0	Avg	0.3283	0.2399	0.2502	0.2303	0.2346	-----	-----	0.2246	-----	0.251	2.81	0.993	0.993	15	0.50 a	20.00	5.00	10.00	50.00	100.0			1.00	
Furan	1	0	Avg	0.5956	0.4446	0.4646	0.4310	0.4457	-----	-----	0.4664	-----	0.475	2.84	0.994	0.994	13	0.50 a	20.00	5.00	10.00	50.00	100.0			1.00	
1,1,2-Trichloro-1,2,2-tr	1	0	Avg	0.3433	0.2562	0.2826	0.2344	0.2855	-----	-----	0.2725	-----	0.279	3.00	0.988	0.991	13	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Methylene Chloride	1	0	Avg	0.4226	0.3282	0.3124	0.2958	0.3042	-----	-----	0.3316	-----	0.333	3.40	0.993	0.993	14	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Acrolein	1	0	Avg	0.0546	0.0365	0.0378	0.0359	0.0410	-----	-----	0.0393	-----	0.0409	2.91	0.989	0.989	17		100.0	25.00	50.00	250.0	500.0			5.00	
Acrylonitrile	1	0	Avg	0.1278	0.0900	0.0943	0.0864	0.0903	-----	-----	0.0883	-----	0.0962	3.58	0.991	0.991	16		20.00	5.00	10.00	50.00	100.0			1.00	
Acetone	1	0	Avg	0.0976	0.0703	0.0786	0.0671	0.0741	-----	-----	0.0862	-----	0.0790	3.03	0.992	0.992	14	0.10 a	100.0	25.00	50.00	250.0	500.0			5.00	
Carbon Disulfide	1	0	Avg	0.8323	0.6135	0.6546	0.6160	0.6709	-----	-----	0.5817	-----	0.662	3.22	0.995	0.995	14	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
t-Butyl Alcohol	1	0	Avg	0.0225	0.0177	0.0172	0.0150	0.0182	-----	-----	0.0143	-----	0.0176	3.46	0.987	0.990	17		100.0	25.00	50.00	250.0	500.0			5.00	
n-Hexane	1	0	Avg	0.3871	0.2650	0.3128	0.2669	0.3381	-----	-----	0.2919	-----	0.310	3.85	0.986	0.992	15		20.00	5.00	10.00	50.00	100.0			1.00	
Di-isopropyl-ether	1	0	Avg	1.0800	0.7551	0.8249	0.7905	0.8276	-----	-----	0.7784	-----	0.843	3.98	0.994	0.994	14		20.00	5.00	10.00	50.00	100.0			1.00	
1,1-Dichloroethene	1	0	Avg	0.5937	0.4242	0.4681	0.4293	0.4629	-----	-----	0.4174	-----	0.466	3.01	0.994	0.994	14	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Methyl Acetate	1	0	Avg	0.2423	0.2008	0.1924	0.1712	0.1861	-----	-----	0.1889	-----	0.197	3.31	0.993	0.993	12	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Methyl-t-butyl ether	1	0	Avg	0.9415	0.6770	0.7137	0.6846	0.7213	-----	-----	0.7310	0.6575	0.732	3.63	0.995	0.995	13	0.10	20.00	5.00	10.00	50.00	100.0			1.00	0.50
1,1-Dichloroethane	1	0	Avg	0.7185	0.5203	0.5385	0.5077	0.5368	-----	-----	0.4902	-----	0.552	3.95	0.993	0.993	15	0.20	20.00	5.00	10.00	50.00	100.0			1.00	
trans-1,2-Dichloroethe	1	0	Avg	0.4414	0.3232	0.3380	0.3089	0.3230	-----	-----	0.3266	-----	0.344	3.63	0.993	0.993	14	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Ethyl-t-butyl ether	1	0	Avg	1.0160	0.7058	0.7539	0.7509	0.7900	-----	-----	0.7680	-----	0.797	4.22	0.995	0.995	14	0.50	20.00	5.00	10.00	50.00	100.0			1.00	
cis-1,2-Dichloroethene	1	0	Avg	0.6675	0.4769	0.5116	0.4800	0.5065	-----	-----	0.5581	-----	0.533	4.33	0.994	0.994	13	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Bromochloromethane	1	0	Qua	0.2872	0.2461	0.2418	0.2262	0.2897	-----	-----	0.0517	-----	0.224	4.47	0.988	0.996	39		20.00	5.00	10.00	50.00	100.0			1.00	
2,2-Dichloropropane	1	0	Avg	0.4953	0.3061	0.3481	0.3389	0.3947	-----	-----	0.3485	-----	0.372	4.34	0.990	0.991	18		20.00	5.00	10.00	50.00	100.0			1.00	
Ethyl acetate	1	0	Avg	0.3550	0.2446	0.2734	0.2291	0.2705	-----	-----	0.2499	-----	0.270	4.35	0.987	0.989	16		20.00	5.00	10.00	50.00	100.0			1.00	
1,4-Dioxane	1	0	Avg	0.0036	0.0026	0.0032	0.0024	0.0031	-----	-----	0.0026	-----	0.00296	5.37	0.982	0.990	15		1000.	250.0	500.0	2500.	5000.			50.00	
1,1-Dichloropropene	1	0	Avg	0.5812	0.4069	0.4576	0.4243	0.4550	-----	-----	0.4300	-----	0.459	4.73	0.994	0.994	14		20.00	5.00	10.00	50.00	100.0			1.00	
Chloroform	1	0	Avg	0.7496	0.5446	0.5769	0.5388	0.5640	-----	-----	0.5583	-----	0.589	4.51	0.994	0.994	14	0.20	20.00	5.00	10.00	50.00	100.0			1.00	
Dibromofluoromethan	1	0	Avg	0.2673	0.2724	0.2722	0.2767	0.2635	-----	-----	0.2749	0.2690	0.271	4.60	-1	-1	1.7		30.00	30.00	30.00	30.00	30.00			30.00	30.00
Cyclohexane	1	0	Avg	0.5274	0.3927	0.4338	0.3850	0.4567	-----	-----	0.3907	-----	0.431	4.68	0.991	0.994	13	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
1,2-Dichloroethane-d4	1	0	Avg	0.1443	0.1408	0.1398	0.1333	0.1381	-----	-----	0.1379	0.1357	0.139	4.80	-1	-1	2.6		30.00	30.00	30.00	30.00	30.00			30.00	30.00
1,2-Dichloroethane	1	0	Avg	0.5931	0.3973	0.4291	0.4119	0.4132	-----	-----	0.4085	0.5039	0.451	4.85	0.992	0.993	16	0.10	20.00	5.00	10.00	50.00	100.0			1.00	0.50
2-Butanone	1	0	Avg	0.1404	0.1111	0.1069	0.1043	0.1105	-----	-----	0.0984	-----	0.112	4.32	0.995	0.995	13	0.10 a	20.00	5.00	10.00	50.00	100.0			1.00	
1,1,1-Trichloroethane	1	0	Avg	0.6026	0.4389	0.4836	0.4636	0.4967	-----	-----	0.4305	-----	0.486	4.64	0.996	0.996	13	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Carbon Tetrachloride	1	0	Avg	0.5658	0.4376	0.4358	0.4267	0.4682	-----	-----	0.3656	-----	0.450	4.74	0.995	0.995	15	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Vinyl Acetate	1	0	Avg	1.2272	0.7728	0.7663	0.7917	0.9336	-----	-----	0.9124	-----	0.901	3.96	0.986	0.988	19		20.00	5.00	10.00	50.00	100.0			1.00	
Bromodichloromethan	1	0	Avg	0.5188	0.3872	0.4032	0.3873	0.4092	-----	-----	0.3630	0.4106	0.411	5.45	0.996	0.996	12	0.20	20.00	5.00	10.00	50.00	100.0			1.00	0.50
Methylcyclohexane	1	0	Avg	0.5412	0.3785	0.4553	0.3923	0.4803	-----	-----	0.3449	-----	0.432	5.31	0.989	0.994	17	0.10	20.00	5.00	10.00	50.00	100.0			1.00	

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.51

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	11M146532.D	CAL @ 20 PPB	01/06/26 16:07	2	11M146548.D	CAL @ 5 PPB	01/06/26 21:08
3	11M146549.D	CAL @ 10 PPB	01/06/26 21:27	4	11M146550.D	CAL @ 50 PPB	01/06/26 21:46
5	11M146540.D	CAL @ 100 PPB	01/06/26 18:38	6	11M146531.D	CAL @ 1 PPB	01/06/26 15:48
7	11M146547.D	CAL @ 0.5 PPB	01/06/26 20:49				

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
Dibromomethane	1	0	Avg	0.3135	0.2201	0.2353	0.2252	0.2374	-----	-----	0.2452	-----	0.246	5.38	0.994	0.994	14		20.00	5.00	10.00	50.00	100.0			1.00	
1,2-Dichloropropane	1	0	Avg	0.4216	0.3034	0.3190	0.3027	0.3152	-----	-----	0.3061	-----	0.328	5.31	0.994	0.994	14	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Trichloroethene	1	0	Avg	0.5036	0.3825	0.3963	0.3701	0.3835	-----	-----	0.3982	-----	0.406	5.19	0.995	0.995	12	0.20	20.00	5.00	10.00	50.00	100.0			1.00	
Benzene	1	0	Avg	1.6618	1.2153	1.2405	1.1728	1.2409	-----	-----	1.1574	1.0455	1.25	4.85	0.994	0.994	16	0.50	20.00	5.00	10.00	50.00	100.0			1.00	0.50
tert-Amyl methyl ether	1	0	Avg	0.9725	0.6685	0.7139	0.7068	0.7541	-----	-----	0.7245	-----	0.757	4.89	0.994	0.994	14		20.00	5.00	10.00	50.00	100.0			1.00	
Iso-propylacetate	1	0	Avg	0.6288	0.4549	0.4901	0.4544	0.5170	-----	-----	0.4319	-----	0.496	4.84	0.993	0.994	14	0.50 a	20.00	5.00	10.00	50.00	100.0			1.00	
Methyl methacrylate	1	0	Avg	0.2802	0.2207	0.2389	0.2252	0.2474	-----	-----	0.1996	-----	0.235	5.34	0.996	0.997	12	0.50 a	20.00	5.00	10.00	50.00	100.0			1.00	
Dibromochloromethan	1	0	Avg	0.4129	0.3025	0.3134	0.3177	0.3498	-----	-----	0.2689	-----	0.328	6.29	0.995	0.996	15	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
2-Chloroethylvinylethe	1	0	Avg	0.1559	0.1443	0.1333	0.1229	0.1231	-----	-----	0.1123	-----	0.132	5.58	0.997	0.997	12		20.00	5.00	10.00	50.00	100.0			1.00	
cis-1,3-Dichloropropen	1	0	Avg	0.5825	0.3886	0.4368	0.4209	0.4735	-----	-----	0.3716	-----	0.446	5.68	0.993	0.994	17	0.20	20.00	5.00	10.00	50.00	100.0			1.00	
trans-1,3-Dichloroprop	1	0	Avg	0.5196	0.3422	0.3844	0.3772	0.4350	-----	-----	0.3405	-----	0.400	5.96	0.992	0.994	17	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Ethyl methacrylate	1	0	Avg	0.3398	0.2191	0.2439	0.2477	0.2778	-----	-----	0.2080	-----	0.256	5.98	0.993	0.994	19	0.50 a	20.00	5.00	10.00	50.00	100.0			1.00	
1,1,2-Trichloroethane	1	0	Avg	0.4007	0.2851	0.2862	0.2699	0.2908	-----	-----	0.2904	0.2579	0.297	6.06	0.992	0.992	16	0.10	20.00	5.00	10.00	50.00	100.0			1.00	0.50
1,2-Dibromoethane	1	0	Avg	0.3971	0.2825	0.2994	0.2836	0.3064	-----	-----	0.2802	-----	0.308	6.36	0.993	0.993	15	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
1,3-Dichloropropane	1	0	Avg	0.6583	0.4498	0.4678	0.4536	0.4877	-----	-----	0.4654	-----	0.497	6.15	0.992	0.992	16		20.00	5.00	10.00	50.00	100.0			1.00	
4-Methyl-2-Pentanone	1	0	Avg	0.3339	0.2244	0.2503	0.2279	0.2627	-----	-----	0.2482	-----	0.258	5.74	0.990	0.991	15	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
2-Hexanone	1	0	Avg	0.2250	0.1558	0.1635	0.1615	0.1849	-----	-----	0.1378	-----	0.171	6.17	0.992	0.993	18	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Tetrachloroethene	1	0	Avg	0.4056	0.3013	0.3156	0.2896	0.3199	-----	-----	0.2839	-----	0.319	6.17	0.993	0.993	14	0.20	20.00	5.00	10.00	50.00	100.0			1.00	
Toluene-d8	1	0	Avg	1.1023	1.0833	1.0939	1.0876	1.0994	-----	-----	1.0845	1.0671	1.09	5.83	-1	-1	1.1		30.00	30.00	30.00	30.00	30.00			30.00	30.00
Toluene	1	0	Avg	1.0796	0.7862	0.8025	0.7572	0.8196	-----	-----	0.7784	-----	0.837	5.87	0.993	0.993	14	0.40	20.00	5.00	10.00	50.00	100.0			1.00	
1,1,1,2-Tetrachloroeth	1	0	Avg	0.3904	0.2833	0.2968	0.2866	0.3161	-----	-----	0.3059	-----	0.313	6.65	0.994	0.994	13		20.00	5.00	10.00	50.00	100.0			1.00	
Chlorobenzene	1	0	Avg	1.2586	0.8970	0.9356	0.8811	0.9376	-----	-----	0.8915	-----	0.967	6.62	0.993	0.993	15	0.50	20.00	5.00	10.00	50.00	100.0			1.00	
n-Butyl acrylate	1	0	Avg	0.9879	0.6328	0.7162	0.7176	0.7198	-----	-----	0.6899	-----	0.744	6.86	0.993	0.994	17	0.50	20.00	5.00	10.00	50.00	100.0			1.00	
n-Amyl acetate	1	0	Avg	0.6790	0.5901	0.6431	0.6343	-----	-----	-----	0.4992	-----	0.609	6.97	0.999	1.00	11	0.50 a	20.00	5.00	10.00	50.00				1.00	
Bromoform	1	0	Avg	0.4342	0.2936	0.3123	0.3161	0.3701	-----	-----	0.2682	-----	0.332	7.06	0.992	0.994	18	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Ethylbenzene	1	0	Avg	0.9149	0.5977	0.7177	0.6157	0.5744	-----	-----	0.6310	-----	0.675	6.66	0.986	0.991	19	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
1,1,2,2-Tetrachloroeth	1	0	Avg	0.7542	0.5164	0.5454	0.4878	0.5604	-----	-----	0.6228	-----	0.581	7.28	0.988	0.989	17	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Bromofluorobenzene	1	0	Avg	0.7438	0.7607	0.7679	0.7447	0.7935	-----	-----	0.7566	0.7564	0.761	7.22	-1	-1	2.2		30.00	30.00	30.00	30.00	30.00			30.00	30.00
Styrene	1	0	Avg	1.9737	1.3531	1.4411	1.3917	1.3836	-----	-----	1.2602	-----	1.47	6.94	0.992	0.993	17	0.30	20.00	5.00	10.00	50.00	100.0			1.00	
m&p-Xylenes	1	0	Avg	1.2149	0.8592	0.9053	0.8510	0.7846	-----	-----	0.8446	0.9194	0.911	6.71	0.988	0.994	15	0.10	40.00	10.00	20.00	100.0	200.0			2.00	1.00
o-Xylene	1	0	Avg	1.1861	0.8137	0.9059	0.8202	0.8053	-----	-----	0.8264	-----	0.893	6.94	0.991	0.992	17	0.30	20.00	5.00	10.00	50.00	100.0			1.00	
trans-1,4-Dichloro-2-b	1	0	Avg	0.1597	0.1097	0.1185	0.1126	0.1455	-----	-----	0.1150	-----	0.127	7.30	0.985	0.992	16		20.00	5.00	10.00	50.00	100.0			1.00	
1,3-Dichlorobenzene	1	0	Avg	1.4925	1.0795	1.1414	1.0529	1.2374	-----	-----	1.0727	-----	1.18	7.85	0.991	0.993	14	0.60	20.00	5.00	10.00	50.00	100.0			1.00	
1,4-Dichlorobenzene	1	0	Avg	1.4985	1.1038	1.1611	1.0603	1.1302	-----	-----	1.2059	-----	1.19	7.90	0.993	0.993	13	0.50	20.00	5.00	10.00	50.00	100.0			1.00	
1,2-Dichlorobenzene	1	0	Avg	1.4539	0.9864	1.0594	0.9930	1.0996	-----	-----	1.0276	-----	1.10	8.12	0.991	0.991	16	0.40	20.00	5.00	10.00	50.00	100.0			1.00	
Isopropylbenzene	1	0	Avg	2.9680	2.1663	2.2998	2.1233	2.3523	-----	-----	1.9230	-----	2.31	7.13	0.993	0.994	16	0.10	20.00	5.00	10.00	50.00	100.0			1.00	
Cyclohexanone	1	0	Avg	0.0768	0.0602	0.0652	0.0553	0.0642	-----	-----	0.0560	-----	0.0630	7.20	0.992	0.994	13		100.0	25.00	50.00	250.0	500.0			5.00	
1,2,3-Trichloropropane	1	0	Avg	0.8623	0.6362	0.6442	0.5917	0.6931	-----	-----	0.6527	-----	0.680	7.31	0.990	0.992	14		20.00	5.00	10.00	50.00	100.0			1.00	
2-Chlorotoluene	1	0	Avg	1.7473	1.1987	1.3705	1.2378	1.6352	-----	-----	1.2490	-----	1.41	7.43	0.983	0.993	16		20.00	5.00	10.00	50.00	100.0			1.00	
4-Chlorotoluene	1	0	Avg	1.8195	1.2992	1.4039	1.2634	-----	-----	-----	1.2515	-----	1.41	7.48	0.964	0.992	17		20.00	5.00	10.00	50.00				1.00	
n-Propylbenzene	1	0	Avg	3.5155	2.5516	2.6356	2.4597	3.0576	-----	-----	2.4541	-----	2.78	7.36	0.987	0.992	15		20.00	5.00	10.00	50.00	100.0			1.00	

Avg Rsd: 14.51

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.

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	11M146532.D	CAL @ 20 PPB	01/06/26 16:07	2	11M146548.D	CAL @ 5 PPB	01/06/26 21:08
3	11M146549.D	CAL @ 10 PPB	01/06/26 21:27	4	11M146550.D	CAL @ 50 PPB	01/06/26 21:46
5	11M146540.D	CAL @ 100 PPB	01/06/26 18:38	6	11M146531.D	CAL @ 1 PPB	01/06/26 15:48
7	11M146547.D	CAL @ 0.5 PPB	01/06/26 20:49				

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
Bromobenzene	1	0	Avg	1.5143	1.0683	1.1474	1.0320	1.1150	-----	-----	1.0923	-----	1.16	7.33	0.991	0.991	15		20.00	5.00	10.00	50.00	100.0			1.00	
1,3,5-Trimethylbenzen	1	0	Avg	2.4310	1.7389	1.8190	1.7143	2.5273	-----	-----	1.5942	-----	1.97	7.44	0.974	0.992	20		20.00	5.00	10.00	50.00	100.0			1.00	
Butyl methacrylate	1	0	Avg	0.7639	0.4794	0.5274	0.5647	0.6824	-----	-----	0.4465	-----	0.577	7.45	0.990	0.994	21	0.50 a	20.00	5.00	10.00	50.00	100.0			1.00	
t-Butylbenzene	1	0	Avg	2.3997	1.6789	1.7834	1.7016	-----	-----	-----	1.6304	-----	1.84	7.64	0.968	0.991	17		20.00	5.00	10.00	50.00				1.00	
1,2,4-Trimethylbenzen	1	0	Avg	2.4770	1.7002	1.8608	1.7592	2.4515	-----	-----	1.6913	-----	1.99	7.66	0.979	0.992	19		20.00	5.00	10.00	50.00	100.0			1.00	
sec-Butylbenzene	1	0	Avg	2.8437	2.0584	2.2271	2.0943	2.8245	-----	-----	1.8537	-----	2.32	7.76	0.982	0.994	18		20.00	5.00	10.00	50.00	100.0			1.00	
4-Isopropyltoluene	1	0	Avg	2.4731	1.7032	1.8533	1.8098	2.3023	-----	-----	1.6396	-----	1.96	7.83	0.987	0.994	17		20.00	5.00	10.00	50.00	100.0			1.00	
n-Butylbenzene	1	0	Avg	2.0451	1.4304	1.5536	1.5109	1.6343	-----	-----	1.4004	-----	1.60	8.07	0.995	0.995	15		20.00	5.00	10.00	50.00	100.0			1.00	
1,2,4,5-Tetramethylbe	1	0	Avg	1.9762	1.3233	1.4542	1.5191	-----	-----	-----	1.3687	-----	1.53	8.51	0.981	0.993	17		20.00	5.00	10.00	50.00				1.00	
1,2-Dibromo-3-Chloro	1	0	Avg	0.1489	0.1044	0.1232	0.1058	-----	-----	-----	0.0965	-----	0.116	8.57	0.969	0.994	18	0.05	20.00	5.00	10.00	50.00				1.00	
Hexachlorobutadiene	1	0	Avg	0.3585	0.2593	0.2640	0.2492	0.2728	-----	-----	0.3293	-----	0.289	9.15	0.992	0.992	15		20.00	5.00	10.00	50.00	100.0			1.00	
1,2,4-Trichlorobenzen	1	0	Avg	0.8486	0.5853	0.6203	0.5992	0.6516	-----	-----	0.6568	-----	0.660	9.06	0.993	0.993	15	0.20	20.00	5.00	10.00	50.00	100.0			1.00	
1,2,3-Trichlorobenzen	1	0	Avg	0.7971	0.5531	0.5771	0.5609	0.5812	-----	-----	0.5654	-----	0.606	9.36	0.993	0.993	16		20.00	5.00	10.00	50.00	100.0			1.00	
Naphthalene	1	0	Avg	2.0788	1.3896	1.4952	1.4876	1.6047	-----	-----	1.3463	-----	1.57	9.22	0.993	0.993	17		20.00	5.00	10.00	50.00	100.0			1.00	

Flags

a - failed the min rf criteria

c - failed the minimum correlation coeff criteria(if applicable)

Note: Avg Rsd: 14.51

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:** 11M147842.D **Instrument:** GCMS 11

Cont Calibration Date/Time 2/3/2026 9:48:00 AM 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	4.99	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.71	18.21	20	20	0.1	0.346	0.315	8.97	
Dichlorodifluoromethane	1	0		1.69	11.65	20	20	0.1	0.418	0.244	41.76	C1
Chloromethane	1	0		1.88	16.31	20	20	0.1	0.424	0.346	18.46	
Bromomethane	1	0		2.26	16.61	20	20	0.1	0.292	0.243	16.93	
Vinyl Chloride	1	0		1.96	17.94	20	20	0.1	0.424	0.380	10.30	
Chloroethane	1	0		2.35	17.89	20	20	0.1	0.281	0.251	10.57	
Trichlorofluoromethane	1	0		2.57	19.57	20	20	0.1	0.592	0.580	2.13	
Ethyl ether	1	0		2.81	23.57	20	20	0.5	0.251	0.296	17.87	
Furan	1	0		2.84	23.28	20	20	0.5	0.475	0.553	16.40	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		3.00	23.88	20	20	0.1	0.279	0.333	19.39	
Methylene Chloride	1	0		3.40	21.81	20	20	0.1	0.333	0.363	9.04	
Acrolein	1	0		2.91	93.26	100	20		0.041	0.038	6.74	
Acrylonitrile	1	0		3.58	24.02	20	20		0.096	0.116	20.09	
Acetone	1	0		3.03	123.40	100	20	0.1	0.079	0.098	23.40	C1
Carbon Disulfide	1	0		3.22	24.86	20	20	0.1	0.662	0.822	24.28	C1
t-Butyl Alcohol	1	0		3.46	124.79	100	20		0.018	0.022	24.79	C1
n-Hexane	1	0		3.85	20.64	20	20		0.310	0.320	3.20	
Di-isopropyl-ether	1	0		3.98	21.68	20	20		0.843	0.914	8.40	
1,1-Dichloroethene	1	0		3.01	22.71	20	20	0.1	0.466	0.529	13.56	
Methyl Acetate	1	0		3.31	26.91	20	20	0.1	0.197	0.265	34.57	C1
Methyl-t-butyl ether	1	0		3.63	22.75	20	20	0.1	0.732	0.833	13.73	
1,1-Dichloroethane	1	0		3.95	22.36	20	20	0.2	0.552	0.617	11.80	
trans-1,2-Dichloroethene	1	0		3.63	21.29	20	20	0.1	0.344	0.366	6.46	
Ethyl-t-butyl ether	1	0		4.22	22.19	20	20	0.5	0.797	0.885	10.95	
cis-1,2-Dichloroethene	1	0		4.33	21.02	20	20	0.1	0.533	0.561	5.12	
Bromochloromethane	1	0		4.47	26.18	20	20		0.224	0.296	30.91	C1
2,2-Dichloropropane	1	0		4.34	17.73	20	20		0.372	0.330	11.34	
Ethyl acetate	1	0		4.35	19.53	20	20		0.270	0.264	2.34	
1,4-Dioxane	1	0		5.37	1222.05	1000	20		0.003	0.004	22.21	C1
1,1-Dichloropropene	1	0		4.73	21.98	20	20		0.459	0.505	9.88	
Chloroform	1	0		4.51	22.79	20	20	0.2	0.589	0.671	13.93	
Dibromofluoromethane	1	0	S	4.60	32.36	30	**		0.271	0.292	7.86	
Cyclohexane	1	0		4.68	22.94	20	20	0.1	0.431	0.494	14.69	
1,2-Dichloroethane-d4	1	0	S	4.80	31.12	30	**		0.139	0.144	3.73	
1,2-Dichloroethane	1	0		4.85	22.96	20	20	0.1	0.451	0.518	14.79	
2-Butanone	1	0		4.32	25.68	20	20	0.1	0.112	0.144	28.38	C1
1,1,1-Trichloroethane	1	0		4.64	23.24	20	20	0.1	0.486	0.565	16.22	
Carbon Tetrachloride	1	0		4.74	23.69	20	20	0.1	0.450	0.533	18.47	
Vinyl Acetate	1	0		3.98	16.49	20	20		0.901	0.743	17.56	
Bromodichloromethane	1	0		5.44	23.64	20	20	0.2	0.411	0.486	18.18	
Methylcyclohexane	1	0		5.31	21.54	20	20	0.1	0.432	0.465	7.70	
Dibromomethane	1	0		5.37	23.16	20	20		0.246	0.285	15.80	
1,2-Dichloropropane	1	0		5.31	22.03	20	20	0.1	0.328	0.361	10.14	
Trichloroethene	1	0		5.19	21.87	20	20	0.2	0.406	0.444	9.33	
Benzene	1	0		4.85	22.55	20	20	0.5	1.248	1.407	12.74	
tert-Amyl methyl ether	1	0		4.89	22.08	20	20		0.757	0.836	10.41	
Chlorobenzene-d5	1	0	I	6.60	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.84	19.80	20	20	0.5	0.496	0.491	0.98	
Methyl methacrylate	1	0		5.34	23.28	20	20	0.5	0.235	0.274	16.38	
Dibromochloromethane	1	0		6.28	20.93	20	20	0.1	0.328	0.343	4.62	
2-Chloroethylvinylether	1	0		5.58	21.77	20	20		0.132	0.144	8.84	

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:** 11M147842.D **Instrument:** GCMS 11

Cont Calibration Date/Time 2/3/2026 9:48:00 AM Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
cis-1,3-Dichloropropene	1	0		5.68	19.55	20	20	0.2	0.446	0.436	2.24	
trans-1,3-Dichloropropene	1	0		5.95	19.63	20	20	0.1	0.400	0.393	1.84	
Ethyl methacrylate	1	0		5.98	18.39	20	20	0.5	0.256	0.235	8.05	
1,1,2-Trichloroethane	1	0		6.06	20.02	20	20	0.1	0.297	0.298	0.08	
1,2-Dibromoethane	1	0		6.36	19.57	20	20	0.1	0.308	0.302	2.13	
1,3-Dichloropropane	1	0		6.15	20.14	20	20		0.497	0.501	0.68	
4-Methyl-2-Pentanone	1	0		5.74	20.01	20	20	0.1	0.258	0.258	0.03	
2-Hexanone	1	0		6.17	20.50	20	20	0.1	0.171	0.176	2.51	
Tetrachloroethene	1	0		6.17	18.79	20	20	0.2	0.319	0.300	6.06	
Toluene-d8	1	0	S	5.83	28.55	30	**		1.088	1.036	4.83	
Toluene	1	0		5.87	18.74	20	20	0.4	0.837	0.785	6.29	
1,1,1,2-Tetrachloroethane	1	0		6.65	19.49	20	20		0.313	0.305	2.56	
Chlorobenzene	1	0		6.62	18.70	20	20	0.5	0.967	0.904	6.52	
1,4-Dichlorobenzene-d4	1	0	I	7.88	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.85	17.10	20	20	0.5	0.744	0.636	14.49	
n-Amyl acetate	1	0		6.97	18.19	20	20	0.5	0.609	0.554	9.06	
Bromoform	1	0		7.06	21.00	20	20	0.1	0.332	0.349	5.00	
Ethylbenzene	1	0		6.66	18.33	20	20	0.1	0.675	0.619	8.35	
1,1,2,2-Tetrachloroethane	1	0		7.27	18.28	20	20	0.1	0.581	0.531	8.62	
Bromofluorobenzene	1	0	S	7.22	28.91	30	**		0.761	0.733	3.64	
Styrene	1	0		6.94	18.72	20	20	0.3	1.467	1.374	6.39	
m&p-Xylenes	1	0		6.72	36.17	40	20	0.1	0.911	0.824	9.58	
o-Xylene	1	0		6.94	18.47	20	20	0.3	0.893	0.824	7.67	
trans-1,4-Dichloro-2-butene	1	0		7.30	18.32	20	20		0.127	0.116	8.42	
1,3-Dichlorobenzene	1	0		7.85	17.96	20	20	0.6	1.179	1.059	10.18	
1,4-Dichlorobenzene	1	0		7.90	18.13	20	20	0.5	1.193	1.082	9.36	
1,2-Dichlorobenzene	1	0		8.12	18.06	20	20	0.4	1.103	0.996	9.69	
Isopropylbenzene	1	0		7.13	17.52	20	20	0.1	2.305	2.019	12.41	
Cyclohexanone	1	0		7.20	101.28	100	20		0.063	0.064	1.28	
1,2,3-Trichloropropane	1	0		7.31	19.89	20	20		0.680	0.676	0.54	
2-Chlorotoluene	1	0		7.42	16.91	20	20		1.406	1.189	15.44	
4-Chlorotoluene	1	0		7.48	18.01	20	20		1.408	1.268	9.93	
n-Propylbenzene	1	0		7.36	17.18	20	20		2.779	2.387	14.09	
Bromobenzene	1	0		7.33	17.21	20	20		1.162	1.000	13.95	
1,3,5-Trimethylbenzene	1	0		7.44	16.99	20	20		1.971	1.674	15.07	
Butyl methacrylate	1	0		7.45	17.00	20	20	0.5	0.577	0.491	15.00	
t-Butylbenzene	1	0		7.64	17.19	20	20		1.839	1.581	14.04	
1,2,4-Trimethylbenzene	1	0		7.66	17.12	20	20		1.990	1.703	14.42	
sec-Butylbenzene	1	0		7.76	17.10	20	20		2.317	1.981	14.49	
4-Isopropyltoluene	1	0		7.83	16.96	20	20		1.964	1.665	15.22	
n-Butylbenzene	1	0		8.07	17.18	20	20		1.596	1.371	14.12	
1,2,4,5-Tetramethylbenzene	1	0		8.51	17.84	20	20		1.528	1.363	10.80	
1,2-Dibromo-3-Chloropropane	1	0		8.56	21.10	20	20	0.05	0.116	0.122	5.50	
Hexachlorobutadiene	1	0		9.15	17.40	20	20		0.289	0.251	13.01	
1,2,4-Trichlorobenzene	1	0		9.06	17.31	20	20	0.2	0.660	0.572	13.45	
1,2,3-Trichlorobenzene	1	0		9.36	18.61	20	20		0.606	0.564	6.94	
Naphthalene	1	0		9.22	17.84	20	20		1.567	1.398	10.78	
Camphor	1	100		0.00	0.00	200	20			0.000	0.00	
Camphene	1	100		0.00	0.00	20	20			0.000	0.00	
p-Diethylbenzene	1	100		0.00	0.00	20	20			0.000	0.00	
p-Ethyltoluene	1	100		0.00	0.00	20	20			0.000	0.00	
Iodomethane	1	100		0.00	0.00	20	20			0.000	0.00	

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:** 11M147966.D **Instrument:** GCMS 11

Cont Calibration Date/Time 2/5/2026 7:20:00 AM 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	4.99	30.00	30	**			0.000	0.00	
Chlorodifluoromethane	1	0		1.72	6.35	20	20	0.1	0.346	0.110	68.25	C1
Dichlorodifluoromethane	1	0		1.69	13.00	20	20	0.1	0.418	0.272	35.01	C1
Chloromethane	1	0		1.88	15.69	20	20	0.1	0.424	0.333	21.53	C1
Bromomethane	1	0		2.26	15.60	20	20	0.1	0.292	0.228	22.00	C1
Vinyl Chloride	1	0		1.96	17.41	20	20	0.1	0.424	0.369	12.93	
Chloroethane	1	0		2.35	17.21	20	20	0.1	0.281	0.242	13.94	
Trichlorofluoromethane	1	0		2.58	19.72	20	20	0.1	0.592	0.584	1.40	
Ethyl ether	1	0		2.81	21.14	20	20	0.5	0.251	0.266	5.71	
Furan	1	0		2.85	20.60	20	20	0.5	0.475	0.489	3.00	
1,1,2-Trichloro-1,2,2-trifluoroetha	1	0		3.01	23.54	20	20	0.1	0.279	0.329	17.71	
Methylene Chloride	1	0		3.40	19.90	20	20	0.1	0.333	0.331	0.52	
Acrolein	1	0		2.91	109.00	100	20		0.041	0.045	9.00	
Acrylonitrile	1	0		3.58	21.14	20	20		0.096	0.102	5.68	
Acetone	1	0		3.03	128.09	100	20	0.1	0.079	0.101	28.09	C1
Carbon Disulfide	1	0		3.22	20.67	20	20	0.1	0.662	0.684	3.33	
t-Butyl Alcohol	1	0		3.46	130.36	100	20		0.018	0.023	30.36	C1
n-Hexane	1	0		3.85	25.10	20	20		0.310	0.390	25.51	C1
Di-isopropyl-ether	1	0		3.99	20.38	20	20		0.843	0.859	1.89	
1,1-Dichloroethene	1	0		3.01	20.87	20	20	0.1	0.466	0.486	4.34	
Methyl Acetate	1	0		3.31	21.47	20	20	0.1	0.197	0.212	7.37	
Methyl-t-butyl ether	1	0		3.63	21.12	20	20	0.1	0.732	0.773	5.60	
1,1-Dichloroethane	1	0		3.95	20.66	20	20	0.2	0.552	0.570	3.29	
trans-1,2-Dichloroethene	1	0		3.63	19.84	20	20	0.1	0.344	0.341	0.78	
Ethyl-t-butyl ether	1	0		4.22	21.08	20	20	0.5	0.797	0.841	5.42	
cis-1,2-Dichloroethene	1	0		4.33	20.29	20	20	0.1	0.533	0.541	1.45	
Bromochloromethane	1	0		4.47	23.20	20	20		0.224	0.259	15.98	
2,2-Dichloropropane	1	0		4.34	23.12	20	20		0.372	0.430	15.61	
Ethyl acetate	1	0		4.35	22.40	20	20		0.270	0.303	12.01	
1,4-Dioxane	1	0		5.37	1335.22	1000	20		0.003	0.004	33.52	C1
1,1-Dichloropropene	1	0		4.73	20.31	20	20		0.459	0.466	1.54	
Chloroform	1	0		4.51	20.37	20	20	0.2	0.589	0.600	1.83	
Dibromofluoromethane	1	0	S	4.60	32.71	30	**		0.271	0.295	9.03	
Cyclohexane	1	0		4.68	22.49	20	20	0.1	0.431	0.485	12.43	
1,2-Dichloroethane-d4	1	0	S	4.80	32.21	30	**		0.139	0.149	7.38	
1,2-Dichloroethane	1	0		4.85	20.82	20	20	0.1	0.451	0.470	4.11	
2-Butanone	1	0		4.32	25.62	20	20	0.1	0.112	0.143	28.08	C1
1,1,1-Trichloroethane	1	0		4.64	21.14	20	20	0.1	0.486	0.514	5.70	
Carbon Tetrachloride	1	0		4.74	21.21	20	20	0.1	0.450	0.477	6.07	
Vinyl Acetate	1	0		3.96	22.78	20	20		0.901	1.026	13.90	
Bromodichloromethane	1	0		5.45	20.09	20	20	0.2	0.411	0.413	0.43	
Methylcyclohexane	1	0		5.31	22.02	20	20	0.1	0.432	0.476	10.09	
Dibromomethane	1	0		5.38	20.38	20	20		0.246	0.251	1.91	
1,2-Dichloropropane	1	0		5.31	20.52	20	20	0.1	0.328	0.337	2.62	
Trichloroethene	1	0		5.19	19.07	20	20	0.2	0.406	0.387	4.65	
Benzene	1	0		4.85	21.14	20	20	0.5	1.248	1.319	5.68	
tert-Amyl methyl ether	1	0		4.89	20.51	20	20		0.757	0.776	2.57	
Chlorobenzene-d5	1	0	I	6.60	30.00	30	**			0.000	0.00	
Iso-propylacetate	1	0		4.84	17.95	20	20	0.5	0.496	0.445	10.27	
Methyl methacrylate	1	0		5.33	18.65	20	20	0.5	0.235	0.220	6.74	
Dibromochloromethane	1	0		6.28	16.61	20	20	0.1	0.328	0.272	16.96	
2-Chloroethylvinylether	1	0		5.58	18.95	20	20		0.132	0.125	5.24	

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:** 11M147966.D **Instrument:** GCMS 11

Cont Calibration Date/Time 2/5/2026 7:20:00 AM Method: EPA 8260D

TxtCompd:	Col#	Multi Num	Type	RT	Conc	Conc Exp	Lo Lim	MIN RF	Initial RF	RF	%Diff	Flag
cis-1,3-Dichloropropene	1	0		5.68	16.87	20	20	0.2	0.446	0.376	15.67	
trans-1,3-Dichloropropene	1	0		5.96	16.59	20	20	0.1	0.400	0.332	17.03	
Ethyl methacrylate	1	0		5.98	18.25	20	20	0.5	0.256	0.234	8.73	
1,1,2-Trichloroethane	1	0		6.06	16.85	20	20	0.1	0.297	0.250	15.77	
1,2-Dibromoethane	1	0		6.36	17.10	20	20	0.1	0.308	0.264	14.49	
1,3-Dichloropropane	1	0		6.16	17.65	20	20		0.497	0.439	11.75	
4-Methyl-2-Pentanone	1	0		5.74	18.16	20	20	0.1	0.258	0.234	9.19	
2-Hexanone	1	0		6.17	19.78	20	20	0.1	0.171	0.170	1.12	
Tetrachloroethene	1	0		6.16	16.71	20	20	0.2	0.319	0.267	16.44	
Toluene-d8	1	0	S	5.83	28.03	30	**		1.088	1.017	6.57	
Toluene	1	0		5.87	16.61	20	20	0.4	0.837	0.695	16.95	
1,1,1,2-Tetrachloroethane	1	0		6.65	16.32	20	20		0.313	0.256	18.39	
Chlorobenzene	1	0		6.62	16.47	20	20	0.5	0.967	0.796	17.66	
1,4-Dichlorobenzene-d4	1	0	I	7.88	30.00	30	**			0.000	0.00	
n-Butyl acrylate	1	0		6.85	17.06	20	20	0.5	0.744	0.635	14.68	
n-Amyl acetate	1	0		6.97	19.71	20	20	0.5	0.609	0.600	1.46	
Bromoform	1	0		7.06	16.59	20	20	0.1	0.332	0.276	17.04	
Ethylbenzene	1	0		6.66	16.39	20	20	0.1	0.675	0.554	18.03	
1,1,2,2-Tetrachloroethane	1	0		7.27	17.91	20	20	0.1	0.581	0.520	10.46	
Bromofluorobenzene	1	0	S	7.22	29.11	30	**		0.761	0.738	2.97	
Styrene	1	0		6.94	16.57	20	20	0.3	1.467	1.216	17.16	
m&p-Xylenes	1	0		6.72	33.20	40	20	0.1	0.911	0.756	16.99	
o-Xylene	1	0		6.94	16.32	20	20	0.3	0.893	0.729	18.39	
trans-1,4-Dichloro-2-butene	1	0		7.30	18.80	20	20		0.127	0.119	5.98	
1,3-Dichlorobenzene	1	0		7.85	16.01	20	20	0.6	1.179	0.944	19.94	
1,4-Dichlorobenzene	1	0		7.89	16.26	20	20	0.5	1.193	0.970	18.70	
1,2-Dichlorobenzene	1	0		8.12	16.14	20	20	0.4	1.103	0.890	19.31	
Isopropylbenzene	1	0		7.13	16.35	20	20	0.1	2.305	1.885	18.26	
Cyclohexanone	1	0		7.20	116.82	100	20		0.063	0.074	16.82	
1,2,3-Trichloropropane	1	0		7.31	18.05	20	20		0.680	0.614	9.77	
2-Chlorotoluene	1	0		7.42	15.06	20	20		1.406	1.059	24.68	C1
4-Chlorotoluene	1	0		7.48	16.33	20	20		1.408	1.149	18.37	
n-Propylbenzene	1	0		7.36	16.08	20	20		2.779	2.234	19.61	
Bromobenzene	1	0		7.33	16.88	20	20		1.162	0.981	15.59	
1,3,5-Trimethylbenzene	1	0		7.44	15.40	20	20		1.971	1.517	23.02	C1
Butyl methacrylate	1	0		7.44	16.47	20	20	0.5	0.577	0.476	17.65	
t-Butylbenzene	1	0		7.64	16.17	20	20		1.839	1.487	19.14	
1,2,4-Trimethylbenzene	1	0		7.66	15.72	20	20		1.990	1.564	21.40	C1
sec-Butylbenzene	1	0		7.76	16.07	20	20		2.317	1.862	19.64	
4-Isopropyltoluene	1	0		7.83	16.27	20	20		1.964	1.597	18.65	
n-Butylbenzene	1	0		8.07	16.99	20	20		1.596	1.355	15.07	
1,2,4,5-Tetramethylbenzene	1	0		8.51	16.34	20	20		1.528	1.248	18.31	
1,2-Dibromo-3-Chloropropane	1	0		8.56	17.88	20	20	0.05	0.116	0.104	10.62	
Hexachlorobutadiene	1	0		9.15	15.88	20	20		0.289	0.229	20.59	C1
1,2,4-Trichlorobenzene	1	0		9.06	16.33	20	20	0.2	0.660	0.539	18.33	
1,2,3-Trichlorobenzene	1	0		9.36	16.67	20	20		0.606	0.505	16.67	
Naphthalene	1	0		9.22	16.99	20	20		1.567	1.331	15.06	
Camphene	1	100		0.00	0.00	20	20			0.000	0.00	
p-Ethyltoluene	1	100		0.00	0.00	20	20			0.000	0.00	
Camphor	1	100		0.00	0.00	200	20			0.000	0.00	
p-Diethylbenzene	1	100		0.00	0.00	20	20			0.000	0.00	
Iodomethane	1	100		0.00	0.00	20	20			0.000	0.00	

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

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FORM8

Internal Standard Areas

Evaluation Std Data File: 11M146532.D Method: EPA 8260D

Analysis Date/Time: 01/06/26 16:07

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:	190515	4.99	187303	6.60	122736	7.88								
Eval File Area Limit:	95258-381030		93652-374606		61368-245472									
Eval File Rt Limit:	4.49-5.49		6.1-7.1		7.38-8.38									

Data File Sample#						
11M146531.D CAL @ 1 PPB	267850	4.99	269273	6.60	168437	7.88
11M146532.D CAL @ 20 PPB	190515	4.99	187303	6.60	122736	7.88
11M146533.D 500 PPB	497110A	4.99	331761	6.60	159887	7.88
11M146535.D 500 PPB	164106	4.99	125304	6.60	102930	7.88
11M146537.D 250 PPB	353883	4.99	380167A	6.60	88082	7.88
11M146540.D CAL @ 100 PPB	280296	4.99	277853	6.60	225954	7.88
11M146547.D CAL @ 0.5 PPB	267991	4.99	267310	6.60	166369	7.88
11M146548.D CAL @ 5 PPB	270989	4.99	269124	6.60	172499	7.88
11M146549.D CAL @ 10 PPB	266005	4.99	266392	6.60	171167	7.88
11M146550.D CAL @ 50 PPB	283870	4.99	287289	6.60	196208	7.88
11M146553.D ICV	247353	4.99	250043	6.60	164358	7.88
11M146560.D DAILY BLANK	256263	4.99	259695	6.60	163197	7.88
11M146561.D DAILY BLANK	249756	4.99	260027	6.60	157393	7.88
11M146562.D MDL @ 1 PPB	239515	4.99	242484	6.60	150804	7.88
11M146563.D MDL @ 1 PPB	253387	4.99	249914	6.60	155317	7.88
11M146566.D 57476-001QC	255438	4.99	258108	6.60	159255	7.88
11M146567.D 57476-004	256078	4.99	260466	6.60	161063	7.88
11M146568.D 57461-013	269278	4.99	273822	6.60	169253	7.88
11M146569.D 57461-014	274561	4.99	274627	6.60	169678	7.88
11M146570.D 57461-015	263967	4.99	259976	6.60	163450	7.88
11M146571.D 57461-016	263519	4.99	263941	6.60	164127	7.88
11M146572.D 57461-017	269457	4.99	273654	6.60	169566	7.88
11M146573.D 57461-018	265829	4.99	268665	6.60	164759	7.88
11M146574.D 57461-019	259580	4.99	262721	6.60	160425	7.88
11M146575.D 57461-020	272169	4.99	273485	6.60	173362	7.88
11M146576.D 57461-020(MS)	281827	4.99	282702	6.60	187799	7.88
11M146577.D 57461-020(MSD)	280345	4.99	275960	6.60	184509	7.88
11M146578.D 57390-031	276649	4.99	278424	6.60	175386	7.88
11M146579.D 57390-032	280607	4.99	280625	6.60	174184	7.88
11M146580.D 57390-033	275864	4.99	275491	6.60	171824	7.88
11M146581.D 57390-034	284388	4.99	286809	6.60	177451	7.88
11M146582.D 57390-035	278061	4.99	274549	6.60	170631	7.88

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: 11M146532.D Method: EPA 8260D

Analysis Date/Time: 01/06/26 16:07

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:	190515	4.99	187303	6.60	122736	7.88								
Eval File Area Limit:	95258-381030		93652-374606		61368-245472									
Eval File Rt Limit:	4.49-5.49		6.1-7.1		7.38-8.38									

Data File	Sample#						
11M146583.D	57390-036	281401	4.99	276283	6.60	173422	7.88
11M146584.D	57390-037	271221	4.99	269646	6.60	170912	7.88
11M146585.D	57390-038	275959	4.99	275305	6.60	172362	7.88

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.

6020202 0067

FORM8

Internal Standard Areas

Evaluation Std Data File: 11M147842.D Method: EPA 8260D

Analysis Date/Time: 02/03/26 09:48

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:	231597	4.99	263948	6.60	181286	7.88								
Eval File Area Limit:	115798-463194		131974-527896		90643-362572									
Eval File Rt Limit:	4.49-5.49		6.1-7.1		7.38-8.38									

Data File Sample#						
11M147844.D RINSE	242358	4.99	277617	6.60	172706	7.88
11M147845.D DAILY BLANK	237740	4.99	279548	6.60	175167	7.88
11M147846.D DAILY BLANK	239114	4.99	273290	6.60	173858	7.88
11M147847.D AD58019-010	230321	4.99	261878	6.60	168123	7.88
11M147848.D AD57975-001(T)	240040	4.99	283212	6.60	179219	7.88
11M147849.D AD58019-002(10X)	233217	4.99	270157	6.60	175764	7.88
11M147850.D AD58019-002	236890	4.99	275945	6.60	186297	7.88
11M147851.D MBS129919	267498	4.99	296957	6.60	205308	7.88
11M147852.D DI	239874	4.99	279436	6.60	178306	7.88
11M147853.D AD58020-001	232100	4.99	269884	6.60	174371	7.88
11M147857.D AD57975-001(T:MS)	237843	4.99	269530	6.60	183330	7.88
11M147858.D AD57975-001(T:MSD)	262774	4.99	299181	6.60	201652	7.88
11M147859.D AD58020-002	243720	4.99	282683	6.60	178900	7.88
11M147860.D AD58020-003	236078	4.99	273622	6.60	174717	7.88
11M147861.D 57660-001	230422	4.99	261078	6.60	168504	7.88
11M147862.D MBS129923	168559	4.99	188532	6.60	131357	7.88
11M147863.D AD58019-011	249272	4.99	289174	6.60	182728	7.88
11M147864.D AD58019-012	239100	4.99	278548	6.60	176660	7.88
11M147865.D AD58019-013	231500	4.99	270048	6.60	169922	7.88
11M147866.D AD58019-014	224069	4.99	261823	6.60	165676	7.88
11M147867.D AD57975-002(T)	230971	4.99	271980	6.60	174625	7.88
11M147868.D AD57975-003(T)	230743	4.99	269695	6.60	171976	7.88
11M147869.D AD57975-004(T)	245283	4.99	288961	6.60	181232	7.88
11M147870.D AD57975-005(T)	228444	4.99	262313	6.60	165851	7.88
11M147871.D AD57975-006(T)	240101	4.99	278685	6.60	177933	7.88
11M147872.D AD57975-007(T)	228233	4.99	271876	6.60	166007	7.88
11M147873.D AD57975-008(T)	236151	4.99	274859	6.60	170917	7.88
11M147874.D EF-3V-456463(013126	222965	4.99	265348	6.60	163665	7.88
11M147875.D A-3	232604	4.99	273011	6.60	171666	7.88

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: 11M147966.D Method: EPA 8260D

Analysis Date/Time: 02/05/26 07:20

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:	256927	4.99	311892	6.60	209712	7.88								
Eval File Area Limit:	128464-513854		155946-623784		104856-419424									
Eval File Rt Limit:	4.49-5.49		6.1-7.1		7.38-8.38									

Data File	Sample#						
11M147967.D	20 PPB	274729	4.99	313401	6.60	215078	7.88
11M147968.D	DI	257958	4.99	302829	6.60	189380	7.88
11M147969.D	DAILY BLANK	254029	4.99	302615	6.60	195193	7.88
11M147970.D	DAILY BLANK	246587	4.99	286644	6.60	182551	7.88
11M147972.D	MBS129939	261544	4.99	298508	6.60	202108	7.88
11M147974.D	AD58079-009	240271	4.99	276242	6.60	182632	7.88
11M147975.D	58075-001(10X)	242368	4.99	281010	6.60	180633	7.88
11M147976.D	MBS129943	261190	4.99	302895	6.60	208583	7.88
11M147978.D	AD58079-009(MS)	254989	4.99	296129	6.60	206951	7.88
11M147979.D	AD58079-009(MSD)	266139	4.99	301635	6.60	208508	7.88
11M147980.D	AD58011-002(50X)(T)	254307	4.99	295953	6.60	188775	7.88
11M147981.D	AD58077-007	247949	4.99	288524	6.60	185782	7.88
11M147982.D	AD58077-008	239467	4.99	276388	6.60	172358	7.88
11M147983.D	AD58073-001	251455	4.99	299874	6.60	186348	7.88
11M147984.D	AD58011-002(50X)(T:	218656	4.99	254317	6.60	164549	7.88
11M147985.D	AD58011-002(50X)(T:	233445	4.99	276133	6.60	177581	7.88
11M147986.D	AD58063-005	231793	4.99	272621	6.60	171982	7.88
11M147987.D	AD58063-006	235143	4.99	280943	6.60	178867	7.88
11M147988.D	AD58046-011	227852	4.99	269830	6.60	169992	7.88
11M147989.D	AD58020-002	225197	4.99	268164	6.60	172231	7.88
11M147990.D	AD58046-013	228911	4.99	271386	6.60	168177	7.88
11M147991.D	AD58063-001	235297	4.99	275739	6.60	175108	7.88
11M147992.D	AD58063-002	233227	4.99	277570	6.60	179838	7.88
11M147993.D	AD58063-003	233167	4.99	281366	6.60	178578	7.88
11M147994.D	AD58063-004	228160	4.99	276041	6.60	173106	7.88
11M147995.D	EF-1-V-458387(02052	225391	4.99	260355	6.60	164305	7.88
11M147996.D	AD58084-014	234232	4.99	268790	6.60	171685	7.88
11M147997.D	AD58046-001	224565	4.99	272341	6.60	171596	7.88
11M147998.D	AD58046-003	232092	4.99	277838	6.60	173824	7.88
11M147999.D	AD58046-005	227922	4.99	261912	6.60	168722	7.88
11M148000.D	AD58046-007	223298	4.99	262002	6.60	168069	7.88
11M148001.D	AD58046-009	231754	4.99	273703	6.60	174412	7.88

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Hampton-Clarke
Analytical & Field Services

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