EPA 6020B
Sequence Tables

08/24/22

Dataset Report

User Name: ICPMS2
Computer Name: ICPMS2
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\
Report Date/Time: Thursday, August 25, 2022 08:25:25

The Dataset

Sample ID	Date and Time	Read Type	Descrip	Samp File Name
Torch Alignment	09:47:58 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.001
[STD/KED] Nebulizer Ga	09:48:41 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	09:50:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.003
Mass Calibration and Re	09:51:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	09:51:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check 005
rinse	09:56:14 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.006
rinse	10:00:48 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.007
rinse	10:05:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.008
rinse	10:09:55 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.009
blank	10:14:29 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.010
0.2 ppb i8-142b	10:19:05 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.011
high acid rinse	10:24:59 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\high acid rinse.012
rinse	10:29:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 013
surfactant rinse	10:34:04 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\surfactant rinse.014
rinse	10:38:38 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 015
high acid rinse	10:43:11 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\high acid rinse 016
rinse	10:47:43 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.017
surfactant rinse	10:52:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\surfactant rinse.018
rinse	10:56:50 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.019
rinse	11:04:52 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.020
rinse	11:09:27 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.021
rinse	11:14:29 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.022
rinse	11:21:44 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.023
rinse	11:38:03 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.024
Torch Alignment	11:49:27 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.025
[STD/KED] Nebulizer Ga	11:50:08 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	11:51:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.027
Mass Calibration and Re	11:52:48 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	11:53:12 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check 029
rinse	11:57:09 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.030
rinse	12:01:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.031
rinse	12:06:15 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.032
rinse	12:10:49 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 033
blank	12:15:24 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.034
0.2 ppb i8-142b	12:19:59 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.035
1 ppb i8-139a	12:24:34 Wed 24-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.036
5 ppb i8-140a	12:29:10 Wed 24-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.037
25 ppb i8-141a	12:33:45 Wed 24-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a 038
50 ppb i8-142a	12:38:21 Wed 24-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a 039
rinse	12:42:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.040
rinse	12:47:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 041
30 ppb i8-143a ICV	12:52:05 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.042
ICB	12:56:40 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.043
rinse	13:04:06 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 044
ICB rr	13:08:41 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr 045
0.2 ppb i8-142b LLICV	13:13:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.046
1 ppb i8-139a LLICV	13:17:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.047
5 ppb i8-140a LLICV	13:22:26 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.048
rinse	13:27:01 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.049
SIC i8-102b x1000	13:31:34 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.050
SIC i8-102a x200	13:36:06 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.051
rinse	13:40:40 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.052
Linear range 25-200-0	13:45:13 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.053

Linear range 0-1000-0	13:49:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.054
Linear range 0-0-5000	13:54:17 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.055
rinse	13:59:07 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.056
rinse	14:03:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.057
i2-579 mb	14:08:16 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 mb.058
i2-579 lcs	14:12:50 Wed 24-Aug-22	Spike - 2 of 58	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 lcs.059
208283-01	14:17:25 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-01.060
i2-579 ms 208283-01	14:21:59 Wed 24-Aug-22	Spike - 2 of 60	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 ms 208283-01.061
i2-579 msd 208283-01	14:26:33 Wed 24-Aug-22	Spike - 2 of 60	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 msd 208283-01.062
i2-573 mb2	14:31:07 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-573 mb2.063
208321-02	14:35:40 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-02.064
208321-03	14:40:14 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-03.065
208321-04	14:44:48 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-04.066
208321-05	14:49:22 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-05.067
25 ppb i8-141a CCV (1)	14:53:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (1).068
CCB (1)	14:58:30 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (1).069
208283-02	15:03:05 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-02.070
208325-01 x10	15:07:38 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208325-01 x10.071
rinse	15:28:19 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.072
rinse	15:38:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.073
rinse	15:43:32 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.074
rinse	15:48:08 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.075
rinse	15:53:40 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.076
rinse	15:59:02 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.077
Torch Alignment	16:05:10 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.078
[STD/KED] Nebulizer Ga	16:06:13 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	16:07:48 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.080
Mass Calibration and Re	16:08:53 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	16:09:17 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check.082
[STD/KED] Nebulizer Ga	16:11:49 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
rinse	16:17:42 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.084
rinse	16:22:33 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.085
[STD/KED] Nebulizer Ga	16:26:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
Torch Alignment	16:28:41 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.087
[STD/KED] Nebulizer Ga	16:30:03 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
Torch Alignment	16:33:46 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Torch Alignment.089
[STD/KED] Nebulizer Ga	16:34:39 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	16:36:14 Wed 24-Aug-22	Sample	QID ST	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD-DRC] QID.091
Mass Calibration and Re	16:37:19 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Mass Calibration and Resolutic
[STD] Performance Chec	16:37:43 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check.093
rinse	16:42:09 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.094
rinse	16:46:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.095
rinse	16:51:24 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.096
rinse	16:56:23 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.097
rinse	17:00:57 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.098
rinse	17:16:14 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.099
rinse	17:20:47 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.100
rinse	17:25:20 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 101
blank	17:29:55 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.102
0.2 ppb i8-142b	17:34:31 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.103
1 ppb i8-139a	17:39:07 Wed 24-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.104
5 ppb i8-140a	17:43:41 Wed 24-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.105
25 ppb i8-141a	17:48:16 Wed 24-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a.106
50 ppb i8-142a	17:52:51 Wed 24-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a.107
rinse	17:57:26 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.108
rinse	18:02:01 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.109
30 ppb i8-143a ICV	18:06:35 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.110
ICB	18:11:10 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.111
rinse	18:15:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.112
ICB rr	18:20:19 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr.113
0.2 ppb i8-142b LLICV	18:24:54 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.114
1 ppb i8-139a LLICV	18:29:29 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.115
5 ppb i8-140a LLICV	18:34:04 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.116
rinse	18:38:39 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.117

SIC i8-102b x1000	18:43:12 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.118
SIC i8-102a x200	18:47:45 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.119
rinse	18:52:18 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.120
Linear range 25-200-0	18:56:51 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.121
Linear range 0-1000-0	19:01:23 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.122
Linear range 0-0-5000	19:05:55 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.123
rinse	19:10:29 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.124
rinse	19:15:04 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.125
rinse	19:19:38 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.126
i2-579 mb rr	19:24:13 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 mb rr.127
i2-579 lcs rr	19:28:47 Wed 24-Aug-22	Spike - 2 of 127	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 lcs rr.128
i2-581 mb	19:33:21 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 mb.129
i2-581 lcs	19:37:53 Wed 24-Aug-22	Spike - 2 of 129	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 lcs.130
i2-573 mb2 rr	19:42:26 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-573 mb2 rr.131
208259-01	19:46:59 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-01.132
i2-581 ms 208259-01	19:51:32 Wed 24-Aug-22	Spike - 2 of 132	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 ms 208259-01.133
i2-581 msd 208259-01	19:56:05 Wed 24-Aug-22	Spike - 2 of 132	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 msd 208259-01.134
208259-02	20:00:39 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-02.135
208259-03	20:05:12 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-03.136
25 ppb i8-141a CCV (2)	20:09:46 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (2).137
CCB (2)	20:14:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (2).138
208276-02 rr	20:18:55 Wed 24-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208276-02 rr.139
208360-01	20:23:28 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-01.140
208360-02	20:28:02 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-02.141
208360-03	20:32:35 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-03.142
208360-04	20:37:08 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-04.143
208360-05	20:41:41 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-05.144
208360-06	20:46:14 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-06.145
208360-07	20:50:46 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-07.146
208360-08	20:55:19 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208360-08.147
208321-02 rr	20:59:52 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-02 rr.148
25 ppb i8-141a CCV (3)	21:04:26 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (3).149
CCB (3)	21:09:01 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (3).150
208321-03 rr	21:13:35 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-03 rr.151
208321-04 rr	21:18:09 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-04 rr.152
208321-05 rr	21:22:42 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208321-05 rr.153
208259-01 x5	21:27:15 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208259-01 x5.154
i2-581 ms 208259-01 x5	21:31:48 Wed 24-Aug-22	Spike - 5 of 154	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 ms 208259-01 x5.155
i2-581 msd 208259-01 x5	21:36:22 Wed 24-Aug-22	Spike - 5 of 154	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-581 msd 208259-01 x5.156
208311-01	21:40:55 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-01.157
208311-15	21:45:29 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-15.158
25 ppb i8-141a CCV (4)	21:50:03 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (4).159
CCB (4)	21:54:38 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (4).160
208245-15 x5	21:59:12 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-15 x5.161
208245-20 x5	22:03:44 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-20 x5.162
208245-22 x5	22:08:16 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-22 x5.163
208245-32 x10	22:12:49 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-32 x10.164
208245-32 x5	22:17:23 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-32 x5.165
208245-37 x5	22:21:57 Wed 24-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-37 x5.166
rinse	22:26:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.167
208283-01 rr	22:31:05 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-01 rr.168
i2-579 ms 208283-01 rr	22:35:39 Wed 24-Aug-22	Spike - 2 of 168	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 ms 208283-01 rr.169
i2-579 msd 208283-01 rr	22:40:13 Wed 24-Aug-22	Spike - 2 of 168	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-579 msd 208283-01 rr.170
208283-02 rr	22:44:47 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208283-02 rr.171
25 ppb i8-141a CCV (5)	22:49:21 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (5).172
CCB (5)	22:53:56 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (5).173
208311-16	22:58:30 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-16.174
208311-19	23:03:03 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-19.175
208311-20	23:07:36 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-20.176
208311-23	23:12:09 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-23.177
208311-24	23:16:42 Wed 24-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-24.178
25 ppb i8-141a CCV (6)	23:21:16 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (6).179
CCB (6)	23:25:50 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (6).180
rinse	23:30:25 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.181

rinse	23:34:58 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.182
rinse	23:39:31 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.183
rinse	23:44:05 Wed 24-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.184
blank	23:48:40 Wed 24-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
0.2 ppb i8-142b	23:53:14 Wed 24-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.186
1 ppb i8-139a	23:57:49 Wed 24-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.187
5 ppb i8-140a	00:02:24 Thu 25-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.188
25 ppb i8-141a	00:06:59 Thu 25-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a 189
50 ppb i8-142a	00:11:33 Thu 25-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a.190
rinse	00:16:08 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.191
rinse	00:20:43 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.192
30 ppb i8-143a ICV	00:25:17 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.193
ICB	00:29:52 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.194
rinse	00:34:27 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.195
ICB rr	00:39:01 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr.196
0.2 ppb i8-142b LLICV	00:43:36 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.197
1 ppb i8-139a LLICV	00:48:11 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.198
5 ppb i8-140a LLICV	00:52:46 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.199
rinse	00:57:21 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.200
SIC i8-102b x1000	01:01:54 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.201
SIC i8-102a x200	01:06:26 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.202
rinse	01:11:00 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.203
Linear range 25-200-0	01:15:33 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.204
Linear range 0-1000-0	01:20:05 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.205
Linear range 0-0-5000	01:24:37 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.206
rinse	01:29:10 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.207
rinse	01:33:45 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.208
rinse	01:38:19 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse 209
i2-580 mb	01:42:53 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 mb.210
i2-580 lcs	01:47:27 Thu 25-Aug-22	Spike - 1 of 210	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 lcs.211
208312-01	01:52:00 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-01.212
i2-580 ms 208312-01	01:56:33 Thu 25-Aug-22	Spike - 1 of 212	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 ms 208312-01.213
i2-580 msd 208312-01	02:01:06 Thu 25-Aug-22	Spike - 1 of 212	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 msd 208312-01.214
208312-02	02:05:39 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-02.215
208312-03	02:10:12 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-03.216
208312-04	02:14:44 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-04.217
rinse	02:19:18 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.218
208311-26	02:23:51 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-26.219
208311-27	02:28:24 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208311-27.220
25 ppb i8-141a CCV (7)	02:32:59 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (7).221
CCB (7)	02:37:34 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (7).222
208257-01	02:42:07 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-01.223
208257-02	02:46:39 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-02.224
208257-03	02:51:12 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-03.225
208257-04	02:55:46 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-04.226
208257-05	03:00:20 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-05.227
208342-01 x10	03:04:53 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-01 x10.228
208342-02 x10	03:09:26 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-02 x10.229
rinse	03:14:00 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.230
208325-01 x10 rr	03:18:34 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208325-01 x10 rr.231
208325-02 x10	03:23:07 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208325-02 x10.232
25 ppb i8-141a CCV (8)	03:27:41 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (8).233
CCB (8)	03:32:15 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (8).234
208342-01 x5	03:36:49 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-01 x5.235
208342-02 x5	03:41:22 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-02 x5.236
208342-01	03:45:54 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-01.237
208342-02	03:50:28 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208342-02.238
rinse	03:55:02 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.239
208335-01 x20	03:59:35 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-01 x20.240
208335-02 x10	04:04:09 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-02 x10.241
208335-03 x20	04:08:42 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-03 x20.242
208335-04 x20	04:13:15 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-04 x20.243
25 ppb i8-141a CCV (9)	04:17:49 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (9).244
CCB (9)	04:22:24 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (9).245

208245-09 x10	04:26:58 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-09 x10.246
i2-575 ms 208245-09 x1	04:31:32 Thu 25-Aug-22	Spike - 11 of 246	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-575 ms 208245-09 x10.247
i2-575 msd 208245-09 x	04:36:05 Thu 25-Aug-22	Spike - 11 of 246	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-575 msd 208245-09 x10.248
208245-10 x10	04:40:38 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-10 x10.249
208245-11 x10	04:45:11 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-11 x10.250
208245-12 x5	04:49:44 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-12 x5.251
208245-13 x10	04:54:16 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-13 x10.252
208245-14 x5	04:58:49 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-14 x5.253
rinse	05:03:22 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.254
208335-05 x20	05:07:56 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-05 x20.255
208335-06 x10	05:12:29 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-06 x10.256
25 ppb i8-141a CCV (10)	05:17:03 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (10).257
CCB (10)	05:21:38 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (10).258
208245-15 x5	05:26:11 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-15 x5.259
208245-16 x10	05:30:44 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-16 x10.260
208245-18 x5	05:35:18 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-18 x5.261
208245-20 x10	05:39:52 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-20 x10.262
208245-22 x5	05:44:25 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-22 x5.263
208245-24 x5	05:48:59 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-24 x5.264
208245-26 x5	05:53:32 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-26 x5.265
208245-28 x5	05:58:05 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-28 x5.266
rinse	06:02:39 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.267
rinse	06:07:13 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.268
208335-07 x5	06:11:48 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-07 x5.269
25 ppb i8-141a CCV (11)	06:16:22 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (11).270
CCB (11)	06:20:57 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (11).271
208245-30 x5	06:25:31 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-30 x5.272
208245-32 x5	06:30:03 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-32 x5.273
208245-34 x5	06:34:36 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-34 x5.274
208245-37 x5	06:39:08 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-37 x5.275
208245-39 x5	06:43:41 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-39 x5.276
208245-41 x5	06:48:14 Thu 25-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208245-41 x5.277
rinse	06:52:48 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.278
rinse	06:57:23 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.279
208335-08 x20	07:01:57 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208335-08 x20.280
208336-01 x2	07:06:31 Thu 25-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208336-01 x2.281
25 ppb i8-141a CCV (12)	07:11:06 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (12).282
CCB (12)	07:15:41 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (12).283
Ca rinse	07:20:14 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Ca rinse.284
rinse	07:24:47 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.285
high acid rinse	07:29:20 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\high acid rinse.286
rinse	07:33:53 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.287
rinse	07:38:27 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.288
rinse	07:42:59 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\rinse.289
DIW	07:47:33 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\DIW.290
empty	07:51:15 Thu 25-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\empty.291

EPA 6020B
Instrument Performance Checks

Performance Check Report

Sample ID: [STD] Performance Check
Sample Date/Time: Wednesday, August 24, 2022 16:09:17
Sample Description:
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\STD Performance Check.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check.082
MassCal File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Conditions File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Dual Detector Mode: Pulse
Acq. Dead Time (ns): 35
Current Dead Time (ns): 35
Torch Z position (mm): 0.00

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD	Mode
	Be	9.0	4196.3	4196.283	51.678	1.2	Standard
	In	114.9	65860.7	65860.670	276.652	0.4	Standard
	U	238.1	55959.1	55959.123	387.192	0.7	Standard
[	CeO	155.9	950.8	0.015	0.000	2.6	Standard
| >	Ce	139.9	61748.5	61748.501	405.952	0.7	Standard
[	Ce++	70.0	553.9	0.009	0.000	3.0	Standard
	Bkgd	220.0	0.1	0.067	0.091	136.9	Standard

Current Conditions File Data

Current Value	Description
1.04	Standard - Nebulizer Gas Flow STD/KED [NEB]
1.20	Standard - Auxiliary Gas Flow
18.00	Standard - Plasma Gas Flow
0.00	Standard - Makeup Gas Flow STD/KED [MGF]
0.00	Standard - Oxygen Gas Flow
-10.00	Standard - Deflector Voltage
1600.00	Standard - ICP RF Power
-1681.00	Standard - Analog Stage Voltage
1050.00	Standard - Pulse Stage Voltage
0.00	Standard - Quadrupole Rod Offset STD [QRO]
-15.00	Standard - Cell Rod Offset STD [CRO]
12.00	Standard - Discriminator Threshold
-4.00	Standard - Cell Entrance/Exit Voltage STD
-12.00	Helium KED - KED Mode QRO
-15.00	Helium KED - KED Mode CRO
-6.00	Helium KED - KED Mode Cell Entrance Voltage
-25.00	Helium KED - KED Mode Cell Exit Voltage
475.00	Helium KED - KED Mode Axial Field Voltage
0.00	Helium KED - KED RPa
0.25	Helium KED - KED RPq
0.00	Helium KED - Cell Gas A

Gas outside of range
SP 08/24/22

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/24/2022 4:05:09 PM
End Time: 8/24/2022 4:11:21 PM

Torch Alignment - [Passed]
Vertical: 0.28 mm
Horizontal: -0.22 mm
Intensity: 67557.36

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1.04
Obtained Intensity (In 115): 64950.31
Obtained Formula (CeO 156 / Ce 140): 0.0161 (=947.03 / 58770.64)

[STD/DRC] QID - Optimum value(s): Correlation Coefficient = 0.997; Intercept = -14.49

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.690)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.675)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.714)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.680)

[STD] Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 4196.28
Obtained Intensity (In 115): 65860.67
Obtained Intensity (U 238): 55959.12
Obtained Intensity (Bkgd 220): 0.07
Obtained Formula (CeO 156 / Ce 140): 0.015 (=950.83 / 61748.50)
Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=553.88 / 61748.50)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:05:09 PM

Torch Alignment
- Optimization Settings:
  - Method: Torch Alignment.mth.
  - Intensity Criterion: In 115 Maximum
- Optimization Results:
- [Passed]
  - Vertical: 0.28 mm
  - Horizontal: -0.22 mm
  - Intensity: 67557.36

[STD/KED] Nebulizer Gas Flow
- Optimization Settings:
  - Method: Optimize.mth.
    - Initial Try - Start/End/Step: 0.98/1.04/0.01.
  - Intensity Criterion: In 115 Maximum
  - Formula Criterion: CeO 156 / Ce 140 <= 0.02
- Optimization Results:
- Initial Try
  - Obtained Intensity (In 115): 64950.31
  - Obtained Formula (CeO 156 / Ce 140): 0.0161 (=947.03 / 58770.64)

[Passed] Optimum value(s): 1.04

[STD/DRC] QID
- Optimization Settings:
  - Method: QID Calibration.mth.
    - Initial Try - Start/End/Step: -20/0/0.5.
- Optimization Results:
- Initial Try

Optimum value(s): Correlation Coefficient = 0.997; Intercept = -14.49

Analyte	Mass	Points	DAC	MaxIntensity
Li	7	41	-14.5	24809.5
Mg	24	41	-14.5	37196.4
In	115	41	-10.5	68218.5
Ce	140	41	-10	61106.4
Pb	208	41	-8.5	34108.7
U	238	41	-8.5	55583.9

Mass Calibration and Resolution
- Optimization Settings:
  - Method: Tuning.mth.
  - MassCal File: Default.tun
  - Iterations: 6

```
            Target accuracy (+/- amu): 0.05 for Mass Cal. and 0.03 for Resolution
            Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
            Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.690)
            Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.675)
            Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.714)
            Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.680)
[Passed]  Optimum value(s): N/A

[STD] Performance Check
        Optimization Settings:
            Method: STD Performance Check.mth.
            Intensity Criterion: Be 9 > 2000
            Intensity Criterion: In 115 > 40000
            Intensity Criterion: U 238 > 30000
            Intensity Criterion: Bkgd 220 <= 1
            Formula Criterion: CeO 156 / Ce 140 <= 0.025
            Formula Criterion: Ce++ 70 / Ce 140 <= 0.03

        Optimization Results:
        Initial Try
            Obtained Intensity (Be 9): 4196.28
            Obtained Intensity (In 115): 65860.67
            Obtained Intensity (U 238): 55959.12
            Obtained Intensity (Bkgd 220): 0.07
            Obtained Formula (CeO 156 / Ce 140): 0.015 (=950.83 / 61748.50)
            Obtained Formula (Ce++ 70 / Ce 140): 0.009 (=553.88 / 61748.50)

[Passed]  Optimum value(s): N/A

End Time: 8/24/2022 4:11:21 PM
```

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/24/2022 4:11:49 PM
End Time: 8/24/2022 4:13:23 PM

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1.02
        Obtained Intensity (In 115): 69091.68
        Obtained Formula (CeO 156 / Ce 140): 0.0159 (=960.03 / 60259.83)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:11:49 PM

[STD/KED] Nebulizer Gas Flow
Optimization Settings:
Method: Optimize.mth.
Initial Try - Start/End/Step: 1.02/1.08/0.01.
Intensity Criterion: In 115 Maximum
Formula Criterion: CeO 156 / Ce 140 <= 0.02

Optimization Results:
Initial Try

Obtained Intensity (In 115): 69091.68
Obtained Formula (CeO 156 / Ce 140): 0.0159 (=960.03 / 60259.83)
[Passed] Optimum value(s): 1.02

End Time: 8/24/2022 4:13:23 PM

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/24/2022 4:26:51 PM
End Time: 8/24/2022 4:28:12 PM

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1.02
        Obtained Intensity (In 115): 49032.00
        Obtained Formula (CeO 156 / Ce 140): 0.0153 (=729.02 / 47530.94)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:26:51 PM

[STD/KED] Nebulizer Gas Flow
Optimization Settings:
Method: Optimize.mth.
Initial Try - Start/End/Step: 0.98/1.08/0.02.
Intensity Criterion: In 115 Maximum
Formula Criterion: CeO 156 / Ce 140 <= 0.02

Optimization Results:
Initial Try

Obtained Intensity (In 115): 49032.00
Obtained Formula (CeO 156 / Ce 140): 0.0153 (=729.02 / 47530.94)
[Passed] Optimum value(s): 1.02

End Time: 8/24/2022 4:28:12 PM

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/24/2022 4:28:41 PM
End Time: 8/24/2022 4:29:50 PM

Torch Alignment - [Passed]

Vertical:	0.17 mm
Horizontal:	-0.22 mm
Intensity:	65952.89

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:28:41 PM

Torch Alignment

Optimization Settings:

Method: Torch Alignment.mth.

Intensity Criterion: In 115 Maximum

Optimization Results:

[Passed]

Vertical:	0.17 mm
Horizontal:	-0.22 mm
Intensity:	65952.89

End Time: 8/24/2022 4:29:50 PM

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw:

Start Time: 8/24/2022 4:30:03 PM
End Time: 8/24/2022 4:31:38 PM

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1
        Obtained Intensity (In 115): 61683.88
        Obtained Formula (CeO 156 / Ce 140): 0.0157 (=887.03 / 56638.05)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:30:03 PM

[STD/KED] Nebulizer Gas Flow
    Optimization Settings:
        Method: Optimize.mth.
            Initial Try - Start/End/Step: 0.98/1.04/0.01.
        Intensity Criterion: In 115 Maximum
        Formula Criterion: CeO 156 / Ce 140 <= 0.02

    Optimization Results:
    Initial Try

        Obtained Intensity (In 115): 61683.88
        Obtained Formula (CeO 156 / Ce 140): 0.0157 (=887.03 / 56638.05)
[Passed] Optimum value(s): 1

End Time: 8/24/2022 4:31:38 PM

Performance Check Report

Sample ID: [STD] Performance Check
Sample Date/Time: Wednesday, August 24, 2022 16:37:43
Sample Description:
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\STD Performance Check.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\[STD] Performance Check.093
MassCal File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Conditions File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Dual Detector Mode: Pulse
Acq. Dead Time (ns): 35
Current Dead Time (ns): 35
Torch Z position (mm): 0.00

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD	Mode
	Be	9.0	3931.1	3931.141	33.490	0.9	Standard
	In	114.9	62162.6	62162.622	288.024	0.5	Standard
	U	238.1	53704.2	53704.224	218.087	0.4	Standard
⌈	CeO	155.9	941.3	0.016	0.001	3.3	Standard
|>	Ce	139.9	59050.1	59050.126	257.137	0.4	Standard
⌊	Ce++	70.0	455.1	0.008	0.000	1.9	Standard
	Bkgd	220.0	0.2	0.167	0.204	122.5	Standard

Current Conditions File Data

Current Value	Description
1.01	Standard - Nebulizer Gas Flow STD/KED [NEB]
1.20	Standard - Auxiliary Gas Flow
18.00	Standard - Plasma Gas Flow
0.00	Standard - Makeup Gas Flow STD/KED [MGF]
0.00	Standard - Oxygen Gas Flow
-10.00	Standard - Deflector Voltage
1600.00	Standard - ICP RF Power
-1681.00	Standard - Analog Stage Voltage
1050.00	Standard - Pulse Stage Voltage
0.00	Standard - Quadrupole Rod Offset STD [QRO]
-15.00	Standard - Cell Rod Offset STD [CRO]
12.00	Standard - Discriminator Threshold
-4.00	Standard - Cell Entrance/Exit Voltage STD
-12.00	Helium KED - KED Mode QRO
-15.00	Helium KED - KED Mode CRO
-6.00	Helium KED - KED Mode Cell Entrance Voltage
-25.00	Helium KED - KED Mode Cell Exit Voltage
475.00	Helium KED - KED Mode Axial Field Voltage
0.00	Helium KED - KED RPa
0.25	Helium KED - KED RPq
0.00	Helium KED - Cell Gas A

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/24/2022 4:33:45 PM
End Time: 8/24/2022 4:39:47 PM

Torch Alignment - [Passed]
Vertical: 0.06 mm
Horizontal: -0.27 mm
Intensity: 65479.72

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1.01
Obtained Intensity (In 115): 61174.70
Obtained Formula (CeO 156 / Ce 140): 0.0165 (=906.03 / 54819.98)

[STD/DRC] QID - Optimum value(s): Correlation Coefficient = 0.990; Intercept = -14.14

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.681)
Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.677)
Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.710)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.679)

[STD] Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 3931.14
Obtained Intensity (In 115): 62162.62
Obtained Intensity (U 238): 53704.22
Obtained Intensity (Bkgd 220): 0.17
Obtained Formula (CeO 156 / Ce 140): 0.016 (=941.30 / 59050.13)
Obtained Formula (Ce++ 70 / Ce 140): 0.008 (=455.07 / 59050.13)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Optimization Status

Start Time: 8/24/2022 4:33:45 PM

Torch Alignment

Optimization Settings:

Method: Torch Alignment.mth.

Intensity Criterion: In 115 Maximum

Optimization Results:

[Passed]

Vertical:	0.06 mm
Horizontal:	-0.27 mm
Intensity:	65479.72

[STD/KED] Nebulizer Gas Flow

Optimization Settings:

Method: Optimize.mth.

Initial Try - Start/End/Step: 0.98/1.04/0.01.

Intensity Criterion: In 115 Maximum

Formula Criterion: CeO 156 / Ce 140 <= 0.02

Optimization Results:

Initial Try

Obtained Intensity (In 115): 61174.70

Obtained Formula (CeO 156 / Ce 140): 0.0165 (=906.03 / 54819.98)

[Passed] Optimum value(s): 1.01

[STD/DRC] QID

Optimization Settings:

Method: QID Calibration.mth.

Initial Try - Start/End/Step: -20/0/0.5.

Optimization Results:

Initial Try

Optimum value(s): Correlation Coefficient = 0.990; Intercept = -14.14

Analyte	Mass	Points	DAC	MaxIntensity
Li	7	41	-14.5	25851.4
Mg	24	41	-14.5	30175.8
In	115	41	-11.5	63701.7
Ce	140	41	-9.5	58692.3
Pb	208	41	-8.5	32513
U	238	41	-8.5	54150.4

Mass Calibration and Resolution

Optimization Settings:

Method: Tuning.mth.

MassCal File: Default.tun

Iterations: 6

```
            Target accuracy (+/- amu): 0.05 for Mass Cal. and 0.03 for Resolution
            Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
            Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.681)
            Target/Obtained mass (23.985/24.025), Target/Obtained resolution (0.7/0.677)
            Target/Obtained mass (114.904/114.925), Target/Obtained resolution (0.7/0.710)
            Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.679)
[Passed]  Optimum value(s): N/A

[STD] Performance Check
        Optimization Settings:
            Method: STD Performance Check.mth.
            Intensity Criterion: Be 9 > 2000
            Intensity Criterion: In 115 > 40000
            Intensity Criterion: U 238 > 30000
            Intensity Criterion: Bkgd 220 <= 1
            Formula Criterion: CeO 156 / Ce 140 <= 0.025
            Formula Criterion: Ce++ 70 / Ce 140 <= 0.03

        Optimization Results:
        Initial Try
            Obtained Intensity (Be 9): 3931.14
            Obtained Intensity (In 115): 62162.62
            Obtained Intensity (U 238): 53704.22
            Obtained Intensity (Bkgd 220): 0.17
            Obtained Formula (CeO 156 / Ce 140): 0.016 (=941.30 / 59050.13)
            Obtained Formula (Ce++ 70 / Ce 140): 0.008 (=455.07 / 59050.13)

[Passed]  Optimum value(s): N/A

End Time: 8/24/2022 4:39:47 PM
```

Quantitative Analysis - Summary Report

Sample ID: SIC i8-102b x1000

Sample Date/Time: Thursday, August 25, 2022 01:01:54
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102b x1000.201
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 255
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	161413	1.03		ug/L	Standard
	Li	7	10331	10448	1.22		ug/L	Standard
	Be	9	11	16	14.14	0.001	ug/L	Standard
	Al	27	53531	2785014	1.78	91.525	ug/L	Standard
	Be-1	9	11	16	14.14	0.001	ug/L	Standard
>	Sc	45	234282	246860	2.37		ug/L	Standard
	V	51	5015	4692	13.48	-0.026	ug/L	Standard
	V-1	51	3410	971	7.50	-0.130	ug/L	Standard
	Cr	52	14911	14164	14.55	-0.078	ug/L	Standard
	Cr	53	1213	375	6.44	-0.450	ug/L	Standard
	Mn	55	7071	5044	2.55	-0.096	ug/L	Standard
	Fe	57	23864	132088	2.10	231.236	ug/L	Standard
	Co	59	272	323	7.96	0.002	ug/L	Standard
	Ni	60	392	945	3.60	0.131	ug/L	Standard
	Ni	62	105	171	3.57	0.104	ug/L	Standard
	Cu	63	3208	3309	1.33	-0.002	ug/L	Standard
	Cu	65	1468	1467	2.19	-0.014	ug/L	Standard
	Zn	66	655	486	12.52	-0.088	ug/L	Standard
	Zn	67	112	85	5.28	-0.088	ug/L	Standard
	Zn	68	795	691	2.34	-0.087	ug/L	Standard
	As-2	75	392	427	7.89	0.009	ug/L	Standard
	As-3	75	545	430	4.38	-0.067	ug/L	Standard
	Se-1	77	143	99	1.55	-0.322	ug/L	Standard
	Se-1	82	18	8	46.41	-0.035	ug/L	Standard
>	Ge	72	32845	34099	2.19		ug/L	Standard
	As	75	392	427	7.89	0.012	ug/L	Standard
	As-1	75	545	430	4.38	-0.062	ug/L	Standard
	Se	77	143	99	1.55	-0.303	ug/L	Standard
	Se	82	18	8	46.41	-0.033	ug/L	Standard
	Y	89	344475	365977	3.78		ug/L	Standard
	Mo	98	287	14622	4.64	1.765	ug/L	Standard
	Ag	107	142	120	27.94	-0.002	ug/L	Standard
	Ag	109	144	160	11.28	0.001	ug/L	Standard

	Cd	111	54	55	18.48	-0.000	ug/L	Standard
	Cd	114	189	104	18.69	-0.008	ug/L	Standard
>	In	115	482503	492514	1.78		ug/L	Standard
	Sb	121	2372	3935	3.95	0.120	ug/L	Standard
	Sb	123	1878	3007	2.09	0.113	ug/L	Standard
	Ba	135	54	43	24.05	-0.004	ug/L	Standard
	Ba	137	91	76	23.36	-0.003	ug/L	Standard
	Tb	159	609131	624294	2.91		ug/L	Standard
>	Ho	165	632987	641975	2.40		ug/L	Standard
	Hg	201	23	19	15.80	-0.002	ug/L	Standard
	Hg	202	53	40	11.46	-0.004	ug/L	Standard
	Tl	203	83	60	19.22	-0.001	ug/L	Standard
	Tl	205	188	158	20.28	-0.001	ug/L	Standard
	Pb	208	11117	9287	131.17	-0.039	ug/L	Standard
	Bi	209	353336	369008	1.67		ug/L	Standard
	Th	232	3393	22217	5.15	0.438	ug/L	Standard
	U	238	53	85	28.38	0.001	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.819			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		105.369			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		103.819			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.075			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.420			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: SIC i8-102a x200

Sample Date/Time: Thursday, August 25, 2022 01:06:26
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\SIC i8-102a x200.202
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 256
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	150955	2.35		ug/L	Standard
	Li	7	10331	9861	1.05		ug/L	Standard
	Be	9	11	13	33.53	0.001	ug/L	Standard
	Al	27	53531	134405242	0.97	4817.527	ug/L	Standard
	Be-1	9	11	13	33.53	0.000	ug/L	Standard
>	Sc	45	234282	261917	2.73		ug/L	Standard
	V	51	5015	2383	56.91	-0.159	ug/L	Standard
	V-1	51	3410	50295	9.52	2.058	ug/L	Standard
	Cr	52	14911	18167	10.22	0.028	ug/L	Standard
	Cr	53	1213	16980	8.52	6.962	ug/L	Standard
	Mn	55	7071	7863	2.41	-0.018	ug/L	Standard
	Fe	57	23864	5618134	3.44	10579.646	ug/L	Standard
	Co	59	272	2705	4.74	0.112	ug/L	Standard
	Ni	60	392	1802	4.82	0.286	ug/L	Standard
	Ni	62	105	507	27.84	0.566	ug/L	Standard
	Cu	63	3208	5887	4.80	0.207	ug/L	Standard
	Cu	65	1468	2096	1.84	0.078	ug/L	Standard
	Zn	66	655	1177	3.59	0.160	ug/L	Standard
	Zn	67	112	660	7.14	1.341	ug/L	Standard
	Zn	68	795	971	4.30	0.018	ug/L	Standard
	As-2	75	392	395	11.30	-0.026	ug/L	Standard
	As-3	75	545	1994	0.79	0.588	ug/L	Standard
	Se-1	77	143	631	3.35	2.649	ug/L	Standard
	Se-1	82	18	28	124.46	0.021	ug/L	Standard
>	Ge	72	32845	38809	1.16		ug/L	Standard
	As	75	392	395	11.30	0.001	ug/L	Standard
	As-1	75	545	1994	0.79	0.727	ug/L	Standard
	Se	77	143	631	3.35	3.218	ug/L	Standard
	Se	82	18	28	124.46	0.033	ug/L	Standard
	Y	89	344475	370070	1.96		ug/L	Standard
	Mo	98	287	709385	3.25	89.176	ug/L	Standard
	Ag	107	142	112	16.55	-0.002	ug/L	Standard
	Ag	109	144	122	27.29	-0.001	ug/L	Standard

	Cd	111	54	145	6.47	0.021	ug/L	Standard
	Cd	114	189	784	11.40	0.055	ug/L	Standard
>	In	115	482503	482584	3.06		ug/L	Standard
	Sb	121	2372	2998	2.52	0.051	ug/L	Standard
	Sb	123	1878	2297	1.05	0.044	ug/L	Standard
	Ba	135	54	162	2.23	0.033	ug/L	Standard
	Ba	137	91	274	10.08	0.034	ug/L	Standard
	Tb	159	609131	624821	1.04		ug/L	Standard
>	Ho	165	632987	650679	1.21		ug/L	Standard
	Hg	201	23	34	12.13	0.006	ug/L	Standard
	Hg	202	53	78	26.36	0.007	ug/L	Standard
	Tl	203	83	69	30.70	-0.001	ug/L	Standard
	Tl	205	188	172	17.53	-0.001	ug/L	Standard
	Pb	208	11117	11869	137.69	0.011	ug/L	Standard
	Bi	209	353336	347631	0.32		ug/L	Standard
	Th	232	3393	67405	13.31	1.469	ug/L	Standard
	U	238	53	180	16.02	0.003	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		95.222			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		111.795			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		118.159			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		100.017			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		102.795			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: Linear range 25-200-0

Sample Date/Time: Thursday, August 25, 2022 01:15:33
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 25-200-0.204
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 259
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159442	1.11		ug/L	Standard
	Li	7	10331	10486	2.48		ug/L	Standard
	Be	9	11	624710	1.97	194.103	ug/L	Standard
	Al	27	53531	5930799	1.04	199.459	ug/L	Standard
	Be-1	9	11	624710	1.97	187.975	ug/L	Standard
>	Sc	45	234282	250418	1.37		ug/L	Standard
	V	51	5015	4020315	0.32	200.133	ug/L	Standard
	V-1	51	3410	4037407	0.17	199.322	ug/L	Standard
	Cr	52	14911	3432204	1.16	197.058	ug/L	Standard
	Cr	53	1213	394896	0.50	195.861	ug/L	Standard
	Mn	55	7071	4844721	1.05	197.765	ug/L	Standard
	Fe	57	23864	23160	2.35	-4.663	ug/L	Standard
	Co	59	272	3800221	4.56	197.662	ug/L	Standard
	Ni	60	392	814586	4.33	192.926	ug/L	Standard
	Ni	62	105	117422	4.03	192.306	ug/L	Standard
	Cu	63	3208	1777003	2.90	194.391	ug/L	Standard
	Cu	65	1468	818176	2.69	195.895	ug/L	Standard
	Zn	66	655	436718	3.68	191.873	ug/L	Standard
	Zn	67	112	68523	2.85	192.825	ug/L	Standard
	Zn	68	795	310563	1.84	194.811	ug/L	Standard
	As-2	75	392	461913	1.03	194.847	ug/L	Standard
	As-3	75	545	403294	1.43	194.840	ug/L	Standard
	Se-1	77	143	31664	2.39	200.558	ug/L	Standard
	Se-1	82	18	61752	1.00	197.183	ug/L	Standard
>	Ge	72	32845	34936	3.24		ug/L	Standard
	As	75	392	461913	1.03	196.117	ug/L	Standard
	As-1	75	545	403294	1.43	196.106	ug/L	Standard
	Se	77	143	31664	2.39	201.897	ug/L	Standard
	Se	82	18	61752	1.00	198.479	ug/L	Standard
	Y	89	344475	380109	0.88		ug/L	Standard
	Mo	98	287	1543640	2.51	188.599	ug/L	Standard
	Ag	107	142	2408533	2.13	181.235	ug/L	Standard
	Ag	109	144	3077166	0.36	175.979	ug/L	Standard

	Cd	111	54	852896	0.79	188.046	ug/L	Standard
	Cd	114	189	2147136	1.11	192.993	ug/L	Standard
>	In	115	482503	496504	1.39		ug/L	Standard
	Sb	121	2372	2616798	1.73	204.981	ug/L	Standard
	Sb	123	1878	1980600	3.36	202.488	ug/L	Standard
	Ba	135	54	637791	1.62	191.525	ug/L	Standard
	Ba	137	91	1080036	1.08	193.553	ug/L	Standard
	Tb	159	609131	627307	2.35		ug/L	Standard
>	Ho	165	632987	655085	0.94		ug/L	Standard
	Hg	201	23	41019	2.14	24.378	ug/L	Standard
	Hg	202	53	90090	1.32	24.436	ug/L	Standard
	Tl	203	83	3083789	0.57	191.527	ug/L	Standard
	Tl	205	188	7226037	0.37	188.114	ug/L	Standard
	Pb	208	11117	9569032	0.57	191.310	ug/L	Standard
	Bi	209	353336	349033	2.00		ug/L	Standard
	Th	232	3393	8518651	1.07	194.532	ug/L	Standard
	U	238	53	9316635	1.36	187.678	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		100.576			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		106.887			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		106.365			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.902			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		103.491			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: Linear range 0-1000-0

Sample Date/Time: Thursday, August 25, 2022 01:20:05
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-1000-0.205
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 260
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	154303	1.51		ug/L	Standard
	Li	7	10331	10152	2.54		ug/L	Standard
	Be	9	11	3050337	0.90	979.511	ug/L	Standard
	Al	27	53531	27827575	1.27	974.235	ug/L	Standard
	Be-1	9	11	3050337	0.90	920.421	ug/L	Standard
>	Sc	45	234282	249690	1.09		ug/L	Standard
	V	51	5015	19199978	1.74	925.170	ug/L	Standard
	V-1	51	3410	19171499	1.80	915.851	ug/L	Standard
	Cr	52	14911	16357981	1.88	911.680	ug/L	Standard
	Cr	53	1213	1848097	1.78	888.743	ug/L	Standard
	Mn	55	7071	23077607	2.93	912.092	ug/L	Standard
	Fe	57	23864	21771	1.98	-9.084	ug/L	Standard
	Co	59	272	18074539	4.33	909.713	ug/L	Standard
	Ni	60	392	3902449	3.62	894.717	ug/L	Standard
	Ni	62	105	556072	3.16	881.713	ug/L	Standard
	Cu	63	3208	8604825	4.00	911.824	ug/L	Standard
	Cu	65	1468	3968228	3.03	920.384	ug/L	Standard
	Zn	66	655	2121375	2.58	902.881	ug/L	Standard
	Zn	67	112	328721	2.81	895.989	ug/L	Standard
	Zn	68	795	1472473	2.15	895.300	ug/L	Standard
	As-2	75	392	2224703	2.41	908.033	ug/L	Standard
	As-3	75	545	1944121	2.81	909.200	ug/L	Standard
	Se-1	77	143	154546	2.35	950.526	ug/L	Standard
	Se-1	82	18	298832	1.45	923.204	ug/L	Standard
>	Ge	72	32845	36115	2.61		ug/L	Standard
	As	75	392	2224703	2.41	988.987	ug/L	Standard
	As-1	75	545	1944121	2.81	990.292	ug/L	Standard
	Se	77	143	154546	2.35	1034.838	ug/L	Standard
	Se	82	18	298832	1.45	1005.187	ug/L	Standard
	Y	89	344475	370840	0.92		ug/L	Standard
	Mo	98	287	7600345	2.51	971.805	ug/L	Standard
	Ag	107	142	12485868	2.85	983.049	ug/L	Standard
	Ag	109	144	16223782	2.23	970.683	ug/L	Standard

	Cd	111	54	4225386	2.26	974.730	ug/L	Standard
	Cd	114	189	10153436	1.55	955.036	ug/L	Standard
>	In	115	482503	474518	1.78		ug/L	Standard
	Sb	121	2372	11338175	4.91	929.799	ug/L	Standard
	Sb	123	1878	8687908	4.55	930.005	ug/L	Standard
	Ba	135	54	3295587	1.59	1035.622	ug/L	Standard
	Ba	137	91	5525191	1.10	1036.171	ug/L	Standard
	Tb	159	609131	590213	0.44		ug/L	Standard
>	Ho	165	632987	576447	0.11		ug/L	Standard
	Hg	201	23	194	27.31	0.117	ug/L	Standard
	Hg	202	53	412	26.50	0.112	ug/L	Standard
	Tl	203	83	11422477	0.99	806.176	ug/L	Standard
	Tl	205	188	27111588	0.23	802.058	ug/L	Standard
	Pb	208	11117	35569366	1.23	808.807	ug/L	Standard
	Bi	209	353336	266255	0.81		ug/L	Standard
	Th	232	3393	32623275	0.86	846.879	ug/L	Standard
	U	238	53	34823563	1.55	797.098	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		97.334			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		105.576			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		109.956			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		98.345			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		91.068			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: Linear range 0-0-5000

Sample Date/Time: Thursday, August 25, 2022 01:24:37
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\Linear range 0-0-5000.206
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 252
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	157759	3.35		ug/L	Standard
	Li	7	10331	10209	2.93		ug/L	Standard
	Be	9	11	234	50.73	0.070	ug/L	Standard
	Al	27	53531	43369	8.20	-0.340	ug/L	Standard
	Be-1	9	11	234	50.73	0.066	ug/L	Standard
>	Sc	45	234282	250232	2.63		ug/L	Standard
	V	51	5015	6169	24.80	0.028	ug/L	Standard
	V-1	51	3410	2333	34.89	-0.069	ug/L	Standard
	Cr	52	14911	15643	18.23	-0.054	ug/L	Standard
	Cr	53	1213	523	17.72	-0.393	ug/L	Standard
	Mn	55	7071	6650	13.52	-0.048	ug/L	Standard
	Fe	57	23864	2375793	0.98	4697.489	ug/L	Standard
	Co	59	272	1703	41.92	0.070	ug/L	Standard
	Ni	60	392	435	35.51	-0.000	ug/L	Standard
	Ni	62	105	124	14.52	0.010	ug/L	Standard
	Cu	63	3208	4638	7.56	0.110	ug/L	Standard
	Cu	65	1468	2062	6.40	0.096	ug/L	Standard
	Zn	66	655	1663	2.90	0.390	ug/L	Standard
	Zn	67	112	280	10.57	0.417	ug/L	Standard
	Zn	68	795	1513	3.91	0.373	ug/L	Standard
	As-2	75	392	3776	13.15	1.343	ug/L	Standard
	As-3	75	545	3137	14.03	1.167	ug/L	Standard
	Se-1	77	143	448	21.89	1.755	ug/L	Standard
	Se-1	82	18	705	21.28	2.088	ug/L	Standard
>	Ge	72	32845	36748	2.76		ug/L	Standard
	As	75	392	3776	13.15	1.462	ug/L	Standard
	As-1	75	545	3137	14.03	1.282	ug/L	Standard
	Se	77	143	448	21.89	1.977	ug/L	Standard
	Se	82	18	705	21.28	2.246	ug/L	Standard
	Y	89	344475	365973	2.60		ug/L	Standard
	Mo	98	287	30737	22.97	3.785	ug/L	Standard
	Ag	107	142	4552	38.65	0.337	ug/L	Standard
	Ag	109	144	6140	39.02	0.348	ug/L	Standard

	Cd	111	54	355	76.80	0.067	ug/L	Standard
	Cd	114	189	834	81.65	0.058	ug/L	Standard
>	In	115	482503	487517	1.65		ug/L	Standard
	Sb	121	2372	213687	23.39	16.842	ug/L	Standard
	Sb	123	1878	164692	23.08	16.939	ug/L	Standard
	Ba	135	54	668	44.61	0.187	ug/L	Standard
	Ba	137	91	1180	42.43	0.198	ug/L	Standard
	Tb	159	609131	624876	0.15		ug/L	Standard
>	Ho	165	632987	643740	0.63		ug/L	Standard
	Hg	201	23	71	12.25	0.029	ug/L	Standard
	Hg	202	53	162	6.44	0.030	ug/L	Standard
	Tl	203	83	4576	43.43	0.284	ug/L	Standard
	Tl	205	188	10699	39.91	0.279	ug/L	Standard
	Pb	208	11117	27060	51.97	0.322	ug/L	Standard
	Bi	209	353336	363757	2.31		ug/L	Standard
	Th	232	3393	293497	22.70	6.748	ug/L	Standard
	U	238	53	7987	48.06	0.163	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		99.514			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		106.808			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		111.884			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.039			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.699			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
Checklists

ICP/MS 200.8/6020B Method Data
Calculation/Review Checklist

Instrument: ICP/MS Sequence Date: 08/24/22 Curve #: 3

Item	Satisfactory		Deficient	
	Calc.	Review	Calc.	Review
Batch				
Tune, Optimization, and Daily Performance analyzed	N/A	N/A		
Initial Calibration analyzed and ≥ 0.995	✓	✓		
Initial Calibration Verification (ICV) ± 10% of True Value	✓	✓	Sb ✓	✓
Low Level ICV ± 20% of True Value	✓	✓	Ni ✓	✓
Spectral Interference Check (SIC) analyzed every 12 hours and less than 2 times LLOQ	✓	✓		
Linear Range analyzed ± 10% of True Value	✓	✓		
Continuing Calibration Verification (CCV) within limits (± 15% for 200.8 and ± 10% for 6020 of True Value)	✓	✓	✓	✓
Continuing Calibration Blank (CCB) < PQL	✓	✓	✓	✓
Dilution Test (± 20% of original sample concentration) and/or Post Spike (± 25% of original sample concentration) analyzed	N/A	N/A		
Internal Standards within limits (60-125% for 200.8 and 70-130% for 6020)	✓	✓	✓	✓
Laboratory Control Sample (LCS) recoveries within limits (85%-115% for 200.8 and 80-120% for 6020)	✓	✓		
Matrix Spike (MS) recoveries within limits (70%-130% for 200.8 and 75-125% for 6020)	✓	✓	✓	✓
RPDs within limits	✓	✓		✓
Non-Conformance Report filled out (if needed)	N/A	N/A		
Individual Projects/Part Reports				
Correct extraction information used in calculation	✓	✓		
Each analyte requested and detected on the instrument is reported as detected on part report	✓	✓		
Correct reporting limits listed for each analyte (including dilution factors)	✓	✓		
Correct method blank included in part report	✓	✓		
Extracted and analyzed dates entered correctly	✓	✓		
Worksheets initialed and dated	✓	✓		

Lower Limit of Quantitation (LLOQ) Study Completed: 08/09/22.

Linear Range – Fe: 5000 Hg: 25 Pb: 200 Most Analytes: 200 Other: 50: Ag 109

Notes: 200: Ni, Zn 68, Tl Both

Analyst's Initials and Date SR 08/25/22 Reviewer's Initials and Date 8/26/22

Revision Date: 08/09/22 sops\chklist\ICPMS6020review

EPA 6020B
Initial Calibrations

Quantitative Analysis Calibration Report

File Name: 08-24-22b.cal
File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-24-22b.cal
Calibration Type: External Calibration

3rd curve
S 08/25/22

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Li	7.016	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.02	0.00	0.999966
Al	26.982	Linear Thru Zero	0.18	0.00	0.999822
Be-1	9.012	Linear Thru Zero	0.01	0.00	0.999958
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
V	50.944	Linear Thru Zero	0.57	0.00	0.999965
V-1	50.944	Linear Thru Zero	0.58	0.00	0.999978
Cr	51.941	Linear Thru Zero	0.50	0.00	0.999945
Cr	52.941	Linear Thru Zero	0.06	0.00	0.999909
Mn	54.938	Linear Thru Zero	0.70	0.00	0.999971
Fe	56.935	Linear Thru Zero	0.01	0.00	0.999916
Co	58.933	Linear Thru Zero	0.55	0.00	0.999952
Ni	59.933	Linear Thru Zero	0.12	0.00	0.999911
Ni	61.928	Linear Thru Zero	0.02	0.00	0.999871
Cu	62.930	Linear Thru Zero	0.26	0.00	0.999921
Cu	64.928	Linear Thru Zero	0.12	0.00	0.999860
Zn	65.926	Linear Thru Zero	0.07	0.00	0.999943
Zn	66.927	Linear Thru Zero	0.01	0.00	0.999888
Zn	67.925	Linear Thru Zero	0.05	0.00	0.999914
As-2	74.922	Linear Thru Zero	0.07	0.00	0.999983
As-3	74.922	Linear Thru Zero	0.06	0.00	0.999991
Se-1	76.920	Linear Thru Zero	0.00	0.00	0.999731
Se-1	81.917	Linear Thru Zero	0.01	0.00	0.999996
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.00	0.00	0.999988
As-1	74.922	Linear Thru Zero	0.00	0.00	0.999979
Se	76.920	Linear Thru Zero	0.00	0.00	0.999923
Se	81.917	Linear Thru Zero	0.00	0.00	0.999970
Y	88.905	Linear Thru Zero	0.00	0.00	0.000000
Mo	97.906	Linear Thru Zero	0.02	0.00	0.999964
Ag	106.905	Linear Thru Zero	0.03	0.00	0.999997
Ag	108.905	Linear Thru Zero	0.04	0.00	0.999973
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999998
Cd	113.904	Linear Thru Zero	0.02	0.00	1.000000
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	0.03	0.00	0.998476
Sb	122.904	Linear Thru Zero	0.02	0.00	0.998628
Ba	134.906	Linear Thru Zero	0.01	0.00	0.999999
Ba	136.905	Linear Thru Zero	0.01	0.00	0.999995
Tb	158.925	Linear Thru Zero	0.00	0.00	0.000000
Ho	164.930	Linear Thru Zero	0.00	0.00	0.000000
Hg	200.970	Linear Thru Zero	0.00	0.00	0.999929
Hg	201.971	Linear Thru Zero	0.01	0.00	0.999936
Tl	202.972	Linear Thru Zero	0.02	0.00	0.999954
Tl	204.975	Linear Thru Zero	0.06	0.00	0.999988
Pb	207.977	Linear Thru Zero	0.08	0.00	0.999980
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000
Th	232.038	Linear Thru Zero	0.07	0.00	0.998474
U	238.050	Linear Thru Zero	0.08	0.00	0.999999

Quantitative Analysis - Summary Report

Sample ID: blank

Sample Date/Time: Wednesday, August 24, 2022 23:48:40
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6		158529	2.18		ug/L	Standard
	Li	7		10331	2.35		ug/L	Standard
	Be	9		11	28.36		ug/L	Standard
	Al	27		53531	6.21		ug/L	Standard
	Be-1	9		11	28.36		ug/L	Standard
>	Sc	45		234282	1.70		ug/L	Standard
	V	51		5015	7.80		ug/L	Standard
	V-1	51		3410	1.32		ug/L	Standard
	Cr	52		14911	10.07		ug/L	Standard
	Cr	53		1213	0.83		ug/L	Standard
	Mn	55		7071	1.95		ug/L	Standard
	Fe	57		23864	2.24		ug/L	Standard
	Co	59		272	1.39		ug/L	Standard
	Ni	60		392	8.31		ug/L	Standard
	Ni	62		105	11.87		ug/L	Standard
	Cu	63		3208	1.34		ug/L	Standard
	Cu	65		1468	1.46		ug/L	Standard
	Zn	66		655	4.12		ug/L	Standard
	Zn	67		112	12.16		ug/L	Standard
	Zn	68		795	4.48		ug/L	Standard
	As-2	75		392	0.58		ug/L	Standard
	As-3	75		545	2.68		ug/L	Standard
	Se-1	77		143	11.86		ug/L	Standard
	Se-1	82		18	8.60		ug/L	Standard
>	Ge	72		32845	0.57		ug/L	Standard
	As	75		392	0.58		ug/L	Standard
	As-1	75		545	2.68		ug/L	Standard
	Se	77		143	11.86		ug/L	Standard
	Se	82		18	8.60		ug/L	Standard
	Y	89		344475	2.36		ug/L	Standard
	Mo	98		287	16.34		ug/L	Standard
	Ag	107		142	48.87		ug/L	Standard
	Ag	109		144	4.53		ug/L	Standard

	Cd	111	54	4.74	ug/L	Standard
	Cd	114	189	6.00	ug/L	Standard
>	In	115	482503	1.18	ug/L	Standard
	Sb	121	2372	4.16	ug/L	Standard
	Sb	123	1878	2.69	ug/L	Standard
	Ba	135	54	16.70	ug/L	Standard
	Ba	137	91	13.58	ug/L	Standard
	Tb	159	609131	2.88	ug/L	Standard
>	Ho	165	632987	3.00	ug/L	Standard
	Hg	201	23	27.15	ug/L	Standard
	Hg	202	53	8.97	ug/L	Standard
	Tl	203	83	1.85	ug/L	Standard
	Tl	205	188	10.90	ug/L	Standard
	Pb	208	11117	141.01	ug/L	Standard
	Bi	209	353336	1.55	ug/L	Standard
	Th	232	3393	3.46	ug/L	Standard
	U	238	53	38.49	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 0.2 ppb i8-142b

Sample Date/Time: Wednesday, August 24, 2022 23:53:14
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b.186
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 2
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160201	1.43		ug/L	Standard
	Li	7	10331	10408	2.03		ug/L	Standard
	Be	9	11	657	6.51	0.200	ug/L	Standard
	Al	27	53531	44259	12.89	0.200	ug/L	Standard
	Be-1	9	11	657	6.51	0.200	ug/L	Standard
>	Sc	45	234282	238152	2.76		ug/L	Standard
	V	51	5015	8618	6.05	0.200	ug/L	Standard
	V-1	51	3410	7298	0.71	0.200	ug/L	Standard
	Cr	52	14911	17461	9.97	0.200	ug/L	Standard
	Cr	53	1213	1529	6.10	0.200	ug/L	Standard
	Mn	55	7071	9844	2.57	0.200	ug/L	Standard
	Fe	57	23864	24754	2.38	2.000	ug/L	Standard
	Co	59	272	4059	2.42	0.200	ug/L	Standard
	Ni	60	392	1251	1.92	0.200	ug/L	Standard
	Ni	62	105	221	8.06	0.200	ug/L	Standard
	Cu	63	3208	4720	1.15	0.200	ug/L	Standard
	Cu	65	1468	2169	0.74	0.200	ug/L	Standard
	Zn	66	655	913	2.62	0.200	ug/L	Standard
	Zn	67	112	157	8.39	0.200	ug/L	Standard
	Zn	68	795	1015	0.97	0.200	ug/L	Standard
	As-2	75	392	912	6.37	0.200	ug/L	Standard
	As-3	75	545	931	1.94	0.200	ug/L	Standard
	Se-1	77	143	167	9.89	0.200	ug/L	Standard
	Se-1	82	18	79	13.73	0.200	ug/L	Standard
>	Ge	72	32845	33103	2.61		ug/L	Standard
	As	75	392	912	6.37	0.200	ug/L	Standard
	As-1	75	545	931	1.94	0.200	ug/L	Standard
	Se	77	143	167	9.89	0.200	ug/L	Standard
	Se	82	18	79	13.73	0.200	ug/L	Standard
	Y	89	344475	352157	1.31		ug/L	Standard
	Mo	98	287	1802	3.66	0.200	ug/L	Standard
	Ag	107	142	2698	4.67	0.200	ug/L	Standard
	Ag	109	144	3502	2.04	0.200	ug/L	Standard

	Cd	111	54	984	3.16	0.200	ug/L	Standard
	Cd	114	189	2451	3.37	0.200	ug/L	Standard
>	In	115	482503	493467	2.64		ug/L	Standard
	Sb	121	2372	4350	1.73	0.200	ug/L	Standard
	Sb	123	1878	3280	1.79	0.200	ug/L	Standard
	Ba	135	54	681	5.73	0.200	ug/L	Standard
	Ba	137	91	1206	4.73	0.200	ug/L	Standard
	Tb	159	609131	617064	0.54		ug/L	Standard
>	Ho	165	632987	641786	1.22		ug/L	Standard
	Hg	201	23	82	15.28	0.040	ug/L	Standard
	Hg	202	53	186	11.04	0.040	ug/L	Standard
	Tl	203	83	3240	2.64	0.200	ug/L	Standard
	Tl	205	188	7844	0.91	0.200	ug/L	Standard
	Pb	208	11117	31147	107.02	0.200	ug/L	Standard
	Bi	209	353336	359652	2.69		ug/L	Standard
	Th	232	3393	7667	3.97	0.200	ug/L	Standard
	U	238	53	9777	2.56	0.200	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 1 ppb i8-139a

Sample Date/Time: Wednesday, August 24, 2022 23:57:49
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a.187
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 3
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160543	0.46		ug/L	Standard
	Li	7	10331	10436	1.55		ug/L	Standard
	Be	9	11	3242	0.80	1.000	ug/L	Standard
	Al	27	53531	69341	0.66	1.196	ug/L	Standard
	Be-1	9	11	3242	0.80	1.000	ug/L	Standard
>	Sc	45	234282	238206	1.76		ug/L	Standard
	V	51	5015	23988	2.93	1.002	ug/L	Standard
	V-1	51	3410	22672	0.86	1.000	ug/L	Standard
	Cr	52	14911	30552	5.31	1.008	ug/L	Standard
	Cr	53	1213	3052	1.80	1.006	ug/L	Standard
	Mn	55	7071	28200	2.22	1.014	ug/L	Standard
	Fe	57	23864	28121	2.58	10.036	ug/L	Standard
	Co	59	272	18843	3.69	0.999	ug/L	Standard
	Ni	60	392	6336	3.98	1.011	ug/L	Standard
	Ni	62	105	964	3.20	1.013	ug/L	Standard
	Cu	63	3208	11563	4.29	1.004	ug/L	Standard
	Cu	65	1468	5301	4.86	1.004	ug/L	Standard
	Zn	66	655	2808	4.24	1.016	ug/L	Standard
	Zn	67	112	436	9.89	1.012	ug/L	Standard
	Zn	68	795	2304	7.80	1.011	ug/L	Standard
	As-2	75	392	2635	8.16	0.994	ug/L	Standard
	As-3	75	545	2493	3.20	1.001	ug/L	Standard
	Se-1	77	143	307	6.92	1.011	ug/L	Standard
	Se-1	82	18	312	13.35	0.998	ug/L	Standard
>	Ge	72	32845	33214	4.50		ug/L	Standard
	As	75	392	2635	8.16	0.995	ug/L	Standard
	As-1	75	545	2493	3.20	1.002	ug/L	Standard
	Se	77	143	307	6.92	1.014	ug/L	Standard
	Se	82	18	312	13.35	0.999	ug/L	Standard
	Y	89	344475	355164	0.98		ug/L	Standard
	Mo	98	287	7880	2.29	1.001	ug/L	Standard
	Ag	107	142	12711	5.17	1.000	ug/L	Standard
	Ag	109	144	17090	4.68	1.001	ug/L	Standard

	Cd	111	54	4532	0.41	0.999	ug/L	Standard
	Cd	114	189	10939	1.50	0.999	ug/L	Standard
>	In	115	482503	485913	1.96		ug/L	Standard
	Sb	121	2372	12109	2.56	1.001	ug/L	Standard
	Sb	123	1878	9375	4.32	1.004	ug/L	Standard
	Ba	135	54	3229	1.81	1.001	ug/L	Standard
	Ba	137	91	5482	3.24	0.999	ug/L	Standard
	Tb	159	609131	617314	1.52		ug/L	Standard
>	Ho	165	632987	639785	1.18		ug/L	Standard
	Hg	201	23	285	8.21	0.199	ug/L	Standard
	Hg	202	53	607	5.39	0.199	ug/L	Standard
	Tl	203	83	15869	0.83	1.000	ug/L	Standard
	Tl	205	188	37324	1.05	0.999	ug/L	Standard
	Pb	208	11117	61119	28.88	0.963	ug/L	Standard
	Bi	209	353336	352924	2.10		ug/L	Standard
	Th	232	3393	20999	5.33	0.992	ug/L	Standard
	U	238	53	47667	0.92	0.999	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 5 ppb i8-140a

Sample Date/Time: Thursday, August 25, 2022 00:02:24
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a.188
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 4
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160193	1.39		ug/L	Standard
	Li	7	10331	10458	2.12		ug/L	Standard
	Be	9	11	16158	0.86	5.000	ug/L	Standard
	Al	27	53531	181842	0.65	5.103	ug/L	Standard
	Be-1	9	11	16158	0.86	4.999	ug/L	Standard
>	Sc	45	234282	239602	1.30		ug/L	Standard
	V	51	5015	103696	0.90	5.006	ug/L	Standard
	V-1	51	3410	102460	2.00	5.003	ug/L	Standard
	Cr	52	14911	100441	1.35	5.017	ug/L	Standard
	Cr	53	1213	11141	1.42	5.014	ug/L	Standard
	Mn	55	7071	125008	2.18	5.021	ug/L	Standard
	Fe	57	23864	47150	1.73	50.218	ug/L	Standard
	Co	59	272	94502	2.09	5.000	ug/L	Standard
	Ni	60	392	20665	1.47	4.908	ug/L	Standard
	Ni	62	105	3039	2.36	4.909	ug/L	Standard
	Cu	63	3208	47563	2.61	5.010	ug/L	Standard
	Cu	65	1468	21833	2.08	5.010	ug/L	Standard
	Zn	66	655	11528	2.40	5.003	ug/L	Standard
	Zn	67	112	1822	1.78	5.011	ug/L	Standard
	Zn	68	795	8564	3.70	5.006	ug/L	Standard
	As-2	75	392	12030	2.10	5.004	ug/L	Standard
	As-3	75	545	10696	0.31	5.006	ug/L	Standard
	Se-1	77	143	915	3.37	4.988	ug/L	Standard
	Se-1	82	18	1536	3.54	5.003	ug/L	Standard
>	Ge	72	32845	33658	1.24		ug/L	Standard
	As	75	392	12030	2.10	5.004	ug/L	Standard
	As-1	75	545	10696	0.31	5.006	ug/L	Standard
	Se	77	143	915	3.37	4.988	ug/L	Standard
	Se	82	18	1536	3.54	5.003	ug/L	Standard
	Y	89	344475	359094	1.57		ug/L	Standard
	Mo	98	287	39715	0.48	5.005	ug/L	Standard
	Ag	107	142	64605	2.15	5.002	ug/L	Standard
	Ag	109	144	87252	1.02	5.003	ug/L	Standard

	Cd	111	54	22714	1.29	4.999	ug/L	Standard
	Cd	114	189	55095	0.46	5.001	ug/L	Standard
>	In	115	482503	493533	0.92		ug/L	Standard
	Sb	121	2372	53421	3.60	5.007	ug/L	Standard
	Sb	123	1878	41174	4.21	5.007	ug/L	Standard
	Ba	135	54	16387	1.60	5.003	ug/L	Standard
	Ba	137	91	27339	1.76	4.999	ug/L	Standard
	Tb	159	609131	614991	1.35		ug/L	Standard
>	Ho	165	632987	637718	1.54		ug/L	Standard
	Hg	201	23	1610	2.93	1.007	ug/L	Standard
	Hg	202	53	3544	1.98	1.008	ug/L	Standard
	Tl	203	83	79381	2.56	5.002	ug/L	Standard
	Tl	205	188	189963	3.07	5.005	ug/L	Standard
	Pb	208	11117	255806	6.06	4.989	ug/L	Standard
	Bi	209	353336	358652	2.90		ug/L	Standard
	Th	232	3393	130120	16.03	5.061	ug/L	Standard
	U	238	53	243568	2.35	5.005	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 25 ppb i8-141a

Sample Date/Time: Thursday, August 25, 2022 00:06:59
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a.189
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 5
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160309	2.22		ug/L	Standard
	Li	7	10331	10497	1.94		ug/L	Standard
	Be	9	11	79585	3.28	24.985	ug/L	Standard
	Al	27	53531	786419	2.78	25.145	ug/L	Standard
	Be-1	9	11	79585	3.28	24.966	ug/L	Standard
>	Sc	45	234282	244224	2.72		ug/L	Standard
	V	51	5015	496762	2.08	24.998	ug/L	Standard
	V-1	51	3410	497730	1.94	24.999	ug/L	Standard
	Cr	52	14911	441821	2.02	25.005	ug/L	Standard
	Cr	53	1213	50980	1.29	25.007	ug/L	Standard
	Mn	55	7071	605450	1.63	25.020	ug/L	Standard
	Fe	57	23864	141993	2.04	250.384	ug/L	Standard
	Co	59	272	472243	1.31	25.002	ug/L	Standard
	Ni	60	392	104131	1.36	25.005	ug/L	Standard
	Ni	62	105	15203	2.46	25.011	ug/L	Standard
	Cu	63	3208	228641	1.78	25.019	ug/L	Standard
	Cu	65	1468	105313	2.46	25.023	ug/L	Standard
	Zn	66	655	56578	1.59	25.029	ug/L	Standard
	Zn	67	112	8919	2.72	25.032	ug/L	Standard
	Zn	68	795	40136	1.97	25.016	ug/L	Standard
	As-2	75	392	58135	2.10	24.993	ug/L	Standard
	As-3	75	545	50776	1.83	24.991	ug/L	Standard
	Se-1	77	143	4108	3.43	25.027	ug/L	Standard
	Se-1	82	18	7607	3.74	25.000	ug/L	Standard
>	Ge	72	32845	33668	0.79		ug/L	Standard
	As	75	392	58135	2.10	24.997	ug/L	Standard
	As-1	75	545	50776	1.83	24.995	ug/L	Standard
	Se	77	143	4108	3.43	25.030	ug/L	Standard
	Se	82	18	7607	3.74	25.003	ug/L	Standard
	Y	89	344475	355677	3.52		ug/L	Standard
	Mo	98	287	199794	3.99	25.016	ug/L	Standard
	Ag	107	142	329167	2.01	25.024	ug/L	Standard
	Ag	109	144	439768	2.64	25.013	ug/L	Standard

	Cd	111	54	112808	1.71	24.998	ug/L	Standard
	Cd	114	189	275624	1.65	25.007	ug/L	Standard
>	In	115	482503	491936	1.77		ug/L	Standard
	Sb	121	2372	285776	5.52	25.104	ug/L	Standard
	Sb	123	1878	220381	4.94	25.106	ug/L	Standard
	Ba	135	54	82606	0.99	25.015	ug/L	Standard
	Ba	137	91	137496	0.78	25.012	ug/L	Standard
	Tb	159	609131	614228	0.56		ug/L	Standard
>	Ho	165	632987	641027	1.62		ug/L	Standard
	Hg	201	23	8071	2.78	5.003	ug/L	Standard
	Hg	202	53	17710	0.87	5.003	ug/L	Standard
	Tl	203	83	401459	1.35	25.008	ug/L	Standard
	Tl	205	188	948478	0.68	24.995	ug/L	Standard
	Pb	208	11117	1245335	1.40	25.002	ug/L	Standard
	Bi	209	353336	356440	1.30		ug/L	Standard
	Th	232	3393	991346	10.79	25.369	ug/L	Standard
	U	238	53	1211163	1.68	24.991	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 50 ppb i8-142a

Sample Date/Time: Thursday, August 25, 2022 00:11:33
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\50 ppb i8-142a.190
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 6
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159089	0.64		ug/L	Standard
	Li	7	10331	10365	3.02		ug/L	Standard
	Be	9	11	161252	1.01	50.208	ug/L	Standard
	Al	27	53531	1530475	1.42	50.223	ug/L	Standard
	Be-1	9	11	161252	1.01	50.219	ug/L	Standard
>	Sc	45	234282	241923	2.30		ug/L	Standard
	V	51	5015	982861	1.02	49.786	ug/L	Standard
	V-1	51	3410	990565	0.84	49.831	ug/L	Standard
	Cr	52	14911	859376	1.48	49.735	ug/L	Standard
	Cr	53	1213	98929	1.40	49.659	ug/L	Standard
	Mn	55	7071	1199582	0.32	49.821	ug/L	Standard
	Fe	57	23864	255944	1.55	496.857	ug/L	Standard
	Co	59	272	935302	0.68	49.750	ug/L	Standard
	Ni	60	392	205628	0.40	49.737	ug/L	Standard
	Ni	62	105	29728	0.93	49.652	ug/L	Standard
	Cu	63	3208	446821	2.08	49.684	ug/L	Standard
	Cu	65	1468	203741	2.43	49.578	ug/L	Standard
	Zn	66	655	111241	2.05	49.740	ug/L	Standard
	Zn	67	112	17341	2.74	49.627	ug/L	Standard
	Zn	68	795	78096	2.17	49.668	ug/L	Standard
	As-2	75	392	115999	3.64	49.851	ug/L	Standard
	As-3	75	545	101515	3.72	49.892	ug/L	Standard
	Se-1	77	143	7746	3.46	49.412	ug/L	Standard
	Se-1	82	18	15320	3.54	49.929	ug/L	Standard
>	Ge	72	32845	34179	2.54		ug/L	Standard
	As	75	392	115999	3.64	50.124	ug/L	Standard
	As-1	75	545	101515	3.72	50.165	ug/L	Standard
	Se	77	143	7746	3.46	49.693	ug/L	Standard
	Se	82	18	15320	3.54	50.198	ug/L	Standard
	Y	89	344475	358720	2.52		ug/L	Standard
	Mo	98	287	402982	2.52	50.214	ug/L	Standard
	Ag	107	142	651373	0.83	50.016	ug/L	Standard
	Ag	109	144	853803	0.83	49.814	ug/L	Standard

	Cd	111	54	222075	0.88	49.952	ug/L	Standard
	Cd	114	189	545423	1.48	50.009	ug/L	Standard
>	In	115	482503	486583	1.18		ug/L	Standard
	Sb	121	2372	644809	1.93	51.394	ug/L	Standard
	Sb	123	1878	493354	2.41	51.320	ug/L	Standard
	Ba	135	54	163203	1.75	49.995	ug/L	Standard
	Ba	137	91	273948	1.60	50.080	ug/L	Standard
	Tb	159	609131	622424	2.78		ug/L	Standard
>	Ho	165	632987	645533	2.63		ug/L	Standard
	Hg	201	23	16688	1.74	10.059	ug/L	Standard
	Hg	202	53	36557	2.15	10.055	ug/L	Standard
	Tl	203	83	789306	0.89	49.756	ug/L	Standard
	Tl	205	188	1887631	1.09	49.878	ug/L	Standard
	Pb	208	11117	2465678	0.35	49.871	ug/L	Standard
	Bi	209	353336	353753	1.77		ug/L	Standard
	Th	232	3393	2211096	3.84	51.185	ug/L	Standard
	U	238	53	2446644	0.93	50.028	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 30 ppb i8-143a ICV

Sample Date/Time: Thursday, August 25, 2022 00:25:17
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.193
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 7
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159397	0.82		ug/L	Standard
	Li	7	10331	10430	1.89		ug/L	Standard
	Be	9	11	95311	1.54	29.620	ug/L	Standard
	Al	27	53531	921375	0.97	29.451	ug/L	Standard
	Be-1	9	11	95311	1.54	29.405	ug/L	Standard
>	Sc	45	234282	244165	0.61		ug/L	Standard
	V	51	5015	591828	0.70	30.349	ug/L	Standard
	V-1	51	3410	592762	0.91	30.219	ug/L	Standard
	Cr	52	14911	522540	0.97	30.371	ug/L	Standard
	Cr	53	1213	59868	1.02	30.276	ug/L	Standard
	Mn	55	7071	717253	0.59	30.133	ug/L	Standard
	Fe	57	23864	161761	1.57	299.914	ug/L	Standard
	Co	59	272	559415	0.74	30.215	ug/L	Standard
	Ni	60	392	121623	0.80	29.841	ug/L	Standard
	Ni	62	105	17645	0.98	29.862	ug/L	Standard
	Cu	63	3208	273283	1.56	30.733	ug/L	Standard
	Cu	65	1468	125154	1.27	30.804	ug/L	Standard
	Zn	66	655	66394	1.01	30.041	ug/L	Standard
	Zn	67	112	10468	1.01	30.309	ug/L	Standard
	Zn	68	795	47345	1.40	30.389	ug/L	Standard
	As-2	75	392	69286	1.72	30.190	ug/L	Standard
	As-3	75	545	60674	1.13	30.195	ug/L	Standard
	Se-1	77	143	4755	0.26	30.458	ug/L	Standard
	Se-1	82	18	9249	4.34	30.604	ug/L	Standard
>	Ge	72	32845	33638	0.62		ug/L	Standard
	As	75	392	69286	1.72	29.790	ug/L	Standard
	As-1	75	545	60674	1.13	29.795	ug/L	Standard
	Se	77	143	4755	0.26	30.061	ug/L	Standard
	Se	82	18	9249	4.34	30.198	ug/L	Standard
	Y	89	344475	365596	3.90		ug/L	Standard
	Mo	98	287	237372	3.86	29.484	ug/L	Standard
	Ag	107	142	389566	3.42	29.822	ug/L	Standard
	Ag	109	144	514767	1.72	29.951	ug/L	Standard

	Cd	111	54	131877	1.95	29.580	ug/L	Standard
	Cd	114	189	322802	0.87	29.516	ug/L	Standard
>	In	115	482503	487828	1.33		ug/L	Standard
	Sb	121	2372	326888	7.51	25.889	ug/L	Standard
	Sb	123	1878	251209	6.66	25.966	ug/L	Standard
	Ba	135	54	95983	0.80	29.326	ug/L	Standard
	Ba	137	91	161123	1.70	29.378	ug/L	Standard
	Tb	159	609131	615045	2.02		ug/L	Standard
>	Ho	165	632987	636680	2.58		ug/L	Standard
	Hg	201	23	10291	3.38	6.282	ug/L	Standard
	Hg	202	53	22645	2.88	6.308	ug/L	Standard
	Tl	203	83	471011	2.17	30.095	ug/L	Standard
	Tl	205	188	1118990	2.72	29.966	ug/L	Standard
	Pb	208	11117	1486079	2.77	30.376	ug/L	Standard
	Bi	209	353336	357169	2.16		ug/L	Standard
	Th	232	3393	1158667	14.64	27.098	ug/L	Standard
	U	238	53	1451453	1.92	30.087	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		100.547			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.218			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.415			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.104			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		100.583			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: ICB

Sample Date/Time: Thursday, August 25, 2022 00:29:52
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB.194
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159536	2.30		ug/L	Standard
	Li	7	10331	10307	2.23		ug/L	Standard
	Be	9	11	22	45.30	0.003	ug/L	Standard
	Al	27	53531	51540	6.48	-0.080	ug/L	Standard
	Be-1	9	11	22	45.30	0.003	ug/L	Standard
>	Sc	45	234282	243310	3.79		ug/L	Standard
	V	51	5015	5011	12.97	-0.008	ug/L	Standard
	V-1	51	3410	2732	4.88	-0.040	ug/L	Standard
	Cr	52	14911	15030	11.02	-0.018	ug/L	Standard
	Cr	53	1213	933	6.73	-0.162	ug/L	Standard
	Mn	55	7071	7247	2.49	-0.001	ug/L	Standard
	Fe	57	23864	24350	1.28	-0.455	ug/L	Standard
	Co	59	272	320	18.86	0.002	ug/L	Standard
	Ni	60	392	400	3.76	-0.001	ug/L	Standard
	Ni	62	105	109	11.87	0.001	ug/L	Standard
	Cu	63	3208	3283	2.17	-0.002	ug/L	Standard
	Cu	65	1468	1540	2.50	0.007	ug/L	Standard
	Zn	66	655	650	7.68	-0.011	ug/L	Standard
	Zn	67	112	114	2.83	-0.004	ug/L	Standard
	Zn	68	795	829	4.26	0.007	ug/L	Standard
	As-2	75	392	625	18.88	0.097	ug/L	Standard
	As-3	75	545	675	3.35	0.057	ug/L	Standard
	Se-1	77	143	158	5.52	0.073	ug/L	Standard
	Se-1	82	18	80	48.78	0.206	ug/L	Standard
>	Ge	72	32845	33807	1.31		ug/L	Standard
	As	75	392	625	18.88	0.099	ug/L	Standard
	As-1	75	545	675	3.35	0.062	ug/L	Standard
	Se	77	143	158	5.52	0.091	ug/L	Standard
	Se	82	18	80	48.78	0.205	ug/L	Standard
	Y	89	344475	366310	2.72		ug/L	Standard
	Mo	98	287	3067	12.65	0.346	ug/L	Standard
	Ag	107	142	643	19.43	0.038	ug/L	Standard
	Ag	109	144	831	23.30	0.040	ug/L	Standard

	Cd	111	54	75	24.39	0.005	ug/L	Standard
	Cd	114	189	192	27.78	0.000	ug/L	Standard
>	In	115	482503	487310	0.39		ug/L	Standard
	Sb	121	2372	24938	18.28	1.802	ug/L	Standard
	Sb	123	1878	19403	17.62	1.826	ug/L	Standard
	Ba	135	54	87	26.22	0.010	ug/L	Standard
	Ba	137	91	150	27.84	0.011	ug/L	Standard
	Tb	159	609131	616984	0.37		ug/L	Standard
>	Ho	165	632987	639734	0.35		ug/L	Standard
	Hg	201	23	105	16.51	0.050	ug/L	Standard
	Hg	202	53	262	17.57	0.058	ug/L	Standard
	Tl	203	83	761	38.76	0.043	ug/L	Standard
	Tl	205	188	1860	33.39	0.044	ug/L	Standard
	Pb	208	11117	14855	137.54	0.074	ug/L	Standard
	Bi	209	353336	357966	0.74		ug/L	Standard
	Th	232	3393	90679	22.64	2.040	ug/L	Standard
	U	238	53	727	39.67	0.014	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		100.635			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		103.853			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.928			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		100.996			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.066			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: ICB rr

Sample Date/Time: Thursday, August 25, 2022 00:39:01
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr.196
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	161530	2.43		ug/L	Standard
	Li	7	10331	10425	3.14		ug/L	Standard
	Be	9	11	12	57.52	0.000	ug/L	Standard
	Al	27	53531	53922	8.14	-0.019	ug/L	Standard
	Be-1	9	11	12	57.52	0.000	ug/L	Standard
>	Sc	45	234282	244222	1.95		ug/L	Standard
	V	51	5015	4881	14.67	-0.015	ug/L	Standard
	V-1	51	3410	2502	3.85	-0.051	ug/L	Standard
	Cr	52	14911	15172	13.76	-0.011	ug/L	Standard
	Cr	53	1213	930	6.69	-0.164	ug/L	Standard
	Mn	55	7071	7237	2.99	-0.002	ug/L	Standard
	Fe	57	23864	24040	2.66	-1.153	ug/L	Standard
	Co	59	272	308	17.12	0.002	ug/L	Standard
	Ni	60	392	416	4.67	0.003	ug/L	Standard
	Ni	62	105	107	5.49	-0.003	ug/L	Standard
	Cu	63	3208	3311	1.28	0.001	ug/L	Standard
	Cu	65	1468	1503	2.37	-0.002	ug/L	Standard
	Zn	66	655	647	14.51	-0.012	ug/L	Standard
	Zn	67	112	109	10.14	-0.018	ug/L	Standard
	Zn	68	795	835	8.47	0.010	ug/L	Standard
	As-2	75	392	450	9.56	0.020	ug/L	Standard
	As-3	75	545	549	8.70	-0.006	ug/L	Standard
	Se-1	77	143	130	10.58	-0.111	ug/L	Standard
	Se-1	82	18	5	528.79	-0.043	ug/L	Standard
>	Ge	72	32845	33818	0.22		ug/L	Standard
	As	75	392	450	9.56	0.021	ug/L	Standard
	As-1	75	545	549	8.70	-0.004	ug/L	Standard
	Se	77	143	130	10.58	-0.100	ug/L	Standard
	Se	82	18	5	528.79	-0.041	ug/L	Standard
	Y	89	344475	367943	2.63		ug/L	Standard
	Mo	98	287	710	18.33	0.052	ug/L	Standard
	Ag	107	142	185	14.09	0.003	ug/L	Standard
	Ag	109	144	230	6.40	0.005	ug/L	Standard

	Cd	111	54	72	37.32	0.004	ug/L	Standard
	Cd	114	189	170	23.77	-0.002	ug/L	Standard
>	In	115	482503	492968	2.50		ug/L	Standard
	Sb	121	2372	4960	1.54	0.200	ug/L	Standard
	Sb	123	1878	3797	0.70	0.194	ug/L	Standard
	Ba	135	54	56	14.41	0.000	ug/L	Standard
	Ba	137	91	94	15.10	0.000	ug/L	Standard
	Tb	159	609131	619805	0.25		ug/L	Standard
>	Ho	165	632987	642105	1.21		ug/L	Standard
	Hg	201	23	40	27.31	0.010	ug/L	Standard
	Hg	202	53	94	8.08	0.011	ug/L	Standard
	Tl	203	83	186	9.97	0.006	ug/L	Standard
	Tl	205	188	431	10.54	0.006	ug/L	Standard
	Pb	208	11117	16065	150.89	0.102	ug/L	Standard
	Bi	209	353336	360222	3.03		ug/L	Standard
	Th	232	3393	18009	1.64	0.340	ug/L	Standard
	U	238	53	161	35.32	0.002	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.893			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.242			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.961			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.169			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.440			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 0.2 ppb i8-142b LLICV

Sample Date/Time: Thursday, August 25, 2022 00:43:36
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\0.2 ppb i8-142b LLICV.197
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 2
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160098	2.42		ug/L	Standard
	Li	7	10331	10492	4.00		ug/L	Standard
	Be	9	11	669	0.62	0.204	ug/L	Standard
	Al	27	53531	42363	5.51	-0.396	ug/L	Standard
	Be-1	9	11	669	0.62	0.204	ug/L	Standard
>	Sc	45	234282	242782	1.72		ug/L	Standard
	V	51	5015	8705	5.97	0.178	ug/L	Standard
	V-1	51	3410	6547	3.44	0.152	ug/L	Standard
	Cr	52	14911	17346	7.86	0.109	ug/L	Standard
	Cr	53	1213	1258	2.98	-0.001	ug/L	Standard
	Mn	55	7071	9760	1.17	0.101	ug/L	Standard
	Fe	57	23864	24916	1.08	0.250	ug/L	Standard
	Co	59	272	4058	4.20	0.201	ug/L	Standard
	Ni	60	392	1228	1.34	0.199	ug/L	Standard
	Ni	62	105	219	10.19	0.183	ug/L	Standard
	Cu	63	3208	4742	1.98	0.158	ug/L	Standard
	Cu	65	1468	2202	1.23	0.166	ug/L	Standard
	Zn	66	655	921	4.47	0.108	ug/L	Standard
	Zn	67	112	157	7.09	0.119	ug/L	Standard
	Zn	68	795	1008	3.85	0.117	ug/L	Standard
	As-2	75	392	913	4.44	0.219	ug/L	Standard
	As-3	75	545	922	1.69	0.176	ug/L	Standard
	Se-1	77	143	159	12.00	0.069	ug/L	Standard
	Se-1	82	18	104	10.61	0.278	ug/L	Standard
>	Ge	72	32845	34134	0.84		ug/L	Standard
	As	75	392	913	4.44	0.221	ug/L	Standard
	As-1	75	545	922	1.69	0.182	ug/L	Standard
	Se	77	143	159	12.00	0.090	ug/L	Standard
	Se	82	18	104	10.61	0.279	ug/L	Standard
	Y	89	344475	368286	1.37		ug/L	Standard
	Mo	98	287	2077	5.22	0.221	ug/L	Standard
	Ag	107	142	2683	2.55	0.193	ug/L	Standard
	Ag	109	144	3594	3.09	0.200	ug/L	Standard

	Cd	111	54	993	4.60	0.210	ug/L	Standard
	Cd	114	189	2345	1.56	0.196	ug/L	Standard
>	In	115	482503	490539	1.16		ug/L	Standard
	Sb	121	2372	5855	2.78	0.273	ug/L	Standard
	Sb	123	1878	4467	5.18	0.265	ug/L	Standard
	Ba	135	54	710	5.49	0.199	ug/L	Standard
	Ba	137	91	1133	2.07	0.189	ug/L	Standard
	Tb	159	609131	614743	2.29		ug/L	Standard
>	Ho	165	632987	644805	2.15		ug/L	Standard
	Hg	201	23	91	4.46	0.041	ug/L	Standard
	Hg	202	53	214	4.86	0.044	ug/L	Standard
	Tl	203	83	3327	2.92	0.205	ug/L	Standard
	Tl	205	188	8099	1.05	0.209	ug/L	Standard
	Pb	208	11117	12438	7.01	0.023	ug/L	Standard
	Bi	209	353336	359262	0.88		ug/L	Standard
	Th	232	3393	18248	2.33	0.344	ug/L	Standard
	U	238	53	9941	3.13	0.202	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		100.990			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		103.628			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		103.924			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.666			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.867			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 1 ppb i8-139a LLICV

Sample Date/Time: Thursday, August 25, 2022 00:48:11
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\1 ppb i8-139a LLICV.198
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 3
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160442	0.85		ug/L	Standard
	Li	7	10331	10542	1.18		ug/L	Standard
	Be	9	11	3290	1.67	1.012	ug/L	Standard
	Al	27	53531	69347	4.43	0.512	ug/L	Standard
	Be-1	9	11	3290	1.67	0.992	ug/L	Standard
>	Sc	45	234282	249082	2.82		ug/L	Standard
	V	51	5015	24567	1.93	0.977	ug/L	Standard
	V-1	51	3410	22506	0.57	0.949	ug/L	Standard
	Cr	52	14911	31614	5.21	0.936	ug/L	Standard
	Cr	53	1213	2921	3.22	0.833	ug/L	Standard
	Mn	55	7071	29131	2.00	0.901	ug/L	Standard
	Fe	57	23864	28344	3.10	7.123	ug/L	Standard
	Co	59	272	19218	2.20	1.000	ug/L	Standard
	Ni	60	392	6317	1.76	1.421	ug/L	Standard
	Ni	62	105	964	7.21	1.420	ug/L	Standard
	Cu	63	3208	11856	2.40	0.945	ug/L	Standard
	Cu	65	1468	5448	2.00	0.952	ug/L	Standard
	Zn	66	655	2845	2.27	0.964	ug/L	Standard
	Zn	67	112	436	6.69	0.912	ug/L	Standard
	Zn	68	795	2348	2.80	0.967	ug/L	Standard
	As-2	75	392	2715	2.00	0.987	ug/L	Standard
	As-3	75	545	2510	1.07	0.952	ug/L	Standard
	Se-1	77	143	281	1.75	0.853	ug/L	Standard
	Se-1	82	18	314	13.82	0.958	ug/L	Standard
>	Ge	72	32845	34413	1.83		ug/L	Standard
	As	75	392	2715	2.00	0.996	ug/L	Standard
	As-1	75	545	2510	1.07	0.964	ug/L	Standard
	Se	77	143	281	1.75	0.884	ug/L	Standard
	Se	82	18	314	13.82	0.964	ug/L	Standard
	Y	89	344475	371163	2.52		ug/L	Standard
	Mo	98	287	8235	2.66	0.982	ug/L	Standard
	Ag	107	142	13116	1.70	0.988	ug/L	Standard
	Ag	109	144	17443	2.01	1.001	ug/L	Standard

	Cd	111	54	4526	1.97	0.998	ug/L	Standard
	Cd	114	189	10917	2.06	0.976	ug/L	Standard
>	In	115	482503	490769	2.80		ug/L	Standard
	Sb	121	2372	13396	2.68	0.871	ug/L	Standard
	Sb	123	1878	10237	4.05	0.862	ug/L	Standard
	Ba	135	54	3246	2.15	0.970	ug/L	Standard
	Ba	137	91	5528	1.12	0.986	ug/L	Standard
	Tb	159	609131	625825	1.93		ug/L	Standard
>	Ho	165	632987	645389	1.64		ug/L	Standard
	Hg	201	23	278	4.84	0.153	ug/L	Standard
	Hg	202	53	607	6.84	0.152	ug/L	Standard
	Tl	203	83	15834	2.24	0.993	ug/L	Standard
	Tl	205	188	37855	1.21	0.995	ug/L	Standard
	Pb	208	11117	62920	22.76	1.049	ug/L	Standard
	Bi	209	353336	362051	1.37		ug/L	Standard
	Th	232	3393	29655	2.03	0.607	ug/L	Standard
	U	238	53	48467	0.12	0.990	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.207			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		106.317			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		104.774			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.713			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.959			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 5 ppb i8-140a LLICV

Sample Date/Time: Thursday, August 25, 2022 00:52:46
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\5 ppb i8-140a LLICV.199
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 4
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160563	1.08		ug/L	Standard
	Li	7	10331	10449	1.43		ug/L	Standard
	Be	9	11	16292	0.25	5.023	ug/L	Standard
	Al	27	53531	185612	1.77	4.429	ug/L	Standard
	Be-1	9	11	16292	0.25	4.997	ug/L	Standard
>	Sc	45	234282	245443	0.74		ug/L	Standard
	V	51	5015	105092	0.53	5.058	ug/L	Standard
	V-1	51	3410	103342	1.10	5.010	ug/L	Standard
	Cr	52	14911	101378	0.75	5.030	ug/L	Standard
	Cr	53	1213	10965	2.85	4.903	ug/L	Standard
	Mn	55	7071	125741	3.30	4.917	ug/L	Standard
	Fe	57	23864	47689	1.25	48.605	ug/L	Standard
	Co	59	272	95536	2.22	5.040	ug/L	Standard
	Ni	60	392	21028	2.68	4.969	ug/L	Standard
	Ni	62	105	3132	2.80	5.037	ug/L	Standard
	Cu	63	3208	48675	1.94	5.051	ug/L	Standard
	Cu	65	1468	22007	3.52	4.992	ug/L	Standard
	Zn	66	655	11690	3.83	4.924	ug/L	Standard
	Zn	67	112	1872	3.19	5.031	ug/L	Standard
	Zn	68	795	8732	1.04	5.052	ug/L	Standard
	As-2	75	392	12129	2.56	5.029	ug/L	Standard
	As-3	75	545	10763	1.85	5.013	ug/L	Standard
	Se-1	77	143	901	4.59	4.863	ug/L	Standard
	Se-1	82	18	1550	3.79	4.971	ug/L	Standard
>	Ge	72	32845	34355	1.50		ug/L	Standard
	As	75	392	12129	2.56	5.036	ug/L	Standard
	As-1	75	545	10763	1.85	5.022	ug/L	Standard
	Se	77	143	901	4.59	4.892	ug/L	Standard
	Se	82	18	1550	3.79	4.976	ug/L	Standard
	Y	89	344475	372150	0.76		ug/L	Standard
	Mo	98	287	39504	0.37	4.842	ug/L	Standard
	Ag	107	142	66120	0.79	5.017	ug/L	Standard
	Ag	109	144	87163	0.50	5.028	ug/L	Standard

	Cd	111	54	22410	1.37	4.981	ug/L	Standard
	Cd	114	189	55078	0.94	4.985	ug/L	Standard
>	In	115	482503	491391	0.67		ug/L	Standard
	Sb	121	2372	55216	3.45	4.183	ug/L	Standard
	Sb	123	1878	42210	2.83	4.167	ug/L	Standard
	Ba	135	54	16252	1.18	4.915	ug/L	Standard
	Ba	137	91	27342	1.63	4.935	ug/L	Standard
	Tb	159	609131	622993	1.89		ug/L	Standard
>	Ho	165	632987	642310	1.80		ug/L	Standard
	Hg	201	23	1621	3.83	0.969	ug/L	Standard
	Hg	202	53	3557	2.06	0.970	ug/L	Standard
	Tl	203	83	79794	2.05	5.049	ug/L	Standard
	Tl	205	188	190350	1.63	5.049	ug/L	Standard
	Pb	208	11117	255014	3.32	4.976	ug/L	Standard
	Bi	209	353336	361594	2.04		ug/L	Standard
	Th	232	3393	134499	16.15	3.050	ug/L	Standard
	U	238	53	244543	2.41	5.022	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.283			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.764			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		104.597			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.842			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.473			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
CCVs

Quantitative Analysis - Summary Report

Sample ID: 30 ppb i8-143a ICV

Sample Date/Time: Thursday, August 25, 2022 00:25:17
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\30 ppb i8-143a ICV.193
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 7
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159397	0.82		ug/L	Standard
	Li	7	10331	10430	1.89		ug/L	Standard
	Be	9	11	95311	1.54	29.620	ug/L	Standard
	Al	27	53531	921375	0.97	29.451	ug/L	Standard
	Be-1	9	11	95311	1.54	29.405	ug/L	Standard
>	Sc	45	234282	244165	0.61		ug/L	Standard
	V	51	5015	591828	0.70	30.349	ug/L	Standard
	V-1	51	3410	592762	0.91	30.219	ug/L	Standard
	Cr	52	14911	522540	0.97	30.371	ug/L	Standard
	Cr	53	1213	59868	1.02	30.276	ug/L	Standard
	Mn	55	7071	717253	0.59	30.133	ug/L	Standard
	Fe	57	23864	161761	1.57	299.914	ug/L	Standard
	Co	59	272	559415	0.74	30.215	ug/L	Standard
	Ni	60	392	121623	0.80	29.841	ug/L	Standard
	Ni	62	105	17645	0.98	29.862	ug/L	Standard
	Cu	63	3208	273283	1.56	30.733	ug/L	Standard
	Cu	65	1468	125154	1.27	30.804	ug/L	Standard
	Zn	66	655	66394	1.01	30.041	ug/L	Standard
	Zn	67	112	10468	1.01	30.309	ug/L	Standard
	Zn	68	795	47345	1.40	30.389	ug/L	Standard
	As-2	75	392	69286	1.72	30.190	ug/L	Standard
	As-3	75	545	60674	1.13	30.195	ug/L	Standard
	Se-1	77	143	4755	0.26	30.458	ug/L	Standard
	Se-1	82	18	9249	4.34	30.604	ug/L	Standard
>	Ge	72	32845	33638	0.62		ug/L	Standard
	As	75	392	69286	1.72	29.790	ug/L	Standard
	As-1	75	545	60674	1.13	29.795	ug/L	Standard
	Se	77	143	4755	0.26	30.061	ug/L	Standard
	Se	82	18	9249	4.34	30.198	ug/L	Standard
	Y	89	344475	365596	3.90		ug/L	Standard
	Mo	98	287	237372	3.86	29.484	ug/L	Standard
	Ag	107	142	389566	3.42	29.822	ug/L	Standard
	Ag	109	144	514767	1.72	29.951	ug/L	Standard

	Cd	111	54	131877	1.95	29.580	ug/L	Standard
	Cd	114	189	322802	0.87	29.516	ug/L	Standard
>	In	115	482503	487828	1.33		ug/L	Standard
	Sb	121	2372	326888	7.51	25.889	ug/L	Standard
	Sb	123	1878	251209	6.66	25.966	ug/L	Standard
	Ba	135	54	95983	0.80	29.326	ug/L	Standard
	Ba	137	91	161123	1.70	29.378	ug/L	Standard
	Tb	159	609131	615045	2.02		ug/L	Standard
>	Ho	165	632987	636680	2.58		ug/L	Standard
	Hg	201	23	10291	3.38	6.282	ug/L	Standard
	Hg	202	53	22645	2.88	6.308	ug/L	Standard
	Tl	203	83	471011	2.17	30.095	ug/L	Standard
	Tl	205	188	1118990	2.72	29.966	ug/L	Standard
	Pb	208	11117	1486079	2.77	30.376	ug/L	Standard
	Bi	209	353336	357169	2.16		ug/L	Standard
	Th	232	3393	1158667	14.64	27.098	ug/L	Standard
	U	238	53	1451453	1.92	30.087	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		100.547			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.218			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.415			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.104			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		100.583			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: ICB rr

Sample Date/Time: Thursday, August 25, 2022 00:39:01
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\ICB rr.196
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	161530	2.43		ug/L	Standard
	Li	7	10331	10425	3.14		ug/L	Standard
	Be	9	11	12	57.52	0.000	ug/L	Standard
	Al	27	53531	53922	8.14	-0.019	ug/L	Standard
	Be-1	9	11	12	57.52	0.000	ug/L	Standard
>	Sc	45	234282	244222	1.95		ug/L	Standard
	V	51	5015	4881	14.67	-0.015	ug/L	Standard
	V-1	51	3410	2502	3.85	-0.051	ug/L	Standard
	Cr	52	14911	15172	13.76	-0.011	ug/L	Standard
	Cr	53	1213	930	6.69	-0.164	ug/L	Standard
	Mn	55	7071	7237	2.99	-0.002	ug/L	Standard
	Fe	57	23864	24040	2.66	-1.153	ug/L	Standard
	Co	59	272	308	17.12	0.002	ug/L	Standard
	Ni	60	392	416	4.67	0.003	ug/L	Standard
	Ni	62	105	107	5.49	-0.003	ug/L	Standard
	Cu	63	3208	3311	1.28	0.001	ug/L	Standard
	Cu	65	1468	1503	2.37	-0.002	ug/L	Standard
	Zn	66	655	647	14.51	-0.012	ug/L	Standard
	Zn	67	112	109	10.14	-0.018	ug/L	Standard
	Zn	68	795	835	8.47	0.010	ug/L	Standard
	As-2	75	392	450	9.56	0.020	ug/L	Standard
	As-3	75	545	549	8.70	-0.006	ug/L	Standard
	Se-1	77	143	130	10.58	-0.111	ug/L	Standard
	Se-1	82	18	5	528.79	-0.043	ug/L	Standard
>	Ge	72	32845	33818	0.22		ug/L	Standard
	As	75	392	450	9.56	0.021	ug/L	Standard
	As-1	75	545	549	8.70	-0.004	ug/L	Standard
	Se	77	143	130	10.58	-0.100	ug/L	Standard
	Se	82	18	5	528.79	-0.041	ug/L	Standard
	Y	89	344475	367943	2.63		ug/L	Standard
	Mo	98	287	710	18.33	0.052	ug/L	Standard
	Ag	107	142	185	14.09	0.003	ug/L	Standard
	Ag	109	144	230	6.40	0.005	ug/L	Standard

	Cd	111	54	72	37.32	0.004	ug/L	Standard
	Cd	114	189	170	23.77	-0.002	ug/L	Standard
>	In	115	482503	492968	2.50		ug/L	Standard
	Sb	121	2372	4960	1.54	0.200	ug/L	Standard
	Sb	123	1878	3797	0.70	0.194	ug/L	Standard
	Ba	135	54	56	14.41	0.000	ug/L	Standard
	Ba	137	91	94	15.10	0.000	ug/L	Standard
	Tb	159	609131	619805	0.25		ug/L	Standard
>	Ho	165	632987	642105	1.21		ug/L	Standard
	Hg	201	23	40	27.31	0.010	ug/L	Standard
	Hg	202	53	94	8.08	0.011	ug/L	Standard
	Tl	203	83	186	9.97	0.006	ug/L	Standard
	Tl	205	188	431	10.54	0.006	ug/L	Standard
	Pb	208	11117	16065	150.89	0.102	ug/L	Standard
	Bi	209	353336	360222	3.03		ug/L	Standard
	Th	232	3393	18009	1.64	0.340	ug/L	Standard
	U	238	53	161	35.32	0.002	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.893			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.242			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.961			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.169			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.440			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 25 ppb i8-141a CCV (7)

Sample Date/Time: Thursday, August 25, 2022 02:32:59
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (7).221
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 5
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	157420	1.91		ug/L	Standard
	Li	7	10331	10444	2.92		ug/L	Standard
	Be	9	11	82296	1.37	25.896	ug/L	Standard
	Al	27	53531	806447	1.60	25.894	ug/L	Standard
	Be-1	9	11	82296	1.37	24.143	ug/L	Standard
>	Sc	45	234282	256827	2.80		ug/L	Standard
	V	51	5015	513170	1.24	25.147	ug/L	Standard
	V-1	51	3410	521355	1.08	25.414	ug/L	Standard
	Cr	52	14911	458014	0.62	25.333	ug/L	Standard
	Cr	53	1213	54454	1.39	26.277	ug/L	Standard
	Mn	55	7071	642020	1.07	25.769	ug/L	Standard
	Fe	57	23864	148475	0.16	256.981	ug/L	Standard
	Co	59	272	488845	0.66	25.270	ug/L	Standard
	Ni	60	392	107242	0.56	25.169	ug/L	Standard
	Ni	62	105	15513	1.70	25.095	ug/L	Standard
	Cu	63	3208	234911	1.98	25.213	ug/L	Standard
	Cu	65	1468	107421	2.08	25.233	ug/L	Standard
	Zn	66	655	58352	2.15	25.216	ug/L	Standard
	Zn	67	112	9297	2.07	25.709	ug/L	Standard
	Zn	68	795	42035	1.78	25.738	ug/L	Standard
	As-2	75	392	60085	1.45	25.026	ug/L	Standard
	As-3	75	545	53171	1.94	25.277	ug/L	Standard
	Se-1	77	143	4292	3.96	26.176	ug/L	Standard
	Se-1	82	18	7909	2.02	25.034	ug/L	Standard
>	Ge	72	32845	35151	1.71		ug/L	Standard
	As	75	392	60085	1.45	26.307	ug/L	Standard
	As-1	75	545	53171	1.94	26.575	ug/L	Standard
	Se	77	143	4292	3.96	27.569	ug/L	Standard
	Se	82	18	7909	2.02	26.312	ug/L	Standard
	Y	89	344475	395018	3.29		ug/L	Standard
	Mo	98	287	189394	1.82	23.970	ug/L	Standard
	Ag	107	142	340408	1.25	26.560	ug/L	Standard
	Ag	109	144	426616	2.08	25.292	ug/L	Standard

	Cd	111	54	105612	1.40	24.139	ug/L	Standard
	Cd	114	189	262510	1.54	24.456	ug/L	Standard
>	In	115	482503	478722	1.57		ug/L	Standard
	Sb	121	2372	275781	5.68	22.231	ug/L	Standard
	Sb	123	1878	209620	6.38	22.050	ug/L	Standard
	Ba	135	54	79014	1.10	24.597	ug/L	Standard
	Ba	137	91	132276	0.84	24.574	ug/L	Standard
	Tb	159	609131	615364	1.21		ug/L	Standard
>	Ho	165	632987	641678	0.75		ug/L	Standard
	Hg	201	23	8101	1.81	4.904	ug/L	Standard
	Hg	202	53	17820	1.30	4.923	ug/L	Standard
	Tl	203	83	403622	1.66	25.587	ug/L	Standard
	Tl	205	188	969289	0.55	25.756	ug/L	Standard
	Pb	208	11117	1263385	1.67	25.585	ug/L	Standard
	Bi	209	353336	364860	2.41		ug/L	Standard
	Th	232	3393	1031579	8.16	23.973	ug/L	Standard
	U	238	53	1271707	1.63	26.151	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		99.300			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		109.623			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		107.019			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		99.216			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.373			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: CCB (7)

Sample Date/Time: Thursday, August 25, 2022 02:37:34
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (7).222
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	159670	3.21		ug/L	Standard
	Li	7	10331	10461	2.72		ug/L	Standard
	Be	9	11	17	71.56	0.002	ug/L	Standard
	Al	27	53531	56036	6.44	0.073	ug/L	Standard
	Be-1	9	11	17	71.56	0.001	ug/L	Standard
>	Sc	45	234282	253911	2.06		ug/L	Standard
	V	51	5015	5185	7.71	-0.011	ug/L	Standard
	V-1	51	3410	4816	2.53	0.056	ug/L	Standard
	Cr	52	14911	15805	12.28	-0.015	ug/L	Standard
	Cr	53	1213	1636	7.15	0.161	ug/L	Standard
	Mn	55	7071	7546	3.22	-0.003	ug/L	Standard
	Fe	57	23864	24853	3.18	-1.795	ug/L	Standard
	Co	59	272	328	31.66	0.002	ug/L	Standard
	Ni	60	392	437	13.98	0.004	ug/L	Standard
	Ni	62	105	112	3.22	-0.003	ug/L	Standard
	Cu	63	3208	3401	2.28	-0.006	ug/L	Standard
	Cu	65	1468	1523	5.50	-0.014	ug/L	Standard
	Zn	66	655	686	15.76	-0.009	ug/L	Standard
	Zn	67	112	130	15.84	0.028	ug/L	Standard
	Zn	68	795	839	9.56	-0.011	ug/L	Standard
	As-2	75	392	545	13.93	0.051	ug/L	Standard
	As-3	75	545	687	4.33	0.048	ug/L	Standard
	Se-1	77	143	179	10.93	0.162	ug/L	Standard
	Se-1	82	18	58	16.96	0.123	ug/L	Standard
>	Ge	72	32845	35403	1.64		ug/L	Standard
	As	75	392	545	13.93	0.067	ug/L	Standard
	As-1	75	545	687	4.33	0.071	ug/L	Standard
	Se	77	143	179	10.93	0.241	ug/L	Standard
	Se	82	18	58	16.96	0.133	ug/L	Standard
	Y	89	344475	400723	0.27		ug/L	Standard
	Mo	98	287	2546	12.73	0.284	ug/L	Standard
	Ag	107	142	597	26.82	0.035	ug/L	Standard
	Ag	109	144	778	25.57	0.037	ug/L	Standard

	Cd	111	54	74	29.05	0.005	ug/L	Standard
	Cd	114	189	162	35.46	-0.003	ug/L	Standard
>	In	115	482503	482568	1.57		ug/L	Standard
	Sb	121	2372	20379	14.76	1.453	ug/L	Standard
	Sb	123	1878	15666	15.32	1.453	ug/L	Standard
	Ba	135	54	88	23.77	0.011	ug/L	Standard
	Ba	137	91	153	26.67	0.011	ug/L	Standard
	Tb	159	609131	612463	1.14		ug/L	Standard
>	Ho	165	632987	642130	1.00		ug/L	Standard
	Hg	201	23	102	21.50	0.048	ug/L	Standard
	Hg	202	53	203	13.05	0.041	ug/L	Standard
	Tl	203	83	623	39.10	0.034	ug/L	Standard
	Tl	205	188	1536	39.53	0.036	ug/L	Standard
	Pb	208	11117	7541	105.47	-0.077	ug/L	Standard
	Bi	209	353336	367823	1.45		ug/L	Standard
	Th	232	3393	57980	27.09	1.270	ug/L	Standard
	U	238	53	594	38.41	0.011	ug/L	Standard

QC Calcuiated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel % Difference
>	6	Li		100.719			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		108.378			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		107.789			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		100.013			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.444			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 25 ppb i8-141a CCV (8)

Sample Date/Time: Thursday, August 25, 2022 03:27:41
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\25 ppb i8-141a CCV (8).233
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 5
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	161070	2.56		ug/L	Standard
	Li	7	10331	10501	1.81		ug/L	Standard
	Be	9	11	80754	3.26	24.830	ug/L	Standard
	Al	27	53531	805019	3.53	25.214	ug/L	Standard
	Be-1	9	11	80754	3.26	24.112	ug/L	Standard
>	Sc	45	234282	252270	2.83		ug/L	Standard
	V	51	5015	515030	1.26	25.825	ug/L	Standard
	V-1	51	3410	519231	1.38	25.897	ug/L	Standard
	Cr	52	14911	453873	1.88	25.695	ug/L	Standard
	Cr	53	1213	53083	2.71	26.206	ug/L	Standard
	Mn	55	7071	614597	1.50	25.235	ug/L	Standard
	Fe	57	23864	144331	0.60	255.308	ug/L	Standard
	Co	59	272	482429	0.96	25.513	ug/L	Standard
	Ni	60	392	106433	0.74	25.558	ug/L	Standard
	Ni	62	105	15584	1.58	25.803	ug/L	Standard
	Cu	63	3208	230432	1.67	25.310	ug/L	Standard
	Cu	65	1468	105872	1.88	25.452	ug/L	Standard
	Zn	66	655	56764	0.98	25.102	ug/L	Standard
	Zn	67	112	9076	1.21	25.686	ug/L	Standard
	Zn	68	795	40819	0.41	25.573	ug/L	Standard
	As-2	75	392	58733	1.39	25.031	ug/L	Standard
	As-3	75	545	51526	0.63	25.063	ug/L	Standard
	Se-1	77	143	4086	0.82	25.476	ug/L	Standard
	Se-1	82	18	7780	2.20	25.200	ug/L	Standard
>	Ge	72	32845	34350	0.61		ug/L	Standard
	As	75	392	58733	1.39	24.527	ug/L	Standard
	As-1	75	545	51526	0.63	24.559	ug/L	Standard
	Se	77	143	4086	0.82	24.960	ug/L	Standard
	Se	82	18	7780	2.20	24.691	ug/L	Standard
	Y	89	344475	368736	2.92		ug/L	Standard
	Mo	98	287	204382	3.91	24.678	ug/L	Standard
	Ag	107	142	334154	2.47	24.873	ug/L	Standard
	Ag	109	144	444883	3.36	25.162	ug/L	Standard

	Cd	111	54	114133	1.94	24.890	ug/L	Standard
	Cd	114	189	279576	2.02	24.851	ug/L	Standard
>	In	115	482503	501737	1.92		ug/L	Standard
	Sb	121	2372	281506	5.67	21.644	ug/L	Standard
	Sb	123	1878	216097	7.09	21.680	ug/L	Standard
	Ba	135	54	82996	1.34	24.651	ug/L	Standard
	Ba	137	91	139667	1.53	24.755	ug/L	Standard
	Tb	159	609131	633167	2.65		ug/L	Standard
>	Ho	165	632987	658706	2.56		ug/L	Standard
	Hg	201	23	8203	3.75	4.838	ug/L	Standard
	Hg	202	53	18206	2.04	4.900	ug/L	Standard
	Tl	203	83	411382	2.55	25.409	ug/L	Standard
	Tl	205	188	987531	1.56	25.569	ug/L	Standard
	Pb	208	11117	1280645	2.99	25.269	ug/L	Standard
	Bi	209	353336	368736	2.51		ug/L	Standard
	Th	232	3393	1031228	7.47	23.349	ug/L	Standard
	U	238	53	1243730	2.77	24.922	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.603			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		107.678			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		104.583			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		103.986			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		104.063			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: CCB (8)

Sample Date/Time: Thursday, August 25, 2022 03:32:15
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\CCB (8).234
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	160871	0.75		ug/L	Standard
	Li	7	10331	10447	0.24		ug/L	Standard
	Be	9	11	18	69.39	0.002	ug/L	Standard
	Al	27	53531	53759	1.68	-0.019	ug/L	Standard
	Be-1	9	11	18	69.39	0.002	ug/L	Standard
>	Sc	45	234282	245498	0.90		ug/L	Standard
	V	51	5015	5202	12.66	-0.003	ug/L	Standard
	V-1	51	3410	5084	2.34	0.075	ug/L	Standard
	Cr	52	14911	16067	11.48	0.023	ug/L	Standard
	Cr	53	1213	1752	3.99	0.240	ug/L	Standard
	Mn	55	7071	7837	11.43	0.017	ug/L	Standard
	Fe	57	23864	23652	5.58	-3.029	ug/L	Standard
	Co	59	272	303	9.89	0.001	ug/L	Standard
	Ni	60	392	410	12.68	-0.000	ug/L	Standard
	Ni	62	105	114	7.28	0.006	ug/L	Standard
	Cu	63	3208	3338	3.76	-0.004	ug/L	Standard
	Cu	65	1468	1539	5.24	-0.001	ug/L	Standard
	Zn	66	655	701	12.06	0.006	ug/L	Standard
	Zn	67	112	114	11.48	-0.010	ug/L	Standard
	Zn	68	795	833	5.92	-0.002	ug/L	Standard
	As-2	75	392	556	11.17	0.061	ug/L	Standard
	As-3	75	545	694	5.58	0.060	ug/L	Standard
	Se-1	77	143	175	6.07	0.159	ug/L	Standard
	Se-1	82	18	61	16.48	0.139	ug/L	Standard
>	Ge	72	32845	34509	0.39		ug/L	Standard
	As	75	392	556	11.17	0.062	ug/L	Standard
	As-1	75	545	694	5.58	0.062	ug/L	Standard
	Se	77	143	175	6.07	0.167	ug/L	Standard
	Se	82	18	61	16.48	0.137	ug/L	Standard
	Y	89	344475	365460	1.09		ug/L	Standard
	Mo	98	287	2462	14.79	0.262	ug/L	Standard
	Ag	107	142	615	20.02	0.035	ug/L	Standard
	Ag	109	144	798	24.80	0.037	ug/L	Standard

	Cd	111	54	81	15.82	0.005	ug/L	Standard
	Cd	114	189	148	17.08	-0.004	ug/L	Standard
>	In	115	482503	501502	1.52		ug/L	Standard
	Sb	121	2372	19808	14.52	1.348	ug/L	Standard
	Sb	123	1878	15036	15.30	1.327	ug/L	Standard
	Ba	135	54	77	0.75	0.006	ug/L	Standard
	Ba	137	91	144	22.17	0.009	ug/L	Standard
	Tb	159	609131	633058	1.54		ug/L	Standard
>	Ho	165	632987	663259	1.25		ug/L	Standard
	Hg	201	23	77	9.37	0.031	ug/L	Standard
	Hg	202	53	176	25.52	0.033	ug/L	Standard
	Tl	203	83	604	35.98	0.032	ug/L	Standard
	Tl	205	188	1446	35.25	0.032	ug/L	Standard
	Pb	208	11117	12679	132.83	0.020	ug/L	Standard
	Bi	209	353336	368805	1.51		ug/L	Standard
	Th	232	3393	48926	29.01	1.025	ug/L	Standard
	U	238	53	504	41.61	0.009	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.477			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.787			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		105.065			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		103.938			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		104.782			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
Quality Assurance Data

Quantitative Analysis - Summary Report

Sample ID: i2-580 mb

Sample Date/Time: Thursday, August 25, 2022 01:42:53
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 mb.210
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 151
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
[>	Li	6	158529	155040	1.51		ug/L	Standard
|	Li	7	10331	9932	0.98		ug/L	Standard
|	Be	9	11	42	46.81	0.010	ug/L	Standard
|	Al	27	53531	111259	3.01	2.056	ug/L	Standard
[	Be-1	9	11	42	46.81	0.009	ug/L	Standard
[>	Sc	45	234282	255673	1.39		ug/L	Standard
[	V	51	5015	4388	14.25	-0.047	ug/L	Standard
|	V-1	51	3410	7649	5.00	0.200	ug/L	Standard
|	Cr	52	14911	13977	12.00	-0.107	ug/L	Standard
|	Cr	53	1213	2518	2.91	0.614	ug/L	Standard
|	Mn	55	7071	12201	2.33	0.192	ug/L	Standard
|	Fe	57	23864	29815	2.33	9.484	ug/L	Standard
|	Co	59	272	341	34.13	0.003	ug/L	Standard
|	Ni	60	392	300	4.54	-0.028	ug/L	Standard
|	Ni	62	105	99	11.16	-0.022	ug/L	Standard
|	Cu	63	3208	5881	2.23	0.272	ug/L	Standard
|	Cu	65	1468	2669	0.37	0.267	ug/L	Standard
|	Zn	66	655	603	13.42	-0.041	ug/L	Standard
|	Zn	67	112	107	17.29	-0.032	ug/L	Standard
|	Zn	68	795	855	4.80	0.007	ug/L	Standard
|	As-2	75	392	728	4.39	0.132	ug/L	Standard
|	As-3	75	545	1134	4.54	0.270	ug/L	Standard
|	Se-1	77	143	254	3.50	0.655	ug/L	Standard
|	Se-1	82	18	50	45.21	0.100	ug/L	Standard
[>	Ge	72	32845	34851	1.67		ug/L	Standard
[	As	75	392	728	4.39	0.145	ug/L	Standard
|	As-1	75	545	1134	4.54	0.292	ug/L	Standard
|	Se	77	143	254	3.50	0.725	ug/L	Standard
|	Se	82	18	50	45.21	0.106	ug/L	Standard
|	Y	89	344475	380965	1.45		ug/L	Standard
|	Mo	98	287	1532	12.13	0.155	ug/L	Standard
|	Ag	107	142	214	32.26	0.006	ug/L	Standard
|	Ag	109	144	268	32.87	0.007	ug/L	Standard

	Cd	111	54	82	43.50	0.006	ug/L	Standard
	Cd	114	189	156	43.58	-0.003	ug/L	Standard
>	In	115	482503	485184	0.70		ug/L	Standard
	Sb	121	2372	11313	7.14	0.716	ug/L	Standard
	Sb	123	1878	8725	7.62	0.716	ug/L	Standard
	Ba	135	54	96	27.62	0.013	ug/L	Standard
	Ba	137	91	129	21.73	0.007	ug/L	Standard
	Tb	159	609131	612527	2.12		ug/L	Standard
>	Ho	165	632987	643028	2.43		ug/L	Standard
	Hg	201	23	62	28.26	0.024	ug/L	Standard
	Hg	202	53	145	3.84	0.025	ug/L	Standard
	Tl	203	83	513	29.88	0.027	ug/L	Standard
	Tl	205	188	1272	30.63	0.029	ug/L	Standard
	Pb	208	11117	11108	97.83	-0.004	ug/L	Standard
	Bi	209	353336	363790	1.88		ug/L	Standard
	Th	232	3393	12239	2.32	0.205	ug/L	Standard
	U	238	53	430	77.07	0.008	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		97.799			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		109.130			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		105.108			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		100.556			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.586			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: i2-580 lcs

Sample Date/Time: Thursday, August 25, 2022 01:47:27
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 lcs.211
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 152
Sample Type: Spike - 1 of 140

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	154819	1.24		ug/L	Standard
	Li	7	10331	9821	2.66		ug/L	Standard
	Be	9	11	16019	1.59	5.122	ug/L	Standard
	Al	27	53531	114727	2.67	2.182	ug/L	Standard
	Be-1	9	11	16019	1.59	4.839	ug/L	Standard
>	Sc	45	234282	249234	2.29		ug/L	Standard
	V	51	5015	397820	2.20	19.794	ug/L	Standard
	V-1	51	3410	405010	2.54	20.067	ug/L	Standard
	Cr	52	14911	354300	2.83	19.763	ug/L	Standard
	Cr	53	1213	42009	2.93	20.506	ug/L	Standard
	Mn	55	7071	496177	4.11	20.219	ug/L	Standard
	Fe	57	23864	79011	3.94	114.829	ug/L	Standard
	Co	59	272	378958	4.73	19.947	ug/L	Standard
	Ni	60	392	84931	3.40	20.280	ug/L	Standard
	Ni	62	105	12266	2.53	20.175	ug/L	Standard
	Cu	63	3208	189599	0.95	20.663	ug/L	Standard
	Cu	65	1468	87189	1.02	20.797	ug/L	Standard
	Zn	66	655	111643	0.43	49.437	ug/L	Standard
	Zn	67	112	17440	0.53	49.434	ug/L	Standard
	Zn	68	795	79966	0.15	50.374	ug/L	Standard
	As-2	75	392	22581	1.16	9.471	ug/L	Standard
	As-3	75	545	21542	0.62	10.267	ug/L	Standard
	Se-1	77	143	1099	3.44	6.116	ug/L	Standard
	Se-1	82	18	1622	5.63	5.181	ug/L	Standard
>	Ge	72	32845	34508	0.49		ug/L	Standard
	As	75	392	22581	1.16	9.642	ug/L	Standard
	As-1	75	545	21542	0.62	10.454	ug/L	Standard
	Se	77	143	1099	3.44	6.262	ug/L	Standard
	Se	82	18	1622	5.63	5.275	ug/L	Standard
	Y	89	344475	380589	1.81		ug/L	Standard
	Mo	98	287	75525	4.22	9.405	ug/L	Standard
	Ag	107	142	66491	3.62	5.107	ug/L	Standard
	Ag	109	144	83678	3.88	4.886	ug/L	Standard

	Cd	111	54	21426	1.68	4.819	ug/L	Standard
	Cd	114	189	53145	1.13	4.868	ug/L	Standard
>	In	115	482503	485448	0.37		ug/L	Standard
	Sb	121	2372	264889	1.38	21.051	ug/L	Standard
	Sb	123	1878	202035	1.68	20.951	ug/L	Standard
	Ba	135	54	154029	1.02	47.296	ug/L	Standard
	Ba	137	91	261559	1.08	47.927	ug/L	Standard
	Tb	159	609131	615644	1.02		ug/L	Standard
>	Ho	165	632987	639191	0.98		ug/L	Standard
	Hg	201	23	8535	1.22	5.188	ug/L	Standard
	Hg	202	53	18858	0.68	5.231	ug/L	Standard
	Tl	203	83	77943	0.84	4.956	ug/L	Standard
	Tl	205	188	184268	0.71	4.911	ug/L	Standard
	Pb	208	11117	501586	2.00	10.058	ug/L	Standard
	Bi	209	353336	363259	0.80		ug/L	Standard
	Th	232	3393	20510	2.20	0.400	ug/L	Standard
	U	238	53	315	60.84	0.005	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		97.660			
	7	Li					
	9	Be			102.241		
	27	Al					
	9	Be-1			96.617		
>	45	Sc		106.382			
	51	V			99.205		
	51	V-1			99.334		
	52	Cr			99.352		
	53	Cr			99.460		
	55	Mn			100.133		
	57	Fe			105.345		
	59	Co			99.723		
	60	Ni			101.539		
	62	Ni			100.983		
	63	Cu			101.954		
	65	Cu			102.650		
	66	Zn			98.956		
	67	Zn			98.932		
	68	Zn			100.733		
	75	As-2			93.388		
	75	As-3			99.965		
	77	Se-1			109.220		
	82	Se-1			101.632		
>	72	Ge		105.064			
	75	As			94.965		
	75	As-1			101.616		
	77	Se			110.746		
	82	Se			103.388		
	89	Y					
	98	Mo			92.494		
	107	Ag			102.028		
	109	Ag			97.568		
	111	Cd			96.261		
	114	Cd			97.432		
>	115	In		100.610			
	121	Sb			101.674		
	123	Sb			101.175		
	135	Ba			94.566		
	137	Ba			95.841		
	159	Tb					
>	165	Ho		100.980			
	201	Hg			103.288		
	202	Hg			104.108		
	203	Tl			98.576		
	205	Tl			97.656		
	208	Pb			100.629		
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208312-01

Sample Date/Time: Thursday, August 25, 2022 01:52:00
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208312-01.212
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 153
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	152368	3.00		ug/L	Standard
	Li	7	10331	71205	2.42		ug/L	Standard
	Be	9	11	68	26.03	0.018	ug/L	Standard
	Al	27	53531	1106946	2.24	37.488	ug/L	Standard
	Be-1	9	11	68	26.03	0.013	ug/L	Standard
>	Sc	45	234282	308028	1.22		ug/L	Standard
	V	51	5015	72819	0.95	3.341	ug/L	Standard
	V-1	51	3410	97202	7.63	4.593	ug/L	Standard
	Cr	52	14911	19744	8.69	0.218	ug/L	Standard
	Cr	53	1213	10090	23.60	4.347	ug/L	Standard
	Mn	55	7071	438775	1.14	17.522	ug/L	Standard
	Fe	57	23864	441226	1.40	869.263	ug/L	Standard
	Co	59	272	9099	2.84	0.456	ug/L	Standard
	Ni	60	392	8349	2.11	1.869	ug/L	Standard
	Ni	62	105	1055	6.09	1.537	ug/L	Standard
	Cu	63	3208	9475	1.63	0.659	ug/L	Standard
	Cu	65	1468	3699	2.02	0.508	ug/L	Standard
	Zn	66	655	5069	2.21	1.912	ug/L	Standard
	Zn	67	112	1012	3.79	2.502	ug/L	Standard
	Zn	68	795	5243	2.25	2.747	ug/L	Standard
	As-2	75	392	1044	14.61	0.262	ug/L	Standard
	As-3	75	545	2082	12.01	0.721	ug/L	Standard
	Se-1	77	143	487	15.82	2.118	ug/L	Standard
	Se-1	82	18	130	14.10	0.352	ug/L	Standard
>	Ge	72	32845	35133	0.55		ug/L	Standard
	As	75	392	1044	14.61	0.297	ug/L	Standard
	As-1	75	545	2082	12.01	0.798	ug/L	Standard
	Se	77	143	487	15.82	2.357	ug/L	Standard
	Se	82	18	130	14.10	0.382	ug/L	Standard
	Y	89	344475	387144	1.99		ug/L	Standard
	Mo	98	287	4660	1.70	0.565	ug/L	Standard
	Ag	107	142	461	42.80	0.026	ug/L	Standard
	Ag	109	144	567	47.25	0.026	ug/L	Standard

	Cd	111	54	124	34.40	0.017	ug/L	Standard
	Cd	114	189	387	26.74	0.019	ug/L	Standard
>	In	115	482503	470336	0.97		ug/L	Standard
	Sb	121	2372	9456	1.69	0.591	ug/L	Standard
	Sb	123	1878	7141	3.18	0.574	ug/L	Standard
	Ba	135	54	19788	0.39	6.257	ug/L	Standard
	Ba	137	91	33534	1.81	6.327	ug/L	Standard
	Tb	159	609131	609398	1.51		ug/L	Standard
>	Ho	165	632987	637679	2.22		ug/L	Standard
	Hg	201	23	99	26.12	0.046	ug/L	Standard
	Hg	202	53	219	30.42	0.047	ug/L	Standard
	Tl	203	83	780	22.49	0.045	ug/L	Standard
	Tl	205	188	1830	23.37	0.044	ug/L	Standard
	Pb	208	11117	13177	94.16	0.044	ug/L	Standard
	Bi	209	353336	341655	1.54		ug/L	Standard
	Th	232	3393	13476	13.40	0.236	ug/L	Standard
	U	238	53	491	61.28	0.009	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		96.114			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		131.477			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		106.965			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		97.478			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		100.741			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: i2-580 ms 208312-01

Sample Date/Time: Thursday, August 25, 2022 01:56:33
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 ms 208312-01.213
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 154
Sample Type: Spike - 1 of 142

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	151735	0.67		ug/L	Standard
	Li	7	10331	71612	0.57		ug/L	Standard
	Be	9	11	16431	0.81	5.361	ug/L	Standard
	Al	27	53531	1053898	1.86	35.756	ug/L	Standard
	Be-1	9	11	16431	0.81	4.047	ug/L	Standard
>	Sc	45	234282	305618	2.21		ug/L	Standard
	V	51	5015	482674	4.05	23.480	ug/L	Standard
	V-1	51	3410	521300	3.27	25.239	ug/L	Standard
	Cr	52	14911	367092	0.67	19.971	ug/L	Standard
	Cr	53	1213	53645	3.73	25.684	ug/L	Standard
	Mn	55	7071	942687	0.51	37.704	ug/L	Standard
	Fe	57	23864	498237	0.69	980.345	ug/L	Standard
	Co	59	272	394688	2.13	20.241	ug/L	Standard
	Ni	60	392	91685	2.78	21.333	ug/L	Standard
	Ni	62	105	12970	2.73	20.790	ug/L	Standard
	Cu	63	3208	190561	3.07	20.222	ug/L	Standard
	Cu	65	1468	87073	3.68	20.219	ug/L	Standard
	Zn	66	655	115502	3.91	49.818	ug/L	Standard
	Zn	67	112	18300	2.58	50.538	ug/L	Standard
	Zn	68	795	83595	2.97	51.306	ug/L	Standard
	As-2	75	392	23367	1.68	9.551	ug/L	Standard
	As-3	75	545	23327	2.86	10.846	ug/L	Standard
	Se-1	77	143	1481	2.53	8.330	ug/L	Standard
	Se-1	82	18	1699	2.39	5.289	ug/L	Standard
>	Ge	72	32845	35429	3.36		ug/L	Standard
	As	75	392	23367	1.68	10.385	ug/L	Standard
	As-1	75	545	23327	2.86	11.802	ug/L	Standard
	Se	77	143	1481	2.53	9.143	ug/L	Standard
	Se	82	18	1699	2.39	5.749	ug/L	Standard
	Y	89	344475	395387	2.05		ug/L	Standard
	Mo	98	287	78198	0.55	10.126	ug/L	Standard
	Ag	107	142	66507	1.93	5.310	ug/L	Standard
	Ag	109	144	81413	2.34	4.941	ug/L	Standard

	Cd	111	54	20740	1.29	4.850	ug/L	Standard
	Cd	114	189	51502	0.76	4.905	ug/L	Standard
>	In	115	482503	466970	1.30		ug/L	Standard
	Sb	121	2372	263393	1.37	21.767	ug/L	Standard
	Sb	123	1878	200004	1.63	21.566	ug/L	Standard
	Ba	135	54	175346	1.77	55.973	ug/L	Standard
	Ba	137	91	295377	1.79	56.266	ug/L	Standard
	Tb	159	609131	615650	3.04		ug/L	Standard
>	Ho	165	632987	641389	2.64		ug/L	Standard
	Hg	201	23	8465	3.13	5.128	ug/L	Standard
	Hg	202	53	18567	2.54	5.133	ug/L	Standard
	Tl	203	83	78130	1.08	4.952	ug/L	Standard
	Tl	205	188	185355	1.10	4.925	ug/L	Standard
	Pb	208	11117	499359	2.50	9.984	ug/L	Standard
	Bi	209	353336	343111	1.40		ug/L	Standard
	Th	232	3393	25907	4.45	0.524	ug/L	Standard
	U	238	53	440	49.49	0.008	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		95.714			
	7	Li					
	9	Be			106.852		
	27	Al					
	9	Be-1			80.692		
>	45	Sc		130.448			
	51	V			100.697		
	51	V-1			103.231		
	52	Cr			98.767		
	53	Cr			106.688		
	55	Mn			100.912		
	57	Fe			111.082		
	59	Co			98.929		
	60	Ni			97.317		
	62	Ni			96.265		
	63	Cu			97.815		
	65	Cu			98.554		
	66	Zn			95.812		
	67	Zn			96.071		
	68	Zn			97.120		
	75	As-2			92.887		
	75	As-3			101.246		
	77	Se-1			124.241		
	82	Se-1			98.754		
>	72	Ge		107.867			
	75	As			100.877		
	75	As-1			110.040		
	77	Se			135.713		
	82	Se			107.339		
	89	Y					
	98	Mo			95.605		
	107	Ag			105.696		
	109	Ag			98.310		
	111	Cd			96.666		
	114	Cd			97.718		
>	115	In		96.781			
	121	Sb			105.876		
	123	Sb			104.960		
	135	Ba			99.431		
	137	Ba			99.878		
	159	Tb					
>	165	Ho		101.327			
	201	Hg			101.623		
	202	Hg			101.732		
	203	Tl			98.149		
	205	Tl			97.626		
	208	Pb			99.406		
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: i2-580 msd 208312-01

Sample Date/Time: Thursday, August 25, 2022 02:01:06
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\i2-580 msd 208312-01.214
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 155
Sample Type: Spike - 1 of 142

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	152210	0.75		ug/L	Standard
	Li	7	10331	73294	0.45		ug/L	Standard
	Be	9	11	16092	1.56	5.234	ug/L	Standard
	Al	27	53531	1187207	1.75	40.377	ug/L	Standard
	Be-1	9	11	16092	1.56	3.888	ug/L	Standard
>	Sc	45	234282	311630	2.60		ug/L	Standard
	V	51	5015	478349	1.77	23.219	ug/L	Standard
	V-1	51	3410	520167	2.46	25.136	ug/L	Standard
	Cr	52	14911	359704	1.92	19.524	ug/L	Standard
	Cr	53	1213	53384	3.87	25.518	ug/L	Standard
	Mn	55	7071	950817	2.85	37.986	ug/L	Standard
	Fe	57	23864	514907	2.94	1013.726	ug/L	Standard
	Co	59	272	387568	4.22	19.857	ug/L	Standard
	Ni	60	392	91172	3.31	21.198	ug/L	Standard
	Ni	62	105	13224	3.42	21.185	ug/L	Standard
	Cu	63	3208	190490	2.25	20.203	ug/L	Standard
	Cu	65	1468	86450	1.55	20.066	ug/L	Standard
	Zn	66	655	114684	1.01	49.448	ug/L	Standard
	Zn	67	112	18300	0.60	50.518	ug/L	Standard
	Zn	68	795	82875	0.78	50.845	ug/L	Standard
	As-2	75	392	22900	1.65	9.350	ug/L	Standard
	As-3	75	545	23133	2.57	10.747	ug/L	Standard
	Se-1	77	143	1482	3.51	8.329	ug/L	Standard
	Se-1	82	18	1619	1.91	5.035	ug/L	Standard
>	Ge	72	32845	35443	1.79		ug/L	Standard
	As	75	392	22900	1.65	10.153	ug/L	Standard
	As-1	75	545	23133	2.57	11.677	ug/L	Standard
	Se	77	143	1482	3.51	9.131	ug/L	Standard
	Se	82	18	1619	1.91	5.465	ug/L	Standard
	Y	89	344475	391795	2.87		ug/L	Standard
	Mo	98	287	76696	2.38	9.911	ug/L	Standard
	Ag	107	142	64809	4.16	5.163	ug/L	Standard
	Ag	109	144	79606	2.64	4.822	ug/L	Standard

	Cd	111	54	20290	1.69	4.735	ug/L	Standard
	Cd	114	189	51300	1.62	4.876	ug/L	Standard
>	In	115	482503	467916	1.95		ug/L	Standard
	Sb	121	2372	260410	1.18	21.477	ug/L	Standard
	Sb	123	1878	196736	1.60	21.169	ug/L	Standard
	Ba	135	54	171714	0.47	54.715	ug/L	Standard
	Ba	137	91	289160	0.60	54.983	ug/L	Standard
	Tb	159	609131	608108	1.49		ug/L	Standard
>	Ho	165	632987	635274	2.08		ug/L	Standard
	Hg	201	23	8487	1.77	5.191	ug/L	Standard
	Hg	202	53	18677	0.66	5.214	ug/L	Standard
	Tl	203	83	77413	1.07	4.953	ug/L	Standard
	Tl	205	188	183343	1.02	4.918	ug/L	Standard
	Pb	208	11117	491491	1.65	9.918	ug/L	Standard
	Bi	209	353336	340945	0.57		ug/L	Standard
	Th	232	3393	19775	7.04	0.386	ug/L	Standard
	U	238	53	417	32.42	0.008	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		96.014			
	7	Li					
	9	Be			104.307		
	27	Al					
	9	Be-1			77.507		
>	45	Sc		133.015			
	51	V			99.390		
	51	V-1			102.712		
	52	Cr			96.534		
	53	Cr			105.856		
	55	Mn			102.322		
	57	Fe			144.463		
	59	Co			97.005		
	60	Ni			96.644		
	62	Ni			98.239		
	63	Cu			97.721		
	65	Cu			97.789		
	66	Zn			95.073		
	67	Zn			96.030		
	68	Zn			96.196		
	75	As-2			90.873		
	75	As-3			100.255		
	77	Se-1			124.214		
	82	Se-1			93.672		
>	72	Ge		107.909			
	75	As			98.560		
	75	As-1			108.794		
	77	Se			135.470		
	82	Se			101.670		
	89	Y					
	98	Mo			93.460		
	107	Ag			102.756		
	109	Ag			95.920		
	111	Cd			94.374		
	114	Cd			97.134		
>	115	In		96.977			
	121	Sb			104.425		
	123	Sb			102.974		
	135	Ba			96.916		
	137	Ba			97.312		
	159	Tb					
>	165	Ho		100.361			
	201	Hg			102.886		
	202	Hg			103.346		
	203	Tl			98.172		
	205	Tl			97.475		
	208	Pb			98.741		
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
Sample Data

Quantitative Analysis - Summary Report

Sample ID: 208257-01

Sample Date/Time: Thursday, August 25, 2022 02:42:07
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-01.223
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File; C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 159
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
[>	Li	6	158529	150583	3.54		ug/L	Standard
|	Li	7	10331	41967	3.93		ug/L	Standard
|	Be	9	11	41	18.48	0.010	ug/L	Standard
L	Al	27	53531	381110	2.43	11.876	ug/L	Standard
[	Be-1	9	11	41	18.48	0.004	ug/L	Standard
L>	Sc	45	234282	385170	2.15		ug/L	Standard
[	V	51	5015	72016	2.05	2.704	ug/L	Standard
|	V-1	51	3410	114804	1.15	4.514	ug/L	Standard
|	Cr	52	14911	30006	6.15	0.518	ug/L	Standard
|	Cr	53	1213	16941	2.03	6.336	ug/L	Standard
|	Mn	55	7071	5967836	1.02	201.592	ug/L	Standard
|	Fe	57	23864	8671250	1.30	15042.674	ug/L	Standard
|	Co	59	272	19804	0.47	0.838	ug/L	Standard
|	Ni	60	392	6467	1.09	1.171	ug/L	Standard
|	Ni	62	105	865	26.55	0.987	ug/L	Standard
|	Cu	63	3208	14786	4.40	0.968	ug/L	Standard
|	Cu	65	1468	4089	1.02	0.438	ug/L	Standard
|	Zn	66	655	1788	1.14	0.345	ug/L	Standard
|	Zn	67	112	616	2.03	1.103	ug/L	Standard
|	Zn	68	795	3310	1.53	1.192	ug/L	Standard
|	As-2	75	392	2452	4.05	0.680	ug/L	Standard
|	As-3	75	545	4387	2.02	1.477	ug/L	Standard
|	Se-1	77	143	789	5.89	3.189	ug/L	Standard
|	Se-1	82	18	94	21.63	0.188	ug/L	Standard
L>	Ge	72	32845	42204	2.19		ug/L	Standard
[	As	75	392	2452	4.05	0.952	ug/L	Standard
|	As-1	75	545	4387	2.02	2.031	ug/L	Standard
|	Se	77	143	789	5.89	4.509	ug/L	Standard
|	Se	82	18	94	21.63	0.268	ug/L	Standard
|	Y	89	344475	412360	3.21		ug/L	Standard
|	Mo	98	287	4667	2.94	0.579	ug/L	Standard
|	Ag	107	142	173	3.79	0.003	ug/L	Standard
|	Ag	109	144	190	8.49	0.003	ug/L	Standard

	Cd	111	54	179	13.32	0.030	ug/L	Standard
	Cd	114	189	330	3.10	0.015	ug/L	Standard
>	In	115	482503	460433	0.63		ug/L	Standard
	Sb	121	2372	7471	4.06	0.440	ug/L	Standard
	Sb	123	1878	5591	2.85	0.419	ug/L	Standard
	Ba	135	54	27067	0.51	8.749	ug/L	Standard
	Ba	137	91	45896	0.40	8.853	ug/L	Standard
	Tb	159	609131	614961	1.20		ug/L	Standard
>	Ho	165	632987	639317	0.23		ug/L	Standard
	Hg	201	23	53	2.19	0.018	ug/L	Standard
	Hg	202	53	136	14.89	0.023	ug/L	Standard
	Tl	203	83	512	8.11	0.027	ug/L	Standard
	Tl	205	188	1237	4.23	0.028	ug/L	Standard
	Pb	208	11117	4162	31.12	-0.145	ug/L	Standard
	Bi	209	353336	329571	2.03		ug/L	Standard
	Th	232	3393	49269	11.25	1.073	ug/L	Standard
	U	238	53	2157	2.22	0.043	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		94.988			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		164.404			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		128.495			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		95.426			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.000			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208257-02

Sample Date/Time: Thursday, August 25, 2022 02:46:39
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-02.224
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 160
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	154631	1.39		ug/L	Standard
	Li	7	10331	31676	1.79		ug/L	Standard
	Be	9	11	41	12.18	0.010	ug/L	Standard
	Al	27	53531	1575054	2.39	53.283	ug/L	Standard
	Be-1	9	11	41	12.18	0.005	ug/L	Standard
>	Sc	45	234282	344969	4.02		ug/L	Standard
	V	51	5015	34373	3.85	1.311	ug/L	Standard
	V-1	51	3410	49089	3.01	2.053	ug/L	Standard
	Cr	52	14911	24589	6.30	0.391	ug/L	Standard
	Cr	53	1213	7406	2.75	2.750	ug/L	Standard
	Mn	55	7071	8521921	0.80	320.323	ug/L	Standard
	Fe	57	23864	3604927	1.22	6926.329	ug/L	Standard
	Co	59	272	19683	3.34	0.928	ug/L	Standard
	Ni	60	392	12001	1.20	2.521	ug/L	Standard
	Ni	62	105	1813	14.44	2.555	ug/L	Standard
	Cu	63	3208	27819	1.24	2.433	ug/L	Standard
	Cu	65	1468	12083	1.41	2.294	ug/L	Standard
	Zn	66	655	7021	0.72	2.538	ug/L	Standard
	Zn	67	112	1201	1.72	2.782	ug/L	Standard
	Zn	68	795	6571	0.94	3.272	ug/L	Standard
	As-2	75	392	2245	1.57	0.696	ug/L	Standard
	As-3	75	545	3013	0.61	1.062	ug/L	Standard
	Se-1	77	143	387	3.13	1.302	ug/L	Standard
	Se-1	82	18	31	35.20	0.032	ug/L	Standard
>	Ge	72	32845	37951	1.60		ug/L	Standard
	As	75	392	2245	1.57	0.827	ug/L	Standard
	As-1	75	545	3013	0.61	1.263	ug/L	Standard
	Se	77	143	387	3.13	1.654	ug/L	Standard
	Se	82	18	31	35.20	0.046	ug/L	Standard
	Y	89	344475	400594	0.91		ug/L	Standard
	Mo	98	287	12461	1.53	1.557	ug/L	Standard
	Ag	107	142	177	27.50	0.003	ug/L	Standard
	Ag	109	144	226	30.41	0.005	ug/L	Standard

	Cd	111	54	102	22.80	0.011	ug/L	Standard
	Cd	114	189	1214	3.96	0.097	ug/L	Standard
>	In	115	482503	474479	1.60		ug/L	Standard
	Sb	121	2372	4851	0.90	0.207	ug/L	Standard
	Sb	123	1878	3751	1.40	0.204	ug/L	Standard
	Ba	135	54	17069	1.07	5.348	ug/L	Standard
	Ba	137	91	28864	0.87	5.397	ug/L	Standard
	Tb	159	609131	618863	1.28		ug/L	Standard
>	Ho	165	632987	645279	1.75		ug/L	Standard
	Hg	201	23	35	33.77	0.007	ug/L	Standard
	Hg	202	53	69	23.86	0.004	ug/L	Standard
	Tl	203	83	125	36.06	0.003	ug/L	Standard
	Tl	205	188	319	22.58	0.003	ug/L	Standard
	Pb	208	11117	12268	112.32	0.017	ug/L	Standard
	Bi	209	353336	351311	0.86		ug/L	Standard
	Th	232	3393	19247	7.17	0.367	ug/L	Standard
	U	238	53	971	8.11	0.019	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		97.541			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		147.245			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		115.547			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		98.337			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		101.942			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208257-03

Sample Date/Time: Thursday, August 25, 2022 02:51:12
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-03.225
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 301
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	146053	2.81		ug/L	Standard
	Li	7	10331	45856	1.89		ug/L	Standard
	Be	9	11	131	6.51	0.041	ug/L	Standard
	Al	27	53531	1519125	1.65	54.464	ug/L	Standard
	Be-1	9	11	131	6.51	0.021	ug/L	Standard
>	Sc	45	234282	394644	2.79		ug/L	Standard
	V	51	5015	277331	2.56	10.273	ug/L	Standard
	V-1	51	3410	304800	2.49	11.304	ug/L	Standard
	Cr	52	14911	52938	6.14	1.413	ug/L	Standard
	Cr	53	1213	14633	5.75	4.909	ug/L	Standard
	Mn	55	7071	22481082	0.78	700.940	ug/L	Standard
	Fe	57	23864	17500519	0.50	28033.172	ug/L	Standard
	Co	59	272	9712	1.43	0.371	ug/L	Standard
	Ni	60	392	3188	1.98	0.478	ug/L	Standard
	Ni	62	105	11205	54.09	13.899	ug/L	Standard
	Cu	63	3208	57460	14.26	4.438	ug/L	Standard
	Cu	65	1468	14879	1.44	2.350	ug/L	Standard
	Zn	66	655	5007	1.58	1.376	ug/L	Standard
	Zn	67	112	1258	2.22	2.371	ug/L	Standard
	Zn	68	795	5617	1.62	2.164	ug/L	Standard
	As-2	75	392	11927	0.99	3.666	ug/L	Standard
	As-3	75	545	13740	1.09	4.791	ug/L	Standard
	Se-1	77	143	775	4.86	2.796	ug/L	Standard
	Se-1	82	18	107	20.25	0.202	ug/L	Standard
>	Ge	72	32845	45790	2.57		ug/L	Standard
	As	75	392	11927	0.99	5.436	ug/L	Standard
	As-1	75	545	13740	1.09	7.129	ug/L	Standard
	Se	77	143	775	4.86	4.549	ug/L	Standard
	Se	82	18	107	20.25	0.323	ug/L	Standard
	Y	89	344475	456510	3.07		ug/L	Standard
	Mo	98	287	4927	4.12	0.630	ug/L	Standard
	Ag	107	142	226	8.36	0.008	ug/L	Standard
	Ag	109	144	194	9.28	0.004	ug/L	Standard

	Cd	111	54	254	15.13	0.050	ug/L	Standard
	Cd	114	189	305	8.73	0.013	ug/L	Standard
>	In	115	482503	448765	1.71		ug/L	Standard
	Sb	121	2372	3326	4.09	0.097	ug/L	Standard
	Sb	123	1878	2524	4.51	0.088	ug/L	Standard
	Ba	135	54	41766	1.59	13.865	ug/L	Standard
	Ba	137	91	70246	1.51	13.916	ug/L	Standard
	Tb	159	609131	605829	1.44		ug/L	Standard
>	Ho	165	632987	629545	1.50		ug/L	Standard
	Hg	201	23	28	6.19	0.003	ug/L	Standard
	Hg	202	53	78	2.68	0.007	ug/L	Standard
	Tl	203	83	142	6.26	0.004	ug/L	Standard
	Tl	205	188	333	6.43	0.004	ug/L	Standard
	Pb	208	11117	18942	11.02	0.165	ug/L	Standard
	Bi	209	353336	312478	2.04		ug/L	Standard
	Th	232	3393	18345	8.37	0.356	ug/L	Standard
	U	238	53	587	4.59	0.011	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		92.130			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		168.448			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		139.412			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		93.008			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		99.456			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208257-04

Sample Date/Time: Thursday, August 25, 2022 02:55:46
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-04.226
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 302
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	143672	2.23		ug/L	Standard
	Li	7	10331	47024	2.32		ug/L	Standard
	Be	9	11	116	14.71	0.036	ug/L	Standard
	Al	27	53531	1123781	1.87	40.497	ug/L	Standard
	Be-1	9	11	116	14.71	0.019	ug/L	Standard
>	Sc	45	234282	385030	2.84		ug/L	Standard
	V	51	5015	280745	2.35	10.179	ug/L	Standard
	V-1	51	3410	308340	2.42	11.193	ug/L	Standard
	Cr	52	14911	52336	5.84	1.340	ug/L	Standard
	Cr	53	1213	14613	3.67	4.787	ug/L	Standard
	Mn	55	7071	23603443	1.62	720.068	ug/L	Standard
	Fe	57	23864	17951908	1.60	28141.647	ug/L	Standard
	Co	59	272	13093	1.14	0.494	ug/L	Standard
	Ni	60	392	3602	1.72	0.539	ug/L	Standard
	Ni	62	105	9338	16.77	11.246	ug/L	Standard
	Cu	63	3208	53810	3.14	4.030	ug/L	Standard
	Cu	65	1468	14696	1.17	2.258	ug/L	Standard
	Zn	66	655	2696	2.19	0.580	ug/L	Standard
	Zn	67	112	906	2.42	1.572	ug/L	Standard
	Zn	68	795	4226	2.79	1.452	ug/L	Standard
	As-2	75	392	12923	1.10	3.897	ug/L	Standard
	As-3	75	545	14629	1.17	5.004	ug/L	Standard
	Se-1	77	143	736	6.93	2.529	ug/L	Standard
	Se-1	82	18	116	11.56	0.216	ug/L	Standard
>	Ge	72	32845	46779	0.84		ug/L	Standard
	As	75	392	12923	1.10	5.812	ug/L	Standard
	As-1	75	545	14629	1.17	7.489	ug/L	Standard
	Se	77	143	736	6.93	4.195	ug/L	Standard
	Se	82	18	116	11.56	0.347	ug/L	Standard
	Y	89	344475	458778	3.03		ug/L	Standard
	Mo	98	287	5276	3.66	0.666	ug/L	Standard
	Ag	107	142	218	1.47	0.007	ug/L	Standard
	Ag	109	144	185	10.37	0.003	ug/L	Standard

	Cd	111	54	221	18.69	0.041	ug/L	Standard
	Cd	114	189	391	1.80	0.021	ug/L	Standard
>	In	115	482503	455666	0.85		ug/L	Standard
	Sb	121	2372	2867	5.89	0.054	ug/L	Standard
	Sb	123	1878	2149	3.46	0.042	ug/L	Standard
	Ba	135	54	43077	0.15	14.081	ug/L	Standard
	Ba	137	91	73686	0.70	14.374	ug/L	Standard
	Tb	159	609131	614046	1.44		ug/L	Standard
>	Ho	165	632987	631396	1.41		ug/L	Standard
	Hg	201	23	33	39.74	0.006	ug/L	Standard
	Hg	202	53	66	4.90	0.004	ug/L	Standard
	Tl	203	83	159	16.70	0.005	ug/L	Standard
	Tl	205	188	313	10.15	0.003	ug/L	Standard
	Pb	208	11117	15617	34.51	0.095	ug/L	Standard
	Bi	209	353336	312535	1.98		ug/L	Standard
	Th	232	3393	12610	8.14	0.219	ug/L	Standard
	U	238	53	558	7.74	0.011	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		90.628			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		164.344			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		142.424			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		94.438			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		99.749			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208257-05

Sample Date/Time: Thursday, August 25, 2022 03:00:20
Sample Description: water
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\blank.185
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-24-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-24-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-24-22\208257-05.227
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 303
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	158529	151036	0.72		ug/L	Standard
	Li	7	10331	19421	1.31		ug/L	Standard
	Be	9	11	244	1.48	0.076	ug/L	Standard
	Al	27	53531	1304301	0.77	44.898	ug/L	Standard
	Be-1	9	11	244	1.48	0.052	ug/L	Standard
>	Sc	45	234282	328018	2.19		ug/L	Standard
	V	51	5015	51551	2.36	2.117	ug/L	Standard
	V-1	51	3410	63218	0.87	2.717	ug/L	Standard
	Cr	52	14911	24100	11.41	0.374	ug/L	Standard
	Cr	53	1213	6471	2.75	2.344	ug/L	Standard
	Mn	55	7071	17010816	3.86	644.582	ug/L	Standard
	Fe	57	23864	4138189	4.15	8020.718	ug/L	Standard
	Co	59	272	51622	3.49	2.477	ug/L	Standard
	Ni	60	392	7103	5.43	1.463	ug/L	Standard
	Ni	62	105	16279	60.79	24.480	ug/L	Standard
	Cu	63	3208	40256	31.45	3.711	ug/L	Standard
	Cu	65	1468	9175	4.08	1.667	ug/L	Standard
	Zn	66	655	4226	4.07	1.419	ug/L	Standard
	Zn	67	112	759	11.03	1.649	ug/L	Standard
	Zn	68	795	4602	3.82	2.152	ug/L	Standard
	As-2	75	392	12691	2.94	4.793	ug/L	Standard
	As-3	75	545	13563	1.83	5.806	ug/L	Standard
	Se-1	77	143	390	4.51	1.338	ug/L	Standard
	Se-1	82	18	57	40.20	0.110	ug/L	Standard
>	Ge	72	32845	37652	1.51		ug/L	Standard
	As	75	392	12691	2.94	5.630	ug/L	Standard
	As-1	75	545	13563	1.83	6.833	ug/L	Standard
	Se	77	143	390	4.51	1.749	ug/L	Standard
	Se	82	18	57	40.20	0.139	ug/L	Standard
	Y	89	344475	437961	3.33		ug/L	Standard
	Mo	98	287	4152	5.28	0.510	ug/L	Standard
	Ag	107	142	317	35.45	0.015	ug/L	Standard
	Ag	109	144	325	32.52	0.012	ug/L	Standard

	Cd	111	54	359	22.91	0.073	ug/L	Standard
	Cd	114	189	1166	7.54	0.095	ug/L	Standard
>	In	115	482503	461482	2.36		ug/L	Standard
	Sb	121	2372	3026	8.34	0.064	ug/L	Standard
	Sb	123	1878	2316	7.49	0.058	ug/L	Standard
	Ba	135	54	15842	2.61	5.102	ug/L	Standard
	Ba	137	91	26681	1.27	5.129	ug/L	Standard
	Tb	159	609131	615918	3.19		ug/L	Standard
>	Ho	165	632987	638084	4.23		ug/L	Standard
	Hg	201	23	104	130.89	0.052	ug/L	Standard
	Hg	202	53	126	105.68	0.021	ug/L	Standard
	Tl	203	83	732	13.36	0.042	ug/L	Standard
	Tl	205	188	1672	4.81	0.040	ug/L	Standard
	Pb	208	11117	10896	68.81	-0.008	ug/L	Standard
	Bi	209	353336	336842	2.83		ug/L	Standard
	Th	232	3393	6188	10.81	0.065	ug/L	Standard
	U	238	53	1059	9.16	0.021	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		95.273			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		140.010			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		114.635			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		95.643			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		100.805			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis:	8260	Standard(s) spiked:	8260 Cal Std. (50/250 ppm)
Matrix:	Water	Volume spiked:	4.3 uL (60-190a) and 8.6 uL (60-190b), 43 uL (60-190c
Instrument ID:	GCMS #11	Date(s) Extracted:	05/04/21, 05/26/21, 08/30/21, 08/31/21, 12/08/21, 12/0
Reporting Units:	ug/L	Date(s) Analyzed:	05/04/21, 05/26/21, 08/30/21, 08/31/21, 12/08/21, 12/0
		Date Calculated:	6/3/2021, 09/01/22, 09/24/21, 12/09/21, 12/10/21, 02/2
		Calculation Analyst:	JCM, WE, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Ethanol							
Dichlorodifluoromethane	0.246	0.492	1.230	0.082	0.264	0.200	132
Chloromethane	1.615	3.230	8.074	0.539	5.331	5.000	107
Vinyl chloride	0.018	0.036	0.090	0.006	0.052	0.050	105
Bromomethane	3.116	6.232	15.579	1.039	5.948	5.000	119
Chloroethane	0.143	0.286	0.715	0.048	0.270	0.200	135
Trichlorofluoromethane	0.187	0.374	0.936	0.062	0.223	0.200	112
2-Propanol							
Acetone	4.651	9.301	23.254	1.551	12.835	10.000	128
1,1-Dichloroethene	0.034	0.069	0.172	0.011	0.063	0.050	126
Hexane	0.124	0.248	0.620	0.041	0.244	0.200	122
Methylene chloride	2.640	5.279	13.198	0.880	5.052	5.000	101
t-Butyl alcohol (TBA)	7.869	15.739	39.347	2.625	25.924	25.000	104
Methyl t-butyl ether (MTBE	0.004	0.009	0.022	0.001	0.052	0.050	105
trans-1,2-Dichloroethene	0.035	0.069	0.173	0.012	0.215	0.200	107
Diisopropyl ether (DIPE)	0.049	0.099	0.247	0.017	0.203	0.200	101
1,1-Dichloroethane	0.006	0.012	0.030	0.002	0.024	0.020	121
Ethyl t-butyl ether (ETBE)	0.070	0.141	0.352	0.023	0.204	0.200	102
2,2-Dichloropropane	0.170	0.340	0.849	0.057	0.192	0.200	96
cis-1,2-Dichloroethene	0.016	0.031	0.078	0.005	0.059	0.050	117
Chloroform	0.050	0.100	0.251	0.017	0.214	0.200	107
2-Butanone (MEK)	2.997	5.994	14.985	1.000	11.380	10.000	114
t-Amyl methyl ether (TAME)	0.061	0.123	0.307	0.020	0.201	0.200	101
1,2-Dichloroethane (EDC)	0.051	0.101	0.253	0.017	0.218	0.200	109
1,1,1-Trichloroethane	0.007	0.014	0.035	0.002	0.025	0.020	123
1,1-Dichloropropene	0.122	0.244	0.609	0.041	0.208	0.200	104
Carbon tetrachloride	0.106	0.213	0.531	0.035	0.203	0.200	101
Benzene	0.017	0.034	0.086	0.006	0.027	0.020	137
Trichloroethene	0.045	0.089	0.223	0.015	0.064	0.050	128
1,2-Dichloropropane	0.144	0.288	0.721	0.048	0.213	0.200	107
Bromodichloromethane	0.092	0.184	0.461	0.031	0.202	0.200	101
Dibromomethane	0.090	0.179	0.448	0.030	0.220	0.200	110
4-Methyl-2-pentanone	0.474	0.948	2.371	0.158	0.902	1.000	90
cis-1,3-Dichloropropene	0.095	0.191	0.477	0.032	0.190	0.200	95
Toluene	0.040	0.081	0.201	0.013	0.025	0.020	123
trans-1,3-Dichloropropene	0.123	0.247	0.617	0.041	0.202	0.200	101
1,1,2-Trichloroethane	0.087	0.175	0.437	0.029	0.224	0.200	112
2-Hexanone	2.216	4.433	11.082	0.739	12.030	10.000	120
1,3-Dichloropropane	0.083	0.166	0.416	0.028	0.213	0.200	106
Tetrachloroethene	0.077	0.154	0.385	0.026	0.065	0.050	129
Dibromochloromethane	0.130	0.259	0.648	0.043	0.212	0.200	106
1,2-Dibromoethane (EDB)	0.045	0.089	0.223	0.015	0.213	0.200	106
Chlorobenzene	0.052	0.104	0.259	0.017	0.224	0.200	112
Ethylbenzene	0.025	0.049	0.123	0.008	0.026	0.020	128
1,1,1,2-Tetrachloroethane	0.094	0.188	0.470	0.031	0.212	0.200	106
m,p-Xylene	0.048	0.096	0.241	0.016	0.053	0.040	132
o-Xylene	0.019	0.039	0.097	0.006	0.026	0.020	128
Styrene	0.071	0.142	0.354	0.024	0.203	0.200	101
Isopropylbenzene	0.071	0.141	0.353	0.024	0.196	0.200	98
Bromoform	0.125	0.251	0.627	0.042	0.202	0.200	101
n-Propylbenzene	0.094	0.189	0.472	0.031	0.219	0.200	110
Bromobenzene	0.076	0.153	0.382	0.025	0.233	0.200	116
1,3,5-Trimethylbenzene	0.080	0.160	0.399	0.027	0.192	0.200	96
1,1,2,2-Tetrachloroethane	0.095	0.191	0.477	0.032	0.218	0.200	109
1,2,3-Trichloropropane	0.068	0.136	0.340	0.023	0.253	0.200	126
2-Chlorotoluene	0.096	0.193	0.482	0.032	0.227	0.200	113
4-Chlorotoluene	0.082	0.164	0.409	0.027	0.219	0.200	109
tert-Butylbenzene	0.076	0.153	0.382	0.025	0.205	0.200	103
1,2,4-Trimethylbenzene	0.074	0.148	0.370	0.025	0.187	0.200	94
sec-Butylbenzene	0.090	0.180	0.449	0.030	0.195	0.200	98
p-Isopropyltoluene	0.081	0.161	0.404	0.027	0.199	0.200	100
1,3-Dichlorobenzene	0.099	0.197	0.493	0.033	0.224	0.200	112
1,4-Dichlorobenzene	0.088	0.176	0.440	0.029	0.238	0.200	119
1,2-Dichlorobenzene	0.094	0.189	0.472	0.032	0.219	0.200	110
1,2-Dibromo-3-chloropropane	0.595	1.190	2.974	0.198	4.792	5.000	96
1,2,4-Trichlorobenzene	0.134	0.269	0.672	0.045	0.219	0.200	110
Hexachlorobutadiene	0.158	0.315	0.788	0.053	0.227	0.200	113
Naphthalene	0.195	0.390	0.974	0.065	0.237	0.200	119
1,2,3-Trichlorobenzene	0.114	0.228	0.569	0.038	0.208	0.200	104

EPA 8260D
Sequence Tables

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Sequence Name: D:\GCMS11\sequence\08-08-22.sequence.xml
Comment:
Operator: RF
Data Path: D:\GCMS11\GCMS11_Data\08-08-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	080801	VM051422	rinse
2)	Sample	100	080802	VM051422	rinse
3)	Sample	1	080803	VM051422	10 ppb 8260 CCV 67-43N
4)	Sample	2	080804	VM051422	02-1802 lcs
5)	Sample	3	080805	VM051422	02-1802 lcsd
6)	Sample	100	080806	VM051422	rinse
7)	Sample	4	080807	VM051422	02-1802 mb
8)	Sample	5	080808	VM051422	02-1798 mb 1/0.25
9)	Sample	100	080809	VM080522	50 ng BFB 66-171A
10)	Sample	100	080810	VM080522	rinse
11)	Sample	100	080811	VM080522	rinse
12)	Sample	100	080812	VM080522	rinse
13)	Sample	100	080813	VM080522	rinse
14)	Sample	100	080814	VM080522	rinse
15)	Sample	100	080815	VM080522	rinse
16)	Sample	100	080816	VM080522	rinse
17)	Sample	100	080817	VM080522	rinse
18)	Sample	100	080818	VM080522	rinse
19)	Sample	100	080819	VM080522	rinse
20)	Sample	100	080820	VM080522	rinse
21)	Sample	100	080821	VM080522	rinse
22)	Sample	100	080822	VM080522	50 ng BFB 66-171A
23)	Sample	100	080823	VM080522	rinse
24)	Sample	100	080824	VM080522	rinse
25)	Sample	100	080825	VM080522	rinse
26)	Sample	6	080826	VM080522	rinse
27)	Sample	7	080827	VM080522	0.02 ppb 8260 ICAL 67-43F
28)	Sample	8	080828	VM080522	0.04 ppb 8260 ICAL 67-43G
29)	Sample	9	080829	VM080522	0.1 ppb 8260 ICAL 67-43H
30)	Sample	10	080830	VM080522	0.2 ppb 8260 ICAL 67-43I
31)	Sample	11	080831	VM080522	0.5 ppb 8260 ICAL 67-43J
32)	Sample	12	080832	VM080522	1 ppb 8260 ICAL 67-43K
33)	Sample	13	080833	VM080522	2 ppb 8260 ICAL 67-43L
34)	Sample	14	080834	VM080522	5 ppb 8260 ICAL 67-43M
35)	Sample	15	080835	VM080522	10 ppb 8260 ICAL 67-43N
36)	Sample	16	080836	VM080522	20 ppb 8260 ICAL 67-43O
37)	Sample	17	080837	VM080522	50 ppb 8260 ICAL 67-43Q
38)	Sample	18	080838	VM080522	100 ppb 8260 ICAL 67-43S
39)	Sample	19	080839	VM080522	150 ppb 8260 ICAL 67-43T
40)	Sample	20	080840	VM080522	200 ppb 8260 ICAL 67-43U
41)	Sample	21	080841	VM080522	rinse

Sequence Name: D:\GCMS11\sequence\08-08-22.sequence.xml
Comment:
Operator: RF
Data Path: D:\GCMS11\GCMS11_Data\08-08-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

nstrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

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42)	Sample	22	080842	VM080522 10 ppb 8260 SCV 67-46C
43)	Sample	100	080843	VM080522 rinse
44)	Sample	100	080844	VM080522 rinse
45)	Sample	100	080845	VM080522 rinse
46)	Sample	100	080846	VM080522 rinse

Injection Log

Data Directory: P:\Proc_GCMS11\08-08-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 080801.D rinse		100	1.000	08 Aug 2022 05:08 am
2) 080802.D rinse		100	1.000	08 Aug 2022 05:30 am
3) 080803.D 10 ppb 8260 CCV 67-4	soil/water	1	1.000	08 Aug 2022 05:53 am
4) 080804.D 02-1802 lcs	water	2	1.000	08 Aug 2022 06:16 am
5) 080805.D 02-1802 lcsd	water	3	1.000	08 Aug 2022 06:38 am
6) 080806.D rinse	soil/water	100	1.000	08 Aug 2022 07:00 am
7) 080807.D 02-1802 mb	water	4	1.000	08 Aug 2022 07:23 am
8) 080808.D 02-1798 mb 1/0.25	soil	5	1.000	08 Aug 2022 07:45 am
9) 080809.D 50 ng BFB 66-171A	direct inject	100	1.000	08 Aug 2022 09:22 am
10) 080810.D rinse	water	100	1.000	08 Aug 2022 09:50 am
11) 080811.D rinse	water	100	1.000	08 Aug 2022 10:12 am
12) 080812.D rinse	water	100	1.000	08 Aug 2022 10:35 am
13) 080813.D rinse	water	100	1.000	08 Aug 2022 10:58 am
14) 080814.D rinse	water	100	1.000	08 Aug 2022 12:38 pm
15) 080815.D rinse	water	100	1.000	08 Aug 2022 01:02 pm
16) 080816.D rinse	water	100	1.000	08 Aug 2022 01:26 pm
17) 080817.D rinse	water	100	1.000	08 Aug 2022 01:51 pm
18) 080818.D rinse	water	100	1.000	08 Aug 2022 02:17 pm
19) 080819.D rinse	water	100	1.000	08 Aug 2022 02:55 pm
20) 080820.D rinse	water	100	1.000	08 Aug 2022 03:20 pm
21) 080821.D				

DM

VM

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rinse	water	100	1.000	08 Aug 2022	03:46 pm
22) 080822.D 50 ng BFB 66-171A	direct inject	100	1.000	08 Aug 2022	04:18 pm
23) 080823.D rinse	water	100	1.000	08 Aug 2022	04:46 pm
24) 080824.D rinse	water	100	1.000	08 Aug 2022	05:11 pm
25) 080825.D rinse	water	100	1.000	08 Aug 2022	05:36 pm
26) 080826.D rinse	soil/water	6	1.000	08 Aug 2022	06:02 pm
27) 080827.D 0.02 ppb 8260 ICAL 6	soil/water	7	1.000	08 Aug 2022	06:26 pm
28) 080828.D 0.04 ppb 8260 ICAL 6	soil/water	8	1.000	08 Aug 2022	06:51 pm
29) 080829.D 0.1 ppb 8260 ICAL 67	soil/water	9	1.000	08 Aug 2022	07:15 pm
30) 080830.D 0.2 ppb 8260 ICAL 67	soil/water	10	1.000	08 Aug 2022	07:39 pm
31) 080831.D 0.5 ppb 8260 ICAL 67	soil/water	11	1.000	08 Aug 2022	08:02 pm
32) 080832.D 1 ppb 8260 ICAL 67-4	soil/water	12	1.000	08 Aug 2022	08:25 pm
33) 080833.D 2 ppb 8260 ICAL 67-4	soil/water	13	1.000	08 Aug 2022	08:48 pm
34) 080834.D 5 ppb 8260 ICAL 67-4	soil/water	14	1.000	08 Aug 2022	09:12 pm
35) 080835.D 10 ppb 8260 ICAL 67-	soil/water	15	1.000	08 Aug 2022	09:34 pm
36) 080836.D 20 ppb 8260 ICAL 67-	soil/water	16	1.000	08 Aug 2022	09:57 pm
37) 080837.D 50 ppb 8260 ICAL 67-	soil/water	17	1.000	08 Aug 2022	10:20 pm
38) 080838.D 100 ppb 8260 ICAL 67	soil/water	18	1.000	08 Aug 2022	10:42 pm
39) 080839.D 150 ppb 8260 ICAL 67	soil/water	19	1.000	08 Aug 2022	11:05 pm
40) 080840.D 200 ppb 8260 ICAL 67	soil/water	20	1.000	08 Aug 2022	11:27 pm
41) 080841.D rinse	soil/water	21	1.000	08 Aug 2022	11:49 pm
42) 080842.D 10 ppb 8260 SCV 67-4	soil/water	22	1.000	09 Aug 2022	12:12 am
43) 080843.D rinse	water	100	1.000	09 Aug 2022	12:34 am

VM

AUG 10 2022

44) 080844.D rinse	water	100	1.000	09 Aug 2022	12:56 am
45) 080845.D rinse	water	100	1.000	09 Aug 2022	01:18 am
46) 080846.D rinse	water	100	1.000	09 Aug 2022	01:40 am

VM

AUG 10 2022

Sequence Name: D:\GCMS11\sequence\08-19-22.sequence.xml
Comment:
Operator: LM
Data Path: D:\GCMS11\GCMS11_Data\08-19-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

8/22 8/21 JZM

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	1 ~~100~~	081901	VM080522	~~rinse~~ 10 ppb 8260 CCV 67-54N
2)	Sample	2 ~~100~~	081902	VM080522	~~rinse~~ 02-1936 lcs
3)	Sample	3 ~~1~~	081903	VM080522	~~10 ppb 8260 CCV 67-43N~~ 02-1936 lcsd
4)	Sample	4 ~~2~~	081904	VM080522	~~02-1936 lcs~~ 02-1936 mb
5)	Sample	5 ~~3~~	081905	VM080522	~~02-1936 lcsd~~ 02-1935 mb 1/0.25
6)	Sample	6	081906	VM080522	02-1936 mb rr
7)	Sample	7	081907	VM080522	methanol check 225-36 860 uL
8)	Sample	8	081908	VM080522	208259-12 1/20
9)	Sample	9	081909	VM080522	208259-14 rr
10)	Sample	10	081910	VM080522	208259-15 rr
11)	Sample	11	081911	VM080522	208285-01
12)	Sample	12	081912	VM080522	208285-02
13)	Sample	13	081913	VM080522	208285-03
14)	Sample	14	081914	VM080522	208289-01
15)	Sample	15	081915	VM080522	10 ppb 8260 CCV 67-54N
16)	Sample	16	081916	VM080522	208252-01 ms
17)	Sample	100	081917	VM080522	rinse
18)	Sample	17	081918	VM080522	instrument blank
19)	Sample	18	081919	VM080522	208252-01
20)	Sample	19	081920	VM080522	208252-02
21)	Sample	20	081921	VM080522	208252-03
22)	Sample	21	081922	VM080522	208252-04
23)	Sample	22	081923	VM080522	208252-05
24)	Sample	23	081924	VM080522	208252-06
25)	Sample	24	081925	VM080522	208252-07
26)	Sample	25	081926	VM080522	208257-01
27)	Sample	26	081927	VM080522	208257-02
28)	Sample	27	081928	VM080522	208257-03
29)	Sample	28	081929	VM080522	208257-04
30)	Sample	29	081930	VM080522	208257-05
31)	Sample	30	081931	VM080522	208236-01
32)	Sample	31	081932	VM080522	208236-02
33)	Sample	32	081933	VM080522	208236-04
34)	Sample	100	081934	VM080522	rinse
35)	Sample	100	081935	VM080522	rinse
36)	Sample	100	081936	VM080522	rinse

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Last Modified: Fri Aug 19 16:26:58 2022

Injection Log

Data Directory: D:\Proc_GCMS11\08-19-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 081901.D				
10 ppb 8260 CCV 67-5	water	100	1.000	19 Aug 2022 08:50 am
2) 081902.D				
02-1936 lcs	water	100	1.000	19 Aug 2022 09:12 am
3) 081903.D				
02-1936 lcsd	water	1	1.000	19 Aug 2022 09:35 am
4) 081904.D				
02-1936 mb	water	2	1.000	19 Aug 2022 09:57 am
5) 081905.D				
02-1936 mb 1/0.25	soil/water	3	1.000	19 Aug 2022 10:20 am
6) 081906.D				
02-1936 mb rr	water	6	1.000	19 Aug 2022 11:29 am
7) 081907.D				
methanol check 225-3	water	7	1.000	19 Aug 2022 11:51 am
8) 081908.D				
208259-12 1/20	water	8	1.000	19 Aug 2022 12:14 pm
9) 081909.D				
208259-14 rr	water	9	1.000	19 Aug 2022 12:36 pm
10) 081910.D				
208259-15 rr	water	10	1.000	19 Aug 2022 12:59 pm
11) 081911.D				
208285-01	water	11	1.000	19 Aug 2022 01:21 pm
12) 081912.D				
208285-02	water	12	1.000	19 Aug 2022 01:44 pm
13) 081913.D				
208285-03	water	13	1.000	19 Aug 2022 02:06 pm
14) 081914.D				
208289-01	water	14	1.000	19 Aug 2022 02:28 pm
15) 081915.D				
10 ppb 8260 CCV 67-5	soil/water	15	1.000	19 Aug 2022 04:37 pm
16) 081916.D				
208252-01 ms	water	16	1.000	19 Aug 2022 04:59 pm
17) 081917.D				
rinse	water	100	1.000	19 Aug 2022 05:22 pm
18) 081918.D				
instrument blank	water	17	1.000	19 Aug 2022 05:44 pm
19) 081919.D				
208252-01	water	18	1.000	19 Aug 2022 06:07 pm
20) 081920.D				
208252-02	water	19	1.000	19 Aug 2022 06:29 pm
21) 081921.D				

208252-03	water	20	1.000	19 Aug 2022	06:52 pm
22) 081922.D					
208252-04	water	21	1.000	19 Aug 2022	07:14 pm
23) 081923.D					
208252-05	water	22	1.000	19 Aug 2022	07:36 pm
24) 081924.D					
208252-06	water	23	1.000	19 Aug 2022	07:59 pm
25) 081925.D					
208252-07	water	24	1.000	19 Aug 2022	08:21 pm
26) 081926.D					
208257-01	water	25	1.000	19 Aug 2022	08:44 pm
27) 081927.D					
208257-02	water	26	1.000	19 Aug 2022	09:06 pm
28) 081928.D					
208257-03	water	27	1.000	19 Aug 2022	09:29 pm
29) 081929.D					
208257-04	water	28	1.000	19 Aug 2022	09:51 pm
30) 081930.D					
208257-05	water	29	1.000	19 Aug 2022	10:13 pm
31) 081931.D					
208236-01	water	30	1.000	19 Aug 2022	10:36 pm
32) 081932.D					
208236-02	water	31	1.000	19 Aug 2022	10:58 pm
33) 081933.D					
208236-04	water	32	1.000	19 Aug 2022	11:21 pm
34) 081934.D					
rinse	water	100	1.000	19 Aug 2022	11:43 pm
35) 081935.D					
rinse	water	100	1.000	20 Aug 2022	12:05 am
36) 081936.D					
rinse	water	100	1.000	20 Aug 2022	12:27 am

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Sequence Name: D:\GCMS11\sequence\08-22-22.sequence.xml
Comment:
Operator: RF
Data Path: D:\GCMS11\GCMS11_Data\08-22-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	082201	VM080522	rinse
2)	Sample	100	082202	VM080522	rinse
3)	Sample	1	082203	VM080522	10 ppb 8260 CCV 67-43N
4)	Sample	2	082204	VM080522	02-1939 lcs
5)	Sample	3	082205	VM080522	02-1939 lcsd
6)	Sample	100	082206	VM080522	rinse
7)	Sample	4	082207	VM080522	02-1939 mb
8)	Sample	5	082208	VM080522	02-1938 mb 1/0.25
9)	Sample	6	082209	VM080522	208310-01
10)	Sample	7	082210	VM080522	208310-01 ms
11)	Sample	100	082211	VM080522	rinse
12)	Sample	8	082212	VM080522	208245-09
13)	Sample	9	082213	VM080522	208245-10
14)	Sample	10	082214	VM080522	208245-11
15)	Sample	11	082215	VM080522	208245-12
16)	Sample	12	082216	VM080522	208245-13
17)	Sample	13	082217	VM080522	208245-14
18)	Sample	14	082218	VM080522	208245-15
19)	Sample	15	082219	VM080522	208245-16
20)	Sample	16	082220	VM080522	208245-18
21)	Sample	17	082221	VM080522	208245-20
22)	Sample	18	082222	VM080522	10 ppb 8260 CCV 67-54N
23)	Sample	19	082223	VM080522	02-1933 lcs
24)	Sample	20	082224	VM080522	02-1933 lcsd
25)	Sample	21	082225	VM080522	208245-41 ms
26)	Sample	100	082226	VM080522	rinse
27)	Sample	22	082227	VM080522	02-1933 mb
28)	Sample	23	082228	VM080522	208245-41
29)	Sample	24	082229	VM080522	208245-24
30)	Sample	25	082230	VM080522	208245-26
31)	Sample	26	082231	VM080522	208245-28
32)	Sample	27	082232	VM080522	208245-30
33)	Sample	28	082233	VM080522	208245-37
34)	Sample	29	082234	VM080522	208245-22 1/5
35)	Sample	30	082235	VM080522	208245-39 1/5
36)	Sample	31	082236	VM080522	208245-34 1/5
37)	Sample	32	082237	VM080522	208245-32 1/10
38)	Sample	33	082238	VM080522	208236-04 1/200
39)	Sample	34	082239	VM080522	208257-03 1/200
40)	Sample	35	082240	VM080522	208257-04 1/200
41)	Sample	36	082241	VM080522	208257-05 1/200

Injection Log

Data Directory: D:\Proc_GCMS11\08-22-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 082201.D				
rinse		100	1.000	22 Aug 2022 05:12 am
2) 082202.D				
rinse		100	1.000	22 Aug 2022 05:35 am
3) 082203.D				
10 ppb 8260 CCV 67-4	soil/water	1	1.000	22 Aug 2022 05:57 am
4) 082204.D				
02-1939 lcs	water	2	1.000	22 Aug 2022 06:19 am
5) 082205.D				
02-1939 lcsd	water	3	1.000	22 Aug 2022 06:42 am
6) 082206.D				
rinse	soil/water	100	1.000	22 Aug 2022 07:04 am
7) 082207.D				
02-1939 mb	water	4	1.000	22 Aug 2022 07:26 am
8) 082208.D				
02-1938 mb 1/0.25	soil	5	1.000	22 Aug 2022 07:49 am
9) 082209.D				
208310-01	water	6	1.000	22 Aug 2022 08:11 am
10) 082210.D				
208310-01 ms	water	7	1.000	22 Aug 2022 08:33 am
11) 082211.D				
rinse	water	100	1.000	22 Aug 2022 08:56 am
12) 082212.D				
208245-09	water	8	1.000	22 Aug 2022 09:18 am
13) 082213.D				
208245-10	water	9	1.000	22 Aug 2022 09:41 am
14) 082214.D				
208245-11	water	10	1.000	22 Aug 2022 10:03 am
15) 082215.D				
208245-12	water	11	1.000	22 Aug 2022 10:26 am
16) 082216.D				
208245-13	water	12	1.000	22 Aug 2022 10:48 am
17) 082217.D				
208245-14	water	13	1.000	22 Aug 2022 11:10 am
18) 082218.D				
208245-15	water	14	1.000	22 Aug 2022 11:33 am
19) 082219.D				
208245-16	water	15	1.000	22 Aug 2022 11:55 am
20) 082220.D				
208245-18	water	16	1.000	22 Aug 2022 12:18 pm
21) 082221.D				

208245-20	water	17	1.000	22 Aug 2022	12:40 pm
22) 082222.D					
10 ppb 8260 CCV 67-5	water	18	1.000	22 Aug 2022	01:03 pm
23) 082223.D					
02-1933 lcs	water	19	1.000	22 Aug 2022	01:25 pm
24) 082224.D					
02-1933 lcsd	water	20	1.000	22 Aug 2022	01:48 pm
25) 082225.D					
208245-41 ms	water	21	1.000	22 Aug 2022	02:10 pm
26) 082226.D					
rinse		100	1.000	22 Aug 2022	02:33 pm
27) 082227.D					
02-1933 mb	water	22	1.000	22 Aug 2022	02:55 pm
28) 082228.D					
208245-41	water	23	1.000	22 Aug 2022	03:17 pm
29) 082229.D					
208245-24	water	24	1.000	22 Aug 2022	03:40 pm
30) 082230.D					
208245-26	water	25	1.000	22 Aug 2022	04:02 pm
31) 082231.D					
208245-28	water	26	1.000	22 Aug 2022	04:24 pm
32) 082232.D					
208245-30	water	27	1.000	22 Aug 2022	04:47 pm
33) 082233.D					
208245-37	water	28	1.000	22 Aug 2022	05:09 pm
34) 082234.D					
208245-22 1/5	water	29	1.000	22 Aug 2022	05:32 pm
35) 082235.D					
208245-39 1/5	water	30	1.000	22 Aug 2022	05:54 pm
36) 082236.D					
208245-34 1/5	water	31	1.000	22 Aug 2022	06:16 pm
37) 082237.D					
208245-32 1/10	water	32	1.000	22 Aug 2022	06:39 pm
38) 082238.D					
208236-04 1/200	water	33	1.000	22 Aug 2022	07:02 pm
39) 082239.D					
208257-03 1/200	water	34	1.000	22 Aug 2022	07:26 pm
40) 082240.D					
208257-04 1/200	water	35	1.000	22 Aug 2022	07:48 pm
41) 082241.D					
208257-05 1/200	water	36	1.000	22 Aug 2022	08:11 pm

EPA 8260D
Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 11 Sequence Date: 08.08.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ VM	08.10.22
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	✓

Notes: SCV high for Acetone and MEK

Attach this sheet to raw data package.

VM

AUG 10 2022

YA 08/11/22

Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 11 Sequence Date: 8.19.22 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	8.22.22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	No	
RPDs within limits		
Continuing Calibration Analyzed, Evaluated and Passed	✓ see below	
Non-Conformance Report filled out (if needed)	NA	

Notes: TBA ✓, DCM ✓, 2,2,-dichloro ✓

Attach this sheet to raw data package.

YA 08/22/22
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS X11 Sequence Date: 8.19.22 Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	M	8.22.22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)		
Surrogate recoveries within limits		
Laboratory control sample (LCS) recoveries within limits	Nitrans	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	NA	

Notes: Bromodichl F, DCM F

Attach this sheet to raw data package.

YA 08/24/22
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 11 Sequence Date: 8.22.22 Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	8/23/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes:

Attach this sheet to raw data package.

YA 08/24/22
Supervisor Initials and Date

EPA 8260D

Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : P:\Proc_GCMS11\08-08-22\080822.D
Tune Time : 08 Aug 2022 04:18 pm

Daily Calibration File : P:\Proc_GCMS11\08-08-22\080835.D

		(DMF)	(DHL)	(TOL)	(BFB)	72235	55909	32282
File	Sample	Surrogate Recovery %				Internal Standard Responses		
080827.D	0.02 ppb 8	100	94	98	100	71976	57010	32180
080828.D	0.04 ppb 8	101	104	100	102	71599	55511	32294
080829.D	0.1 ppb 82	100	98	100	99	70256	55302	32633
080830.D	0.2 ppb 82	101	98	100	101	71982	56014	31937
080831.D	0.5 ppb 82	100	102	99	103	70227	55215	31503
080832.D	1 ppb 8260	101	103	103	96	68781	53981	31879
080833.D	2 ppb 8260	102	97	101	103	69482	54121	31221
080834.D	5 ppb 8260	102	100	102	98	69904	54991	31424
080835.D	10 ppb 826	100	102	100	100	72235	55909	32282
080836.D	20 ppb 826	99	101	102	100	70922	54822	32142
080837.D	50 ppb 826	100	98	96	96	67522	50873	29994
080838.D	100 ppb 82	93	96	101	102	68481	51301	29370
080839.D	150 ppb 82	101	101	99	100	68433	52899	30028
080840.D	200 ppb 82	99	105	100	101	69478	52550	30248
080841.D	rinse	103	98	96	103	69376	50592	28399
080842.D	10 ppb 826	104	101	97	100	68215	50991	29019

(fails) - fails 12hr time check * - fails criteria

Created: Wed Aug 10 14:32:43 2022 GCMS11

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS11\08-19-22\081901.D
Tune Time : 19 Aug 2022 08:50 am

Daily Calibration File : L:\GCMS11_Data\08-18-22\081806.D

File	Sample	(DMF)	(DHL)	(TOL)	(BFB)	51883	40945	22882
		Surrogate Recovery %				Internal Standard Responses		
081902.D								
	02-1936 lc	110	5*	105	103	49471	41570	23188
081903.D								
	02-1936 lc	110	105	104	99	49121	42975	25507
081904.D								
	02-1936 mb	105	101	107	102	49358	42989	24317
No Quant Results for D:\Proc_GCMS11\08-19-22\081905.D								
081906.D								
	02-1936 mb	106	97	107	97	49972	43336	25839
081907.D								
	methanol c	102	100	102	99	50943	40391	23293
081908.D								
	208259-12	106	102	105	103	51032	43464	24234
081909.D								
	208259-14	106	110	105	101	49931	42366	24706
081910.D								
	208259-15	110	107	104	104	51443	42880	24374
081911.D								
	208285-01	104	99	105	103	51034	43090	24445
081912.D								
	208285-02	105	99	102	101	50598	41754	23798
081913.D								
	208285-03	107	94	104	103	50114	41789	23576
081914.D								
	208289-01	104	96	101	105	52622	42423	23729

(fails) - fails 12hr time check * - fails criteria

Created: Mon Aug 22 09:45:06 2022 GCMS11

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS11\08-19-22\081915.D
Tune Time : 19 Aug 2022 04:37 pm

Daily Calibration File : D:\Proc_GCMS11\08-22-22\082221.D

		(DMF)	(DHL)	(TOL)	(BFB)	38280	30906	17309
File	Sample	Surrogate Recovery %				Internal Standard Responses		
081916.D								
	208252-01	106	3*	104	101	50072	41125	23737
No Quant Results for D:\Proc_GCMS11\08-19-22\081917.D								
No Quant Results for D:\Proc_GCMS11\08-19-22\081918.D								
081919.D								
	208252-01	106	96	103	99	51113	42531	24949
081920.D								
	208252-02	106	101	102	102	50352	41112	23231
081921.D								
	208252-03	104	107	101	102	51654	41344	23879
081922.D								
	208252-04	109	103	106	107	52377	43658	25115
081923.D								
	208252-05	107	96	102	103	50926	41965	24504
081924.D								
	208252-06	108	101	110	112	49183	40628	24029
081925.D								
	208252-07	101	95	109	105	51677	43549	24773
081926.D								
	208257-01	104	94	101	104	51155	42813	23575
081927.D								
	208257-02	105	99	97	99	50314	39566	23405
081928.D								
	208257-03	103	94	104	103	55353	42326	25120
081929.D								
	208257-04	99	94	102	103	54868	41090	23417
081930.D								
	208257-05	99	96	103	102	51128	38324	21493
081931.D								
	208236-01	98	92	102	81	45833	35296	21034
081932.D								
	208236-02	104	100	100	98	45798	35510	20277
081933.D								
	208236-04	99	99	101	103	47194	37274	20218

(fails) - fails 12hr time check * - fails criteria

Created: Mon Aug 22 14:05:19 2022 GCMS11

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS11\08-22-22\082222.D
Tune Time : 22 Aug 2022 01:03 pm

Daily Calibration File : D:\Proc_GCMS11\08-22-22\082228.D

		(DMF)	(DHL)	(TOL)	(BFB)			
						37329	31641	17578
File	Sample	Surrogate Recovery %				Internal Standard Responses		
082223.D								
	02-1933 lc	102	97	105	102	37717	30641	17738
082224.D								
	02-1933 lc	104	100	108	101	37223	30858	17894
082225.D								
	208245-41	108	100	107	100	36705	31089	17895
082226.D								
	rinse	101	98	105	103	36560	30603	17078
082227.D								
	02-1933 mb	106	93	104	102	37420	31469	17831
082228.D								
	208245-41	107	100	103	103	37329	31641	17578
082229.D								
	208245-24	104	98	106	101	37413	31618	18166
082230.D								
	208245-26	104	102	106	105	37437	31516	17464
082231.D								
	208245-28	104	99	105	99	36693	30567	17353
082232.D								
	208245-30	103	100	107	101	37417	30878	17735
082233.D								
	208245-37	107	94	104	102	36588	30288	17416
082234.D								
	208245-22	105	101	107	101	36355	30642	17257
082235.D								
	208245-39	105	100	107	101	35714	30601	17330
082236.D								
	208245-34	106	95	105	100	36292	30674	17153
082237.D								
	208245-32	103	95	100	101	38620	30995	17432
082238.D								
	208236-04	101	103	105	101	37266	30525	17212
082239.D								
	208257-03	100	98	101	96	37395	30264	17555
082240.D								
	208257-04	103	97	102	101	37903	30386	17326
082241.D								
	208257-05	105	98	104	103	36637	29825	16466

(fails) - fails 12hr time check * - fails criteria

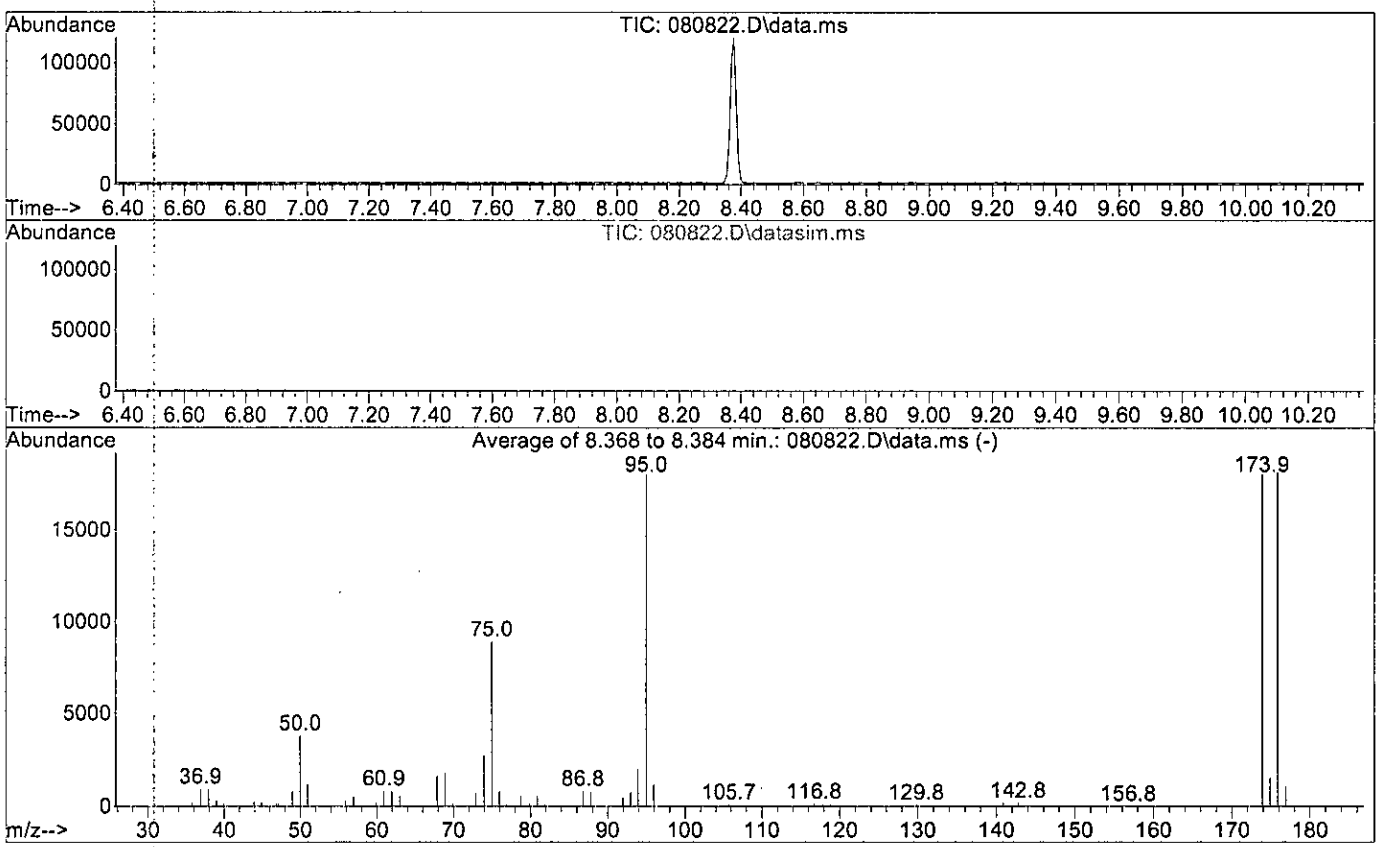
Created: Tue Aug 23 09:01:44 2022 GCMS11

EPA 8260D
Tune Summaries

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080822.D
Acq On : 08 Aug 2022 04:18 pm
Operator : RF
Sample : 50 ng BFB 66-171A
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : P:\METHODS\Inst11\VB080822ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Mon Aug 08 08:52:55 2022



AutoFind: Scans 885, 886, 887; Background Corrected with Scan 879

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	99.6	18221	PASS
96	95	5	9	6.5	1178	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	100.4	18290	PASS
175	174	5	9	8.4	1544	PASS
176	174	95	105	99.4	18188	PASS
177	176	5	10	6.1	1101	PASS

EPA 8260D
Initial Calibrations

Response Factor Report GCMS11

Method Path : P:\METHODS\Inst11\
Method File : VB080822ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Aug 10 13:56:13 2022
Response Via : Initial Calibration

Calibration Files
0.02=080827.D 0.04=080828.D 0.1 =080829.D 0.2 =080830.D 0.5 =080831.D 1 =080832.D 2 =080833.D
5 =080834.D 10 =080835.D 20 =080836.D 50 =080837.D 100 =080838.D 150 =080839.D 200 =080840.D

		Compound	0.02	0.04	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------													
2)	TMP	Ethanol															0.000#	-1.00
3)	S	Dibromofluorom...	0.273	0.277	0.275	0.278	0.275	0.278	0.279	0.279	0.274	0.272	0.273	0.255	0.276	0.272	0.274	2.17
4)	TMP	Dichlorodifluo...					0.881	0.758	0.693	0.855	0.848	0.835	0.872	0.860	0.845	0.750	0.820	7.68
5)	TMP	Chloromethane							0.759	0.926	0.887	0.882	0.913	0.891	0.885	0.785	0.866	6.96
6)	TMP	Vinyl chloride	0.785	0.625	0.786	0.761	0.824	0.822	0.701	0.898	0.853	0.859	0.870	0.846	0.816	0.736	0.799	9.23
7)	TMP	Bromomethane							0.343	0.461	0.478	0.506	0.533	0.517	0.500	0.448	0.473	12.67
8)	TMP	Chloroethane				0.382	0.406	0.423	0.350	0.449	0.432	0.418	0.420	0.409	0.398	0.358	0.404	7.52
9)	TMP	Trichlorofluor...				0.930	0.955	1.014	0.811	1.062	0.961	0.972	0.994	0.978	0.947	0.908	0.957	6.66
10)	TMP	2-Propanol															0.000	-1.00
11)	TMP	Acetone						0.036	0.023	0.025	0.025	0.023	0.024	0.023	0.023	0.021	0.025	18.33
12)	TMP	1,1-Dichloroet...	0.320	0.272	0.290	0.272	0.274	0.278	0.231	0.284	0.280	0.268	0.278	0.272	0.262	0.237	0.273	7.81
13)	TMP	Hexane						0.466	0.379	0.434	0.432	0.401	0.396	0.423	0.416	0.390	0.415	6.48
14)	TMP	Methylene chlo...								0.602	0.432	0.352	0.320	0.292	0.281	0.252	0.362	33.48
15)	TMP	t-Butyl alcoho...						0.033	0.026	0.032	0.032	0.030	0.031	0.031	0.030	0.027	0.030	7.42
16)	TMP	Methyl t-butyl...	0.834	0.758	0.796	0.731	0.779	0.788	0.642	0.787	0.787	0.754	0.772	0.747	0.718	0.653	0.753	7.08
17)	TMP	trans-1,2-Dich...	0.479	0.374	0.316	0.295	0.312	0.306	0.249	0.299	0.309	0.291	0.296	0.288	0.281		0.315	17.99
18)	TMP	Diisopropyl et...				0.984	0.958	1.000	0.779	0.968	0.955	0.913	0.937	0.922	0.968		0.938	6.61
19)	TMP	1,1-Dichloroet...	0.625	0.576	0.562	0.531	0.549	0.568	0.466	0.562	0.556	0.535	0.547	0.528	0.514	0.463	0.541	7.78
20)	TMP	Ethyl t-butyl ...				0.351	0.327	0.345	0.288	0.352	0.348	0.326	0.343	0.330	0.324	0.292	0.330	6.69
21)	TMP	2,2-Dichloropr...				0.453	0.429	0.340	0.274	0.323	0.302	0.285	0.295	0.271	0.280	0.258	0.319	20.33
22)	TMP	cis-1,2-Dichlo...	0.445	0.374	0.336	0.315	0.316	0.325	0.266	0.350	0.317	0.315	0.318	0.307	0.300	0.270	0.325	13.57
23)	TMP	Chloroform				0.504	0.534	0.515	0.437	0.509	0.510	0.490	0.503	0.487	0.480	0.431	0.491	6.45
24)	TMP	2-Butanone (MEK)				0.176	0.146	0.138	0.114	0.127	0.125	0.121	0.130	0.128	0.122	0.110	0.131	13.91
25)	TMP	t-Amyl methyl ...				0.751	0.689	0.784	0.639	0.746	0.758	0.732	0.758	0.745	0.716	0.649	0.724	6.43
26)	TMP	1,2-Dichloroet...	0.882	0.632	0.498	0.436	0.427	0.427	0.350	0.420	0.415	0.398	0.397	0.395	0.377	0.339	0.457	31.03
27)	TMP	1,1,1-Trichlor...	0.472	0.468	0.460	0.445	0.455	0.473	0.388	0.471	0.469	0.453	0.461	0.455	0.439	0.394	0.450	6.03
28)	TMP	1,1-Dichloropr...				0.397	0.393	0.391	0.317	0.393	0.384	0.371	0.372	0.371	0.370	0.332	0.372	6.88
29)	TMP	Carbon tetrach...				0.360	0.463	0.403	0.344	0.394	0.399	0.389	0.402	0.400	0.390	0.350	0.390	8.22
30)	S	1,2-Dichloroet...	0.055	0.062	0.058	0.058	0.061	0.061	0.058	0.059	0.060	0.060	0.058	0.057	0.060	0.062	0.059	3.28
31)	TMP	Benzene	1.431	1.295	1.147	1.072	1.112	1.141	0.936	1.130	1.121	1.080	1.089	1.080	1.043	0.936	1.115	11.35
32)	TMP	Trichloroethene	0.458	0.402	0.347	0.314	0.316	0.327	0.268	0.322	0.323	0.307	0.310	0.310	0.301	0.271	0.327	15.14
33)	TMP	1,2-Dichloropr...				0.354	0.304	0.297	0.246	0.310	0.290	0.281	0.279	0.283	0.273	0.245	0.287	10.53
34)	TMP	Bromodichlorom...				0.351	0.413	0.329	0.294	0.365	0.352	0.345	0.357	0.362	0.352	0.318	0.349	8.60
35)	S	Toluene-d8	0.942	0.960	0.957	0.963	0.951	0.986	0.967	0.986	0.965	0.979	0.922	0.970	0.950	0.964	0.962	1.77
36)	TMP	Dibromomethane				0.202	0.180	0.170	0.148	0.165	0.167	0.165	0.165	0.165	0.158	0.143	0.166	9.44
37)	TMP	4-Methyl-2-pen...				0.043	0.042	0.042	0.035	0.042	0.043	0.042	0.041	0.043	0.040	0.037	0.041	6.28
38)	TMP	cis-1,3-Dichlo...				0.370	0.379	0.387	0.355	0.436	0.415	0.405	0.396	0.423	0.401	0.363	0.394	6.50
39)	I	Chlorobenzene-d5	----------	ISTD	----------													
40)	TMP	Toluene		2.310	1.423	1.103	0.960	0.943	0.761	0.894	0.901	0.874	0.880	0.920	0.846	0.780	1.046	39.72
41)	TMP	trans-1,3-Dich...				0.542	0.486	0.473	0.375	0.466	0.465	0.461	0.461	0.493	0.448	0.412	0.462	9.28
42)	TMP	1,1,2-Trichlor...				0.257	0.259	0.265	0.218	0.262	0.263	0.254	0.251	0.266	0.238	0.220	0.250	6.96
43)	TMP	2-Hexanone				0.305	0.235	0.261	0.212	0.247	0.250	0.238	0.230	0.245	0.211	0.195	0.239	12.27
44)	TMP	1,3-Dichloropr...				0.521	0.464	0.447	0.387	0.473	0.460	0.442	0.432	0.463	0.413	0.383	0.444	8.99
45)	TMP	Tetrachloroethene	0.754	0.653	0.490	0.395	0.378	0.384	0.319	0.369	0.378	0.362	0.361	0.378	0.349	0.326	0.421	30.30
46)	TMP	Dibromochlorom...				0.352	0.309	0.293	0.278	0.338	0.363	0.355	0.357	0.384	0.347	0.327	0.337	9.53
47)	TMP	1,2-Dibromoeth...		0.392	0.351	0.313	0.314	0.321	0.264	0.316	0.321	0.310	0.308	0.323	0.285	0.263	0.314	10.72
48)	TMP	Chlorobenzene				1.052	0.986	1.040	0.864	1.000	1.016	0.984	0.977	1.023	0.940	0.863	0.977	6.55
49)	TMP	Ethylbenzene	2.386	2.040	1.785	1.655	1.659	1.700	1.405	1.681	1.705	1.646	1.624	1.688	1.528	1.407	1.708	14.59
50)	TMP	1,1,1,2-Tetrac...				0.321	0.355	0.377	0.315	0.359	0.366	0.358	0.365	0.377	0.354	0.326	0.352	6.12
51)	TMP	m,p-Xylene	0.982	0.822	0.694	0.643	0.642	0.659	0.545	0.648	0.659	0.636	0.627	0.660	0.601	0.555	0.670	16.57
52)	TMP	o-Xylene	0.956	0.784	0.676	0.634	0.632	0.652	0.536	0.643	0.650	0.630	0.635	0.658	0.606	0.558	0.661	15.44
53)	TMP	Styrene				0.978	1.019	1.044	0.828	1.021	1.034	1.021	1.013	1.065	0.972	0.892	0.990	7.15
54)	TMP	Isopropylbenzene				1.732	1.654	1.720	1.388	1.617	1.660	1.594	1.631	1.695	1.568	1.443	1.609	6.76
55)	TMP	Bromoform				0.180	0.208	0.239	0.185	0.234	0.231	0.236	0.246	0.272	0.248	0.230	0.228	11.91
56)	I	1,4-Dichlorobenzen...	----------	ISTD	----------													
57)	S	4-Bromofluorob...	0.829	0.842	0.817	0.832	0.848	0.793	0.851	0.807	0.826	0.825	0.797	0.841	0.824	0.835	0.826	2.15
58)	TMP	n-Propylbenzene				3.476	3.332	3.199	2.758	3.259	3.318	3.188	3.148	3.365	3.109	2.838	3.181	6.83
59)	TMP	Bromobenzene				0.831	0.875	0.810	0.672	0.810	0.831	0.769	0.778	0.837	0.778	0.709	0.791	7.45
60)	TMP	1,3,5-Trimethy...				2.582	2.478	2.385	2.018	2.384	2.451	2.318	2.369	2.488	2.330	2.134	2.358	6.84
61)	TMP	1,1,2,2-Tetrac...				0.736	0.630	0.639	0.612	0.684	0.672	0.634	0.636	0.691	0.626	0.570	0.648	6.91
62)	TMP	1,2,3-Trichlor...				0.402	0.484	0.483	0.405	0.499	0.494	0.457	0.451	0.493	0.441	0.399	0.455#	8.52
63)	TMP	2-Chlorotoluene				2.170	1.954	1.890	1.657	1.949	1.950	1.848	1.858	1.969	1.814	1.663	1.884	7.70
64)	TMP	4-Chlorotoluene				2.256	2.215	2.255	1.948	2.296	2.305	2.158	2.151	2.309	2.141	1.933	2.179	6.08
65)	TMP	tert-Butylbenzene				2.211	2.086	2.105	1.778	2.140	2.211	2.073	2.133	2.285	2.167	1.981	2.106	6.44
66)	TMP	1,2,4-Trimethy...				2.585	2.506	2.417	2.027	2.440	2.494	2.411	2.475	2.634	2.460	2.243	2.427	6.86
67)	TMP	sec-Butylbenzene				3.177	3.134	3.095	2.592	3.147	3.209	3.051	3.106	3.322	3.139	2.871	3.077	6.33
68)	TMP	p-Isopropyltol...				2.801	2.602	2.616	2.288	2.654	2.766	2.662	2.718	2.907	2.732	2.509	2.660	6.14
69)	TMP	1,3-Dichlorobe...				1.559	1.505	1.516	1.300	1.508	1.581	1.483	1.475	1.601	1.473	1.352	1.487	6.10
70)	TMP	1,4-Dichlorobe...				1.653	1.566	1.474	1.214	1.459	1.509	1.420	1.412	1.528	1.416	1.290	1.449	8.45
71)	TMP	1,2-Dichlorobe...				1.536	1.567	1.465	1.255	1.504	1.518	1.443	1.443	1.533	1.425	1.300	1.454	6.78
72)	TMP	1,2-Dibromo-3-...						0.139	0.100	0.114	0.112	0.110	0.116	0.128	0.119	0.111	0.116	9.69
73)	TMP	1,2,4-Trichlor...				1.177	1.131	1.046	0.907	1.117	1.140	1.065	1.120	1.195	1.151	1.061	1.101	7.25
74)	TMP	Hexachlorobuta...				0.625	0.598	0.602	0.522	0.619	0.639	0.588	0.612	0.651	0.630	0.587	0.607	5.71
75)	TMP	Naphthalene				2.085	2.133	2.076	1.690	2.110	2.125	2.063	2.213	2.350	2.263	2.076	2.108	7.85
76)	TMP	1,2,3-Trichlor...				1.049	1.017	0.962	0.824	0.982	1.001	0.958	1.015	1.066	1.031	0.943	0.986	6.71

(#) = Out of Range

Compound List Report GCMS11

Method Path : P:\METHODS\Inst11\
Method File : VB080822ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Aug 10 13:56:13 2022
Response Via : Initial Calibration

Total Cpnds : 76

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.62	1.000	A	1	A	B
2	T	Ethanol	45	1.89	0.410	A	1	A	B
3	S	Dibromofluoromethane	113	4.07	0.881	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.09	0.235	A	1	A	B
5	T	Chloromethane	50	1.22	0.264	A	1	A	B
6	T	Vinyl chloride	-62	1.29	0.280	A	1	A	B
7	T	Bromomethane	94	1.52	0.330	A	1	A	B
8	T	Chloroethane	-64	1.58	0.342	A	1	A	B
9	T	Trichlorofluoromethane	101	1.78	0.386	A	1	A	B
10	T	2-Propanol	45	2.39	0.518	A	1	A	B
11	T	Acetone	58	2.25	0.488	Q	1	A	B
12	T	1,1-Dichloroethene	-96	2.19	0.473	A	2	A	B
13	T	Hexane	57	3.04	0.658	A	2	A	B
14	T	Methylene chloride	84	2.60	0.563	Q	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.73	0.590	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	-73	2.83	0.613	A	1	A	B
17	T	trans-1,2-Dichloroethene	-96	2.82	0.611	L	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.23	0.701	A	3	A	B
19	T	1,1-Dichloroethane	-63	3.17	0.688	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.54	0.767	A	3	A	B
21	T	2,2-Dichloropropane	77	3.66	0.792	Q	1	A	B
22	T	cis-1,2-Dichloroethene	-96	3.66	0.793	L	2	A	B
23	T	Chloroform	83	3.94	0.853	A	1	A	B
24	T	2-Butanone (MEK)	43	3.70	0.801	L	2	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.49	0.972	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	-62	4.41	0.955	L	1	A	B
27	T	1,1,1-Trichloroethane	-97	4.07	0.882	A	2	A	B
28	T	1,1-Dichloropropene	75	4.21	0.911	A	2	A	B
29	T	Carbon tetrachloride	117	4.21	0.911	A	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.35	0.942	A	1	A	B
31	T	Benzene	-78	4.38	0.950	L	1	A	B
32	T	Trichloroethene	-95	4.93	1.067	L	3	A	B
33	T	1,2-Dichloropropane	63	5.13	1.111	A	1	A	B
34	T	Bromodichloromethane	83	5.37	1.162	A	2	A	B
35	S	Toluene-d8	98	5.98	1.296	A	1	A	B
36	T	Dibromomethane	93	5.23	1.133	A	2	A	B
37	T	4-Methyl-2-pentanone	85	5.91	1.279	A	2	A	B
38	T	cis-1,3-Dichloropropene	75	5.75	1.246	A	2	A	B
39	I	Chlorobenzene-d5	117	7.27	1.000	A	1	A	B
40	T	Toluene	-92	6.03	0.829	L	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.25	0.859	A	2	A	B
42	T	1,1,2-Trichloroethane	-83	6.40	0.881	A	2	A	B
43	T	2-Hexanone	43	6.64	0.913	A	3	A	B
44	T	1,3-Dichloropropane	76	6.55	0.902	A	1	A	B
45	T	Tetrachloroethene	-164	6.51	0.896	L	3	A	B
46	T	Dibromochloromethane	129	6.75	0.929	A	1	A	B
47	T	1,2-Dibromoethane (EDB)	-107	6.85	0.943	A	2	A	B
48	T	Chlorobenzene	112	7.30	1.004	A	2	A	B
49	T	Ethylbenzene	-91	7.40	1.018	L	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.38	1.015	A	2	A	B
51	T	m,p-Xylene	-106	7.52	1.034	L	1	A	B
52	T	o-Xylene	-106	7.88	1.084	L	1	A	B
53	T	Styrene	104	7.90	1.086	A	1	A	B
54	T	Isopropylbenzene	105	8.23	1.133	A	1	A	B
55	T	Bromoform	173	8.07	1.110	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.48	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.38	0.883	A	2	A	B
58	T	n-Propylbenzene	91	8.63	0.910	A	1	A	B
59	T	Bromobenzene	156	8.52	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.80	0.928	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.54	0.900	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.57	0.904	A	3	A	R
63	T	2-Chlorotoluene	91	8.70	0.918	A	1	A	B
64	T	4-Chlorotoluene	91	8.81	0.929	A	1	A	B
65	T	tert-Butylbenzene	119	9.11	0.960	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.16	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.32	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.47	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.42	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.51	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	9.87	1.041	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.64	1.122	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.44	1.207	A	2	A	B
74	T	Hexachlorobutadiene	225	11.61	1.225	A	2	A	B
75	T	Naphthalene	128	11.69	1.232	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	11.92	1.257	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

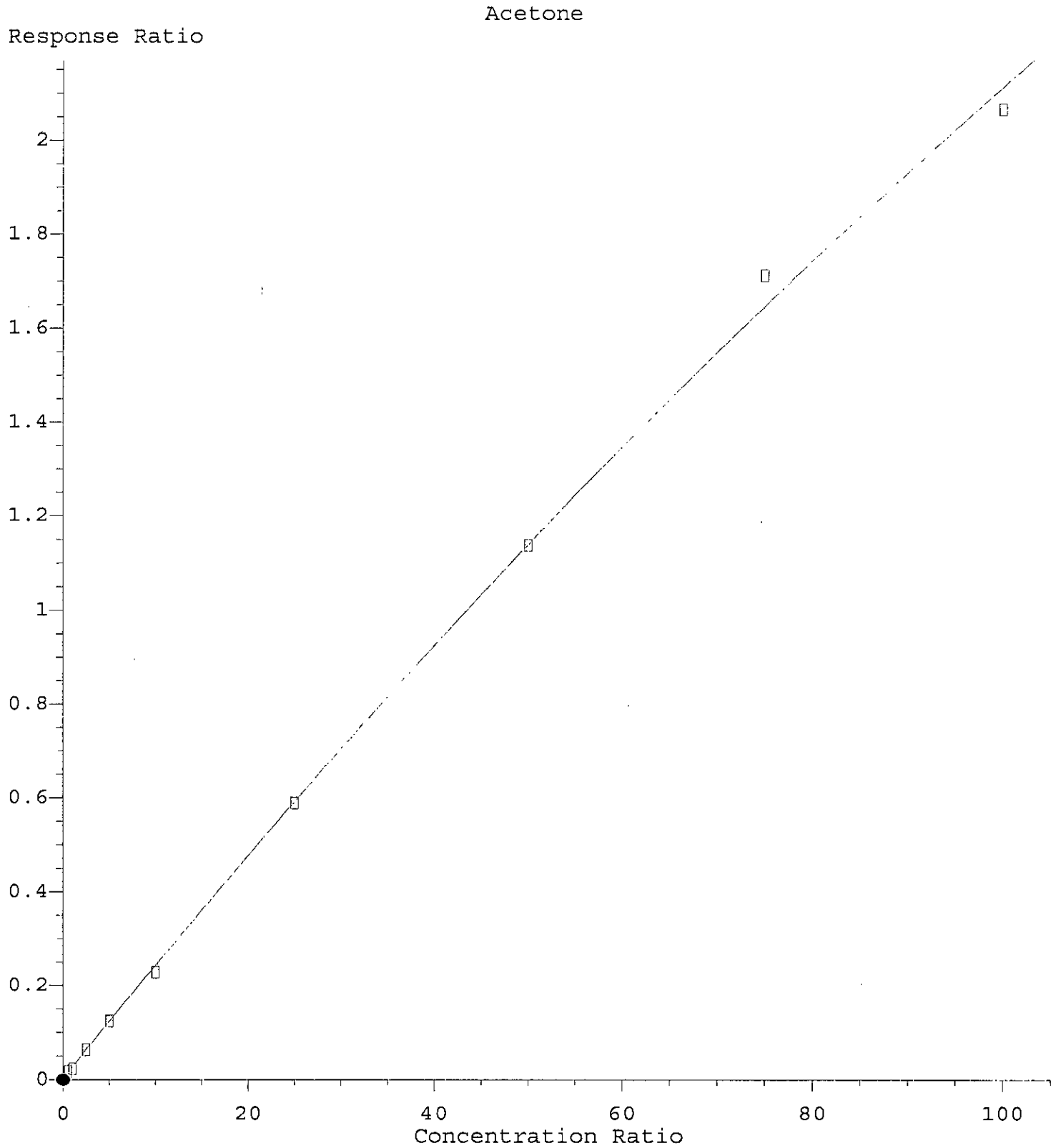
VB080822ms11.M Wed Aug 10 14:33:45 2022

Calibration Status Report GCMS11

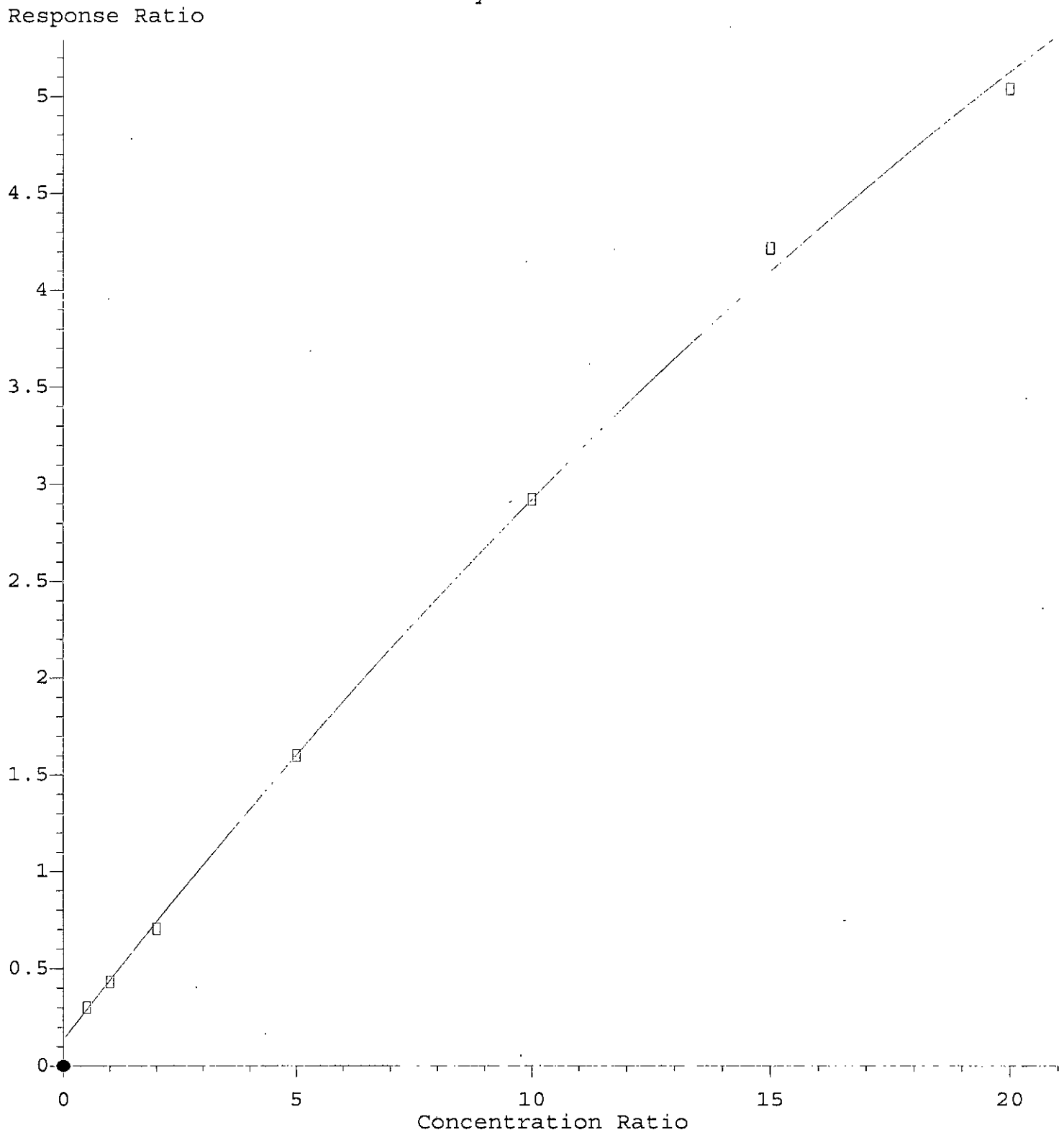
Method Path : P:\METHODS\Inst11\
Method File : VB080822ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Aug 10 13:56:13 2022
Response Via : Initial Calibration

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3	0.1	0	10	P:\Proc_GCMS11\08-08-22\080829.D
4	0.2	0	10	P:\Proc_GCMS11\08-08-22\080830.D
5	0.5	1	10	P:\Proc_GCMS11\08-08-22\080831.D
6	1	1	10	P:\Proc_GCMS11\08-08-22\080832.D
7	2	2	10	P:\Proc_GCMS11\08-08-22\080833.D
8	5	5	10	P:\Proc_GCMS11\08-08-22\080834.D
9	10	10	10	P:\Proc_GCMS11\08-08-22\080835.D
10	20	20	10	P:\Proc_GCMS11\08-08-22\080836.D
11	50	50	10	P:\Proc_GCMS11\08-08-22\080837.D
12	100	100	10	P:\Proc_GCMS11\08-08-22\080838.D
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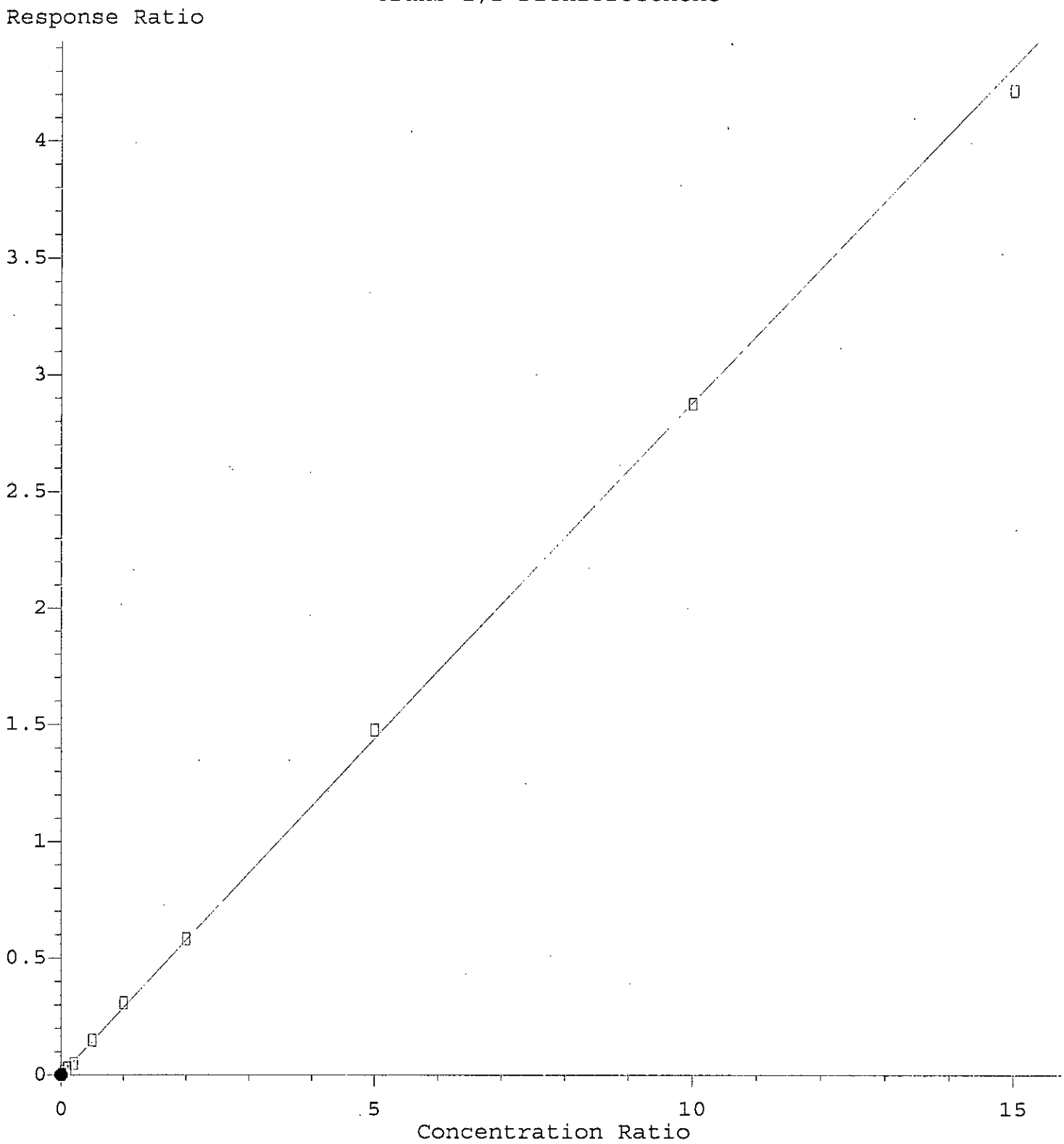
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3	0.1	Aug 09 09:39 2022	Aug 09 09:30 2022	08 Aug 2022 07:15 pm
4	0.2	Aug 09 09:39 2022	Aug 09 09:31 2022	08 Aug 2022 07:39 pm
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6	1	Aug 09 09:39 2022	Aug 09 09:35 2022	08 Aug 2022 08:25 pm
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8	5	Aug 09 09:39 2022	Aug 09 09:38 2022	08 Aug 2022 09:12 pm
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10	20	Aug 09 09:39 2022	Aug 09 09:40 2022	08 Aug 2022 09:57 pm
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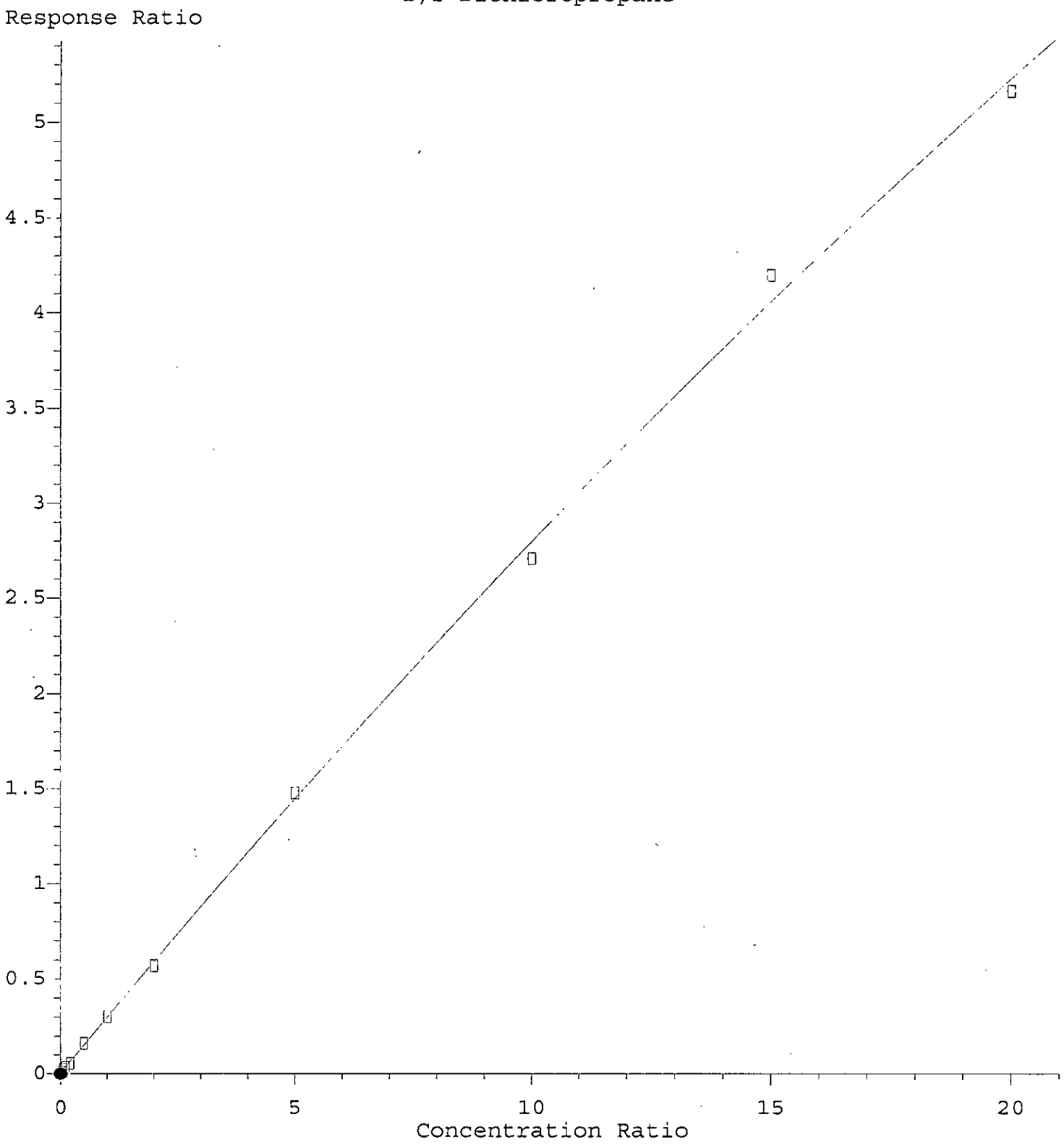
R = -3.21e-005 A*A + 2.43e-002 A + 3.22e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



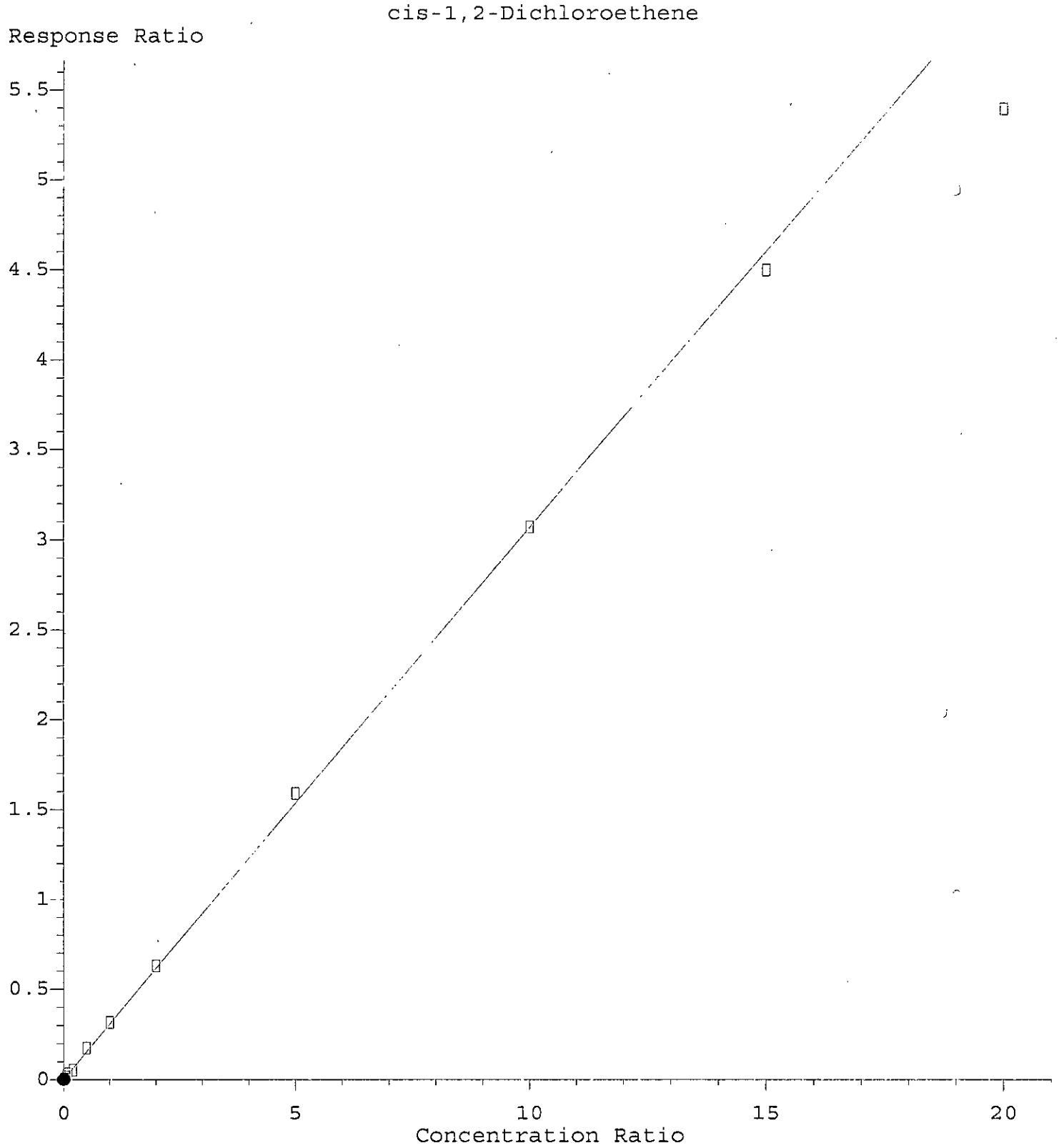
R = -2.91e-003 A*A + 3.08e-001 A + 1.36e-001
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



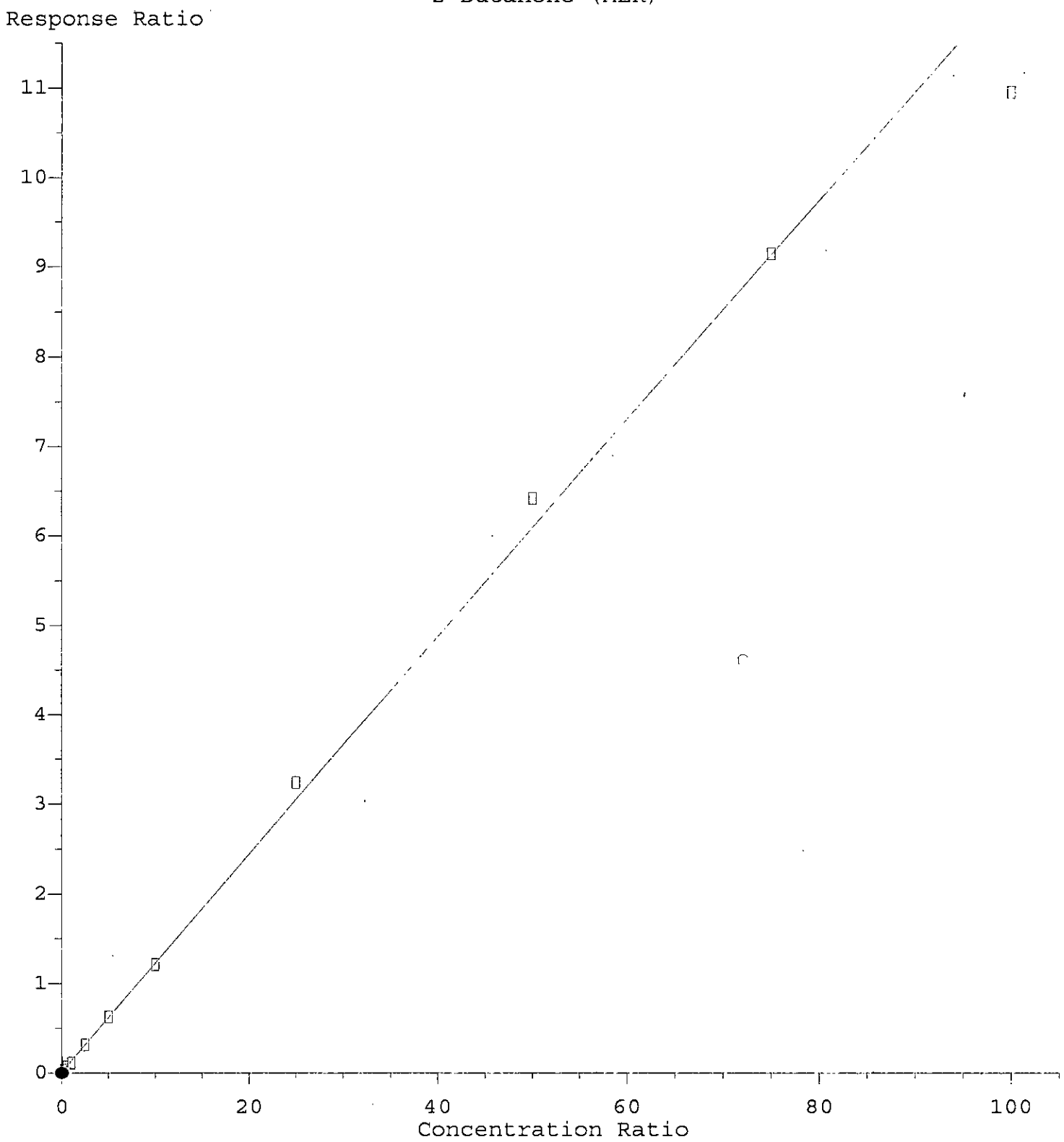
Response = 2.88e-001 * Amt + 3.70e-004
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



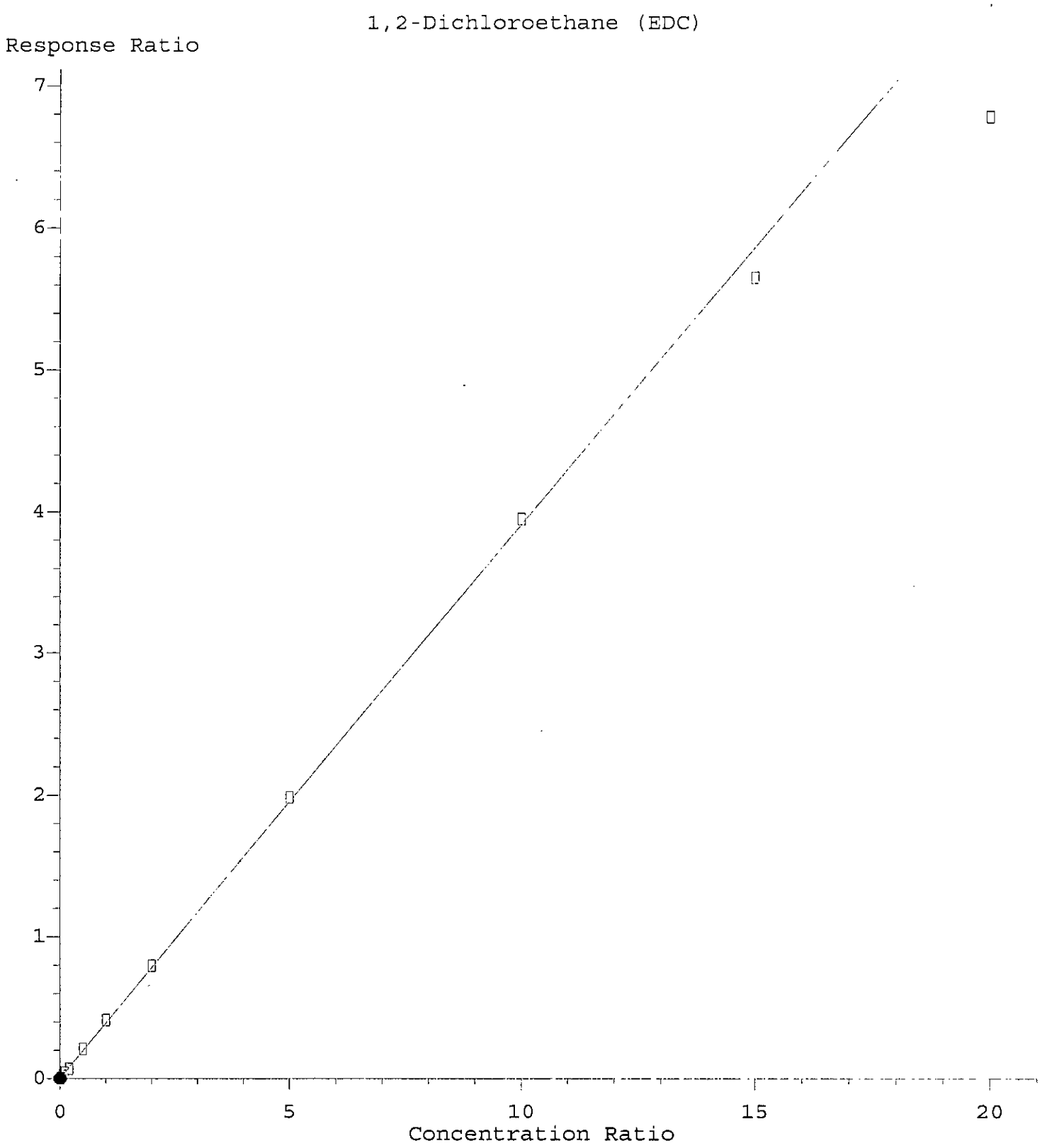
R = -1.80e-003 A*A + 2.97e-001 A + 3.78e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



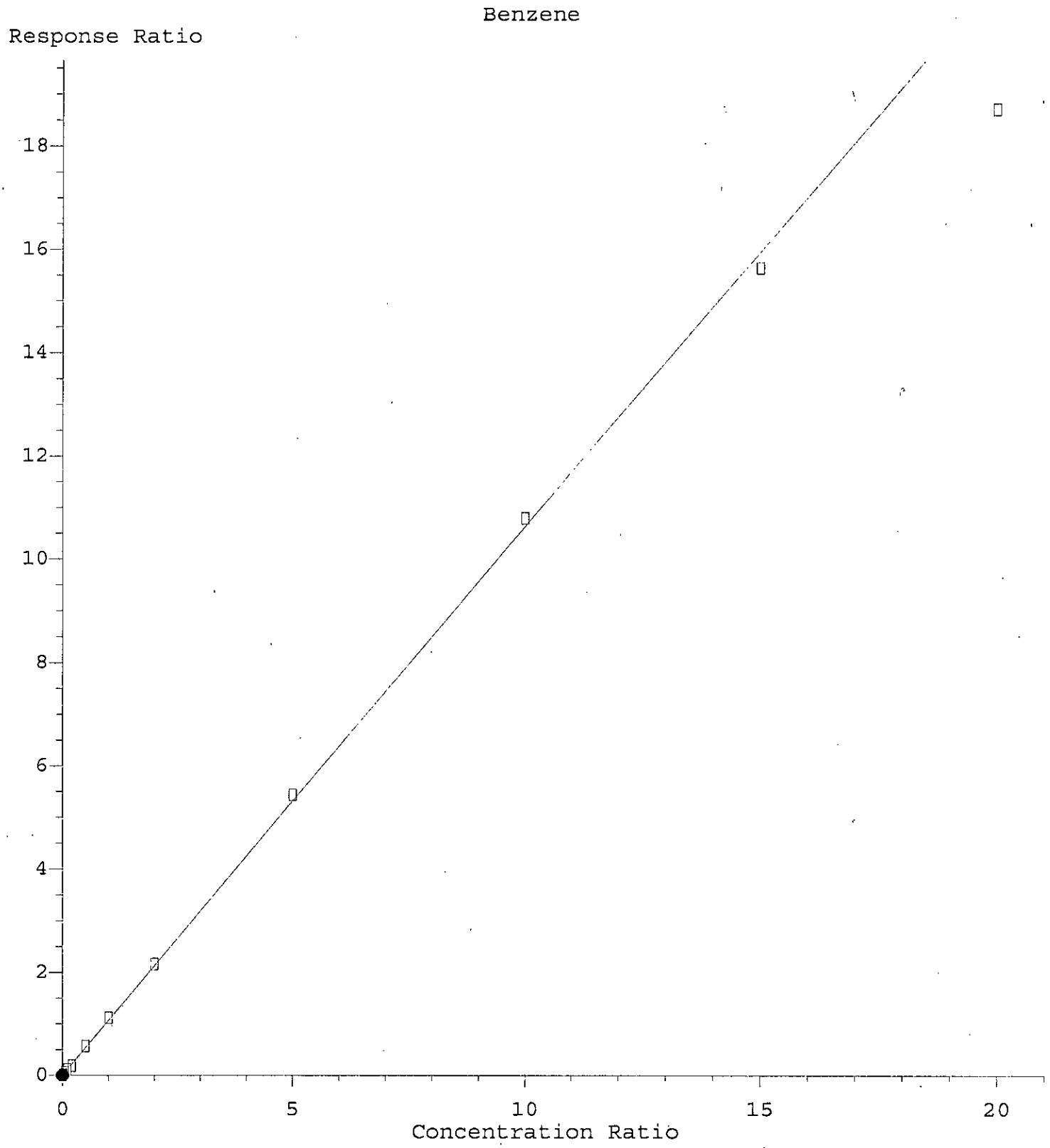
Response = 3.07e-001 * Amt + 2.74e-004
Coef of Det (r^2) = 0.995 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



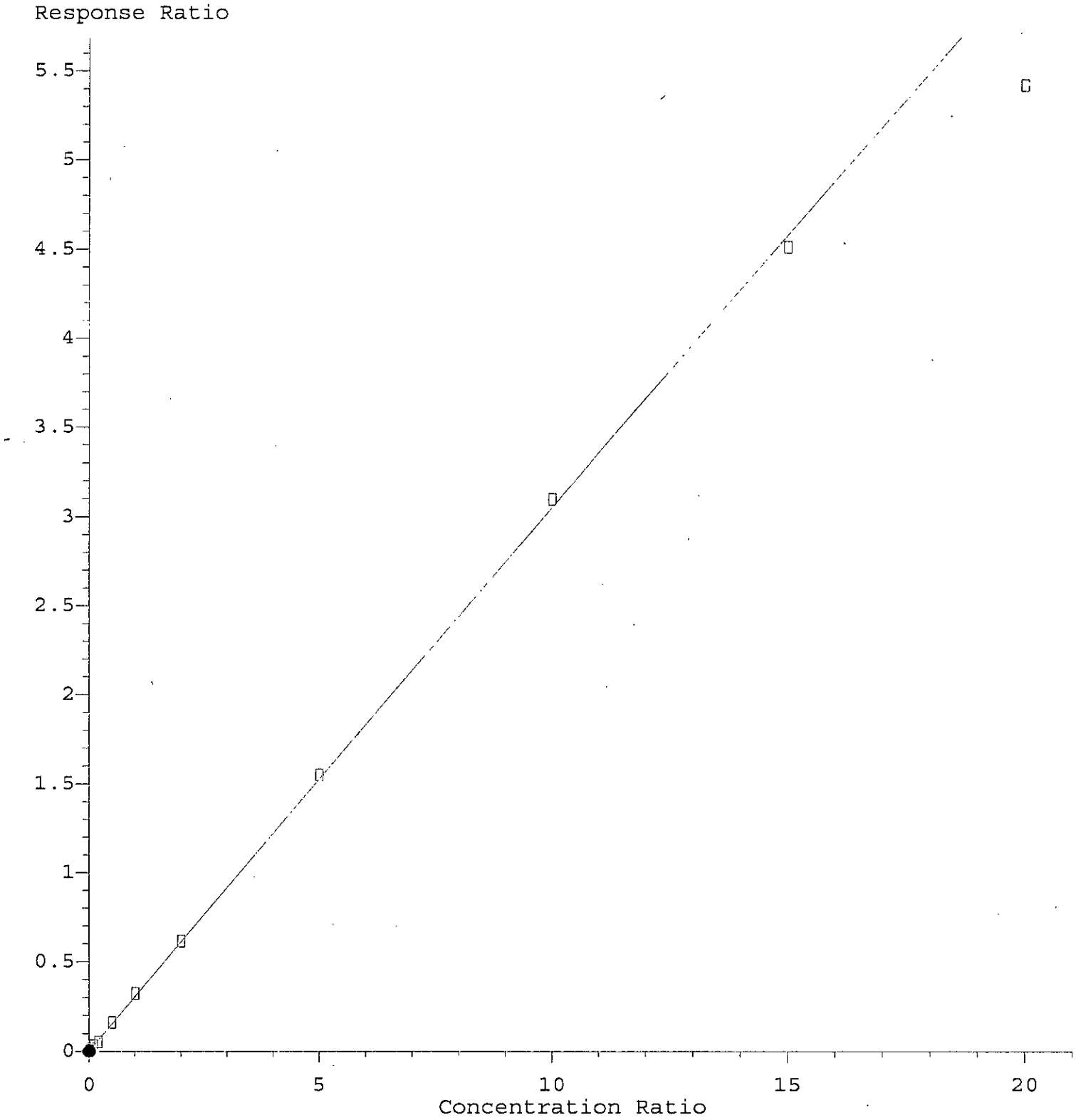
Response = 1.22e-001 * Amt + 5.51e-003
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



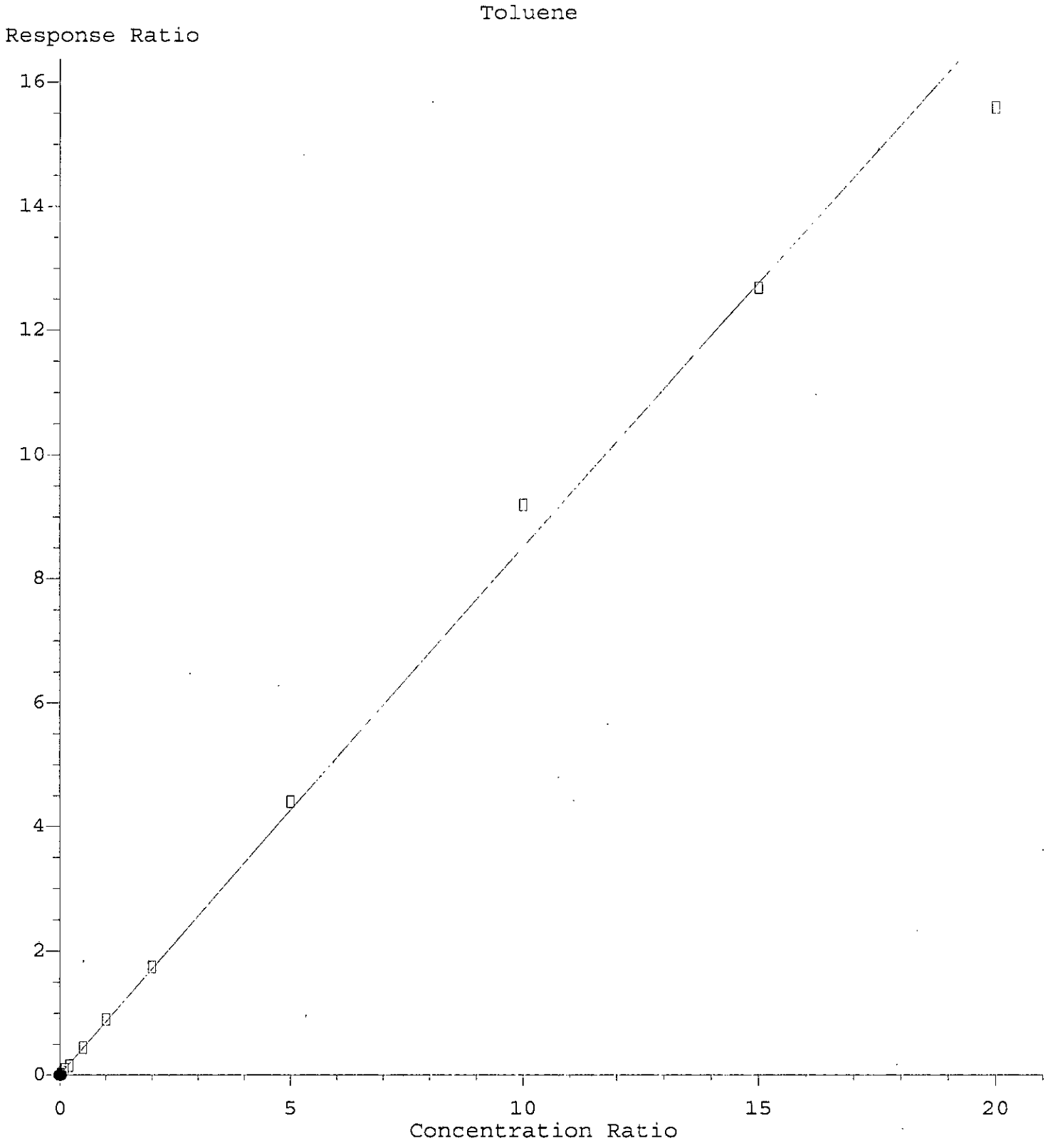
Response = 3.91e-001 * Amt + 9.83e-004
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



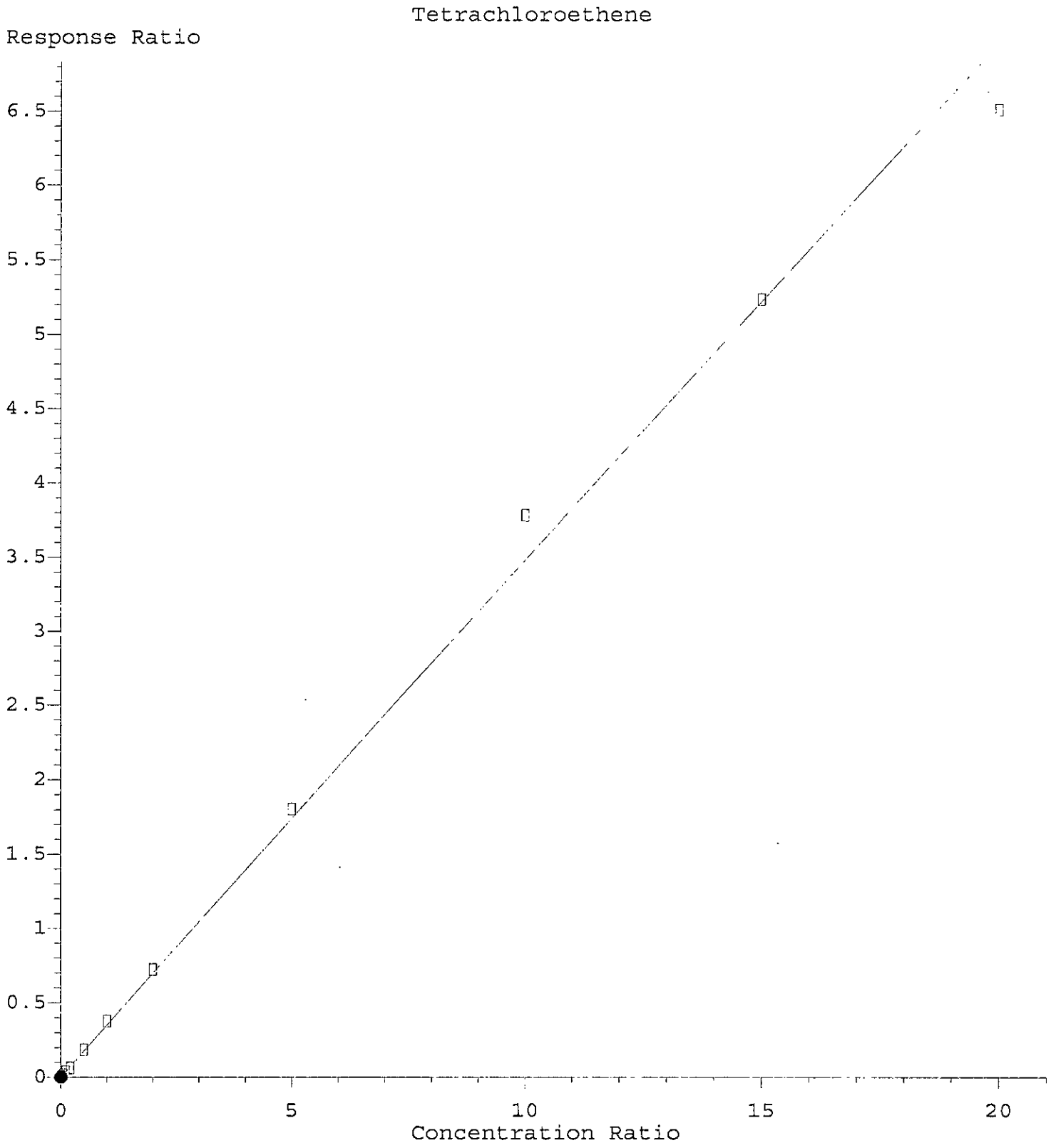
Response = 1.06e+000 * Amt + 7.74e-004
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



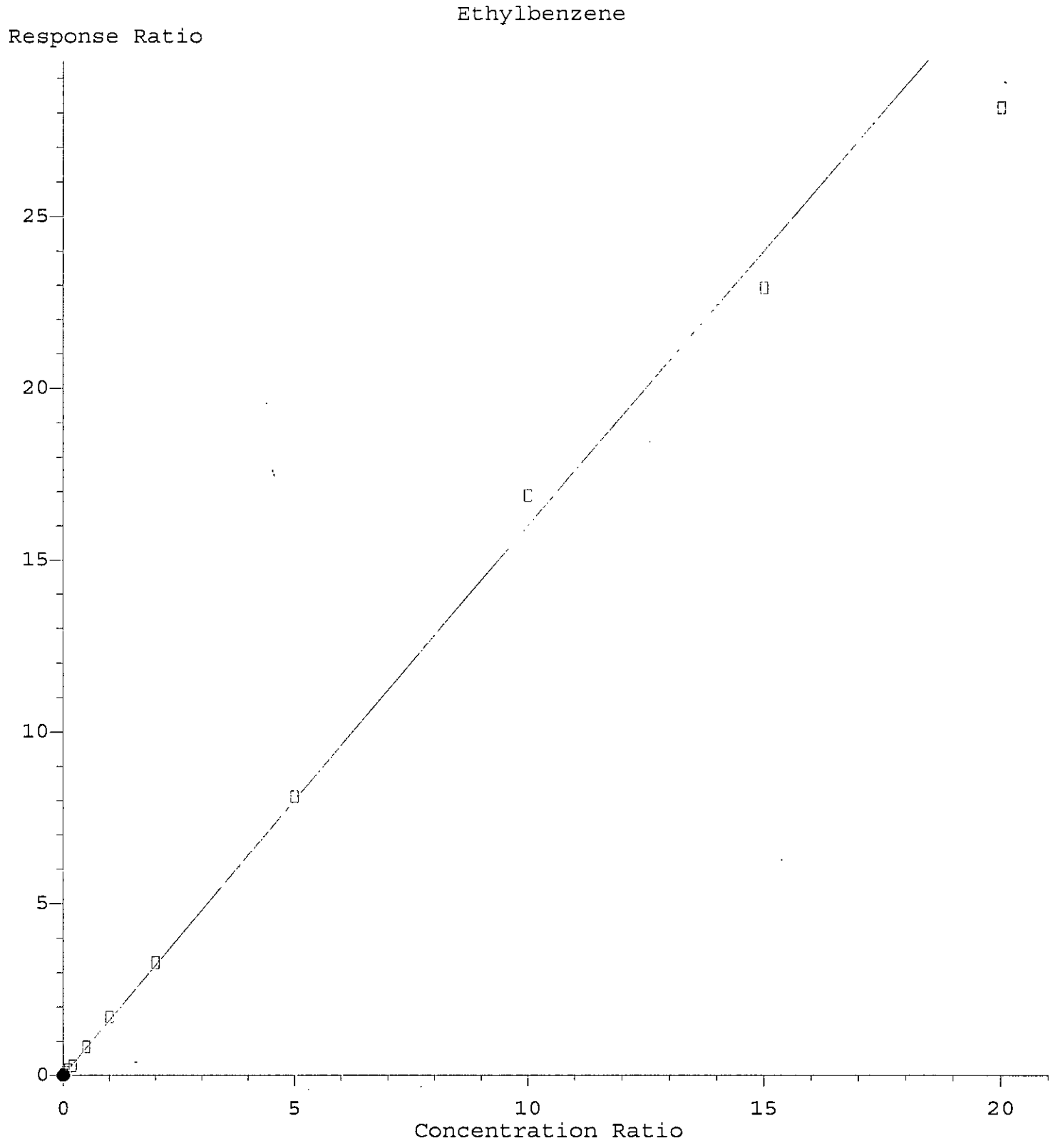
Response = 3.05e-001 * Amt + 3.25e-004
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



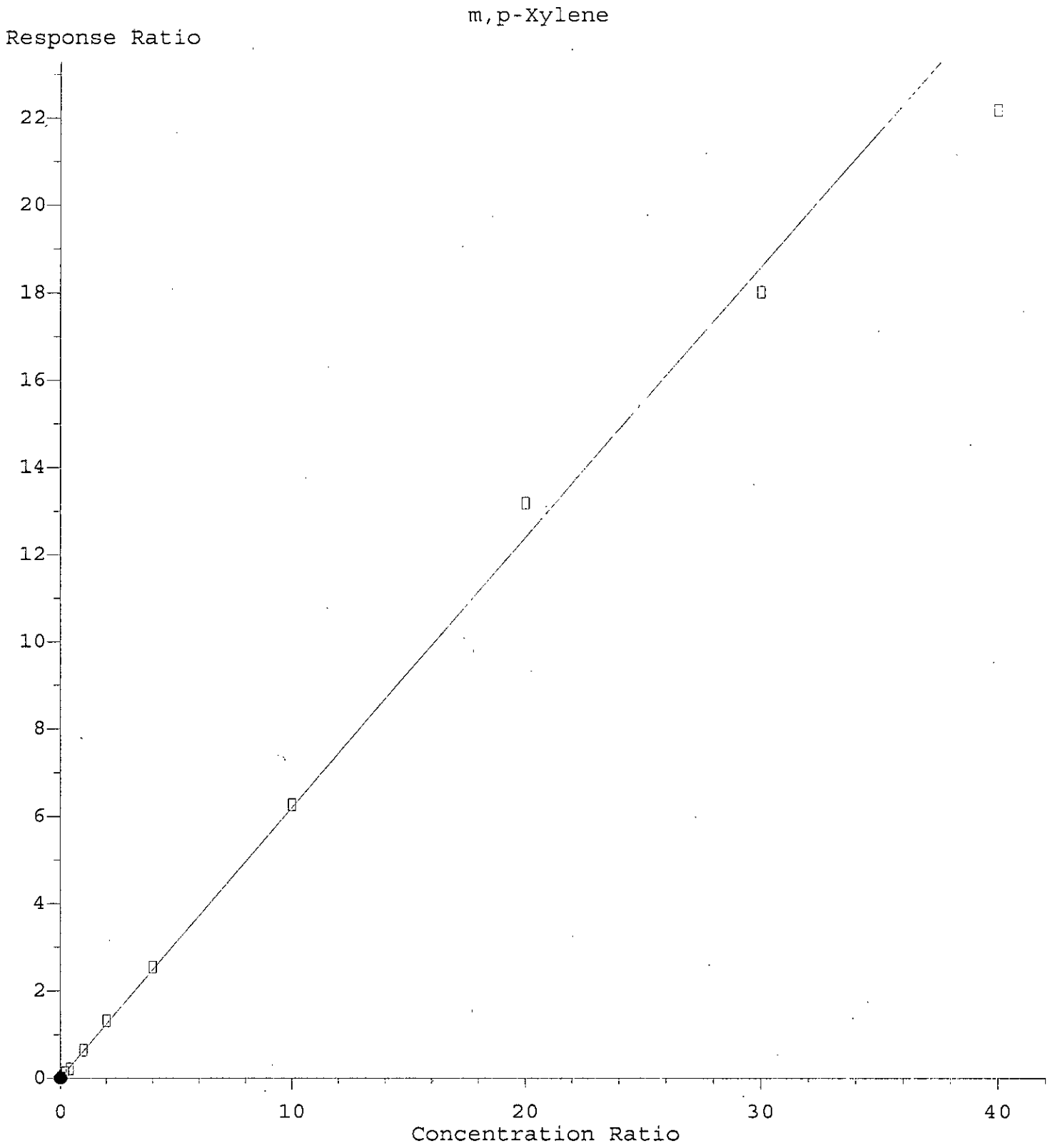
Response = 8.50e-001 * Amt + 5.80e-003
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



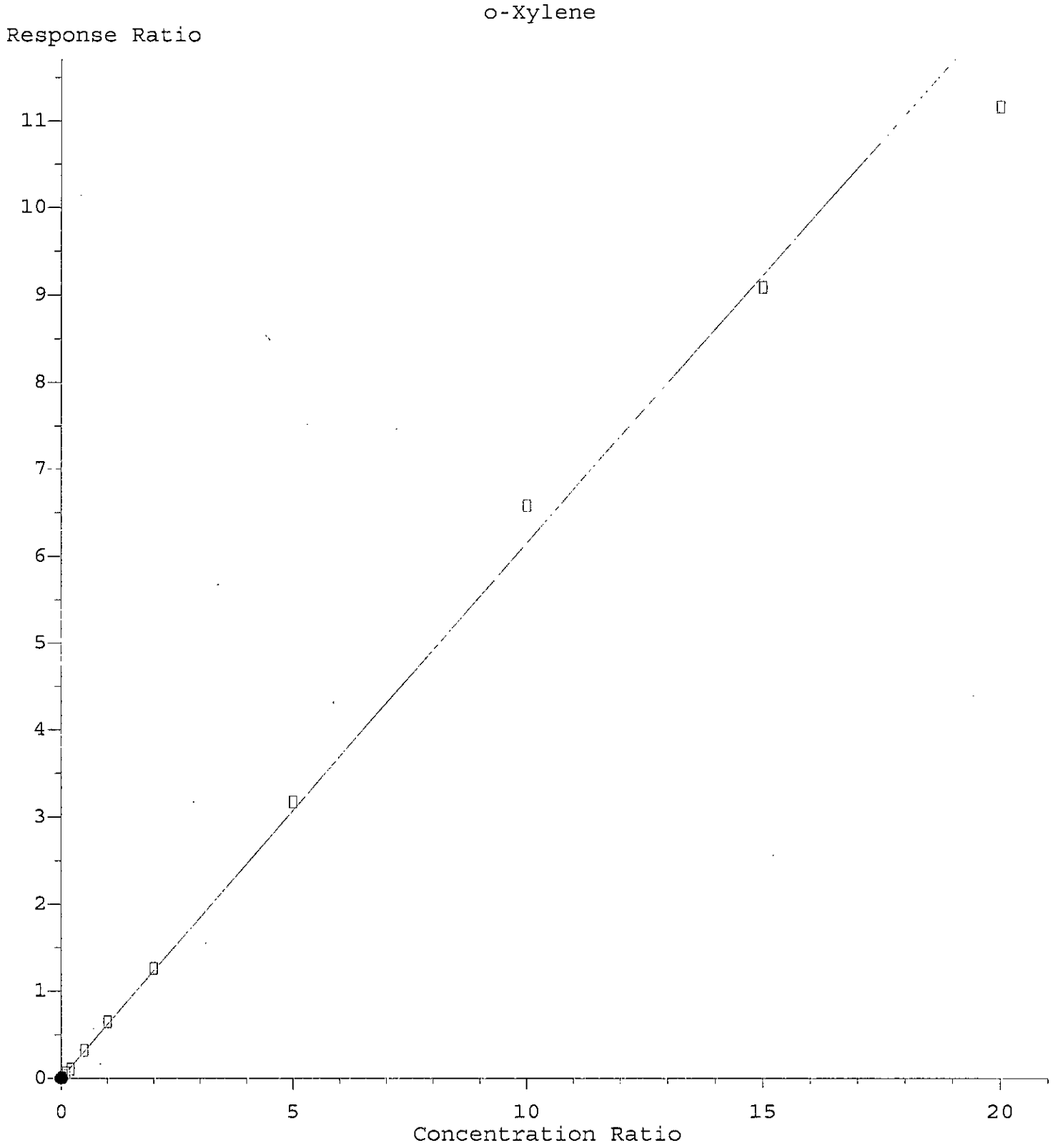
Response = 3.48e-001 * Amt + 1.09e-003
Coef of Det (r^2) = 0.997 Curve Fit: wlr(1/a)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



Response = 1.60e+000 * Amt + 1.62e-003
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



Response = 6.20e-001 * Amt + 1.48e-003
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



Response = 6.15e-001 * Amt + 6.75e-004
Coef of Det (r^2) = 0.996 Curve Fit: w1r(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022

GC/MS ICAL Checklist

Instrument: GC/MS 11 Sequence Date: 08.08.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ VM	08.10.22
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	✓

Notes: SCV high for Acetone and MEK

Attach this sheet to raw data package.

VM

AUG 10 2022

YA 08/11/22
Supervisor Initials and Date

GC/MS QA-QC Check Report

Tune File : P:\Proc_GCMS11\08-08-22\080822.D
Tune Time : 08 Aug 2022 04:18 pm

Daily Calibration File : P:\Proc_GCMS11\08-08-22\080835.D

		(DMF)	(DHL)	(TOL)	(BFB)	72235	55909	32282
File	Sample	Surrogate Recovery %				Internal Standard Responses		
080827.D	0.02 ppb 8	100	94	98	100	71976	57010	32180
080828.D	0.04 ppb 8	101	104	100	102	71599	55511	32294
080829.D	0.1 ppb 82	100	98	100	99	70256	55302	32633
080830.D	0.2 ppb 82	101	98	100	101	71982	56014	31937
080831.D	0.5 ppb 82	100	102	99	103	70227	55215	31503
080832.D	1 ppb 8260	101	103	103	96	68781	53981	31879
080833.D	2 ppb 8260	102	97	101	103	69482	54121	31221
080834.D	5 ppb 8260	102	100	102	98	69904	54991	31424
080835.D	10 ppb 826	100	102	100	100	72235	55909	32282
080836.D	20 ppb 826	99	101	102	100	70922	54822	32142
080837.D	50 ppb 826	100	98	96	96	67522	50873	29994
080838.D	100 ppb 82	93	96	101	102	68481	51301	29370
080839.D	150 ppb 82	101	101	99	100	68433	52899	30028
080840.D	200 ppb 82	99	105	100	101	69478	52550	30248
080841.D	rinse	103	98	96	103	69376	50592	28399
080842.D	10 ppb 826	104	101	97	100	68215	50991	29019

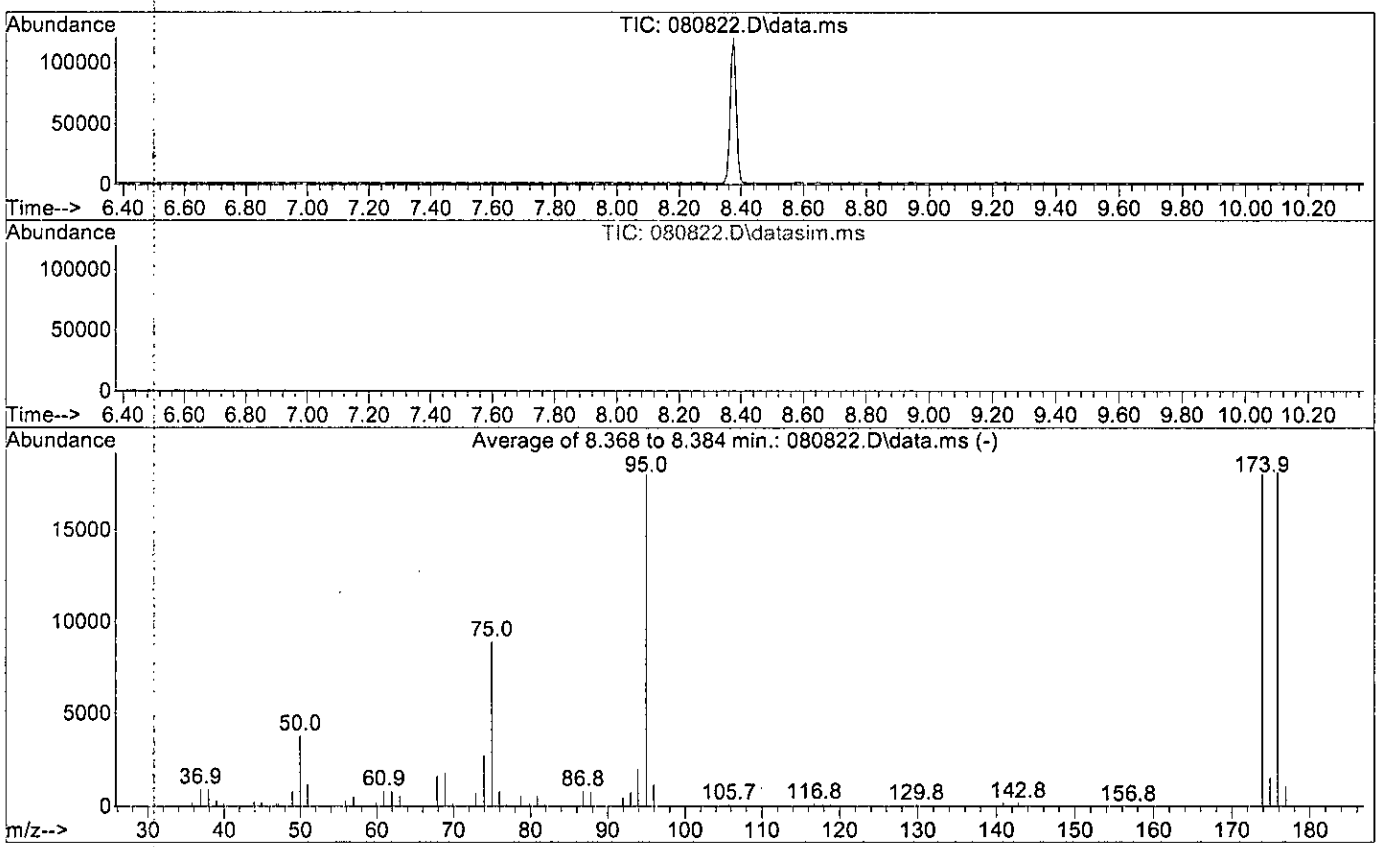
(fails) - fails 12hr time check * - fails criteria

Created: Wed Aug 10 14:32:43 2022 GCMS11

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080822.D
Acq On : 08 Aug 2022 04:18 pm
Operator : RF
Sample : 50 ng BFB 66-171A
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : P:\METHODS\Inst11\VB080822ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Mon Aug 08 08:52:55 2022



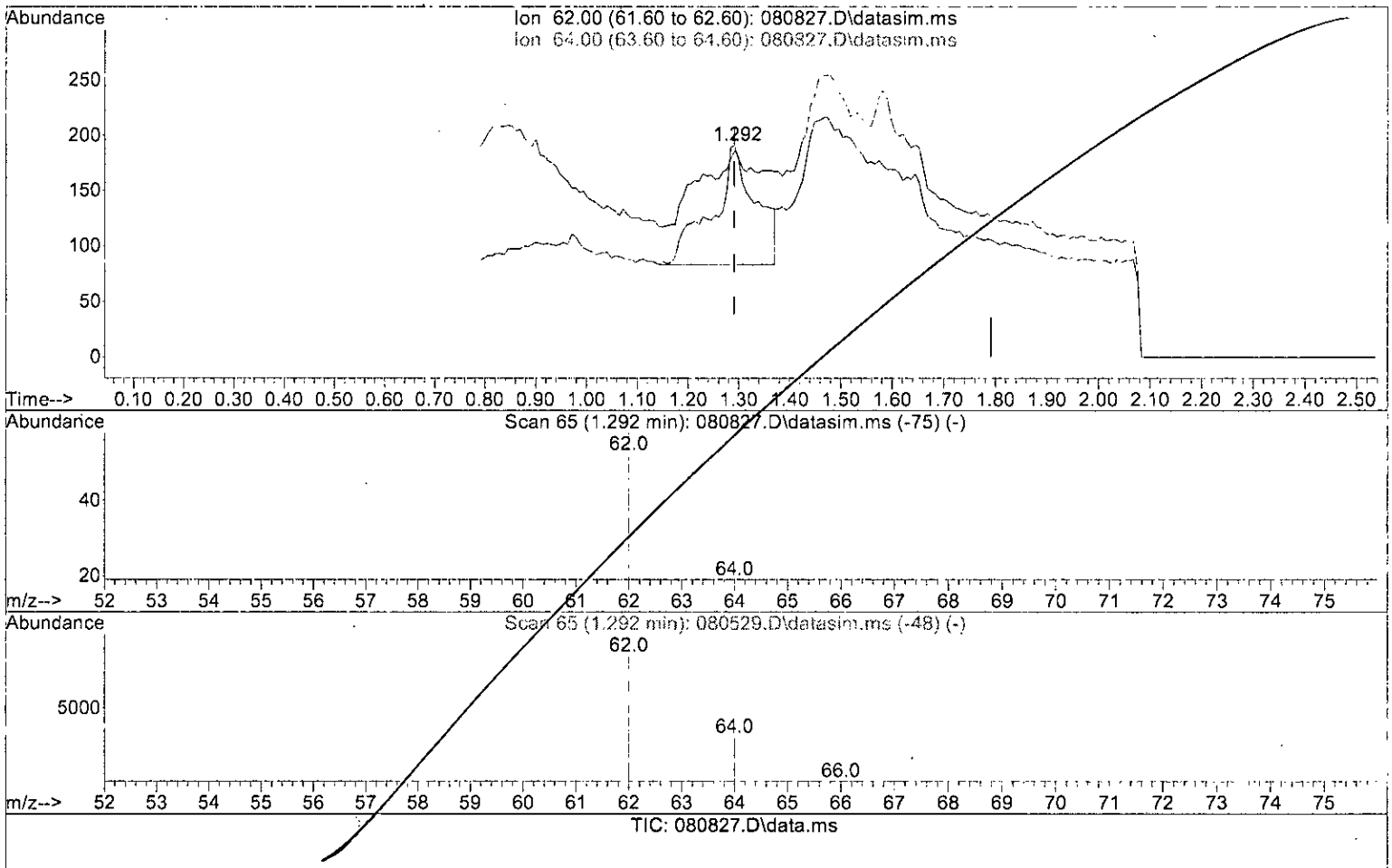
AutoFind: Scans 885, 886, 887; Background Corrected with Scan 879

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	99.6	18221	PASS
96	95	5	9	6.5	1178	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	100.4	18290	PASS
175	174	5	9	8.4	1544	PASS
176	174	95	105	99.4	18188	PASS
177	176	5	10	6.1	1101	PASS

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:02:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080827.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.112 ppb

response 642

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	63.89#
0.00	0.00	0.00
0.00	0.00	0.00

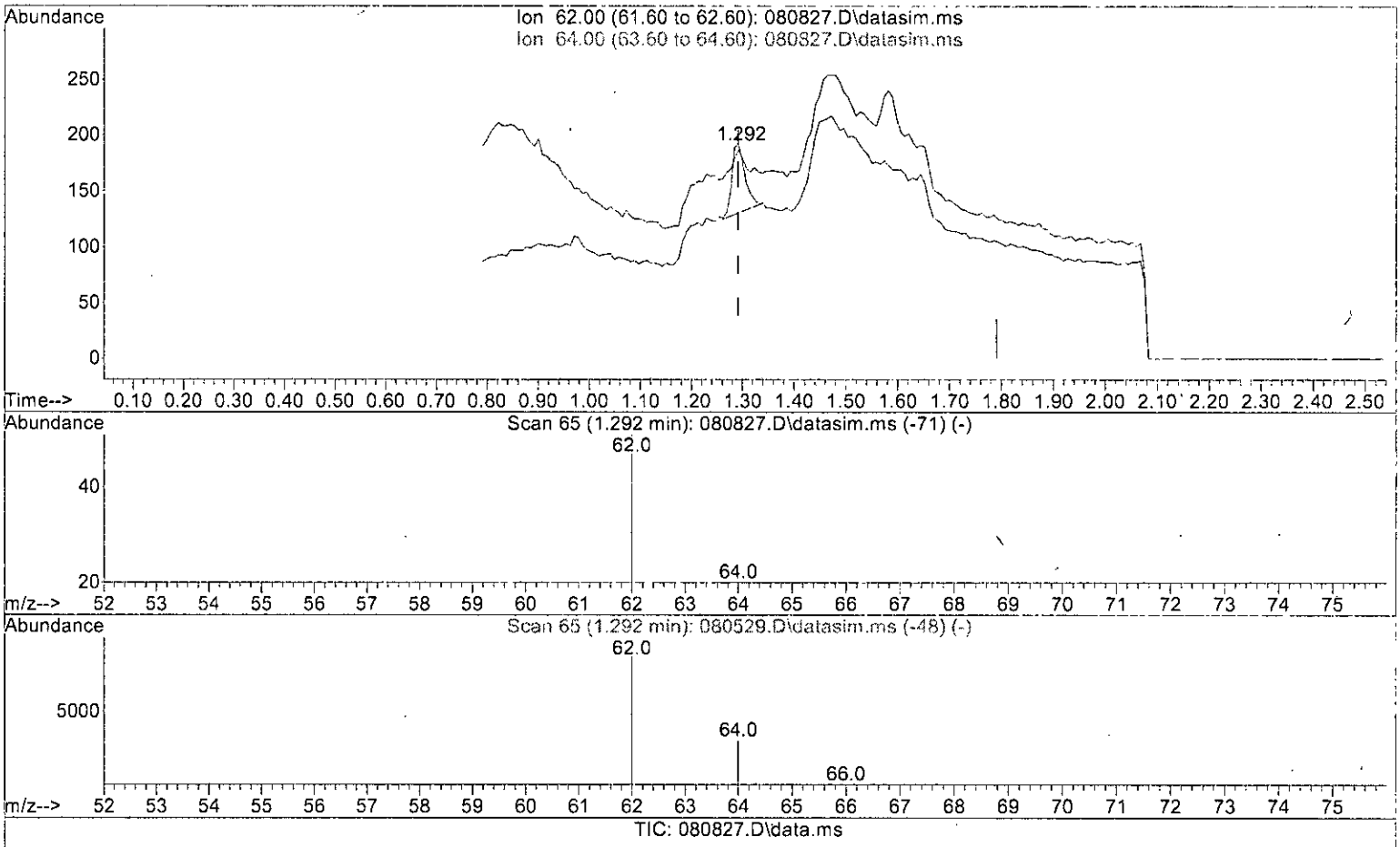
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080827.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.020 ppb m

response 115

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	97.38#
0.00	0.00	0.00
0.00	0.00	0.00

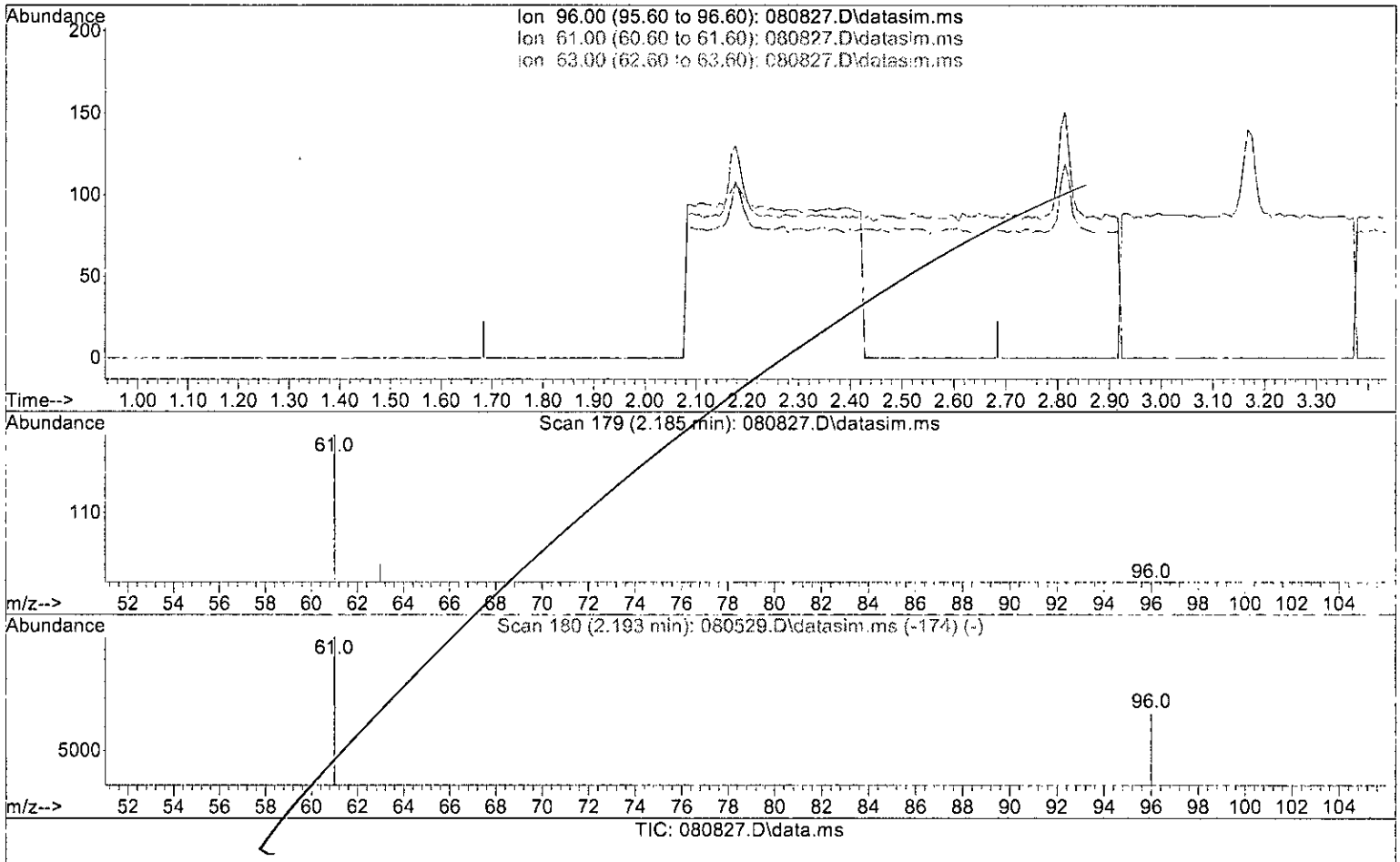
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:02:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



(12) 1,1-Dichloroethene (TMP)

2.185min (-2.185) 0.000 ppb

response 0

Ion	Exp%	Act%
96.00	100.00	0.00
61.00	160.40	0.00#
63.00	53.80	0.00#
0.00	0.00	0.00

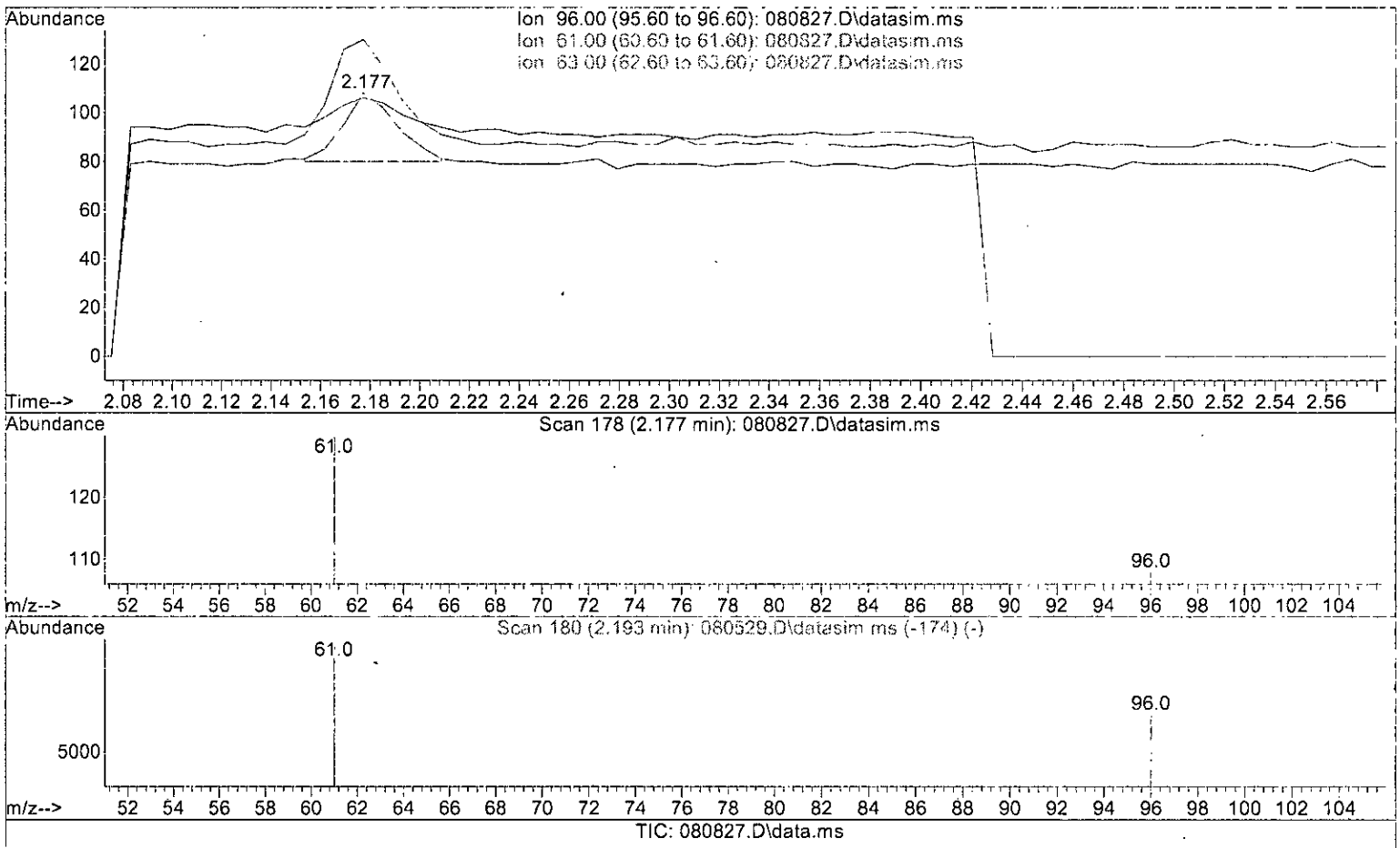
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:02:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080827.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.177min (-0.008) 0.021 ppb m

response 42

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	120.37#
63.00	53.80	98.15#
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	71976	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	57010	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32180	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19624	9.957	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.60%			
30) 1,2-Dichloroethane-d4	4.35	102	3993	9.357	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 93.60%			
35) Toluene-d8	5.97	98	67823	9.798	ppb	-0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 98.00%			
57) 4-Bromofluorobenzene	8.38	95	26675	10.032	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.30%			
Target Compounds						Qvalue
2) Ethanol	1.88	45	52	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.21	50	259	N.D.		
6] Vinyl chloride	1.29	62	115m	0.020	ppb	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	1.79	101	137	N.D.		
10) 2-Propanol	2.38	45	62	No Calib		
11) Acetone	2.25	58	337	N.D.		
12] 1,1-Dichloroethene	2.18	96	42m	0.021	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.83	73	120	0.022	ppb	94
17] trans-1,2-Dichloroethene	2.81	96	69	0.020	ppb	91
18) Diisopropyl ether (DIPE)	3.24	45	231	N.D.		
19] 1,1-Dichloroethane	3.17	63	90	0.023	ppb	98
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.64	77	227	Below Cal		48
22] cis-1,2-Dichloroethene	3.66	96	64	0.020	ppb	85
23) Chloroform	3.93	83	191	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	4.49	73	64	N.D.		
26] 1,2-Dichloroethane (EDC)	4.41	62	127	0.020	ppb	95
27] 1,1,1-Trichloroethane	4.07	97	68	0.021	ppb	91

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	0.00		0	N.D.			
29)	Carbon tetrachloride	0.00		0	N.D.			
31]	Benzene	4.38	78	206	0.020	ppb		96
32]	Trichloroethene	4.92	95	66	0.019	ppb		85
33)	1,2-Dichloropropane	5.21	63	57	N.D.			
34)	Bromodichloromethane	0.00		0	N.D.			
36)	Dibromomethane	0.00		0	N.D.			
37)	4-Methyl-2-pentanone	0.00		0	N.D.			
38)	cis-1,3-Dichloropropene	0.00		0	N.D.			
40)	Toluene	0.00		0	N.D.	d		
41)	trans-1,3-Dichloropropene	0.00		0	N.D.			
42)	1,1,2-Trichloroethane	0.00		0	N.D.			
43)	2-Hexanone	6.64	43	328	0.241	ppb	#	38
44)	1,3-Dichloropropane	0.00		0	N.D.			
45]	Tetrachloroethene	6.51	164	86	0.012	ppb		91
46)	Dibromochloromethane	0.00		0	N.D.			
47)	1,2-Dibromoethane (EDB)	0.00		0	N.D.	d		
48)	Chlorobenzene	7.30	112	164	N.D.			
49]	Ethylbenzene	7.40	91	272	0.020	ppb		98
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51]	m,p-Xylene	7.52	106	224	0.040	ppb		95
52]	o-Xylene	7.88	106	109	0.020	ppb		95
53)	Styrene	7.90	104	238	N.D.			
54)	Isopropylbenzene	8.23	105	274	N.D.			
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	8.63	91	385	N.D.			
59)	Bromobenzene	0.00		0	N.D.			
60)	1,3,5-Trimethylbenzene	8.80	105	288	N.D.			
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62)	1,2,3-Trichloropropane	0.00		0	N.D.	d		
63)	2-Chlorotoluene	8.81	91	274	N.D.			
64)	4-Chlorotoluene	8.81	91	274	N.D.			
65)	tert-Butylbenzene	9.10	119	171	N.D.			
66)	1,2,4-Trimethylbenzene	9.16	105	334	N.D.			
67)	sec-Butylbenzene	9.32	105	337	N.D.			
68)	p-Isopropyltoluene	9.46	119	266	N.D.			
69)	1,3-Dichlorobenzene	9.51	146	122	N.D.			
70)	1,4-Dichlorobenzene	9.51	146	122	N.D.			
71)	1,2-Dichlorobenzene	9.86	146	111	N.D.			
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	11.44	180	117	N.D.			

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

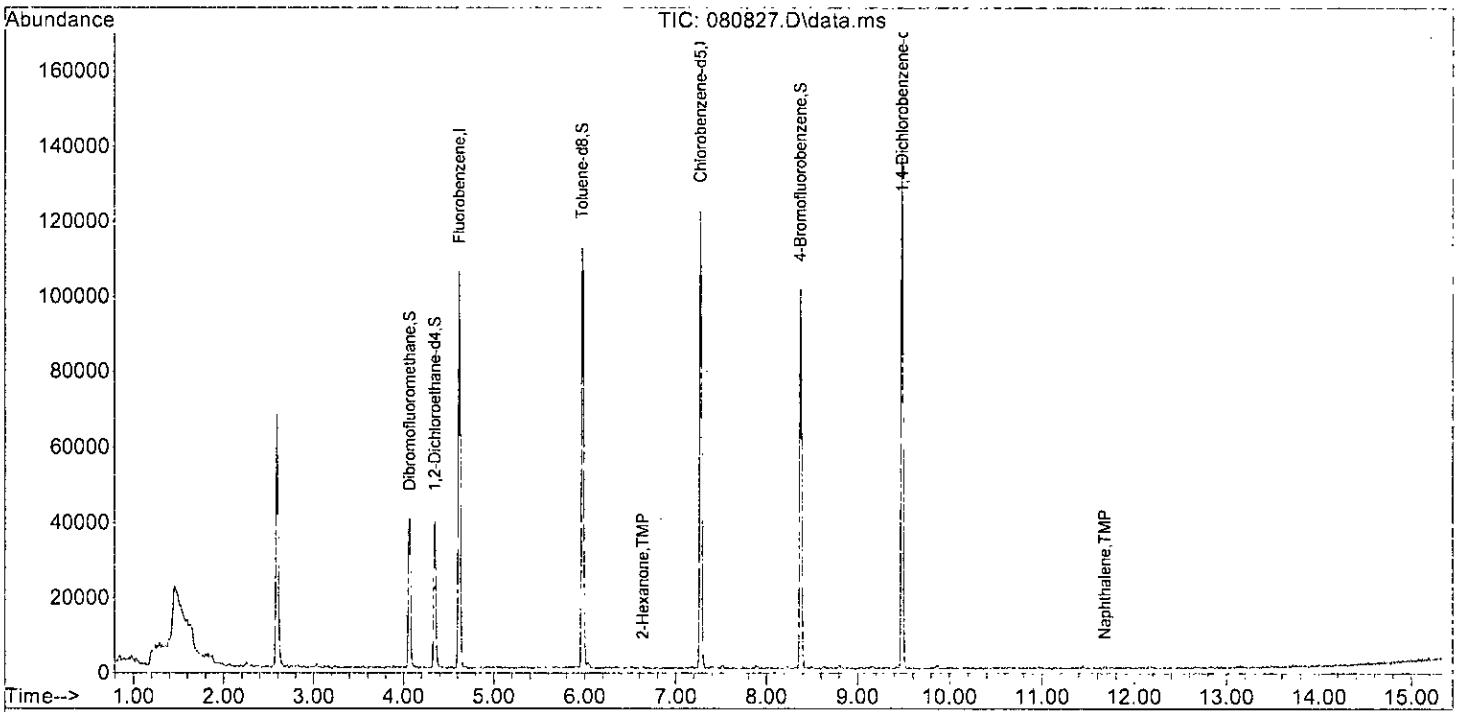
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	11.68	128	329	0.049	ppb	68
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

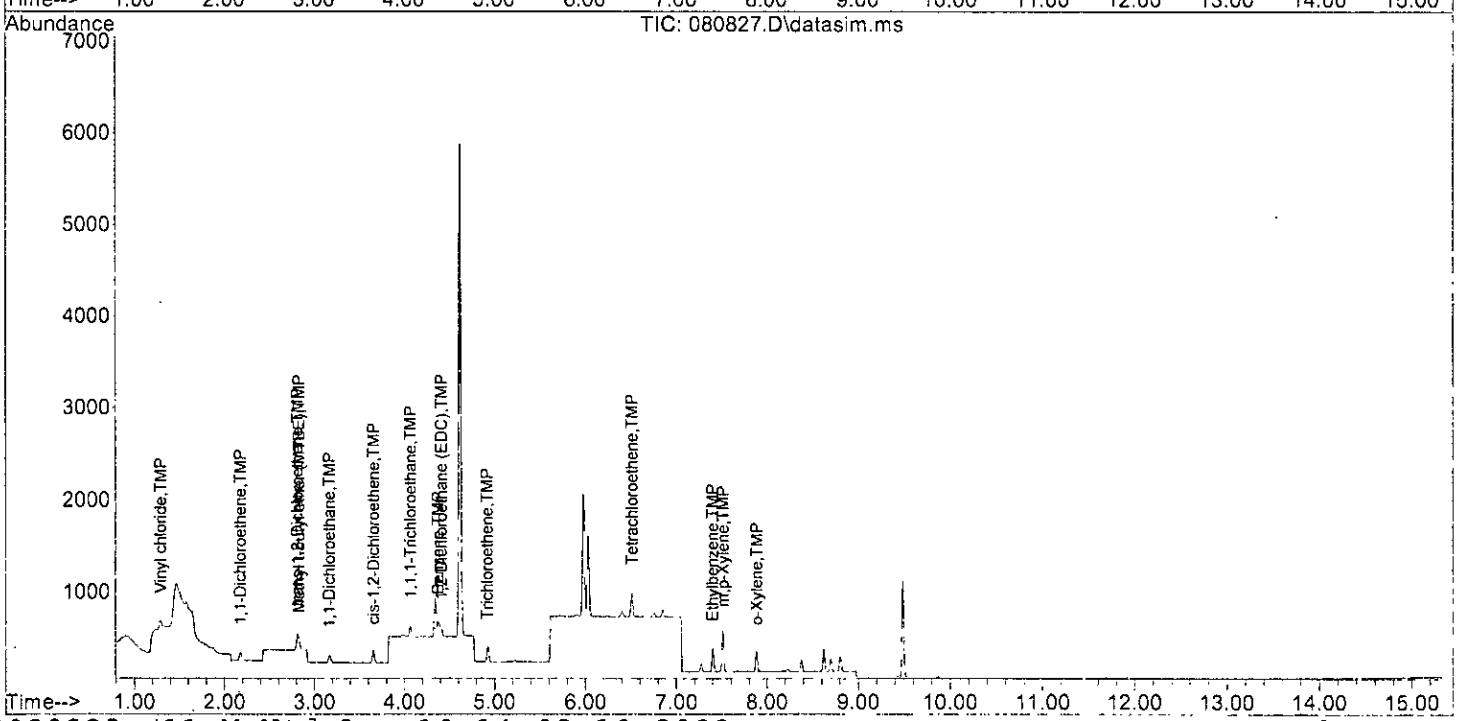
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.274	0.273	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.000#	100.0#	0#	-1.09#
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	0.00
6	TMP	Vinyl chloride	0.799	0.799	0.0	102	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	-1.52#
8	TMP	Chloroethane	0.404	0.000#	100.0#	0#	-1.58#
9	TMP	Trichlorofluoromethane	0.957	0.000#	100.0#	0#	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.000#	100.0#	0#	0.00
12	TMP	1,1-Dichloroethene	0.273	0.292	-7.0	91	0.00
13	TMP	Hexane	0.415	0.000#	100.0#	0#	-3.04#
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.834	-10.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.479	-52.1#	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.000#	100.0#	0#	0.00
19	TMP	1,1-Dichloroethane	0.541	0.625	-15.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.000#	100.0#	0#	-3.54#
21	TMP	2,2-Dichloropropane	0.319	0.000#	100.0#	0#	-0.02
22	TMP	cis-1,2-Dichloroethene	0.325	0.445	-36.9#	100	0.00
23	TMP	Chloroform	0.491	0.000#	100.0#	0#	0.00
24	TMP	2-Butanone (MEK)	0.131	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.000#	100.0#	0#	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.882	-93.0#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.472	-4.9	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.000#	100.0#	0#	-4.21#
29	TMP	Carbon tetrachloride	0.390	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.059	0.055	6.8	100	0.00
31	TMP	Benzene	1.115	1.431	-28.3#	100	0.00
32	TMP	Trichloroethene	0.327	0.458	-40.1#	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.000#	100.0#	0#	0.08
34	TMP	Bromodichloromethane	0.349	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	0.962	0.942	2.1	100	-0.01
36	TMP	Dibromomethane	0.166	0.000#	100.0#	0#	-5.23#
37	TMP	4-Methyl-2-pentanone	0.041	0.000#	100.0#	0#	-5.91#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	9.957	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5	TMP	Chloromethane	-1.000	0.042	0.0	0	0.00
6	TMP	Vinyl chloride	0.020	0.020	0.0	102	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.58#
9	TMP	Trichlorofluoromethane	-1.000	0.020	0.0	0	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	-1.000	0.601	0.0	0	0.00
12	TMP	1,1-Dichloroethene	0.020	0.021	-5.0	91	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.04#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.020	0.022	-10.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.020	0.020	0.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.034	0.0	0	0.00
19	TMP	1,1-Dichloroethane	0.020	0.023	-15.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21	TMP	2,2-Dichloropropane	-1.000	-1.000	0.0	0	-0.02
22	TMP	cis-1,2-Dichloroethene	0.020	0.020	0.0	100	0.00
23	TMP	Chloroform	-1.000	0.054	0.0	0	0.00
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.012	0.0	0	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.020	0.020	0.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.020	0.021	-5.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.21#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	9.357	6.4	100	0.00
31	TMP	Benzene	0.020	0.020	0.0	100	0.00
32	TMP	Trichloroethene	0.020	0.019	5.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.028	0.0	0	0.08
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35	S	Toluene-d8	10.000	9.798	2.0	100	-0.01
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	-1.000	0.000	0.0	0	-6.03#
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.40#
43	TMP	2-Hexanone	-1.000	0.241	0.0	0	0.00
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.020	0.012	40.0#	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	-1.000	0.000	0.0	0	-6.85#
48	TMP	Chlorobenzene	-1.000	0.029	0.0	0	0.00
49	TMP	Ethylbenzene	0.020	0.020	0.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.040	0.040	0.0	100	0.00
52	TMP	o-Xylene	0.020	0.020	0.0	100	0.00
53	TMP	Styrene	-1.000	0.042	0.0	0	0.00
54	TMP	Isopropylbenzene	-1.000	0.030	0.0	0	0.00
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.032	-0.3	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.038	0.0	0	0.00
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.52#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.038	0.0	0	0.00
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.54#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.57#
63	TMP	2-Chlorotoluene	-1.000	0.045	0.0	0	0.10
64	TMP	4-Chlorotoluene	-1.000	0.039	0.0	0	0.00
65	TMP	tert-Butylbenzene	-1.000	0.025	0.0	0	0.00
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.043	0.0	0	0.00
67	TMP	sec-Butylbenzene	-1.000	0.034	0.0	0	0.00
68	TMP	p-Isopropyltoluene	-1.000	0.031	0.0	0	0.00
69	TMP	1,3-Dichlorobenzene	-1.000	0.026	0.0	0	0.09
70	TMP	1,4-Dichlorobenzene	-1.000	0.026	0.0	0	0.00
71	TMP	1,2-Dichlorobenzene	-1.000	0.024	0.0	0	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	-1.000	0.033	0.0	0	0.00
74 TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP	Naphthalene	-1.000	0.049	0.0	0	0.00
76 TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.000#	100.0#	0#	-6.03#
41	TMP	trans-1,3-Dichloropropene	0.462	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.250	0.000#	100.0#	0#	-6.40#
43	TMP	2-Hexanone	0.239	0.000#	100.0#	0#	0.00
44	TMP	1,3-Dichloropropane	0.444	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.421	0.754	-79.1#	100	0.00
46	TMP	Dibromochloromethane	0.337	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.000#	100.0#	0#	-6.85#
48	TMP	Chlorobenzene	0.977	0.000#	100.0#	0#	0.00
49	TMP	Ethylbenzene	1.708	2.386	-39.7#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.670	0.982	-46.6#	100	0.00
52	TMP	o-Xylene	0.661	0.956	-44.6#	100	0.00
53	TMP	Styrene	0.990	0.000#	100.0#	0#	0.00
54	TMP	Isopropylbenzene	1.609	0.000#	100.0#	0#	0.00
55	TMP	Bromoform	0.228	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.829	-0.4	100	0.00
58	TMP	n-Propylbenzene	3.181	0.000#	100.0#	0#	0.00
59	TMP	Bromobenzene	0.791	0.000#	100.0#	0#	-8.52#
60	TMP	1,3,5-Trimethylbenzene	2.358	0.000#	100.0#	0#	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.000#	100.0#	0#	-8.54#
62	TMP	1,2,3-Trichloropropane	0.455	0.000#	100.0#	0#	-8.57#
63	TMP	2-Chlorotoluene	1.884	0.000#	100.0#	0#	0.10
64	TMP	4-Chlorotoluene	2.179	0.000#	100.0#	0#	0.00
65	TMP	tert-Butylbenzene	2.106	0.000#	100.0#	0#	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	0.000#	100.0#	0#	0.00
67	TMP	sec-Butylbenzene	3.077	0.000#	100.0#	0#	0.00
68	TMP	p-Isopropyltoluene	2.660	0.000#	100.0#	0#	0.00
69	TMP	1,3-Dichlorobenzene	1.487	0.000#	100.0#	0#	0.09
70	TMP	1,4-Dichlorobenzene	1.449	0.000#	100.0#	0#	0.00
71	TMP	1,2-Dichlorobenzene	1.454	0.000#	100.0#	0#	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.000#	100.0#	0#	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

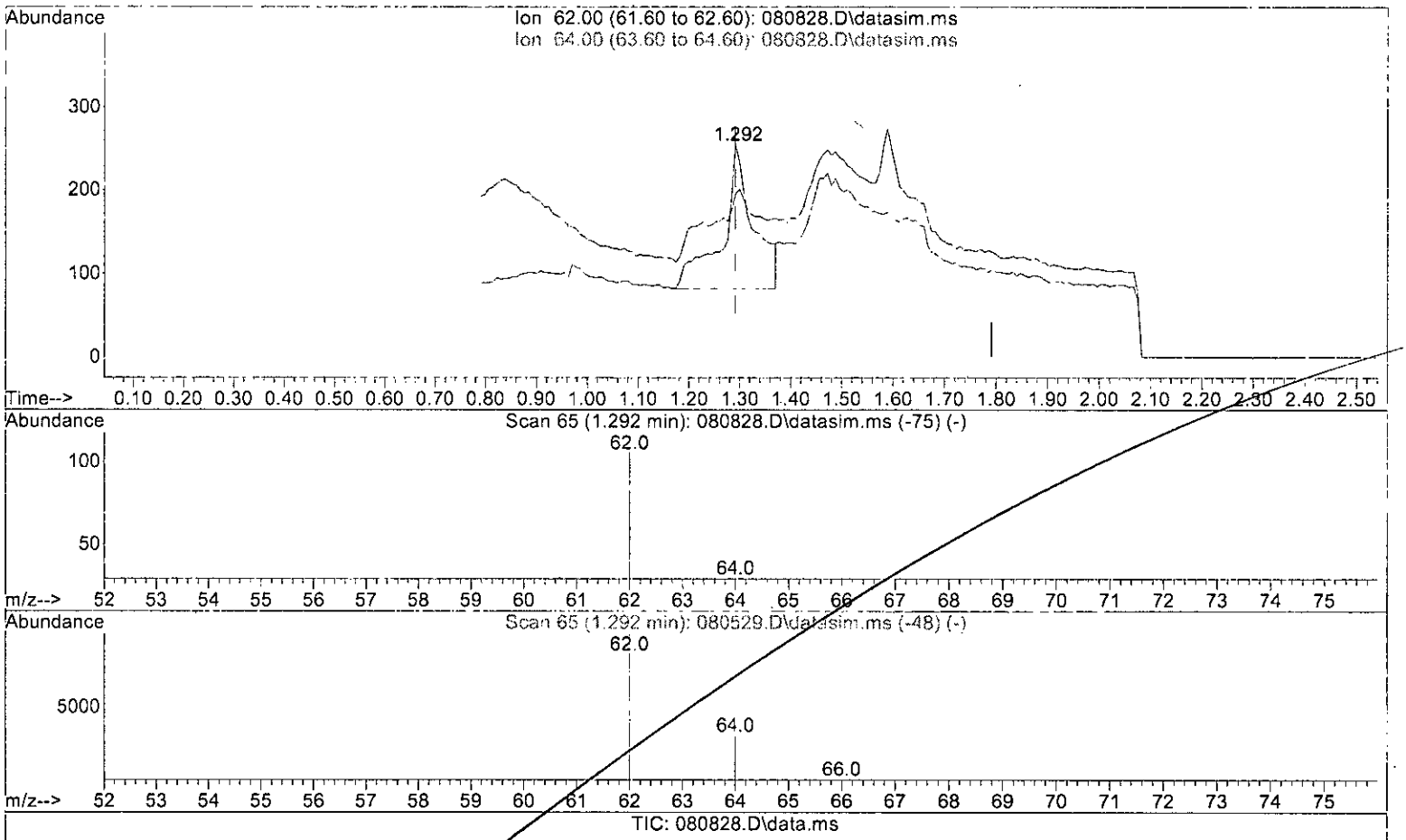
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	0.000#	100.0#	0#	0.00
74 TMP	Hexachlorobutadiene	0.607	0.000#	100.0#	0#	-11.61#
75 TMP	Naphthalene	2.108	0.000#	100.0#	0#	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.000#	100.0#	0#	-11.92#

(#) = Out of Range SPCC's out = 54 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:09:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080828.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.129 ppb

response 738

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	44.77
0.00	0.00	0.00
0.00	0.00	0.00

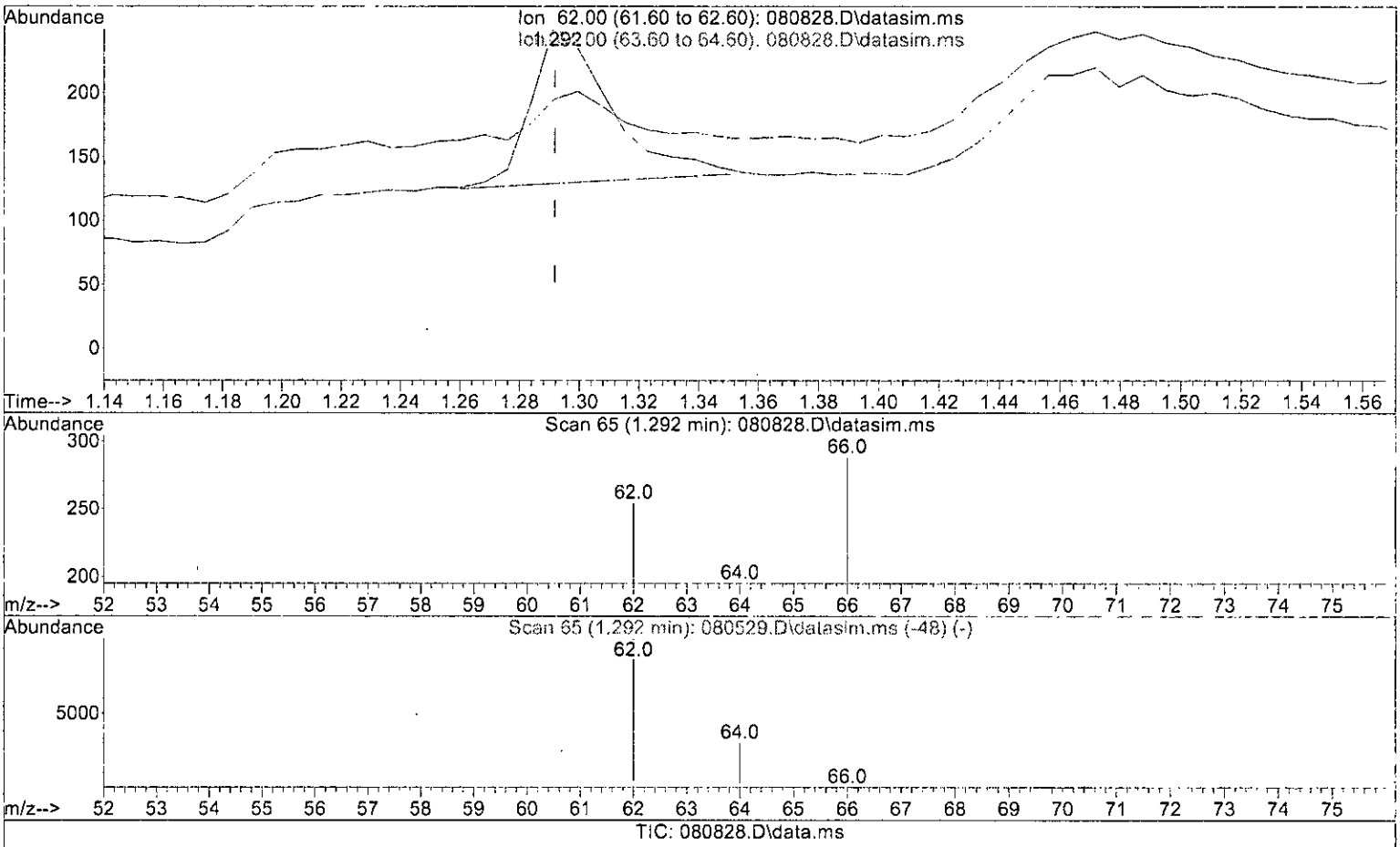
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:09:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.040 ppb m

response 227

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	76.77#
0.00	0.00	0.00
0.00	0.00	0.00

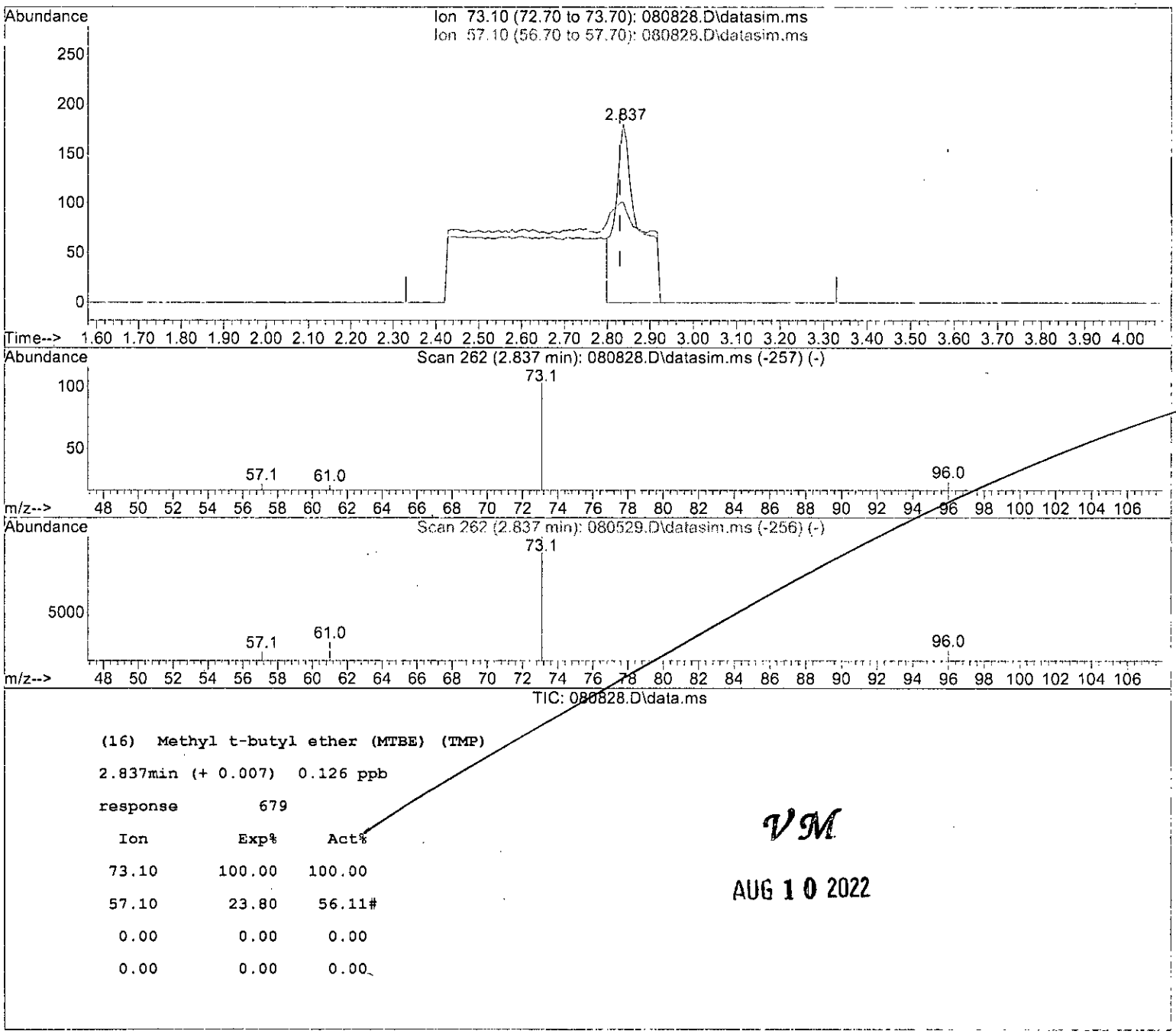
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:09:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080828.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.007) 0.126 ppb

response 679

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	56.11#
0.00	0.00	0.00
0.00	0.00	0.00

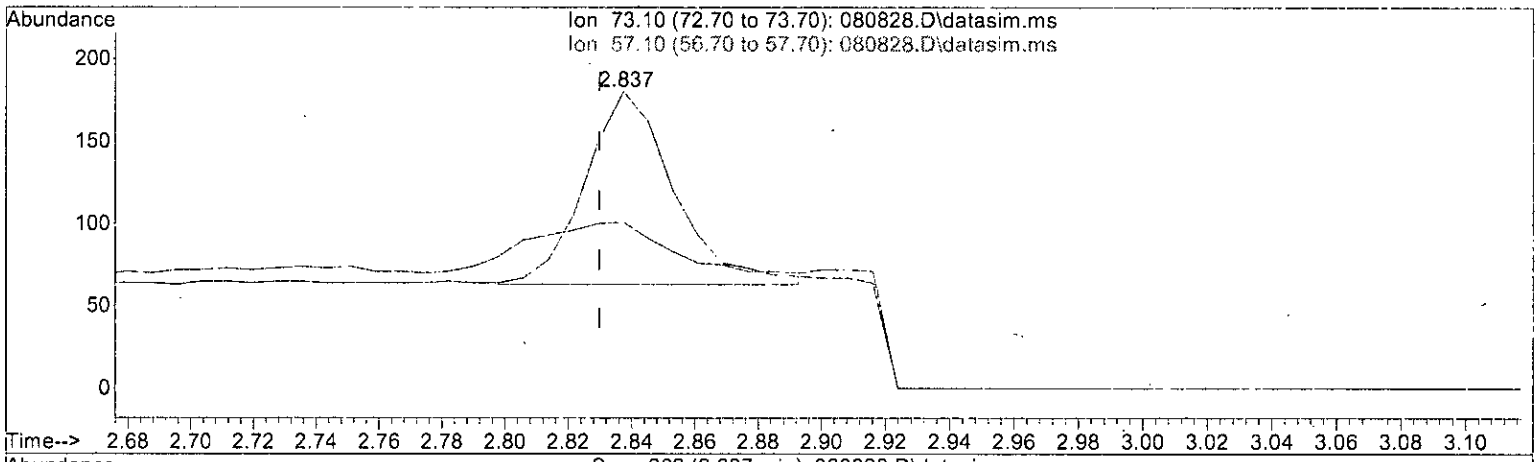
VM

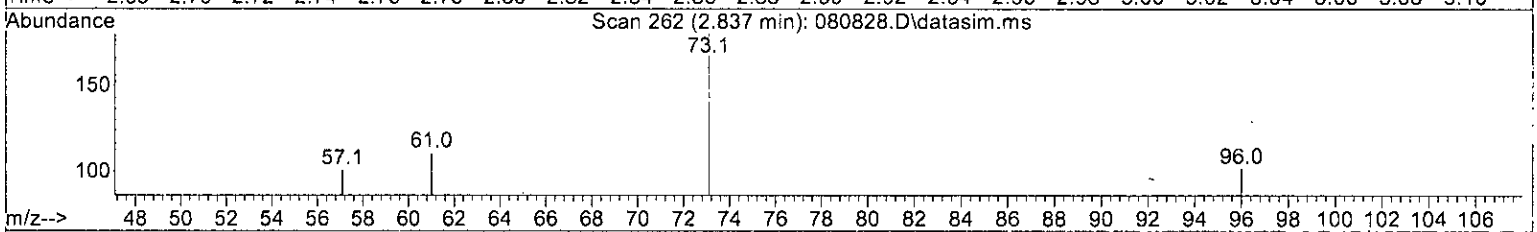
AUG 10 2022

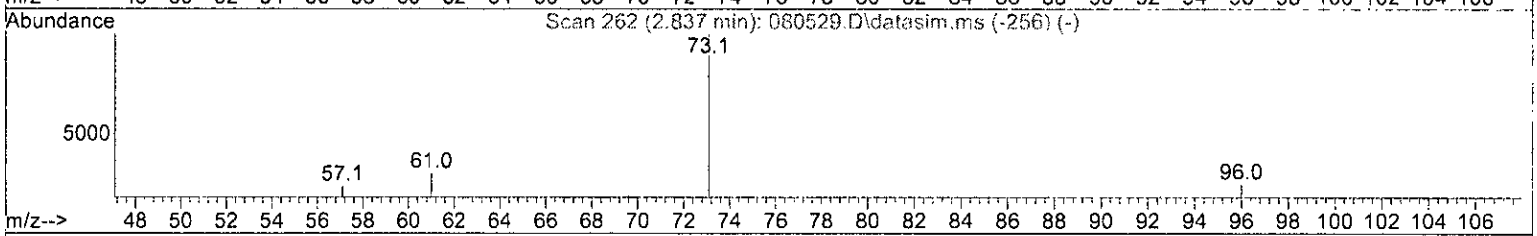
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:09:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080828.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.007) 0.042 ppb m

response 229

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	56.11#
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	71599	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	55511	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32294	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	19827	10.113 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.10%		
30) 1,2-Dichloroethane-d4	4.35	102	4428	10.431 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 104.30%		
35) Toluene-d8	5.98	98	68754	9.985 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 99.80%		
57) 4-Bromofluorobenzene	8.38	95	27190	10.190 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.90%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	1.09	85	184	N.D.	
5) Chloromethane	1.22	50	895	N.D.	
6] Vinyl chloride	1.29	62	227m	0.040 ppb	
7) Bromomethane	0.00		0	N.D.	
8) Chloroethane	0.00		0	N.D. d	
9) Trichlorofluoromethane	1.80	101	118	N.D.	
10) 2-Propanol	2.41	45	79	No Calib	
11) Acetone	2.27	58	318	N.D.	
12] 1,1-Dichloroethene	2.18	96	78	0.040 ppb	89
13) Hexane	0.00		0	N.D. d	
14) Methylene chloride	0.00		0	N.D. d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16] Methyl t-butyl ether (...	2.84	73	229m	0.042 ppb	
17] trans-1,2-Dichloroethene	2.82	96	107	0.039 ppb	91
18) Diisopropyl ether (DIPE)	3.24	45	314	N.D.	
19] 1,1-Dichloroethane	3.17	63	165	0.043 ppb	95
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	3.65	77	237	Below Cal	48
22] cis-1,2-Dichloroethene	3.66	96	107	0.040 ppb	93
23) Chloroform	3.94	83	297	N.D.	
24) 2-Butanone (MEK)	0.00		0	N.D. d	
25) t-Amyl methyl ether (T...	4.49	73	212	N.D.	
26] 1,2-Dichloroethane (EDC)	4.41	62	181	0.040 ppb	97
27] 1,1,1-Trichloroethane	4.08	97	134	0.042 ppb	95

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
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Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	4.22	75	120	N.D.			
29)	Carbon tetrachloride	4.22	117	70	N.D.			
31]	Benzene	4.39	78	371	0.041	ppb		97
32]	Trichloroethene	4.93	95	115	0.042	ppb		90
33)	1,2-Dichloropropane	5.14	63	153	N.D.			
34)	Bromodichloromethane	5.36	83	61	N.D.			
36)	Dibromomethane	0.00		0	N.D.			
37)	4-Methyl-2-pentanone	0.00		0	N.D.			
38)	cis-1,3-Dichloropropene	5.75	75	180	N.D.			
40]	Toluene	6.03	92	513	0.041	ppb		99
41)	trans-1,3-Dichloropropene	6.25	75	96	N.D.			
42)	1,1,2-Trichloroethane	6.40	83	67	N.D.			
43)	2-Hexanone	0.00		0	N.D.	d		
44)	1,3-Dichloropropane	0.00		0	N.D.			
45]	Tetrachloroethene	6.51	164	145	0.044	ppb		96
46)	Dibromochloromethane	0.00		0	N.D.			
47]	1,2-Dibromoethane (EDB)	6.85	107	87	0.050	ppb		97
48)	Chlorobenzene	7.30	112	370	N.D.			
49]	Ethylbenzene	7.40	91	453	0.041	ppb		100
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51]	m,p-Xylene	7.52	106	365	0.082	ppb		97
52]	o-Xylene	7.88	106	174	0.040	ppb		99
53)	Styrene	7.90	104	309	N.D.			
54)	Isopropylbenzene	8.23	105	505	N.D.			
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	8.63	91	825	N.D.			
59)	Bromobenzene	8.52	156	61	N.D.			
60)	1,3,5-Trimethylbenzene	8.80	105	359	N.D.			
61)	1,1,2,2-Tetrachloroethane	8.53	83	79	N.D.			
62)	1,2,3-Trichloropropane	8.58	75	59	N.D.			
63)	2-Chlorotoluene	8.70	91	445	N.D.			
64)	4-Chlorotoluene	8.81	91	430	N.D.			
65)	tert-Butylbenzene	9.11	119	296	N.D.			
66)	1,2,4-Trimethylbenzene	9.15	105	629	N.D.			
67)	sec-Butylbenzene	9.32	105	453	N.D.			
68)	p-Isopropyltoluene	9.46	119	458	N.D.			
69)	1,3-Dichlorobenzene	9.51	146	322	N.D.			
70)	1,4-Dichlorobenzene	9.51	146	322	N.D.			
71)	1,2-Dichlorobenzene	9.87	146	264	N.D.			
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	11.44	180	238	N.D.			

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

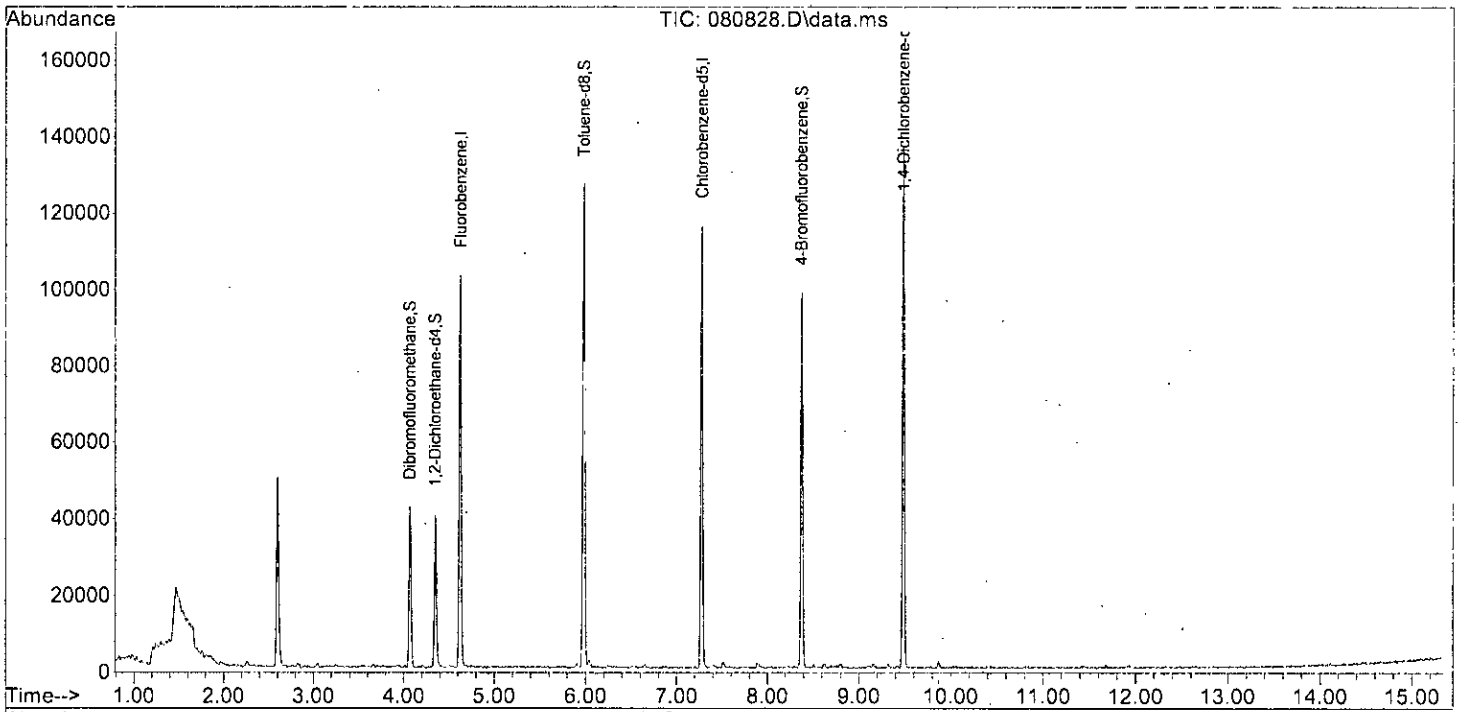
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	11.93	180	235	N.D.		

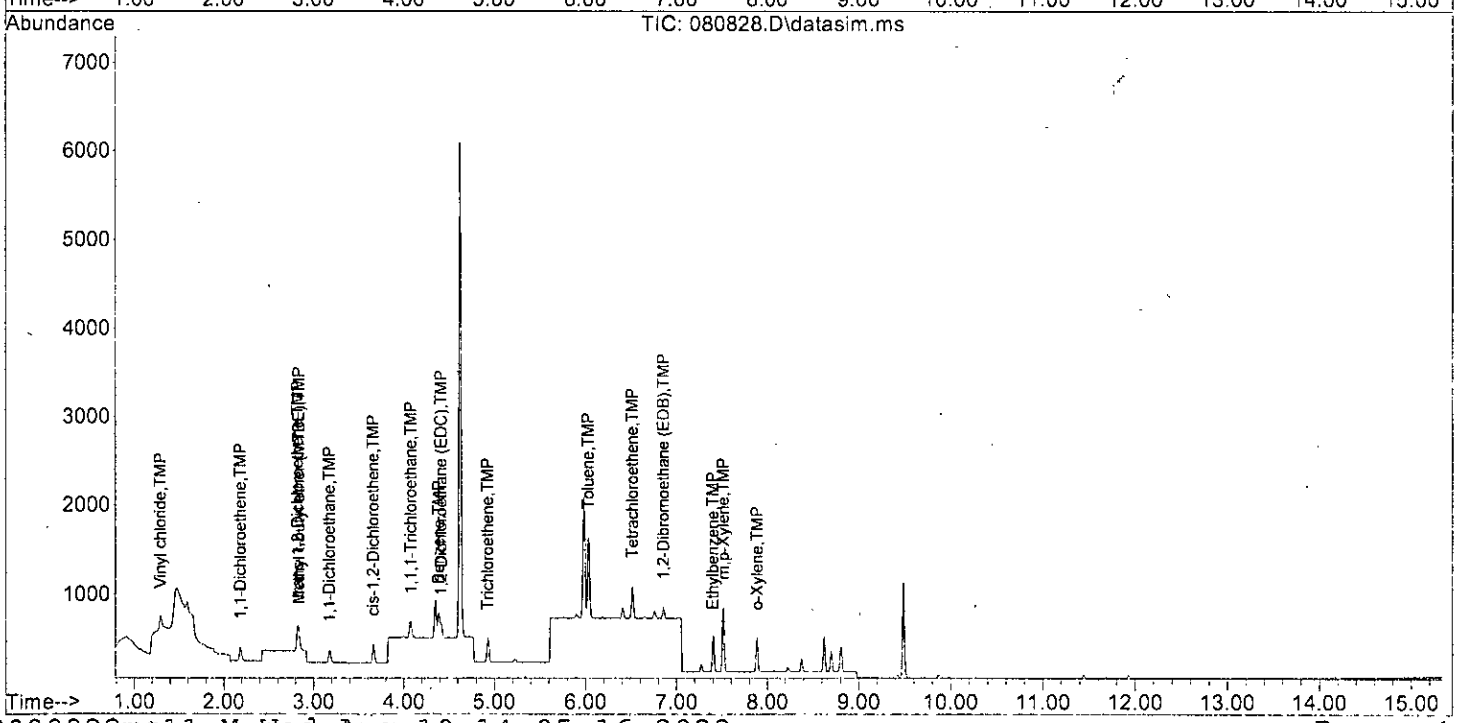
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
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Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
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DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.113	-1.1	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.031	0.0	0	0.00
5	TMP	Chloromethane	-1.000	0.144	0.0	0	0.00
6	TMP	Vinyl chloride	0.040	0.040	0.0	127	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.58#
9	TMP	Trichlorofluoromethane	-1.000	0.017	0.0	0	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	-1.000	0.502	0.0	0	0.02
12	TMP	1,1-Dichloroethene	0.040	0.040	0.0	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.04#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.040	0.042	-5.0	106	0.00
17	TMP	trans-1,2-Dichloroethene	0.040	0.039	2.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.047	0.0	0	0.00
19	TMP	1,1-Dichloroethane	0.040	0.043	-7.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21	TMP	2,2-Dichloropropane	-1.000	-1.000	0.0	0	0.00
22	TMP	cis-1,2-Dichloroethene	0.040	0.040	0.0	100	0.00
23	TMP	Chloroform	-1.000	0.084	0.0	0	0.00
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.041	0.0	0	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.040	0.040	0.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.040	0.042	-5.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.045	0.0	0	0.00
29	TMP	Carbon tetrachloride	-1.000	0.025	0.0	0	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.431	-4.3	100	0.00
31	TMP	Benzene	0.040	0.041	-2.5	100	0.00
32	TMP	Trichloroethene	0.040	0.042	-5.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.074	0.0	0	0.00
34	TMP	Bromodichloromethane	-1.000	0.024	0.0	0	0.00
35	S	Toluene-d8	10.000	9.985	0.2	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	-1.000	0.064	0.0	0	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.040	0.041	-2.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.037	0.0	0	0.00
42	TMP	1,1,2-Trichloroethane	-1.000	0.048	0.0	0	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.040	0.044	-10.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.040	0.050	-25.0#	100	0.00
48	TMP	Chlorobenzene	-1.000	0.068	0.0	0	0.00
49	TMP	Ethylbenzene	0.040	0.041	-2.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.080	0.082	-2.5	100	0.00
52	TMP	o-Xylene	0.040	0.040	0.0	100	0.00
53	TMP	Styrene	-1.000	0.056	0.0	0	0.00
54	TMP	Isopropylbenzene	-1.000	0.057	0.0	0	0.00
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.190	-1.9	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.080	0.0	0	0.00
59	TMP	Bromobenzene	-1.000	0.024	0.0	0	0.00
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.047	0.0	0	0.00
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.038	0.0	0	0.00
62	TMP	1,2,3-Trichloropropane	-1.000	0.040	0.0	0	0.00
63	TMP	2-Chlorotoluene	-1.000	0.073	0.0	0	0.00
64	TMP	4-Chlorotoluene	-1.000	0.061	0.0	0	0.00
65	TMP	tert-Butylbenzene	-1.000	0.044	0.0	0	0.00
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.080	0.0	0	0.00
67	TMP	sec-Butylbenzene	-1.000	0.046	0.0	0	0.00
68	TMP	p-Isopropyltoluene	-1.000	0.053	0.0	0	0.00
69	TMP	1,3-Dichlorobenzene	-1.000	0.067	0.0	0	0.09
70	TMP	1,4-Dichlorobenzene	-1.000	0.069	0.0	0	0.00
71	TMP	1,2-Dichlorobenzene	-1.000	0.056	0.0	0	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	-1.000	0.067	0.0	0	0.00
74 TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP	Naphthalene	-1.000	0.000	0.0	0	-11.69#
76 TMP	1,2,3-Trichlorobenzene	-1.000	0.074	0.0	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
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QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.277	-1.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.000#	100.0#	0#	0.00
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	0.00
6	TMP	Vinyl chloride	0.799	0.793	0.8	127	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	-1.52#
8	TMP	Chloroethane	0.404	0.000#	100.0#	0#	-1.58#
9	TMP	Trichlorofluoromethane	0.957	0.000#	100.0#	0#	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.025	0.000#	100.0#	0#	0.02
12	TMP	1,1-Dichloroethene	0.273	0.272	0.4	100	0.00
13	TMP	Hexane	0.415	0.000#	100.0#	0#	-3.04#
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.800	-6.2	106	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.374	-18.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.000#	100.0#	0#	0.00
19	TMP	1,1-Dichloroethane	0.541	0.576	-6.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.000#	100.0#	0#	-3.54#
21	TMP	2,2-Dichloropropane	0.319	0.000#	100.0#	0#	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.374	-15.1	100	0.00
23	TMP	Chloroform	0.491	0.000#	100.0#	0#	0.00
24	TMP	2-Butanone (MEK)	0.131	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.000#	100.0#	0#	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.632	-38.3#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.468	-4.0	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.000#	100.0#	0#	0.00
29	TMP	Carbon tetrachloride	0.390	0.000#	100.0#	0#	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.062	-5.1	100	0.00
31	TMP	Benzene	1.115	1.295	-16.1	100	0.00
32	TMP	Trichloroethene	0.327	0.402	-22.9#	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.000#	100.0#	0#	0.00
34	TMP	Bromodichloromethane	0.349	0.000#	100.0#	0#	0.00
35	S	Toluene-d8	0.962	0.960	0.2	100	0.00
36	TMP	Dibromomethane	0.166	0.000#	100.0#	0#	-5.23#
37	TMP	4-Methyl-2-pentanone	0.041	0.000#	100.0#	0#	-5.91#

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.000#	100.0#	0#	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	2.310	-120.8#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.000#	100.0#	0#	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.000#	100.0#	0#	0.00
43	TMP	2-Hexanone	0.239	0.000#	100.0#	0#	-6.64#
44	TMP	1,3-Dichloropropane	0.444	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.421	0.653	-55.1#	100	0.00
46	TMP	Dibromochloromethane	0.337	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.392	-24.8#	100	0.00
48	TMP	Chlorobenzene	0.977	0.000#	100.0#	0#	0.00
49	TMP	Ethylbenzene	1.708	2.040	-19.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.670	0.822	-22.7#	100	0.00
52	TMP	o-Xylene	0.661	0.784	-18.6	100	0.00
53	TMP	Styrene	0.990	0.000#	100.0#	0#	0.00
54	TMP	Isopropylbenzene	1.609	0.000#	100.0#	0#	0.00
55	TMP	Bromoform	0.228	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.842	-1.9	100	0.00
58	TMP	n-Propylbenzene	3.181	0.000#	100.0#	0#	0.00
59	TMP	Bromobenzene	0.791	0.000#	100.0#	0#	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	0.000#	100.0#	0#	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.000#	100.0#	0#	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.000#	100.0#	0#	0.00
63	TMP	2-Chlorotoluene	1.884	0.000#	100.0#	0#	0.00
64	TMP	4-Chlorotoluene	2.179	0.000#	100.0#	0#	0.00
65	TMP	tert-Butylbenzene	2.106	0.000#	100.0#	0#	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	0.000#	100.0#	0#	0.00
67	TMP	sec-Butylbenzene	3.077	0.000#	100.0#	0#	0.00
68	TMP	p-Isopropyltoluene	2.660	0.000#	100.0#	0#	0.00
69	TMP	1,3-Dichlorobenzene	1.487	0.000#	100.0#	0#	0.09
70	TMP	1,4-Dichlorobenzene	1.449	0.000#	100.0#	0#	0.00
71	TMP	1,2-Dichlorobenzene	1.454	0.000#	100.0#	0#	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.000#	100.0#	0#	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

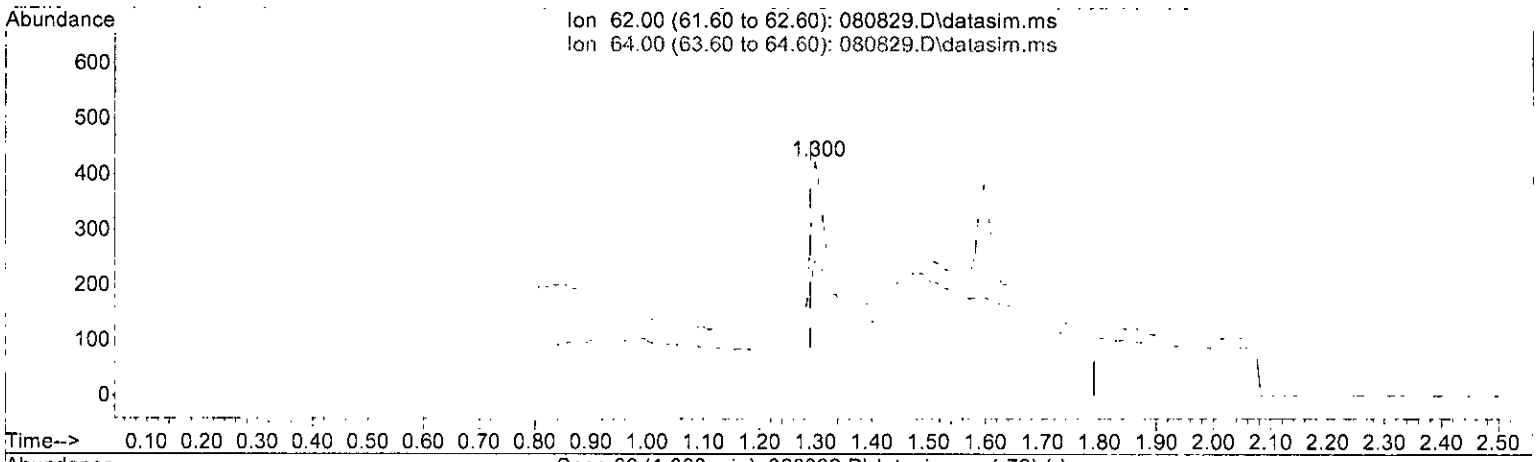
	Compound	AvgRF	CCRF	%Dev Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	0.000#	100.0# 0#	0.00
74 TMP	Hexachlorobutadiene	0.607	0.000#	100.0# 0#	-11.61#
75 TMP	Naphthalene	2.108	0.000#	100.0# 0#	-11.69#
76 TMP	1,2,3-Trichlorobenzene	0.986	0.000#	100.0# 0#	0.00

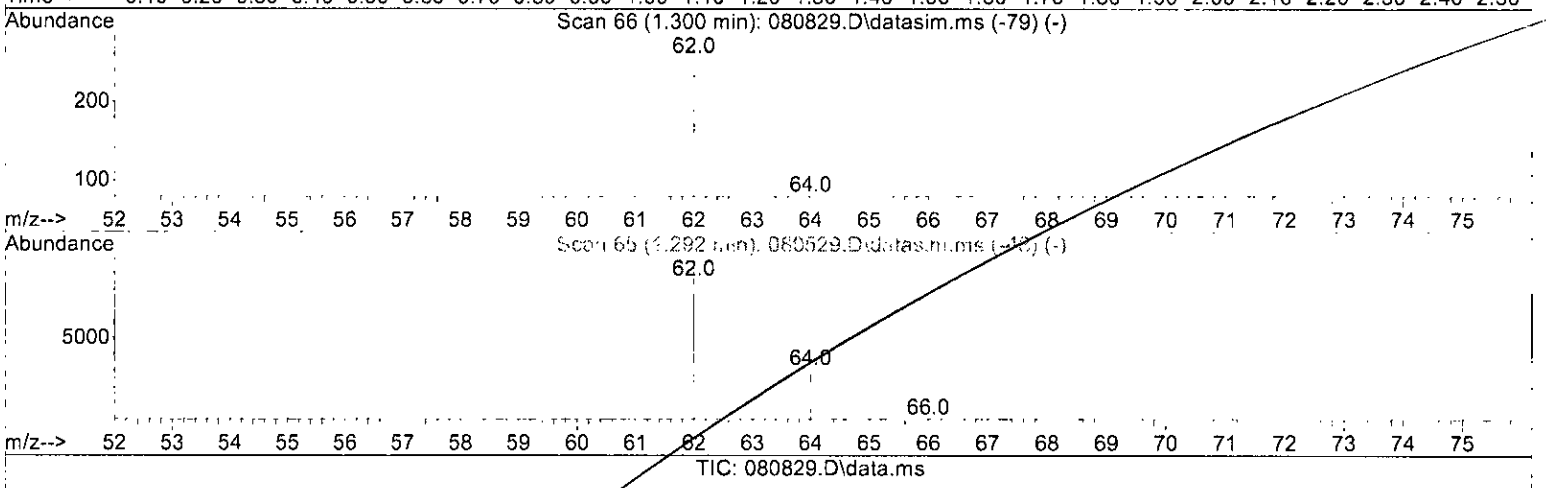
(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:58 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080829.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.008) 0.204 ppb

response 1146

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	37.35
0.00	0.00	0.00
0.00	0.00	0.00

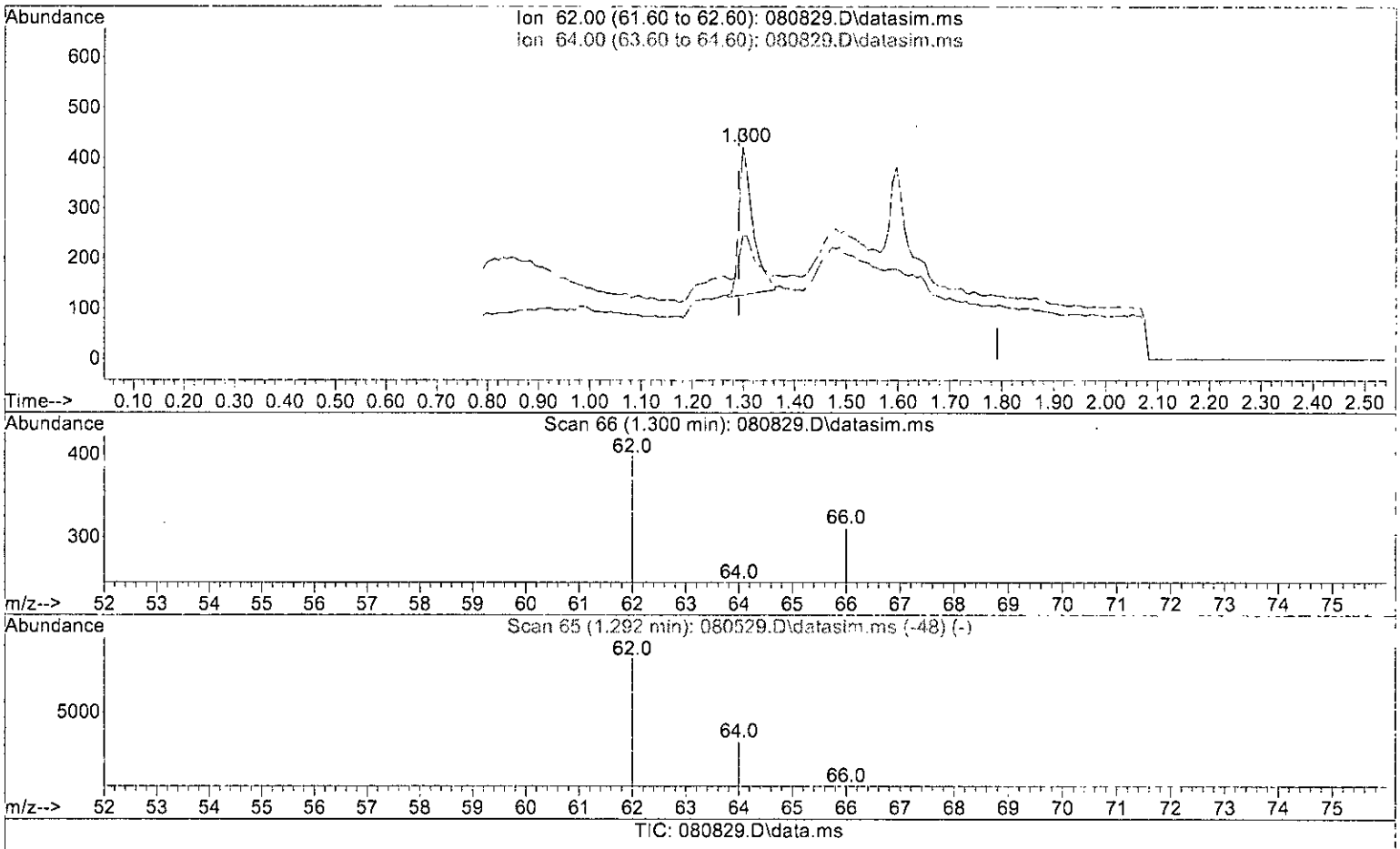
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:58 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080829.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.008) 0.101 ppb m

response 564

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	57.92
0.00	0.00	0.00
0.00	0.00	0.00

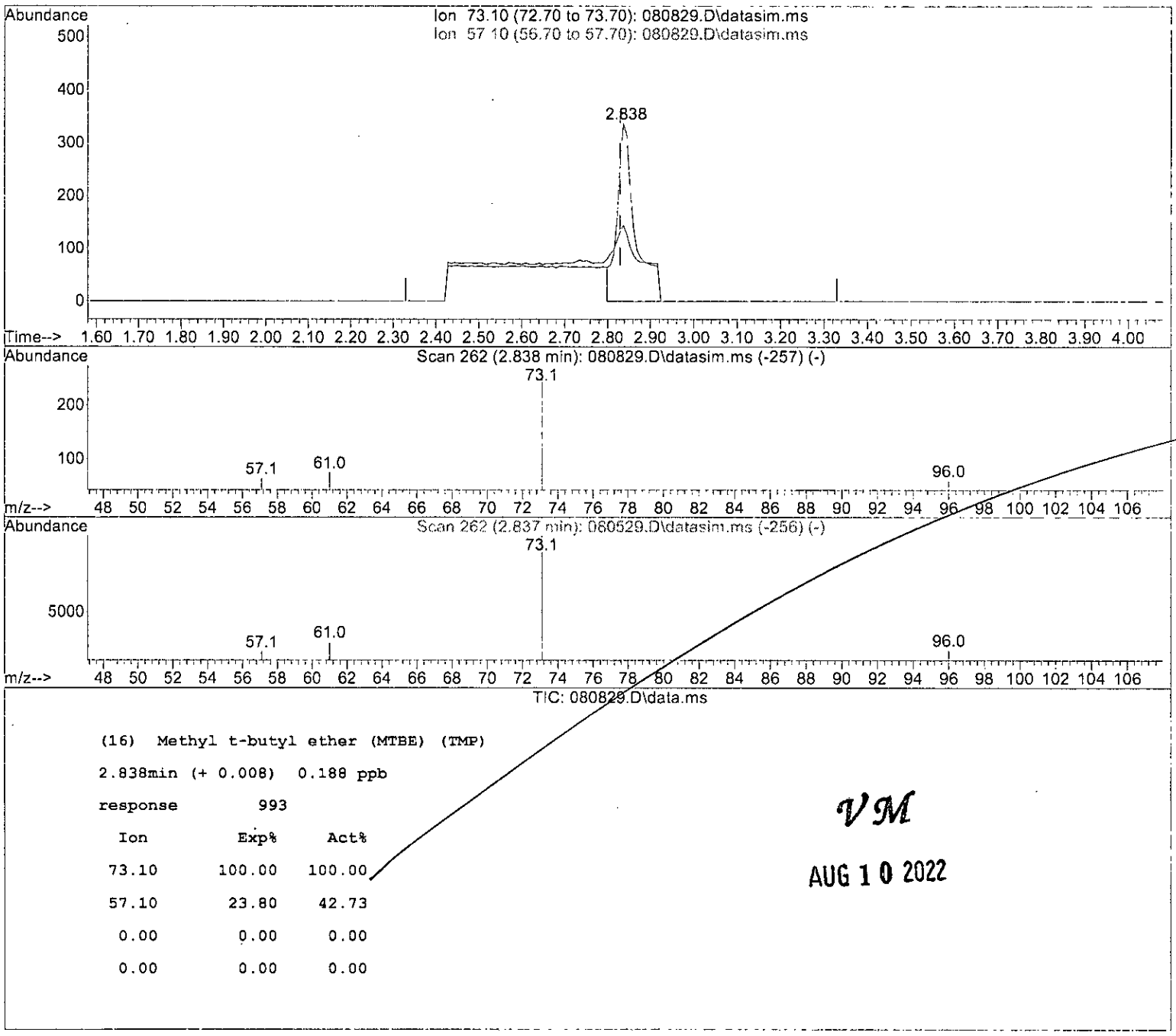
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:58 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080829.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.008) 0.188 ppb

response 993

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	42.73
0.00	0.00	0.00
0.00	0.00	0.00

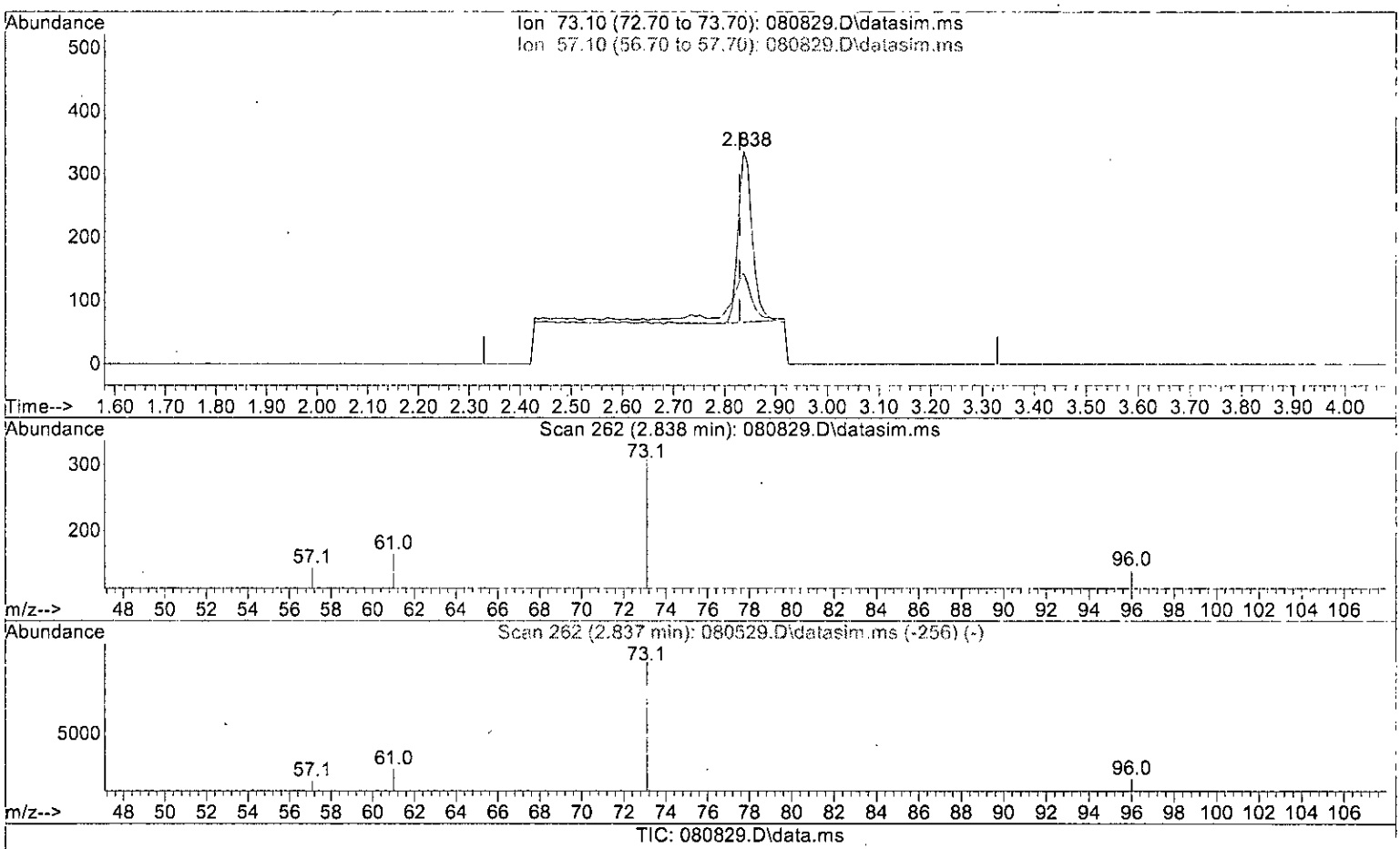
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:58 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080829.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.008) 0.098 ppb m

response 518

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	42.73
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	70256	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	55302	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32633	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19300	10.033	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.30%			
30) 1,2-Dichloroethane-d4	4.35	102	4078	9.790	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 97.90%			
35) Toluene-d8	5.98	98	67259	9.954	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 99.50%			
57) 4-Bromofluorobenzene	8.38	95	26648	9.883	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 98.80%			
Target Compounds						Qvalue
2) Ethanol	1.91	45	105	No Calib		
4) Dichlorodifluoromethane	1.09	85	612	N.D.		
5) Chloromethane	1.23	50	1640	N.D.		
6] Vinyl chloride	1.30	62	564m	0.101	ppb	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	1.78	101	308	N.D.		
10) 2-Propanol	2.39	45	104	No Calib		
11) Acetone	2.27	58	328	N.D.		
12] 1,1-Dichloroethene	2.19	96	204	0.106	ppb	98
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.84	73	518m	0.098	ppb	
17] trans-1,2-Dichloroethene	2.82	96	222	0.097	ppb	87
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	395	0.104	ppb	96
20) Ethyl t-butyl ether (E...	3.55	87	178	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.67	96	236	0.101	ppb	92
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.41	62	350	0.102	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	323	0.102	ppb	92

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	1,1-Dichloropropene	0.00		0	N.D.	d	
29)	Carbon tetrachloride	4.20	117	240	N.D.		
31]	Benzene	4.39	78	806	0.101	ppb	96
32]	Trichloroethene	4.93	95	244	0.103	ppb	93
33)	1,2-Dichloropropane	0.00		0	N.D.	d	
34)	Bromodichloromethane	5.37	83	226	N.D.		
36)	Dibromomethane	0.00		0	N.D.	d	
37)	4-Methyl-2-pentanone	0.00		0	N.D.	d	
38)	cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40]	Toluene	6.03	92	787	0.099	ppb	100
41)	trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42)	1,1,2-Trichloroethane	0.00		0	N.D.	d	
43)	2-Hexanone	0.00		0	N.D.	d	
44)	1,3-Dichloropropane	0.00		0	N.D.	d	
45]	Tetrachloroethene	6.51	164	271	0.109	ppb	95
46)	Dibromochloromethane	0.00		0	N.D.	d	
47]	1,2-Dibromoethane (EDB)	6.85	107	194	0.112	ppb	100
48)	Chlorobenzene	0.00		0	N.D.	d	
49]	Ethylbenzene	7.40	91	987	0.101	ppb	99
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51]	m,p-Xylene	7.52	106	768	0.200	ppb	99
52]	o-Xylene	7.88	106	374	0.099	ppb	100
53)	Styrene	0.00		0	N.D.	d	
54)	Isopropylbenzene	0.00		0	N.D.	d	
55)	Bromoform	0.00		0	N.D.	d	
58)	n-Propylbenzene	0.00		0	N.D.	d	
59)	Bromobenzene	0.00		0	N.D.	d	
60)	1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62)	1,2,3-Trichloropropane	0.00		0	N.D.	d	
63)	2-Chlorotoluene	0.00		0	N.D.	d	
64)	4-Chlorotoluene	0.00		0	N.D.	d	
65)	tert-Butylbenzene	0.00		0	N.D.	d	
66)	1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67)	sec-Butylbenzene	0.00		0	N.D.	d	
68)	p-Isopropyltoluene	0.00		0	N.D.	d	
69)	1,3-Dichlorobenzene	0.00		0	N.D.	d	
70)	1,4-Dichlorobenzene	0.00		0	N.D.	d	
71)	1,2-Dichlorobenzene	0.00		0	N.D.	d	
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73)	1,2,4-Trichlorobenzene	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

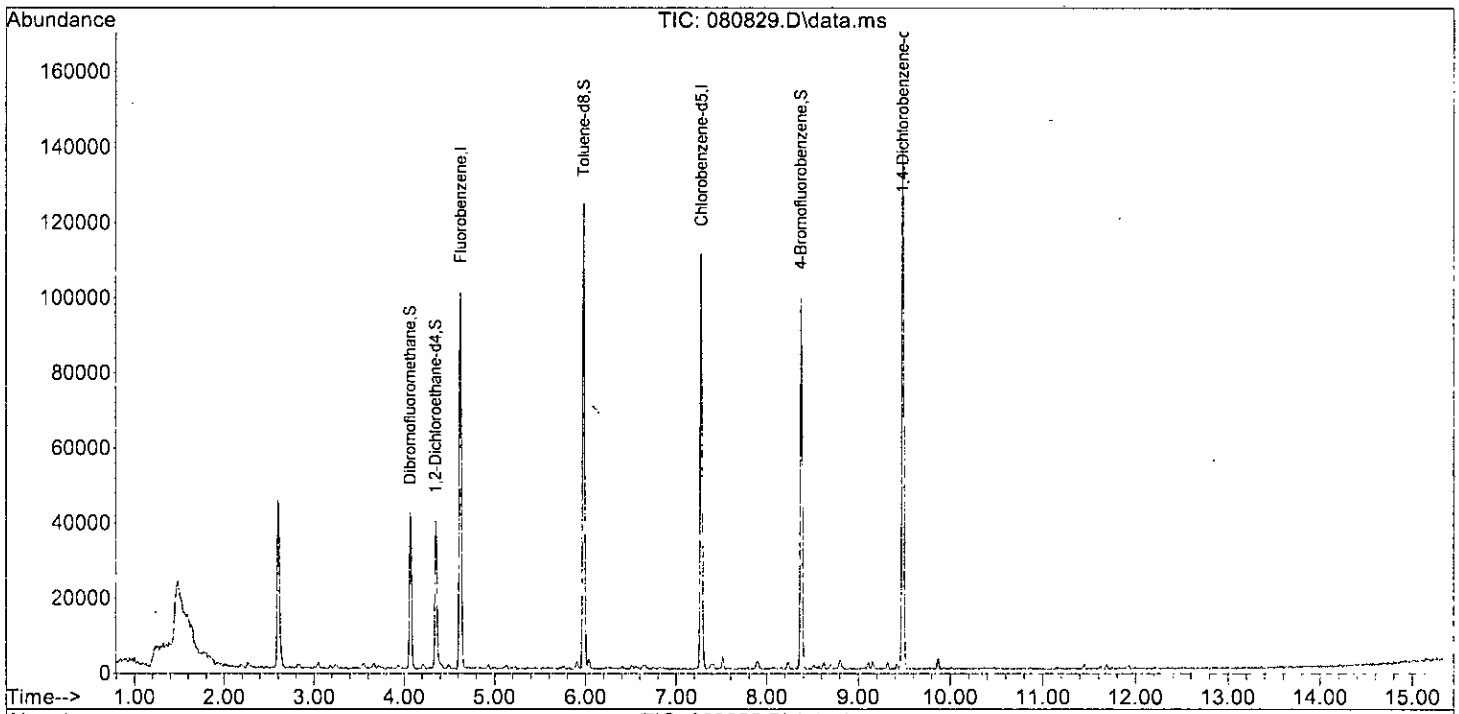
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

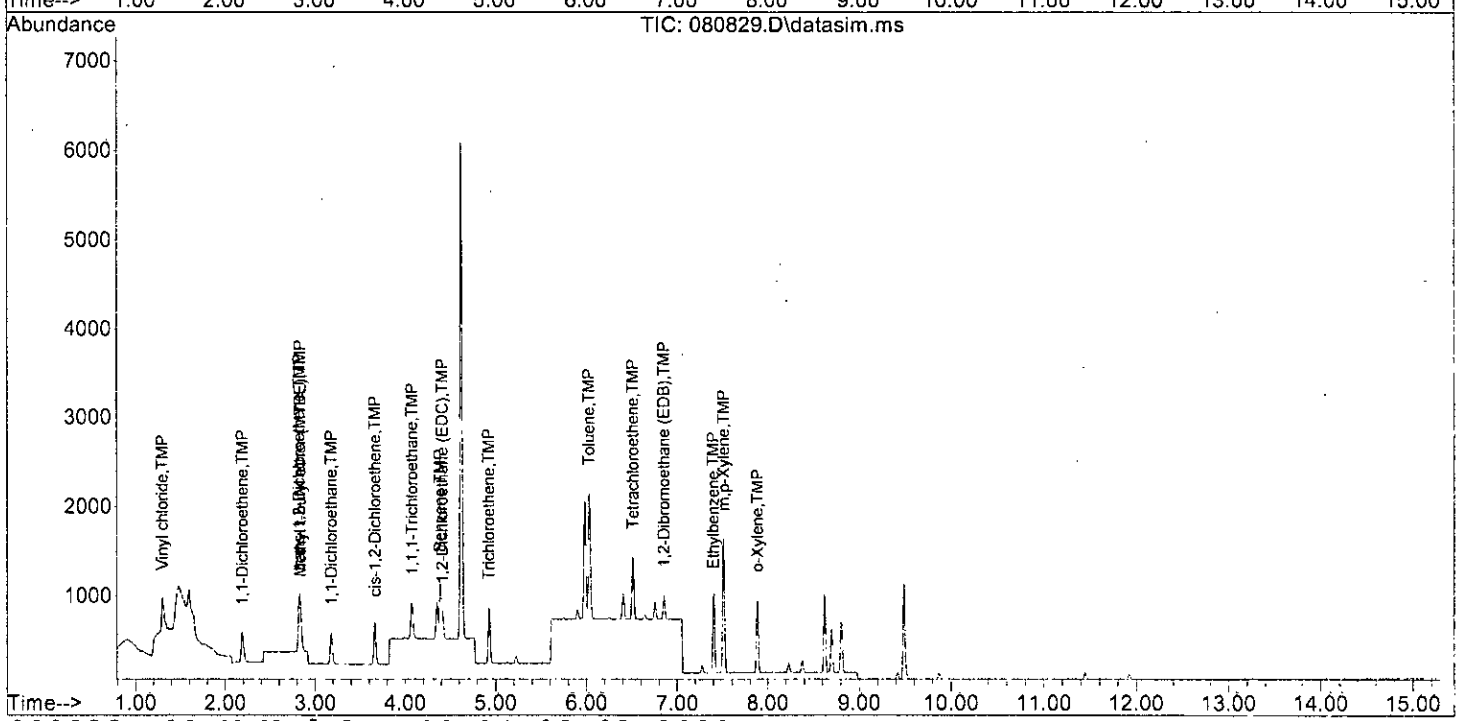
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.02
3	S	Dibromofluoromethane	10.000	10.033	-0.3	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.106	0.0	0	0.00
5	TMP	Chloromethane	-1.000	0.270	0.0	0	0.02
6	TMP	Vinyl chloride	0.100	0.101	-1.0	102	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.58#
9	TMP	Trichlorofluoromethane	-1.000	0.046	0.0	0	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	-1.000	0.595	0.0	0	0.02
12	TMP	1,1-Dichloroethene	0.100	0.106	-6.0	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.04#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.098	2.0	93	0.00
17	TMP	trans-1,2-Dichloroethene	0.100	0.097	3.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.23#
19	TMP	1,1-Dichloroethane	0.100	0.104	-4.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.077	0.0	0	0.00
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.100	0.101	-1.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.102	-2.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.100	0.102	-2.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.21#
29	TMP	Carbon tetrachloride	-1.000	0.087	0.0	0	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.790	2.1	100	0.00
31	TMP	Benzene	0.100	0.101	-1.0	100	0.00
32	TMP	Trichloroethene	0.100	0.103	-3.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.092	0.0	0	0.00
35	S	Toluene-d8	10.000	9.954	0.5	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.099	1.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.40#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.100	0.109	-9.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.112	-12.0	100	0.00
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.30#
49	TMP	Ethylbenzene	0.100	0.101	-1.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.200	0.200	0.0	100	0.00
52	TMP	o-Xylene	0.100	0.099	1.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.883	1.2	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.63#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.52#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.80#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.54#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.57#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.81#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.11#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.16#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.32#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.47#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.51#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.87#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74 TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP	Naphthalene	-1.000	0.000	0.0	0	-11.69#
76 TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.02
3	S	Dibromofluoromethane	0.274	0.275	-0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.000#	100.0#	0#	0.00
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	0.02
6	TMP	Vinyl chloride	0.799	0.803	-0.5	102	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	-1.52#
8	TMP	Chloroethane	0.404	0.000#	100.0#	0#	-1.58#
9	TMP	Trichlorofluoromethane	0.957	0.000#	100.0#	0#	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.000#	100.0#	0#	0.02
12	TMP	1,1-Dichloroethene	0.273	0.290	-6.2	100	0.00
13	TMP	Hexane	0.415	0.000#	100.0#	0#	-3.04#
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.737	2.1	93	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.316	-0.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.000#	100.0#	0#	-3.23#
19	TMP	1,1-Dichloroethane	0.541	0.562	-3.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.000#	100.0#	0#	0.00
21	TMP	2,2-Dichloropropane	0.319	0.000#	100.0#	0#	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.325	0.336	-3.4	100	0.00
23	TMP	Chloroform	0.491	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.131	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.000#	100.0#	0#	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.498	-9.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.460	-2.2	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.000#	100.0#	0#	-4.21#
29	TMP	Carbon tetrachloride	0.390	0.000#	100.0#	0#	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.058	1.7	100	0.00
31	TMP	Benzene	1.115	1.147	-2.9	100	0.00
32	TMP	Trichloroethene	0.327	0.347	-6.1	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.349	0.000#	100.0#	0#	0.00
35	S	Toluene-d8	0.962	0.957	0.5	100	0.00
36	TMP	Dibromomethane	0.166	0.000#	100.0#	0#	-5.23#
37	TMP	4-Methyl-2-pentanone	0.041	0.000#	100.0#	0#	-5.91#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	1.423	-36.0#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.250	0.000#	100.0#	0#	-6.40#
43	TMP	2-Hexanone	0.239	0.000#	100.0#	0#	-6.64#
44	TMP	1,3-Dichloropropane	0.444	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.421	0.490	-16.4	100	0.00
46	TMP	Dibromochloromethane	0.337	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.351	-11.8	100	0.00
48	TMP	Chlorobenzene	0.977	0.000#	100.0#	0#	-7.30#
49	TMP	Ethylbenzene	1.708	1.785	-4.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.670	0.694	-3.6	100	0.00
52	TMP	o-Xylene	0.661	0.676	-2.3	100	0.00
53	TMP	Styrene	0.990	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.609	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.228	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.817	1.1	100	0.00
58	TMP	n-Propylbenzene	3.181	0.000#	100.0#	0#	-8.63#
59	TMP	Bromobenzene	0.791	0.000#	100.0#	0#	-8.52#
60	TMP	1,3,5-Trimethylbenzene	2.358	0.000#	100.0#	0#	-8.80#
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.000#	100.0#	0#	-8.54#
62	TMP	1,2,3-Trichloropropane	0.455	0.000#	100.0#	0#	-8.57#
63	TMP	2-Chlorotoluene	1.884	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.179	0.000#	100.0#	0#	-8.81#
65	TMP	tert-Butylbenzene	2.106	0.000#	100.0#	0#	-9.11#
66	TMP	1,2,4-Trimethylbenzene	2.427	0.000#	100.0#	0#	-9.16#
67	TMP	sec-Butylbenzene	3.077	0.000#	100.0#	0#	-9.32#
68	TMP	p-Isopropyltoluene	2.660	0.000#	100.0#	0#	-9.47#
69	TMP	1,3-Dichlorobenzene	1.487	0.000#	100.0#	0#	-9.42#
70	TMP	1,4-Dichlorobenzene	1.449	0.000#	100.0#	0#	-9.51#
71	TMP	1,2-Dichlorobenzene	1.454	0.000#	100.0#	0#	-9.87#
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.000#	100.0#	0#	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

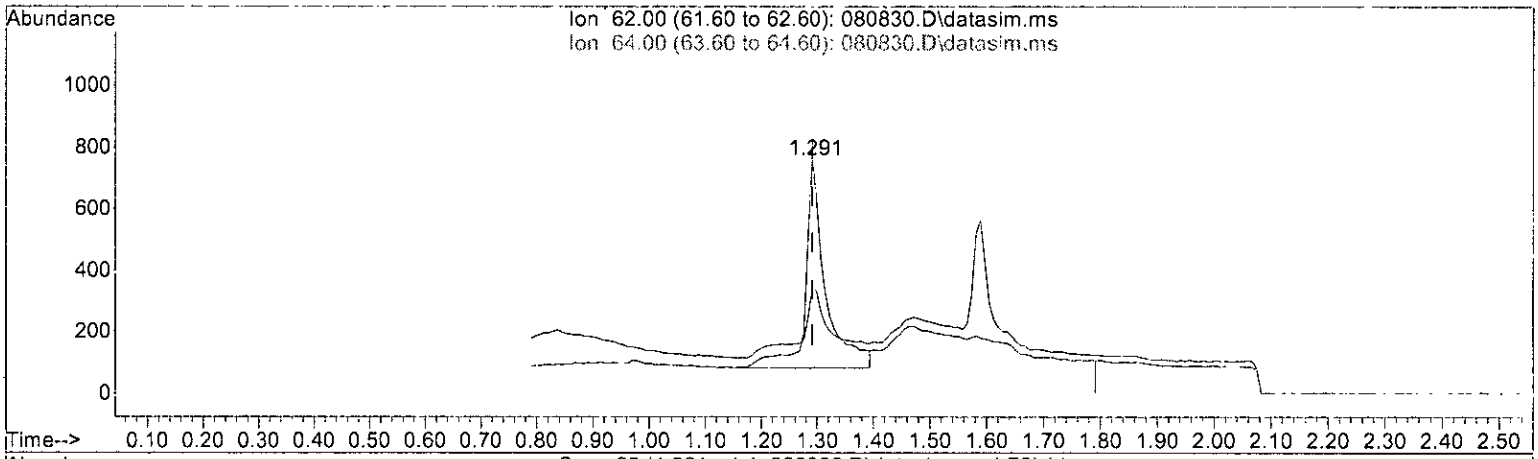
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	0.000#	100.0#	0#	-11.44#
74 TMP	Hexachlorobutadiene	0.607	0.000#	100.0#	0#	-11.61#
75 TMP	Naphthalene	2.108	0.000#	100.0#	0#	-11.69#
76 TMP	1,2,3-Trichlorobenzene	0.986	0.000#	100.0#	0#	-11.92#

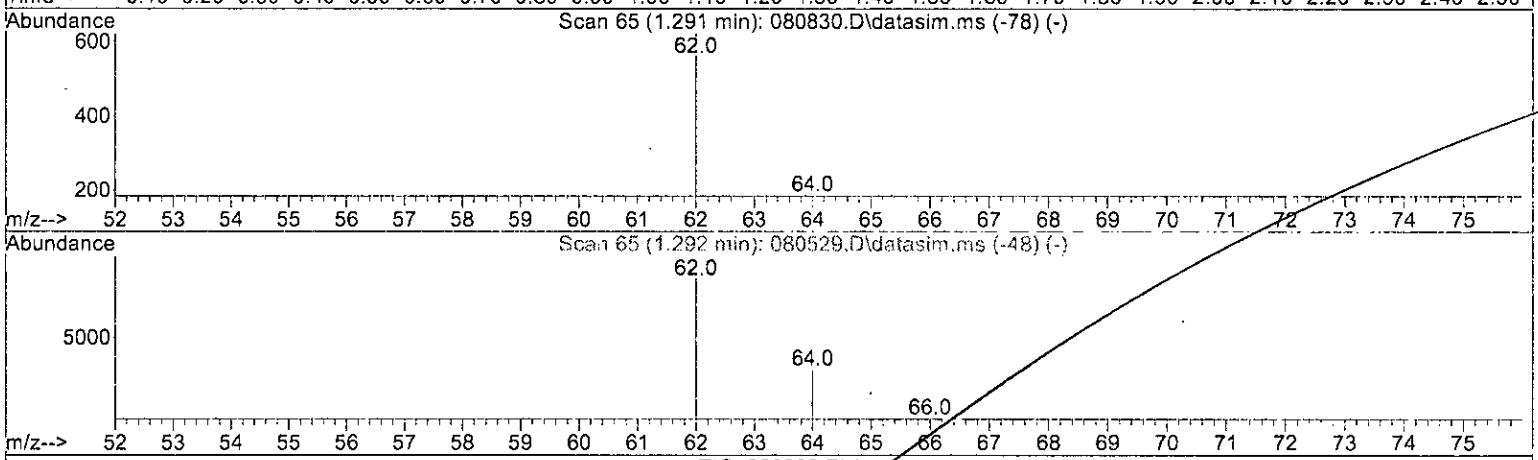
(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080830.D\data.ms

(6) Vinyl chloride (TMP)

1.291min (-0.001) 0.301 ppb

response 1729

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	34.12
0.00	0.00	0.00
0.00	0.00	0.00

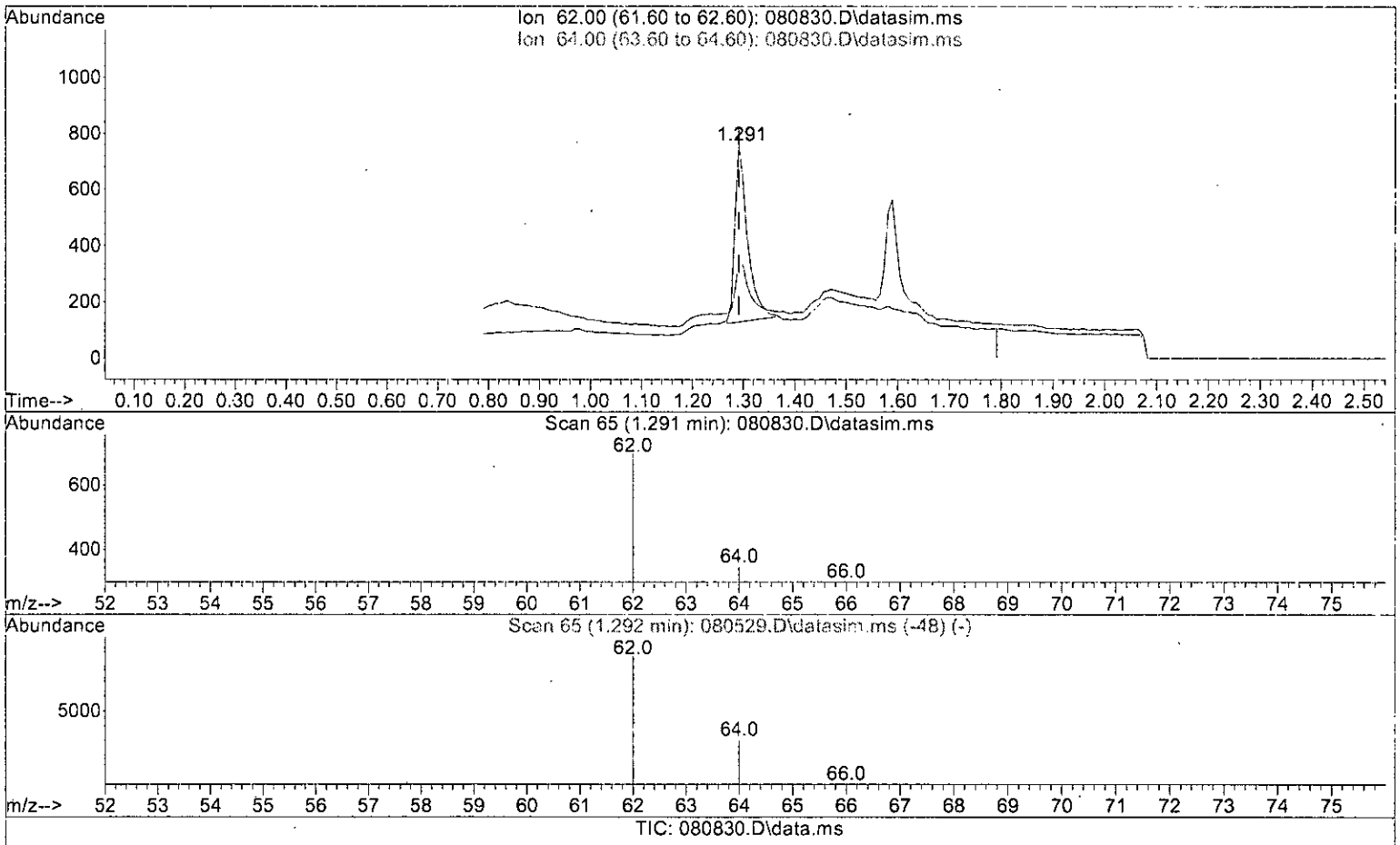
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(6) Vinyl chloride (TMP)

1.291min (-0.001) 0.191 ppb m

response 1100

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	45.51
0.00	0.00	0.00
0.00	0.00	0.00

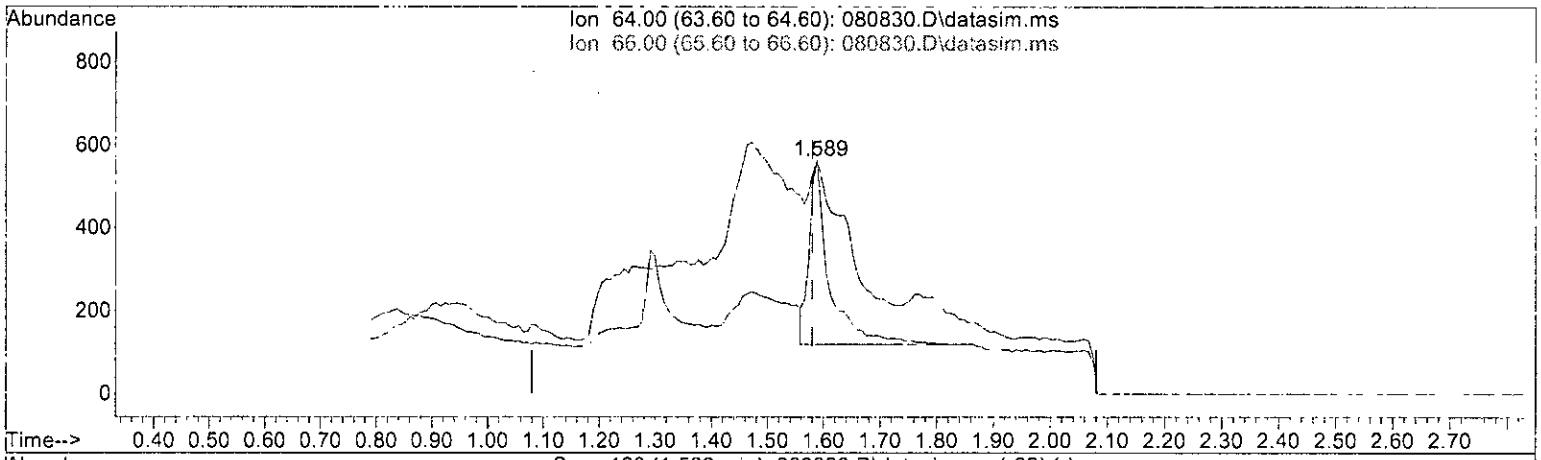
VM

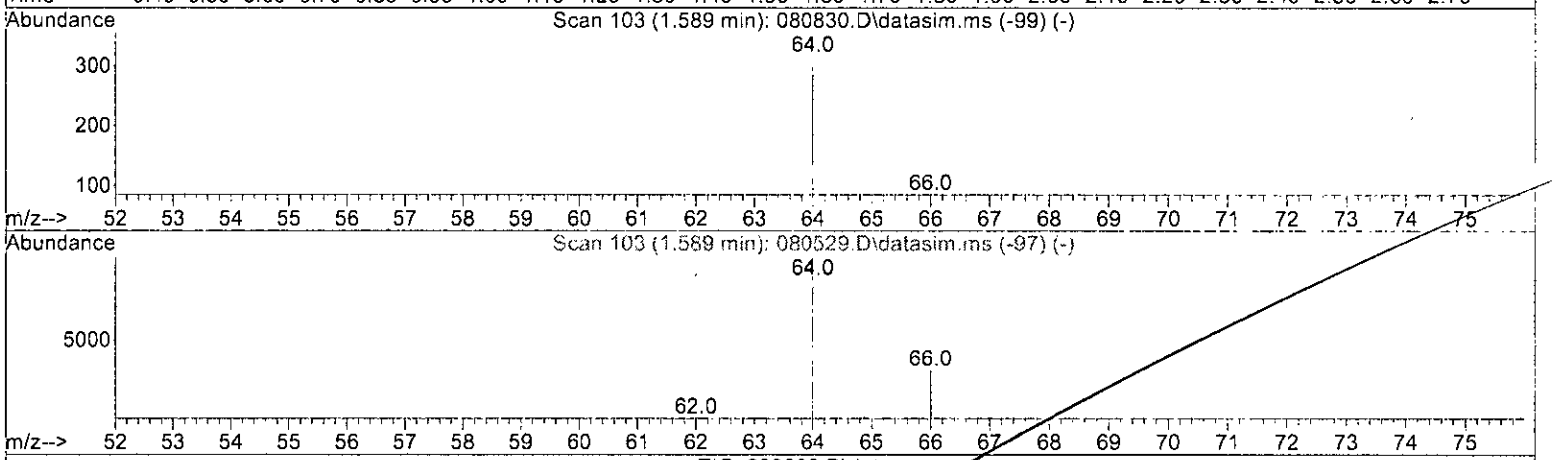
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080830.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.008) 0.385 ppb

response 1120

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	84.20#
0.00	0.00	0.00
0.00	0.00	0.00

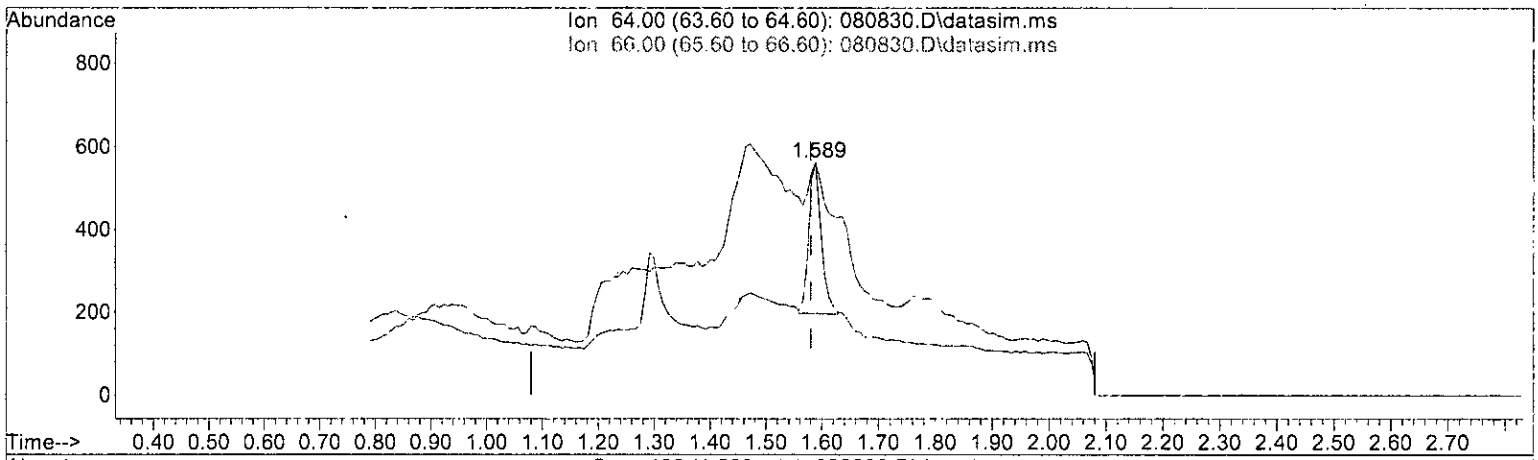
VM

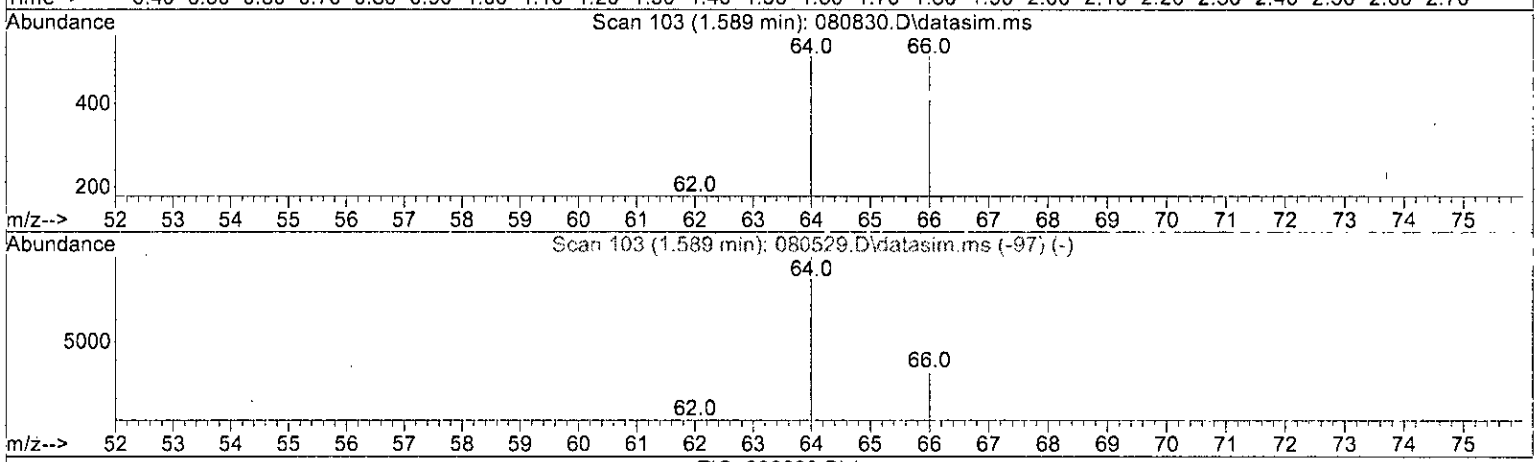
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080830.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.008) 0.197 ppb m

response 573

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	100.36#
0.00	0.00	0.00
0.00	0.00	0.00

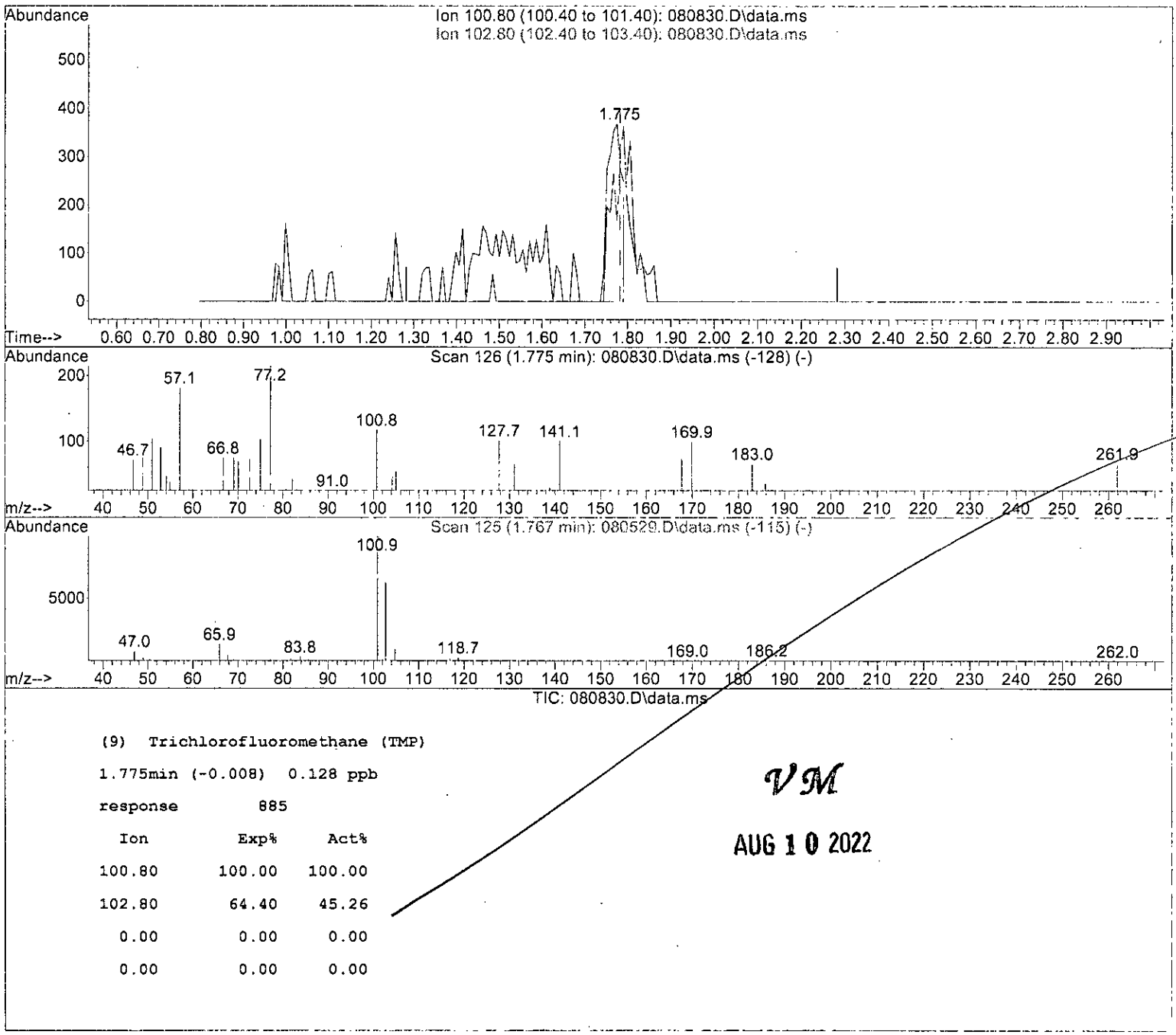
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.008) 0.128 ppb

response 885

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	45.26
0.00	0.00	0.00
0.00	0.00	0.00

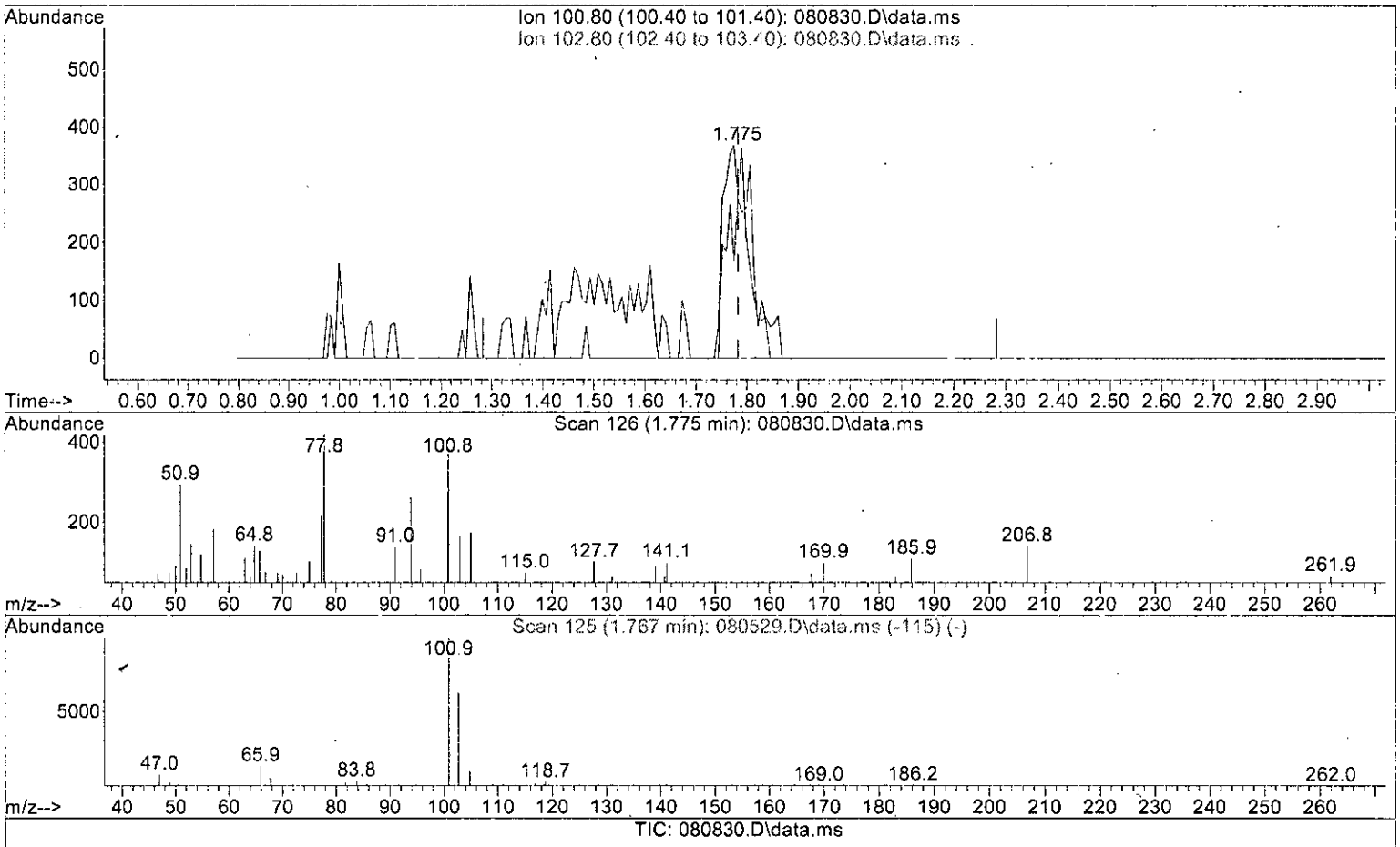
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
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DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.008) 0.194 ppb m

response 1339

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	45.26
0.00	0.00	0.00
0.00	0.00	0.00

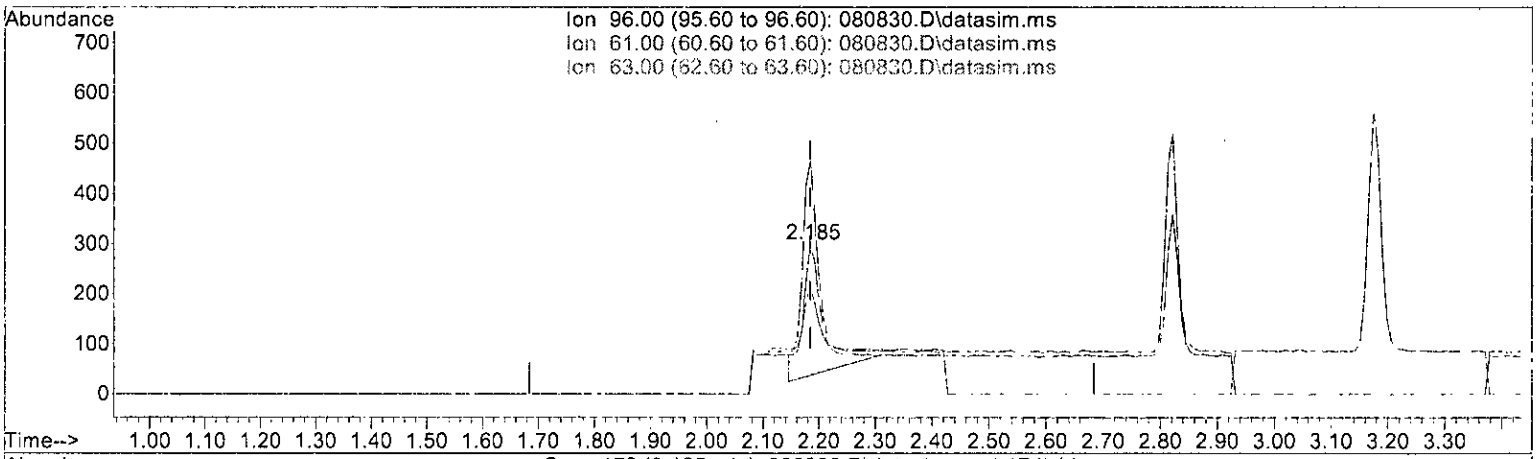
VM

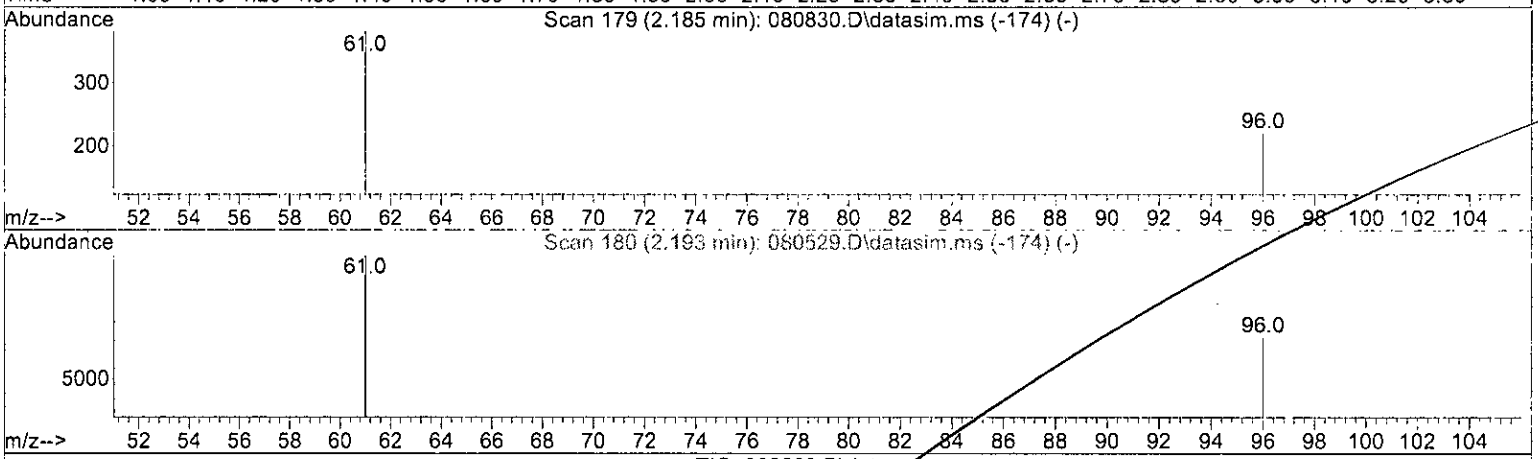
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080830.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.185min (-0.000) 0.328 ppb

response 644

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	170.85
63.00	53.80	56.95
0.00	0.00	0.00

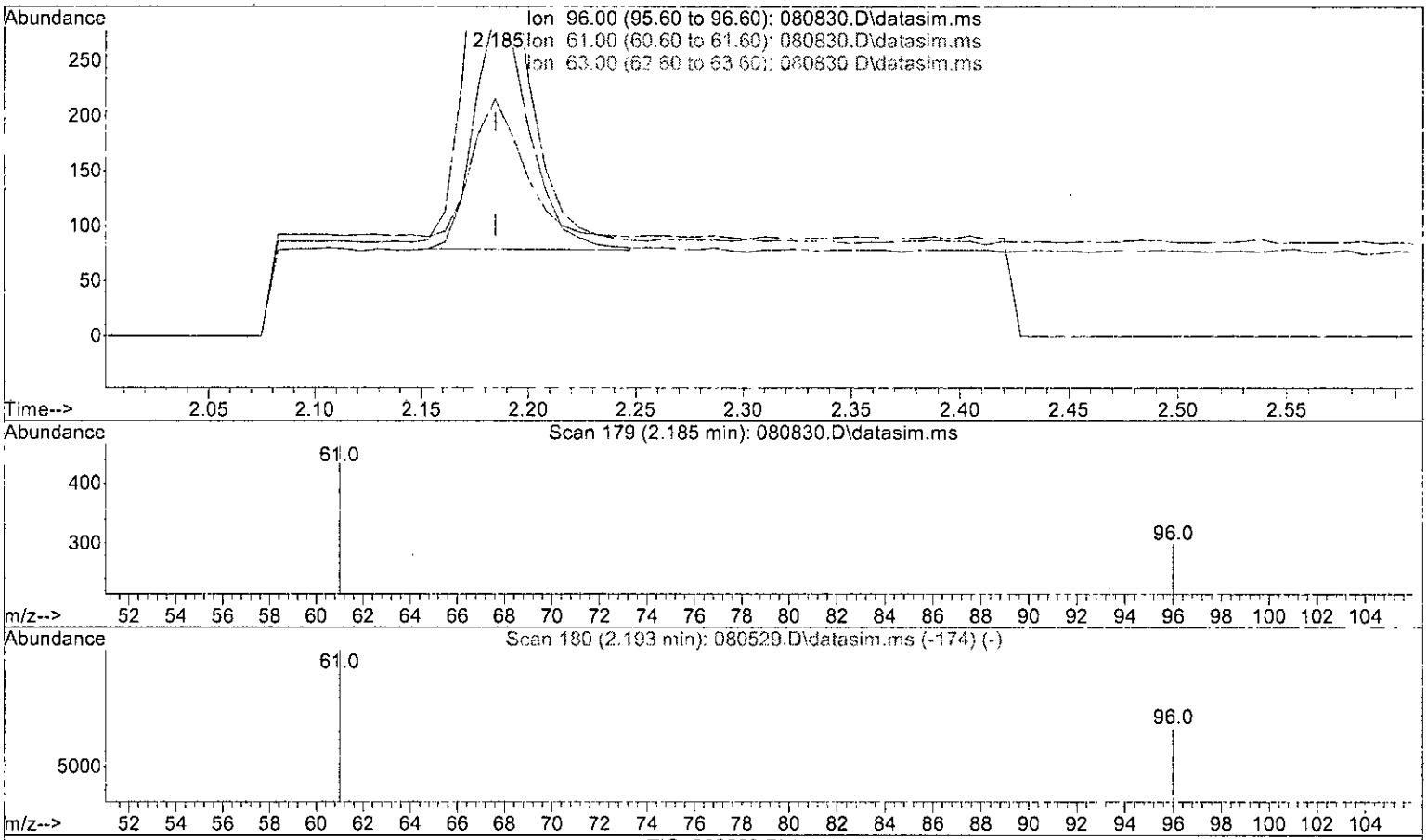
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.185min (-0.000) 0.194 ppb m

response 380

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	155.85
63.00	53.80	71.91
0.00	0.00	0.00

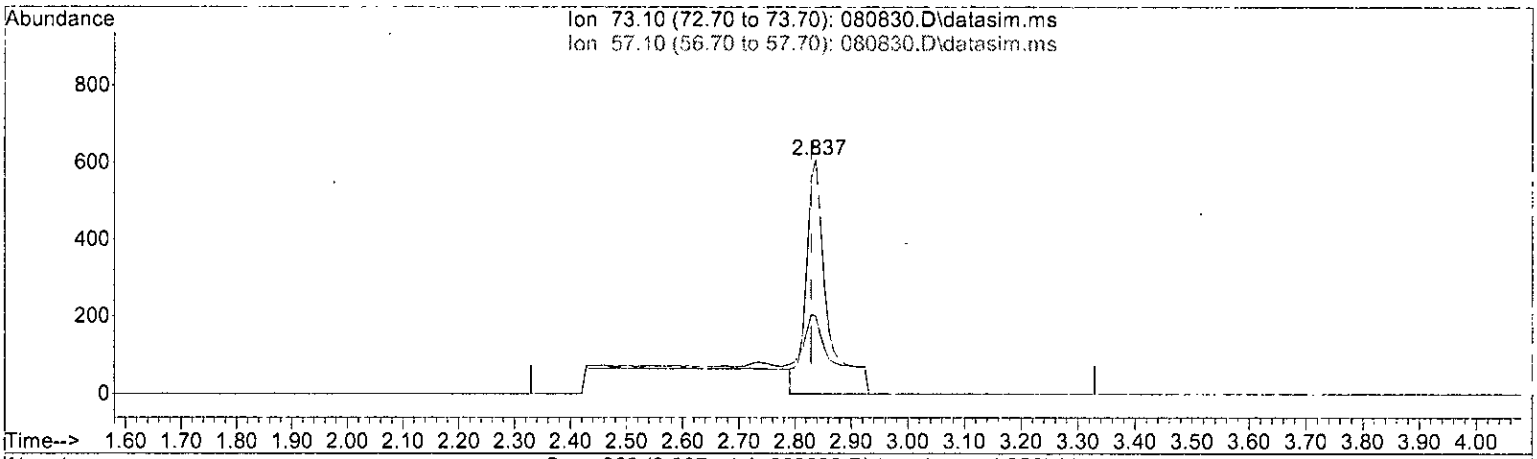
VM

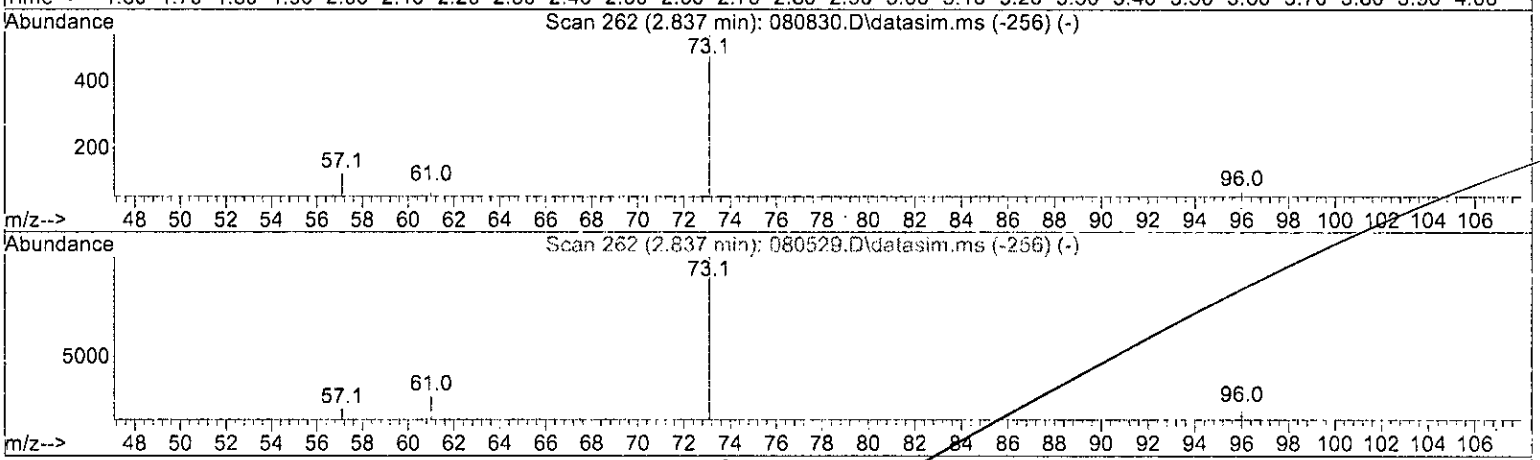
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
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TIC: 080830.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.007) 0.292 ppb

response 1585

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	33.17
0.00	0.00	0.00
0.00	0.00	0.00

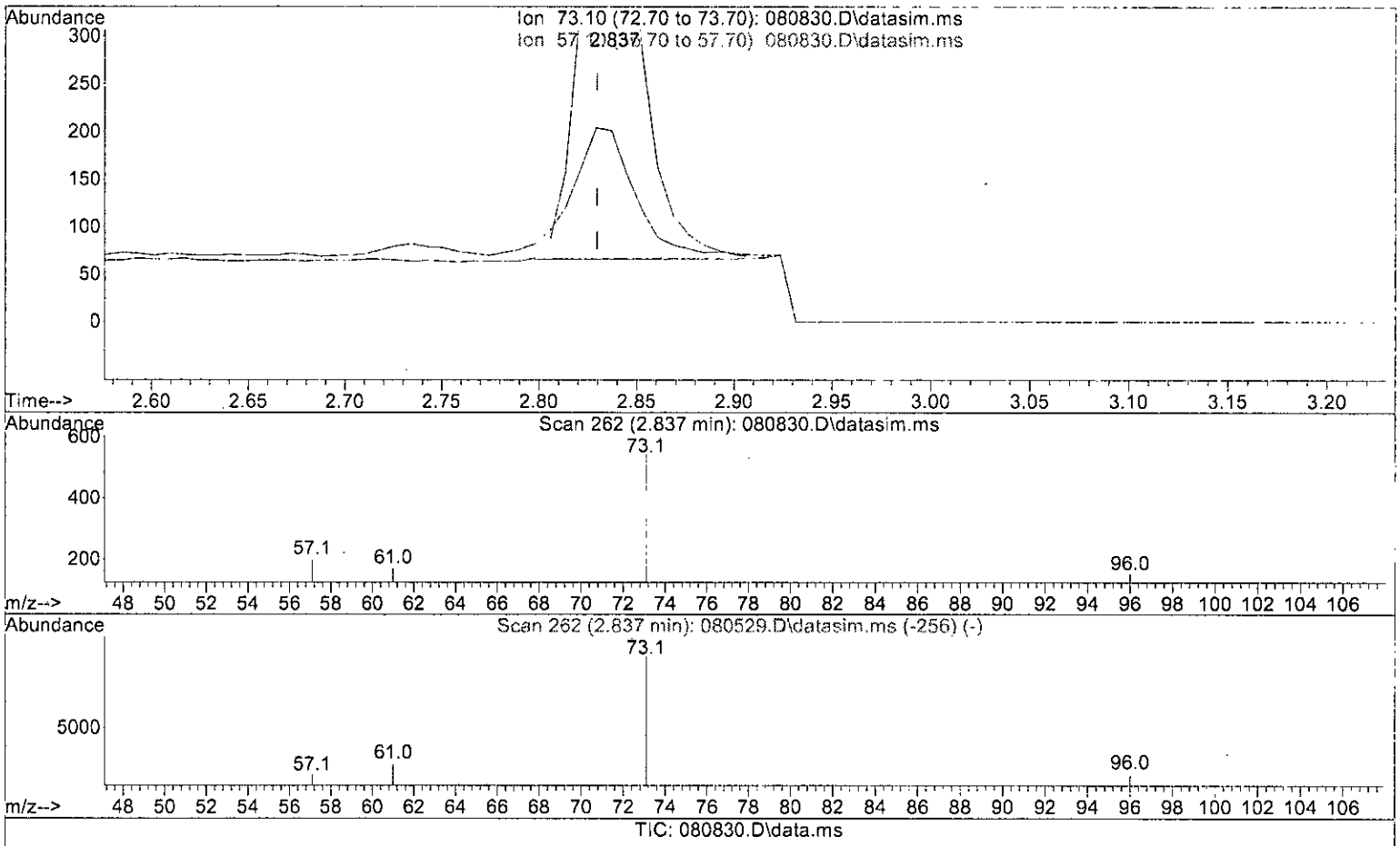
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.007) 0.194 ppb m

response 1050

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	33.17
0.00	0.00	0.00
0.00	0.00	0.00

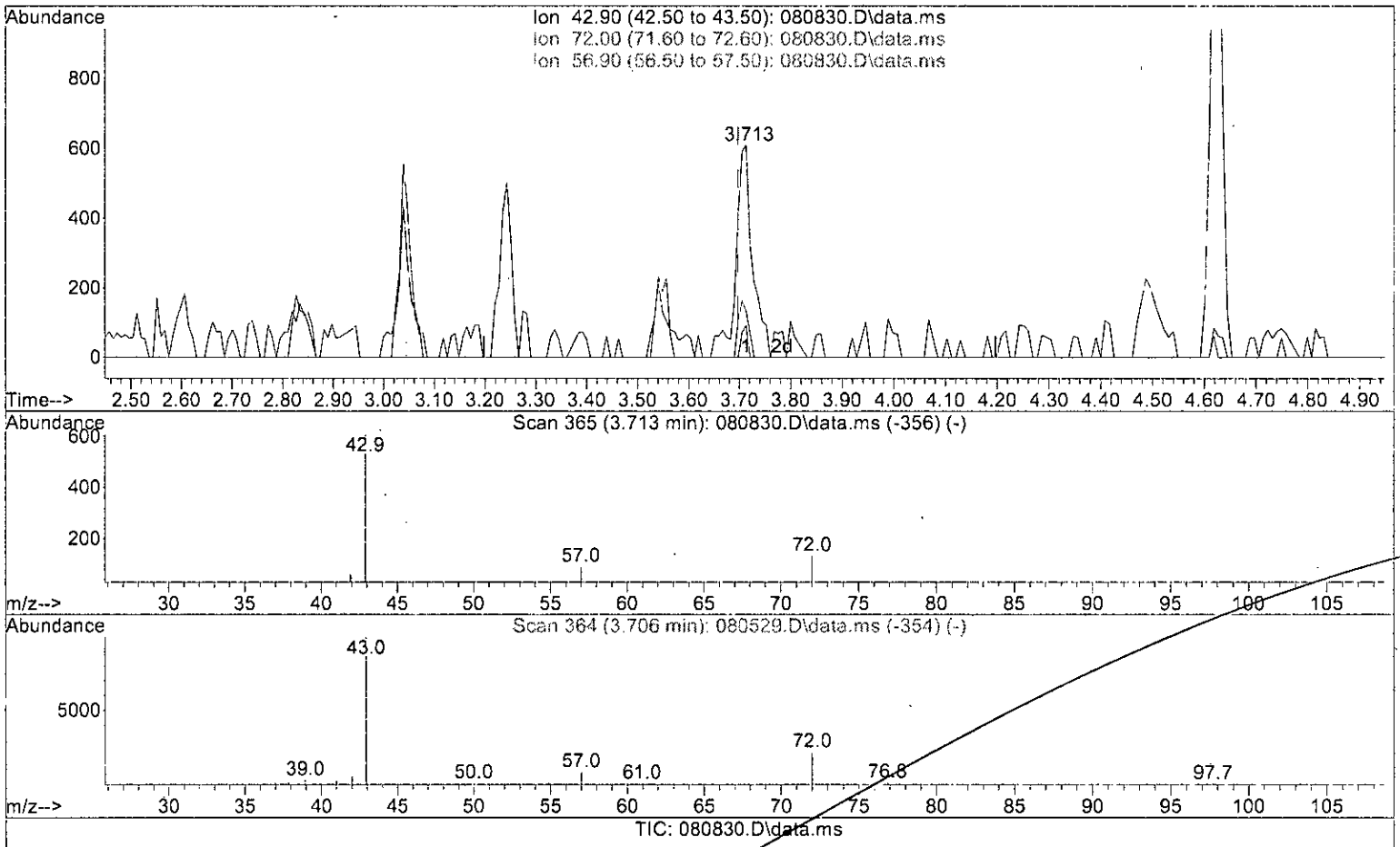
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
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Operator : RF
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Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(24) 2-Butanone (MEK) (TMP)

3.713min (+ 0.015) 1.157 ppb

response 1410

Ion	Exp%	Act%
42.90	100.00	100.00
72.00	23.30	22.00
56.90	8.30	15.11
0.00	0.00	0.00

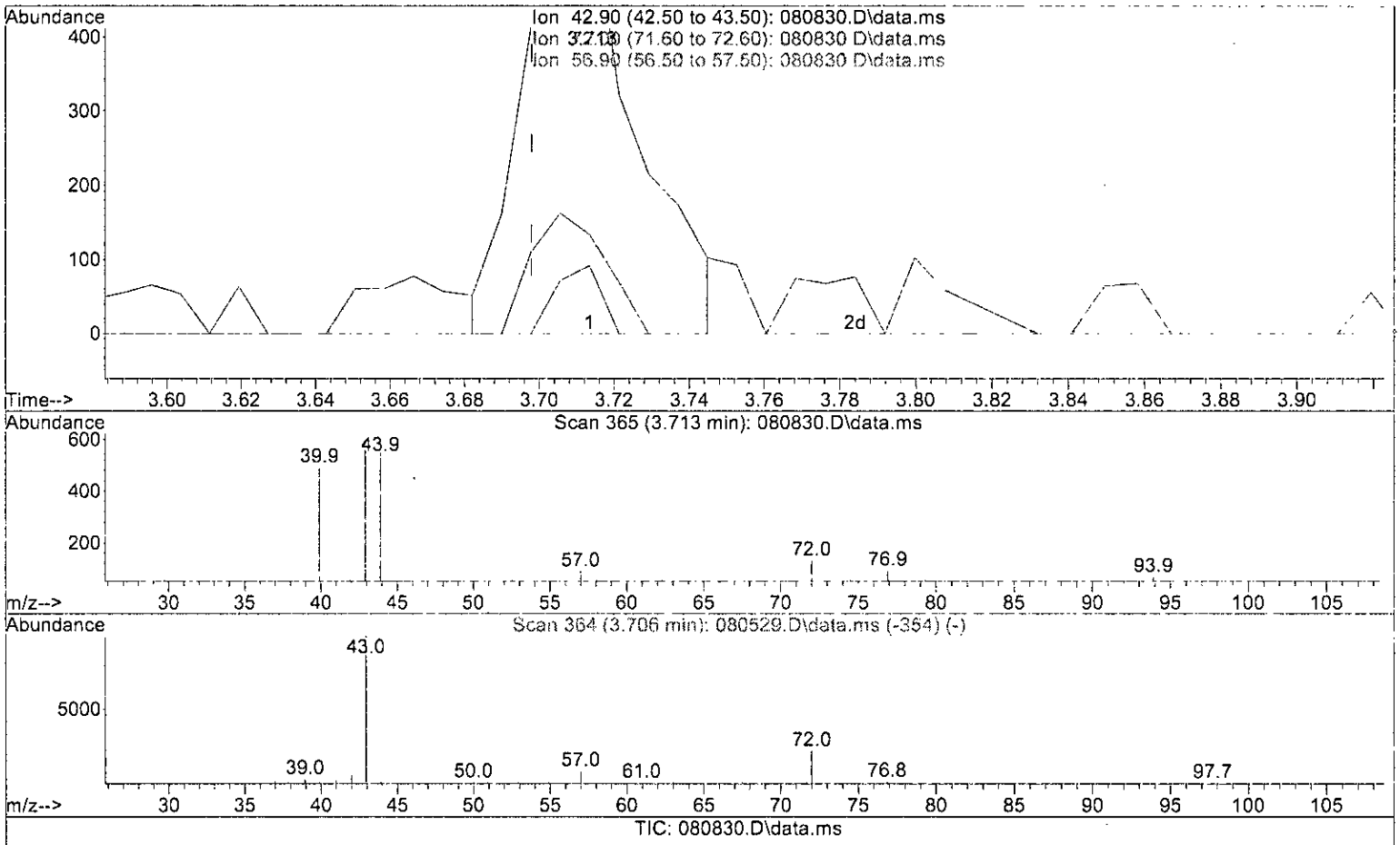
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(24) 2-Butanone (MEK) (TMP)

3.713min (+ 0.015) 0.941 ppb m

response 1221

Ion	Exp%	Act%
42.90	100.00	100.00
72.00	23.30	22.00
56.90	8.30	15.11
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	71982	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	56014	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31937	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19977	10.135	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%			
30) 1,2-Dichloroethane-d4	4.35	102	4185	9.806	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.10%			
35) Toluene-d8	5.98	98	69347	10.017	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.20%			
57) 4-Bromofluorobenzene	8.38	95	26586	10.075	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.70%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.29	62	1100m	0.191	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8] Chloroethane	1.59	64	573m	0.197	ppb	
9) Trichlorofluoromethane	1.77	101	1339m	0.194	ppb	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.18	96	380m	0.194	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16] Methyl t-butyl ether (...	2.84	73	1050m	0.194	ppb	
17] trans-1,2-Dichloroethene	2.82	96	424	0.192	ppb	93
18) Diisopropyl ether (DIPE)	3.24	45	1416	0.210	ppb	97
19] 1,1-Dichloroethane	3.17	63	764	0.196	ppb	99
20) Ethyl t-butyl ether (E...	3.55	87	505	0.213	ppb	92
21) 2,2-Dichloropropane	3.66	77	652	0.177	ppb	87
22] cis-1,2-Dichloroethene	3.66	96	453	0.196	ppb	96
23) Chloroform	3.94	83	726	0.205	ppb	94
24) 2-Butanone (MEK)	3.71	43	1221m	0.941	ppb	
25) t-Amyl methyl ether (T...	4.49	73	1081	0.207	ppb	83
26] 1,2-Dichloroethane (EDC)	4.41	62	628	0.198	ppb	98
27] 1,1,1-Trichloroethane	4.07	97	640	0.198	ppb	99

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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	4.21	75	571	0.213	ppb		79
29)	Carbon tetrachloride	4.21	117	518	0.184	ppb		92
31]	Benzene	4.38	78	1544	0.194	ppb		98
32]	Trichloroethene	4.93	95	452	0.195	ppb		95
33)	1,2-Dichloropropane	5.13	63	509	0.246	ppb	#	87
34)	Bromodichloromethane	5.37	83	506	0.201	ppb		75
36)	Dibromomethane	5.23	93	291	0.243	ppb		77
37)	4-Methyl-2-pentanone	5.91	85	306	1.043	ppb	#	74
38)	cis-1,3-Dichloropropene	5.75	75	532	0.188	ppb		63
40]	Toluene	6.03	92	1236	0.191	ppb		98
41)	trans-1,3-Dichloropropene	6.25	75	607	0.235	ppb		72
42]	1,1,2-Trichloroethane	6.40	83	288	0.205	ppb		97
43)	2-Hexanone	6.64	43	1706	1.275	ppb		75
44)	1,3-Dichloropropane	6.55	76	584	0.235	ppb		94
45]	Tetrachloroethene	6.51	164	443	0.196	ppb		97
46)	Dibromochloromethane	6.75	129	394	0.209	ppb		75
47]	1,2-Dibromoethane (EDB)	6.85	107	351	0.200	ppb		98
48)	Chlorobenzene	7.30	112	1178	0.215	ppb		95
49]	Ethylbenzene	7.40	91	1854	0.197	ppb		100
50)	1,1,1,2-Tetrachloroethane	7.38	131	360	0.183	ppb		85
51]	m,p-Xylene	7.52	106	1441	0.391	ppb		99
52]	o-Xylene	7.88	106	710	0.195	ppb		99
53)	Styrene	7.90	104	1096	0.198	ppb		86
54)	Isopropylbenzene	8.23	105	1940	0.215	ppb		97
55)	Bromoform	8.08	173	202	0.158	ppb		67
58)	n-Propylbenzene	8.63	91	2220	0.219	ppb		93
59)	Bromobenzene	8.52	156	531	0.210	ppb		87
60)	1,3,5-Trimethylbenzene	8.80	105	1649	0.219	ppb		89
61)	1,1,2,2-Tetrachloroethane	8.53	83	470	0.227	ppb		73
62)	1,2,3-Trichloropropane	8.57	75	257	0.177	ppb		75
63)	2-Chlorotoluene	8.70	91	1386	0.230	ppb		90
64)	4-Chlorotoluene	8.81	91	1441	0.207	ppb		95
65)	tert-Butylbenzene	9.10	119	1412	0.210	ppb		89
66)	1,2,4-Trimethylbenzene	9.15	105	1651	0.213	ppb		80
67)	sec-Butylbenzene	9.32	105	2029	0.206	ppb		92
68)	p-Isopropyltoluene	9.46	119	1789	0.211	ppb		95
69)	1,3-Dichlorobenzene	9.42	146	996	0.210	ppb		94
70)	1,4-Dichlorobenzene	9.51	146	1056	0.228	ppb		87
71)	1,2-Dichlorobenzene	9.87	146	981	0.211	ppb		83
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73)	1,2,4-Trichlorobenzene	11.45	180	752	0.214	ppb		93

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Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

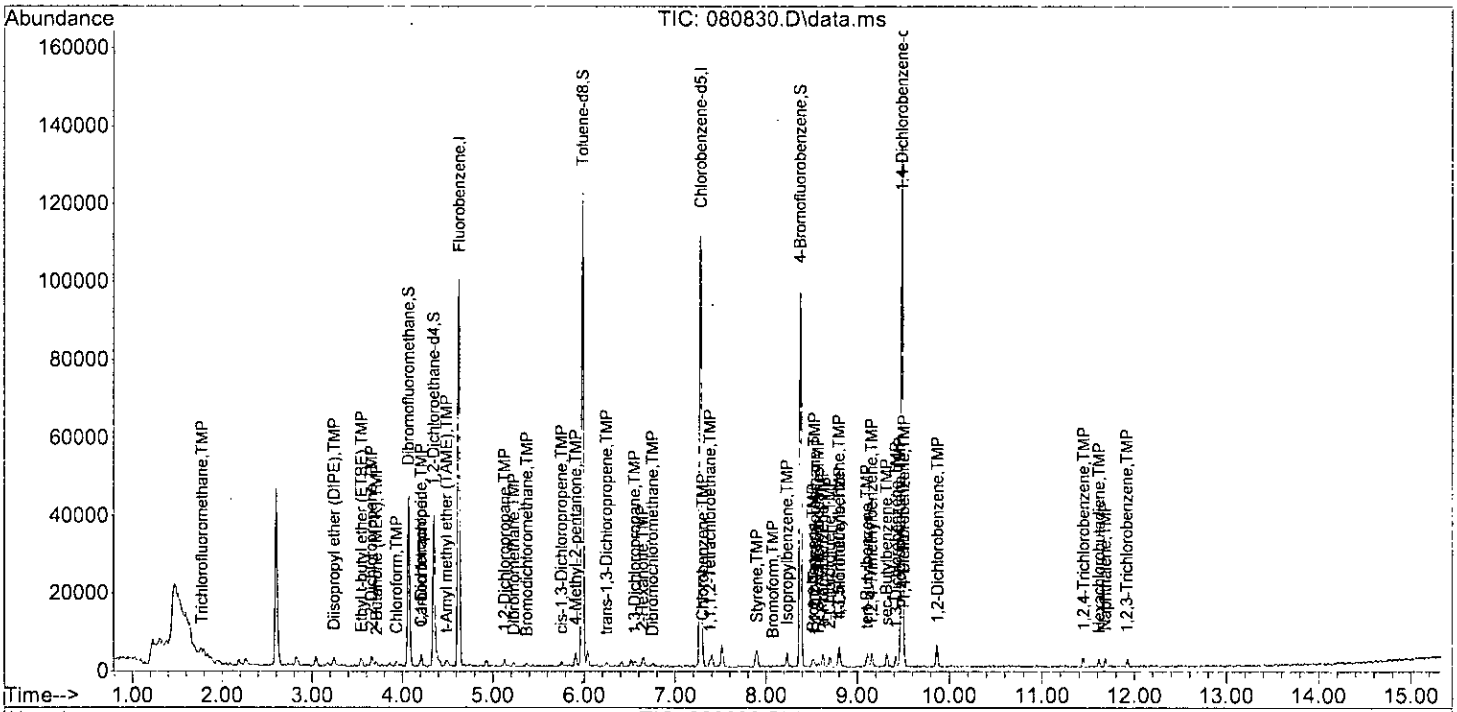
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
74) Hexachlorobutadiene	11.62	225	399	0.206	ppb		90
75) Naphthalene	11.69	128	1332	0.198	ppb		90
76) 1,2,3-Trichlorobenzene	11.92	180	670	0.213	ppb	#	72

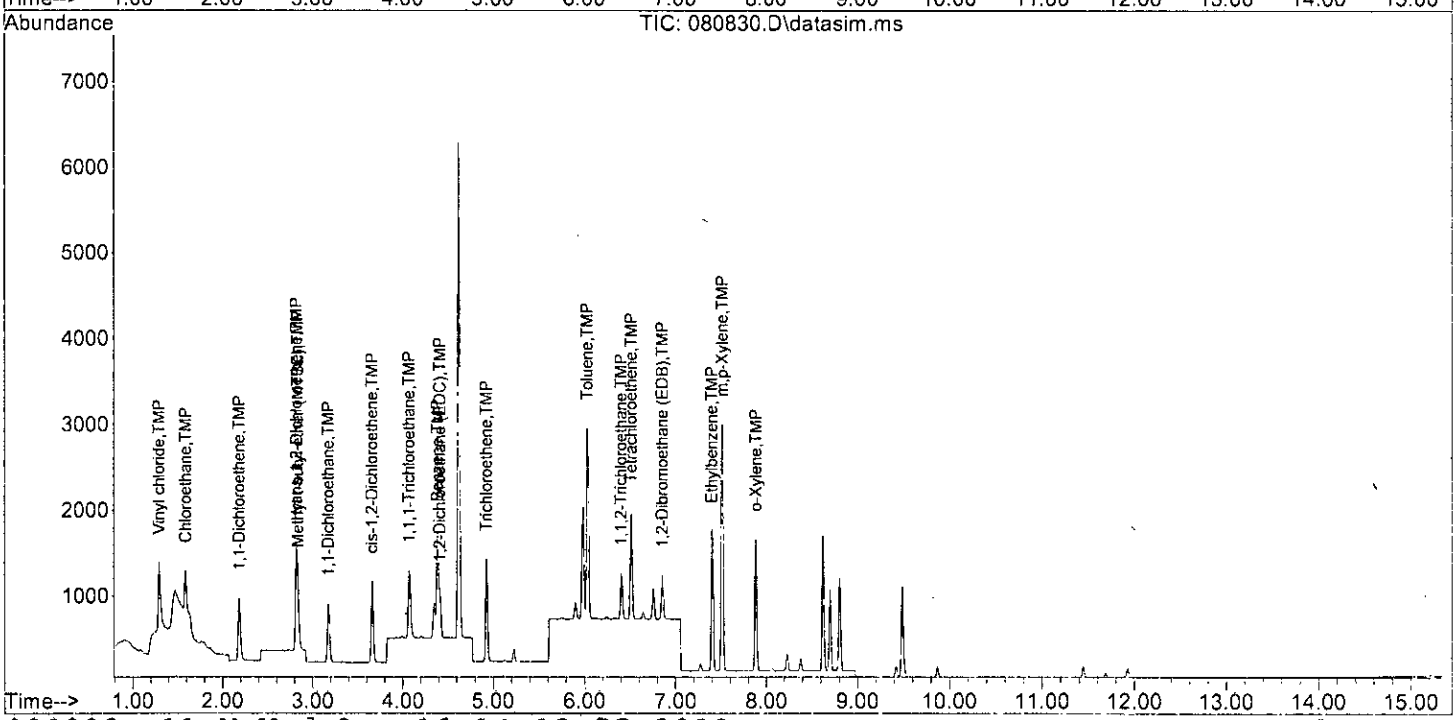
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
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DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
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DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.135	-1.3	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.200	0.191	4.5	100	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8	TMP	Chloroethane	0.200	0.197	1.5	104	0.00
9	TMP	Trichlorofluoromethane	0.200	0.194	3.0	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.25#
12	TMP	1,1-Dichloroethene	0.200	0.194	3.0	97	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.04#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.194	3.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.200	0.192	4.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.200	0.210	-5.0	100	0.00
19	TMP	1,1-Dichloroethane	0.200	0.196	2.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.213	-6.5	100	0.00
21	TMP	2,2-Dichloropropane	0.200	0.177	11.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.200	0.196	2.0	100	0.00
23	TMP	Chloroform	0.200	0.205	-2.5	100	0.00
24	TMP	2-Butanone (MEK)	1.000	0.941	5.9	97	0.02
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.207	-3.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.198	1.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.200	0.198	1.0	100	0.00
28	TMP	1,1-Dichloropropene	0.200	0.213	-6.5	100	0.00
29	TMP	Carbon tetrachloride	0.200	0.184	8.0	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.806	1.9	100	0.00
31	TMP	Benzene	0.200	0.194	3.0	100	0.00
32	TMP	Trichloroethene	0.200	0.195	2.5	100	0.00
33	TMP	1,2-Dichloropropane	0.200	0.246	-23.0#	100	0.00
34	TMP	Bromodichloromethane	0.200	0.201	-0.5	100	0.00
35	S	Toluene-d8	10.000	10.017	-0.2	100	0.00
36	TMP	Dibromomethane	0.200	0.243	-21.5#	100	0.00
37	TMP	4-Methyl-2-pentanone	1.000	1.043	-4.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.200	0.188	6.0	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.191	4.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.200	0.235	-17.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.200	0.205	-2.5	100	0.00
43	TMP	2-Hexanone	1.000	1.275	-27.5#	100	0.00
44	TMP	1,3-Dichloropropane	0.200	0.235	-17.5	100	0.00
45	TMP	Tetrachloroethene	0.200	0.196	2.0	100	0.00
46	TMP	Dibromochloromethane	0.200	0.209	-4.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.200	0.0	100	0.00
48	TMP	Chlorobenzene	0.200	0.215	-7.5	100	0.00
49	TMP	Ethylbenzene	0.200	0.197	1.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.183	8.5	100	0.00
51	TMP	m,p-Xylene	0.400	0.391	2.3	100	0.00
52	TMP	o-Xylene	0.200	0.195	2.5	100	0.00
53	TMP	Styrene	0.200	0.198	1.0	100	0.00
54	TMP	Isopropylbenzene	0.200	0.215	-7.5	100	0.00
55	TMP	Bromoform	0.200	0.158	21.0#	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.075	-0.7	100	0.00
58	TMP	n-Propylbenzene	0.200	0.219	-9.5	100	0.00
59	TMP	Bromobenzene	0.200	0.210	-5.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.200	0.219	-9.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.227	-13.5	100	0.00
62	TMP	1,2,3-Trichloropropane	0.200	0.177	11.5	100	0.00
63	TMP	2-Chlorotoluene	0.200	0.230	-15.0	100	0.00
64	TMP	4-Chlorotoluene	0.200	0.207	-3.5	100	0.00
65	TMP	tert-Butylbenzene	0.200	0.210	-5.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.200	0.213	-6.5	100	0.00
67	TMP	sec-Butylbenzene	0.200	0.206	-3.0	100	0.00
68	TMP	p-Isopropyltoluene	0.200	0.211	-5.5	100	0.00
69	TMP	1,3-Dichlorobenzene	0.200	0.210	-5.0	100	0.00
70	TMP	1,4-Dichlorobenzene	0.200	0.228	-14.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.200	0.211	-5.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	0.200	0.214	-7.0	100	0.00
74 TMP	Hexachlorobutadiene	0.200	0.206	-3.0	100	0.00
75 TMP	Naphthalene	0.200	0.198	1.0	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.200	0.213	-6.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.278	-1.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.000#	100.0#	0#	-1.09#
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.799	0.764	4.4	100	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	-1.52#
8	TMP	Chloroethane	0.404	0.398	1.5	104	0.00
9	TMP	Trichlorofluoromethane	0.957	0.930	2.8	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.25#
12	TMP	1,1-Dichloroethene	0.273	0.264	3.3	97	0.00
13	TMP	Hexane	0.415	0.000#	100.0#	0#	-3.04#
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.729	3.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.295	6.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.984	-4.9	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.531	1.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.351	-6.4	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.453	-42.0#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.315	3.1	100	0.00
23	TMP	Chloroform	0.491	0.504	-2.6	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.170	-29.8#	97	0.02
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.751	-3.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.436	4.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.445	1.1	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.397	-6.7	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.360	7.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.058	1.7	100	0.00
31	TMP	Benzene	1.115	1.072	3.9	100	0.00
32	TMP	Trichloroethene	0.327	0.314	4.0	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.354	-23.3#	100	0.00
34	TMP	Bromodichloromethane	0.349	0.351	-0.6	100	0.00
35	S	Toluene-d8	0.962	0.963	-0.1	100	0.00
36	TMP	Dibromomethane	0.166	0.202	-21.7#	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.043	-4.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.370	6.1	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	1.103	-5.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.542	-17.3	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.257	-2.8	100	0.00
43	TMP	2-Hexanone	0.239	0.305	-27.6#	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.521	-17.3	100	0.00
45	TMP	Tetrachloroethene	0.421	0.395	6.2	100	0.00
46	TMP	Dibromochloromethane	0.337	0.352	-4.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.313	0.3	100	0.00
48	TMP	Chlorobenzene	0.977	1.052	-7.7	100	0.00
49	TMP	Ethylbenzene	1.708	1.655	3.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.321	8.8	100	0.00
51	TMP	m,p-Xylene	0.670	0.643	4.0	100	0.00
52	TMP	o-Xylene	0.661	0.634	4.1	100	0.00
53	TMP	Styrene	0.990	0.978	1.2	100	0.00
54	TMP	Isopropylbenzene	1.609	1.732	-7.6	100	0.00
55	TMP	Bromoform	0.228	0.180	21.1#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.832	-0.7	100	0.00
58	TMP	n-Propylbenzene	3.181	3.476	-9.3	100	0.00
59	TMP	Bromobenzene	0.791	0.831	-5.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.582	-9.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.736	-13.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.402#	11.6	100	0.00
63	TMP	2-Chlorotoluene	1.884	2.170	-15.2	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.256	-3.5	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.211	-5.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.585	-6.5	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.177	-3.2	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.801	-5.3	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.559	-4.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.653	-14.1	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.536	-5.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.000#	100.0#	0#	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

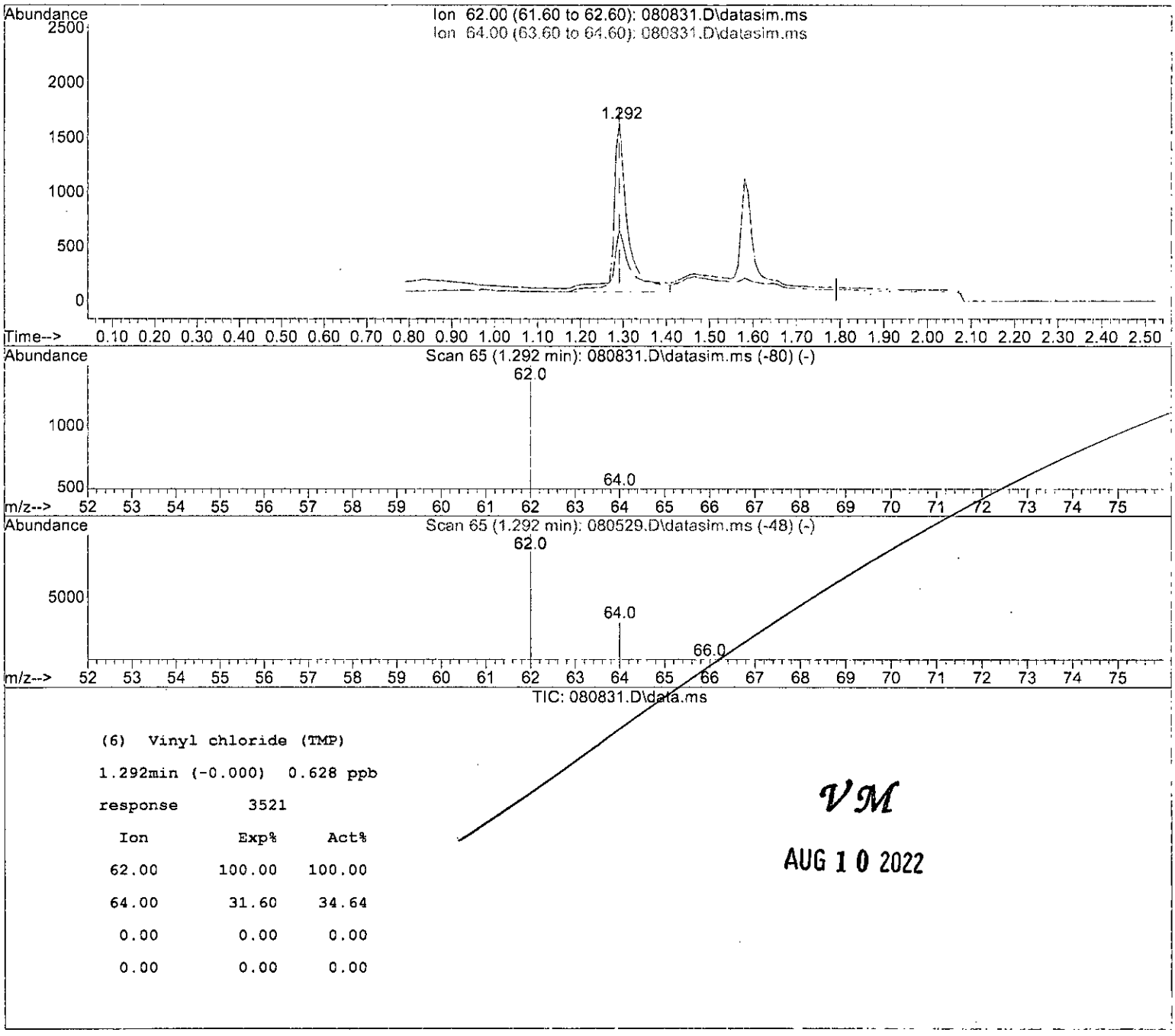
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.177	-6.9	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.625	-3.0	100	0.00
75 TMP	Naphthalene	2.108	2.085	1.1	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.049	-6.4	100	0.00

(#) = Out of Range SPCC's out = 10 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.628 ppb

response 3521

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	34.64
0.00	0.00	0.00
0.00	0.00	0.00

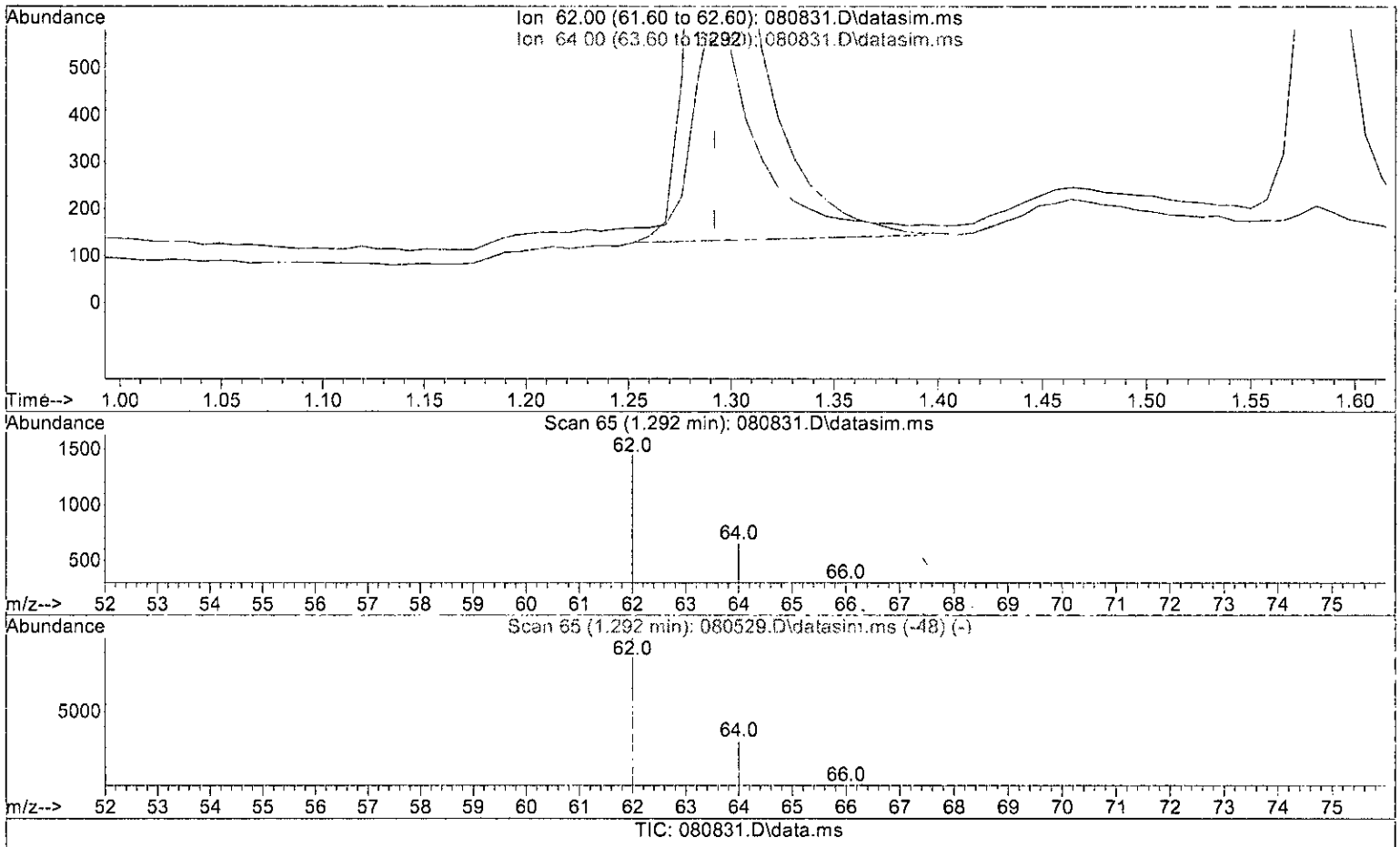
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.508 ppb m

response 2848

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	39.76
0.00	0.00	0.00
0.00	0.00	0.00

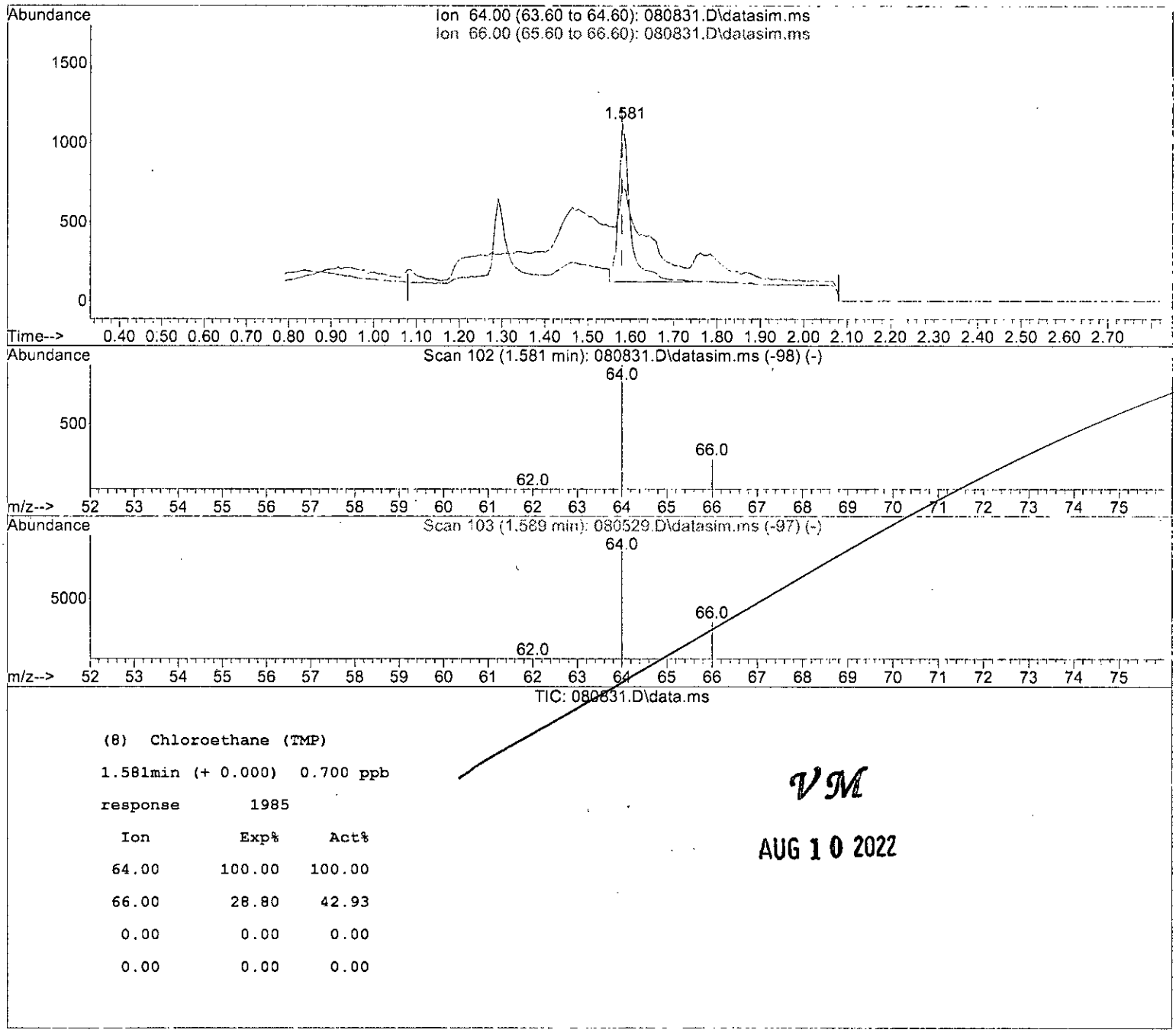
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(8) Chloroethane (TMP)

1.581min (+ 0.000) 0.700 ppb

response 1985

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	42.93
0.00	0.00	0.00
0.00	0.00	0.00

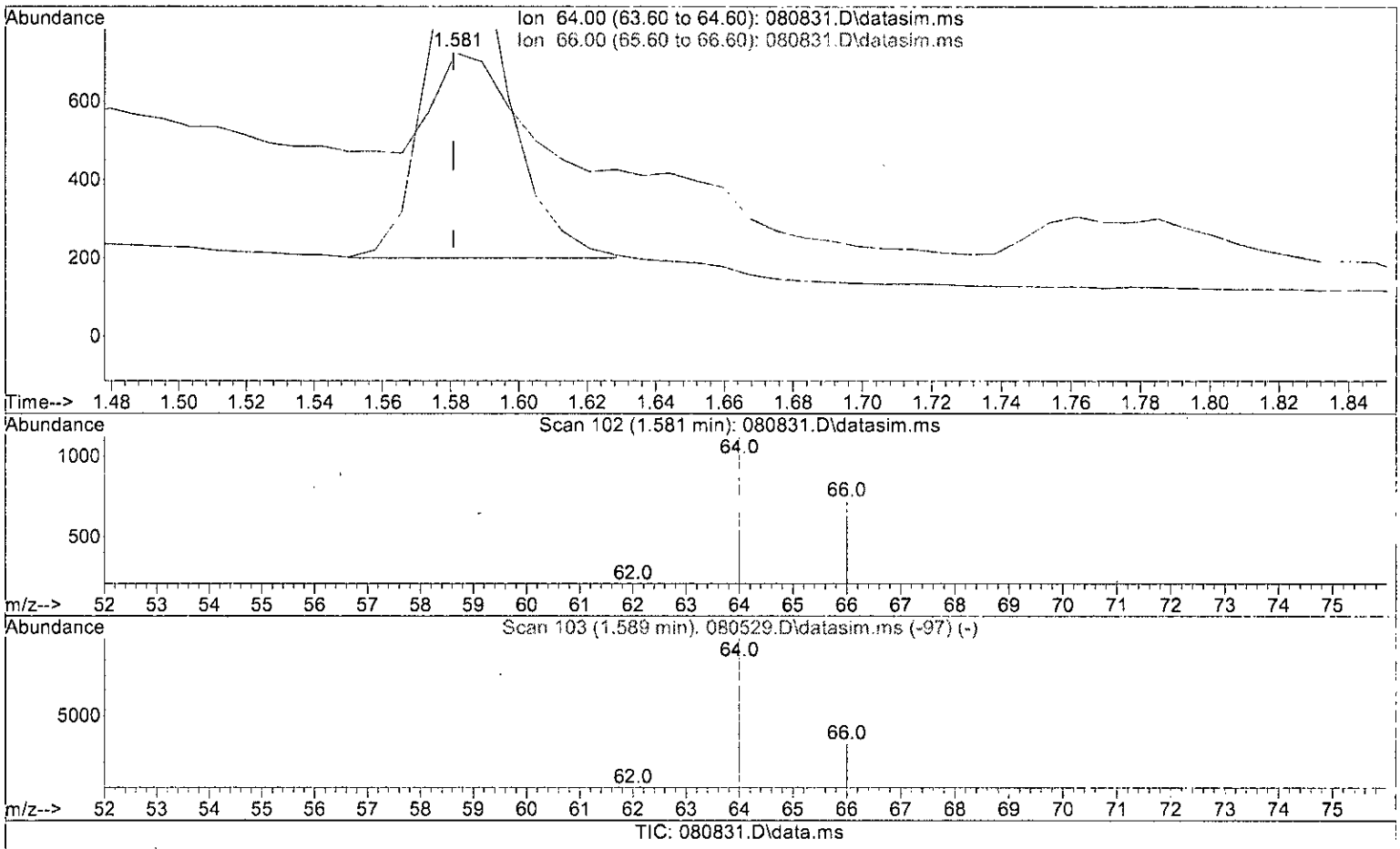
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(8) Chloroethane (TMP)

1.581min (+ 0.000) 0.503 ppb m

response 1426

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	64.15#
0.00	0.00	0.00
0.00	0.00	0.00

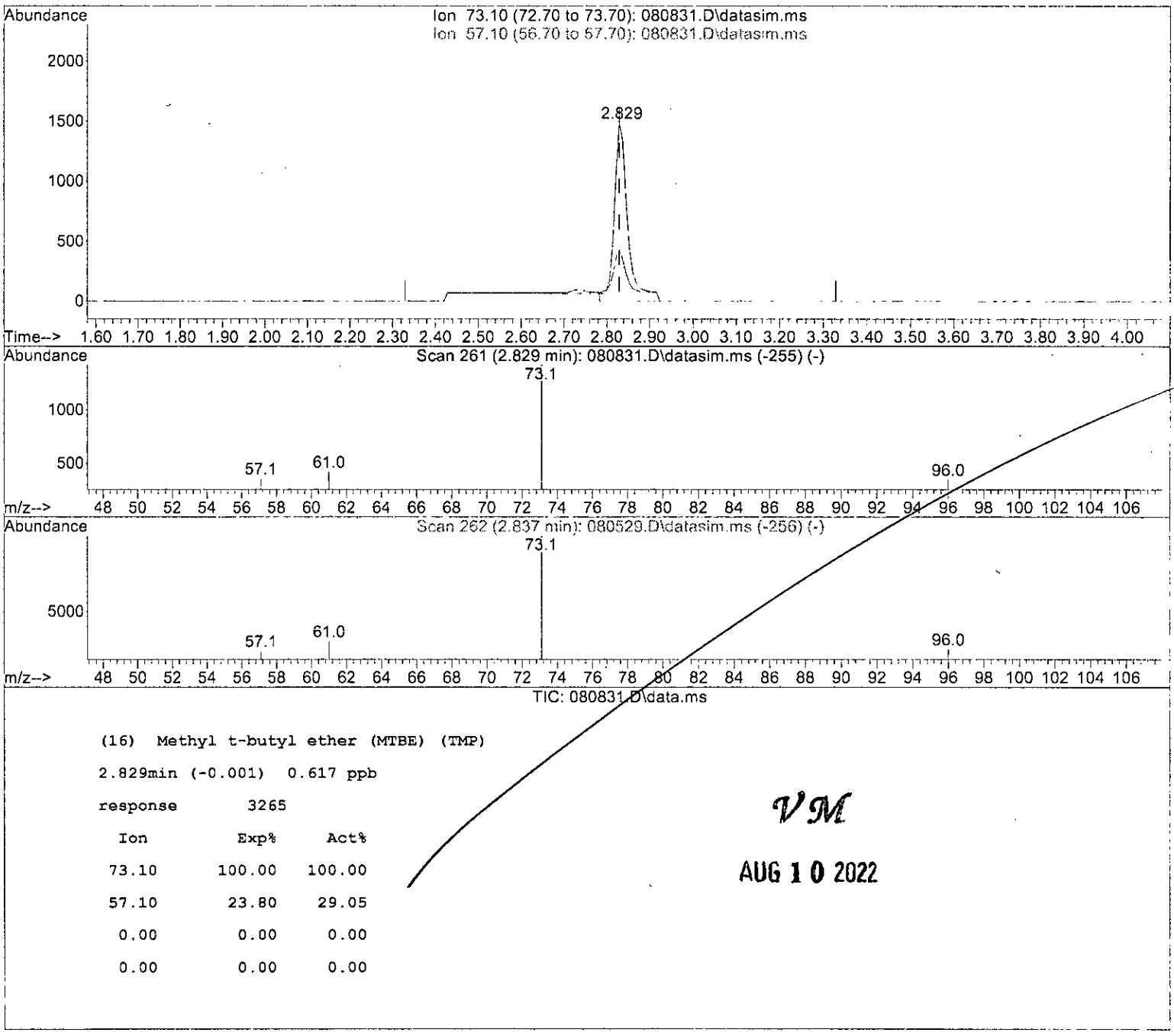
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.001) 0.617 ppb

response 3265

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	29.05
0.00	0.00	0.00
0.00	0.00	0.00

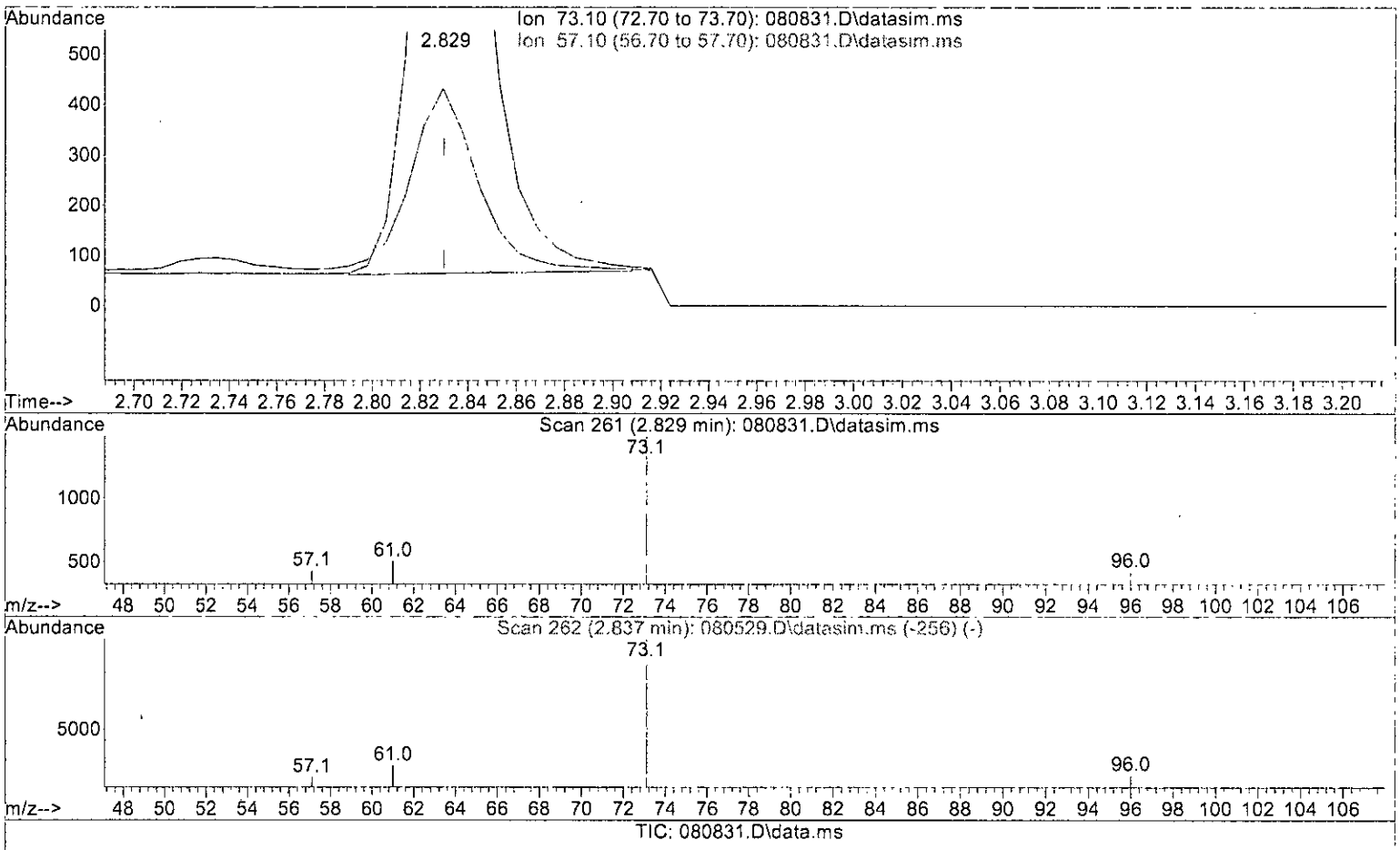
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.001) 0.516 ppb m

response 2732

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	29.05
0.00	0.00	0.00
0.00	0.00	0.00

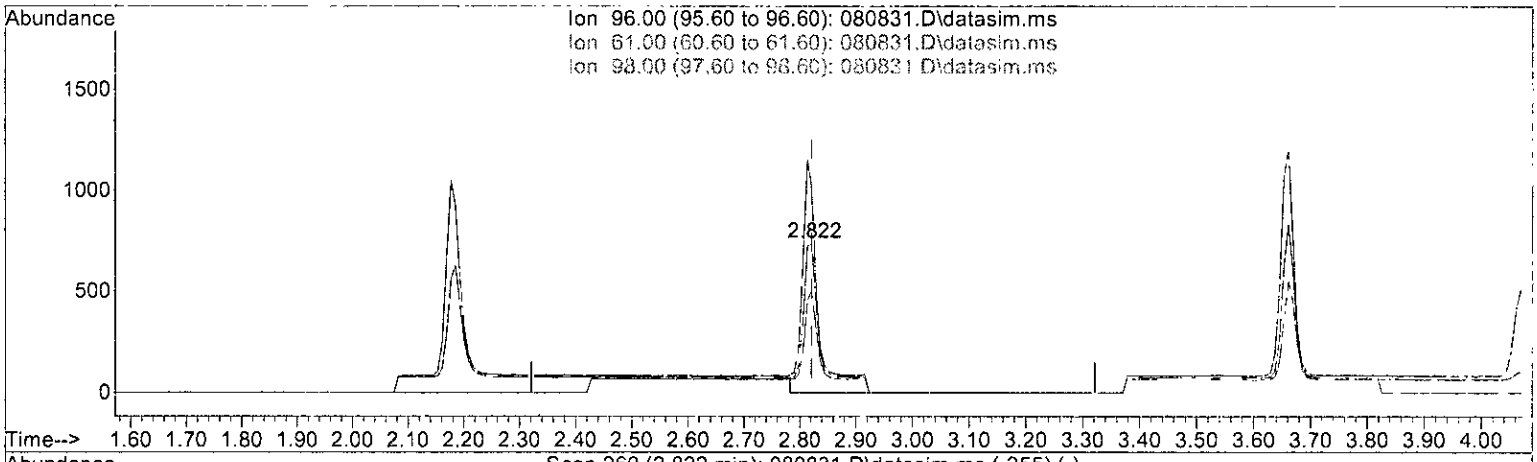
VM

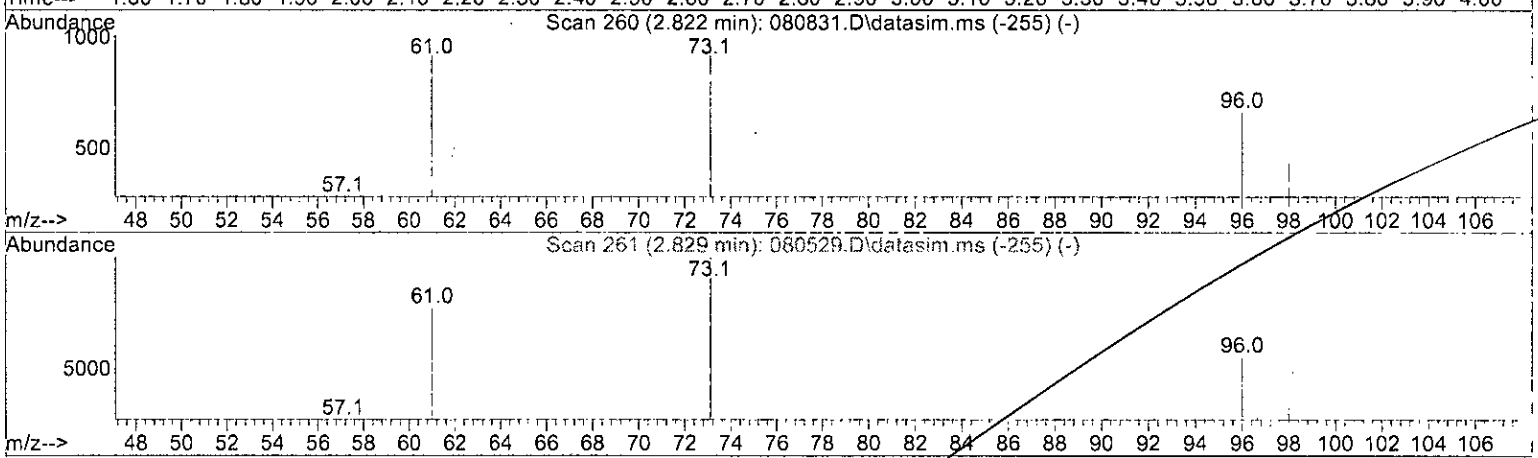
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080831.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.000) 0.806 ppb

response 1657

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	136.54
98.00	65.50	69.15
0.00	0.00	0.00

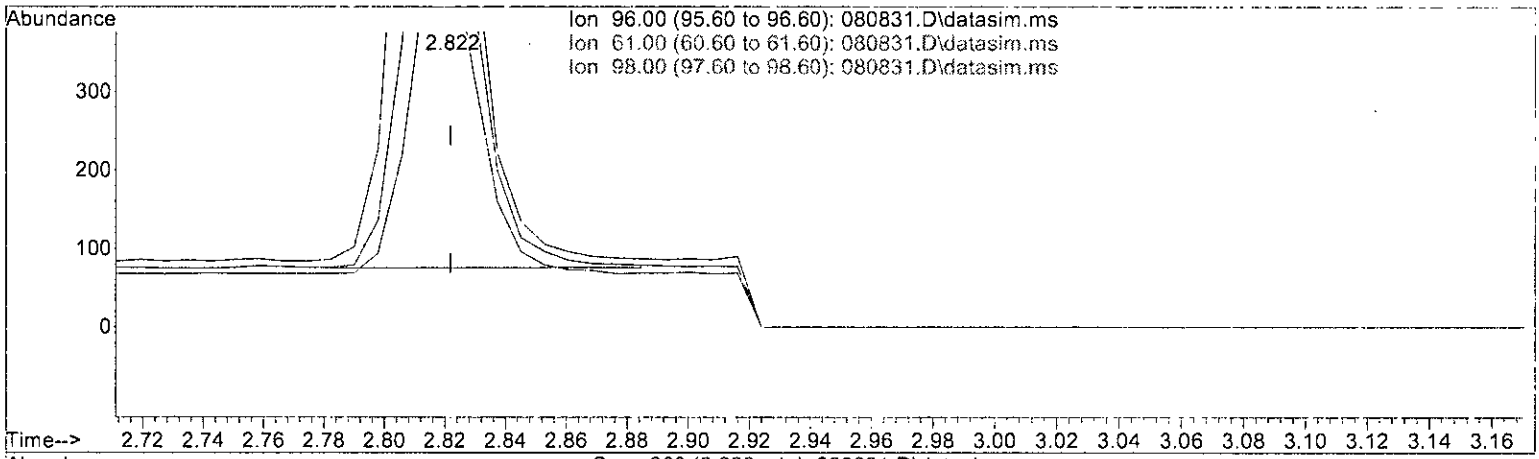
VM

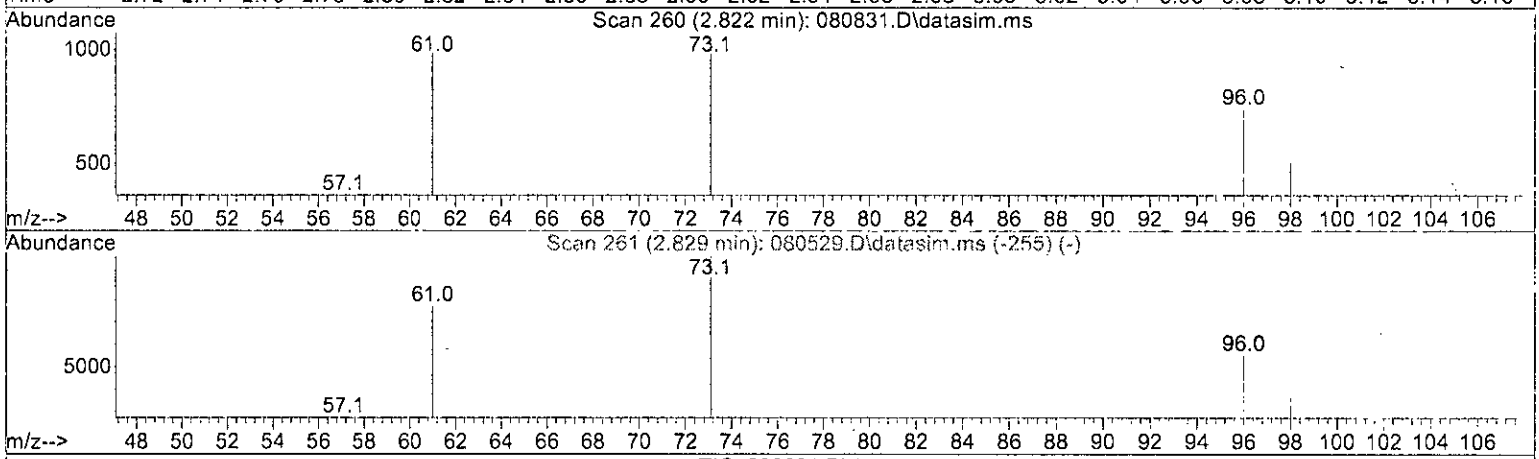
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080831.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.000) 0.505 ppb m

response 1048

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	136.54
98.00	65.50	69.15
0.00	0.00	0.00

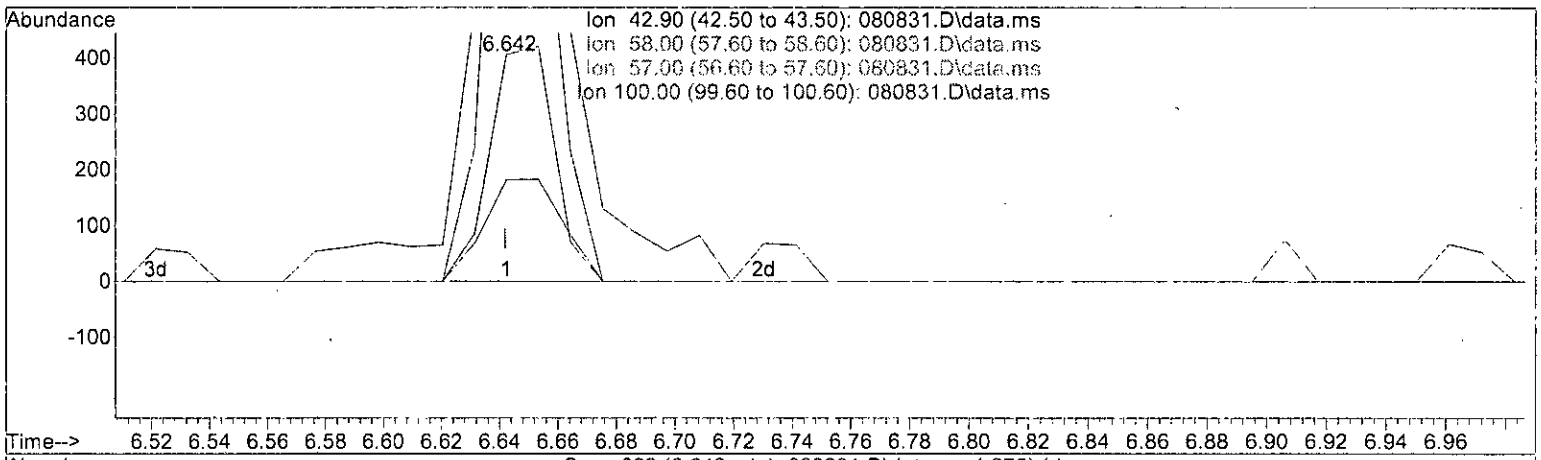
VM

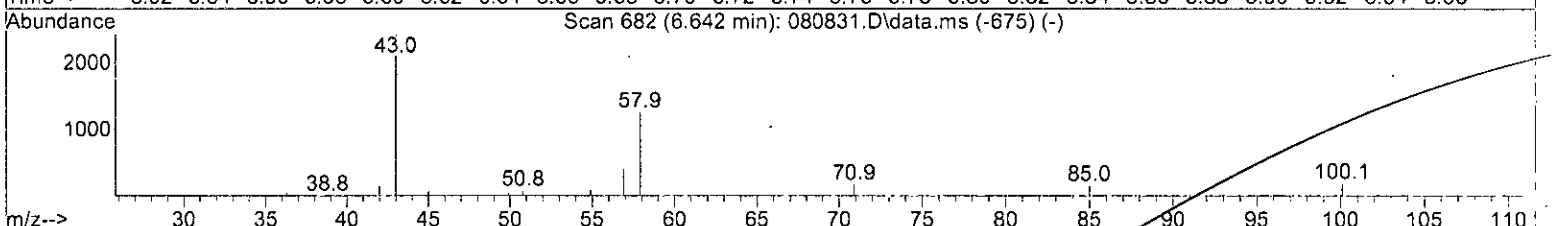
AUG 10 2022

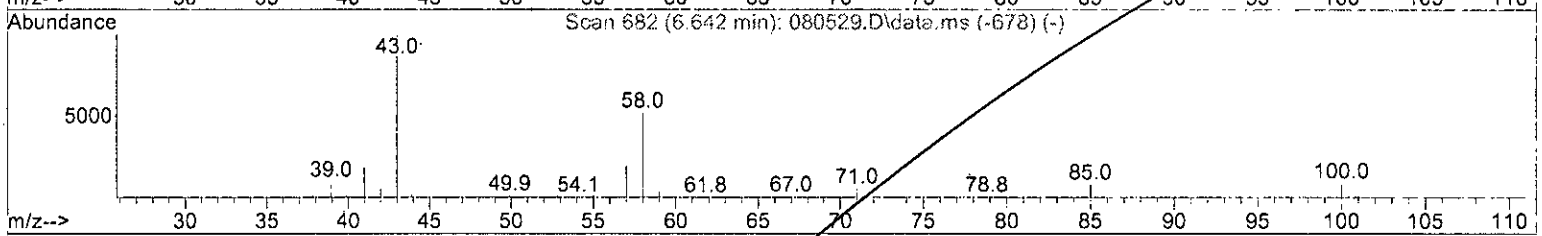
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080831.D\data.ms

(43) 2-Hexanone (TMP)

6.642min (+ 0.000) 2.844 ppb

response 3751

Ion	Exp%	Act%
42.90	100.00	100.00
58.00	53.70	51.37
57.00	18.00	16.63
100.00	10.00	7.46

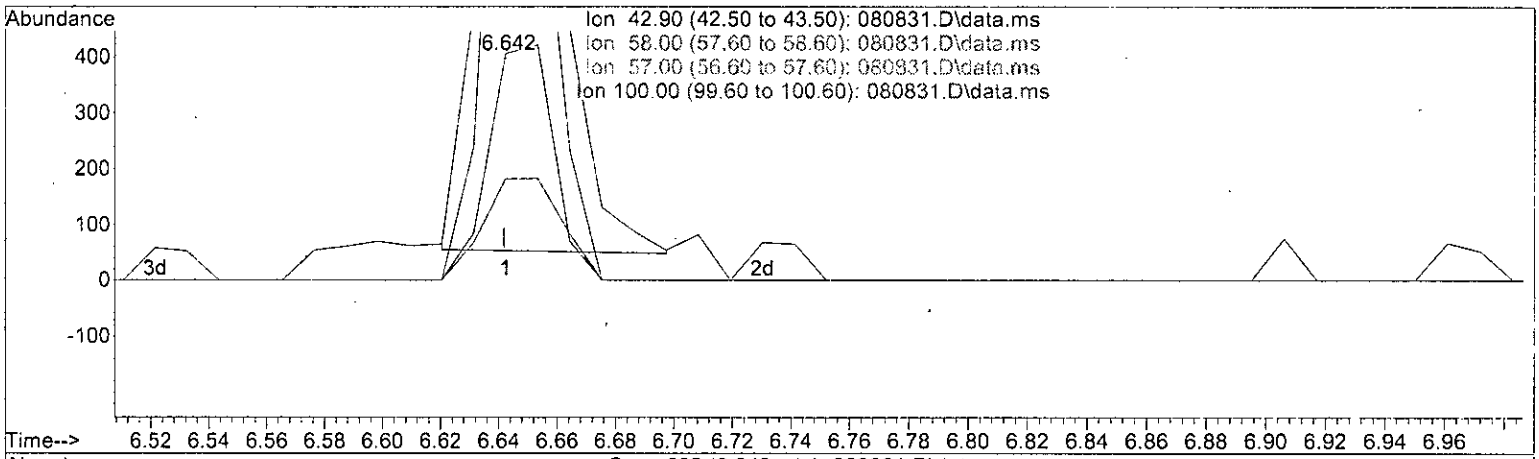
VM

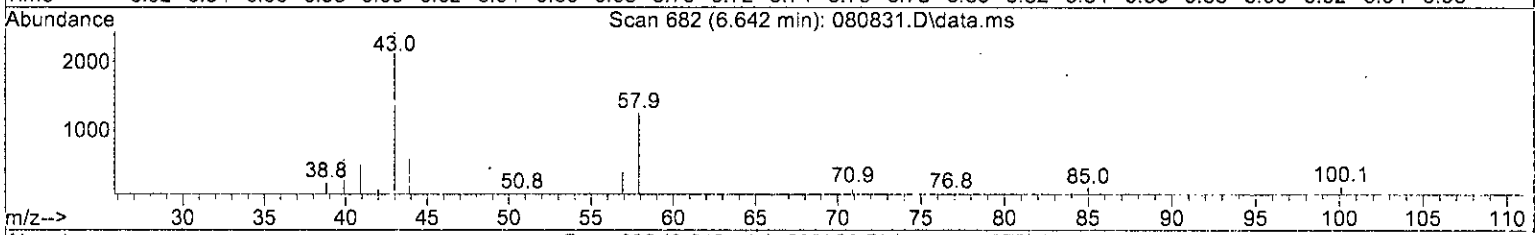
AUG 10 2022

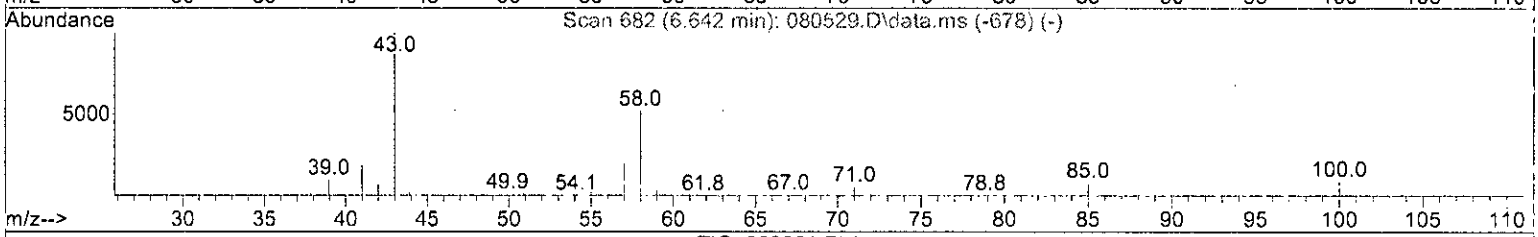
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080831.D\data.ms

(43) 2-Hexanone (TMP)

6.642min (+ 0.000) 2.468 ppb m

response 3255

Ion	Exp%	Act%
42.90	100.00	100.00
58.00	53.70	51.37
57.00	18.00	16.63
100.00	10.00	7.46

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.62	96	70227	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	55215	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31503	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	19286	10.029 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.30%		
30) 1,2-Dichloroethane-d4	4.35	102	4256	10.221 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 102.20%		
35) Toluene-d8	5.98	98	66812	9.892 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 98.90%		
57) 4-Bromofluorobenzene	8.38	95	26722	10.266 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 102.70%		
Target Compounds					Qvalue
2) Ethanol	1.87	45	53	No Calib	
4) Dichlorodifluoromethane	1.08	85	2887	0.501 ppb	95
5) Chloromethane	0.00		0	N.D. d	
6] Vinyl chloride	1.29	62	2848m	0.508 ppb	
7) Bromomethane	0.00		0	N.D. d	
8] Chloroethane	1.58	64	1426m	0.503 ppb	
9) Trichlorofluoromethane	1.77	101	3353	0.499 ppb	84
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	0.00		0	N.D. d	
12] 1,1-Dichloroethene	2.18	96	961	0.502 ppb	95
13) Hexane	0.00		0	N.D. d	
14) Methylene chloride	0.00		0	N.D. d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D. d	
16] Methyl t-butyl ether (...	2.83	73	2732m	0.516 ppb	
17] trans-1,2-Dichloroethene	2.82	96	1048m	0.505 ppb	
18) Diisopropyl ether (DIPE)	3.24	45	3363	0.510 ppb	97
19] 1,1-Dichloroethane	3.17	63	1927	0.507 ppb	99
20) Ethyl t-butyl ether (E...	3.55	87	1147	0.496 ppb	92
21) 2,2-Dichloropropane	3.66	77	1507	0.595 ppb	85
22] cis-1,2-Dichloroethene	3.66	96	1109	0.506 ppb	99
23) Chloroform	3.94	83	1875	0.544 ppb	100
24) 2-Butanone (MEK)	3.70	43	2572	2.557 ppb	88
25) t-Amyl methyl ether (T...	4.49	73	2420	0.476 ppb	96
26] 1,2-Dichloroethane (EDC)	4.41	62	1498	0.521 ppb	100
27] 1,1,1-Trichloroethane	4.07	97	1596	0.505 ppb	99

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) 1,1-Dichloropropene	4.21	75	1379	0.528	ppb		94
29) Carbon tetrachloride	4.21	117	1624	0.592	ppb		71
31] Benzene	4.38	78	3906	0.516	ppb		99
32] Trichloroethene	4.93	95	1109	0.507	ppb		99
33) 1,2-Dichloropropane	5.13	63	1066	0.528	ppb	#	87
34) Bromodichloromethane	5.37	83	1450	0.592	ppb		89
36) Dibromomethane	5.22	93	633	0.543	ppb		77
37) 4-Methyl-2-pentanone	5.91	85	732	2.558	ppb		87
38) cis-1,3-Dichloropropene	5.75	75	1332	0.482	ppb	#	54
40] Toluene	6.03	92	2650	0.496	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	1343	0.526	ppb		91
42] 1,1,2-Trichloroethane	6.40	83	716	0.518	ppb		99
43) 2-Hexanone	6.64	43	3255m	2.468	ppb		
44) 1,3-Dichloropropane	6.55	76	1280	0.522	ppb		99
45] Tetrachloroethene	6.51	164	1043	0.512	ppb		98
46) Dibromochloromethane	6.76	129	852	0.458	ppb		91
47] 1,2-Dibromoethane (EDB)	6.85	107	866	0.500	ppb		100
48) Chlorobenzene	7.30	112	2722	0.505	ppb		93
49] Ethylbenzene	7.40	91	4581	0.509	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.38	131	981	0.505	ppb		89
51] m,p-Xylene	7.52	106	3542	1.011	ppb		98
52] o-Xylene	7.88	106	1744	0.502	ppb		99
53) Styrene	7.90	104	2812	0.515	ppb		98
54) Isopropylbenzene	8.23	105	4567	0.514	ppb		99
55) Bromoform	8.07	173	575	0.456	ppb		94
58) n-Propylbenzene	8.63	91	5249	0.524	ppb		94
59) Bromobenzene	8.52	156	1378	0.553	ppb		89
60) 1,3,5-Trimethylbenzene	8.80	105	3904	0.526	ppb		95
61) 1,1,2,2-Tetrachloroethane	8.54	83	993	0.486	ppb		79
62) 1,2,3-Trichloropropane	8.57	75	762	0.531	ppb		79
63) 2-Chlorotoluene	8.70	91	3078	0.519	ppb		93
64) 4-Chlorotoluene	8.81	91	3489	0.508	ppb		98
65) tert-Butylbenzene	9.11	119	3286	0.495	ppb		83
66) 1,2,4-Trimethylbenzene	9.16	105	3948	0.516	ppb		99
67) sec-Butylbenzene	9.32	105	4937	0.509	ppb		96
68) p-Isopropyltoluene	9.47	119	4098	0.489	ppb		94
69) 1,3-Dichlorobenzene	9.42	146	2370	0.506	ppb		91
70) 1,4-Dichlorobenzene	9.51	146	2467	0.540	ppb		97
71) 1,2-Dichlorobenzene	9.87	146	2468	0.539	ppb		98
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.44	180	1782	0.514	ppb		93

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

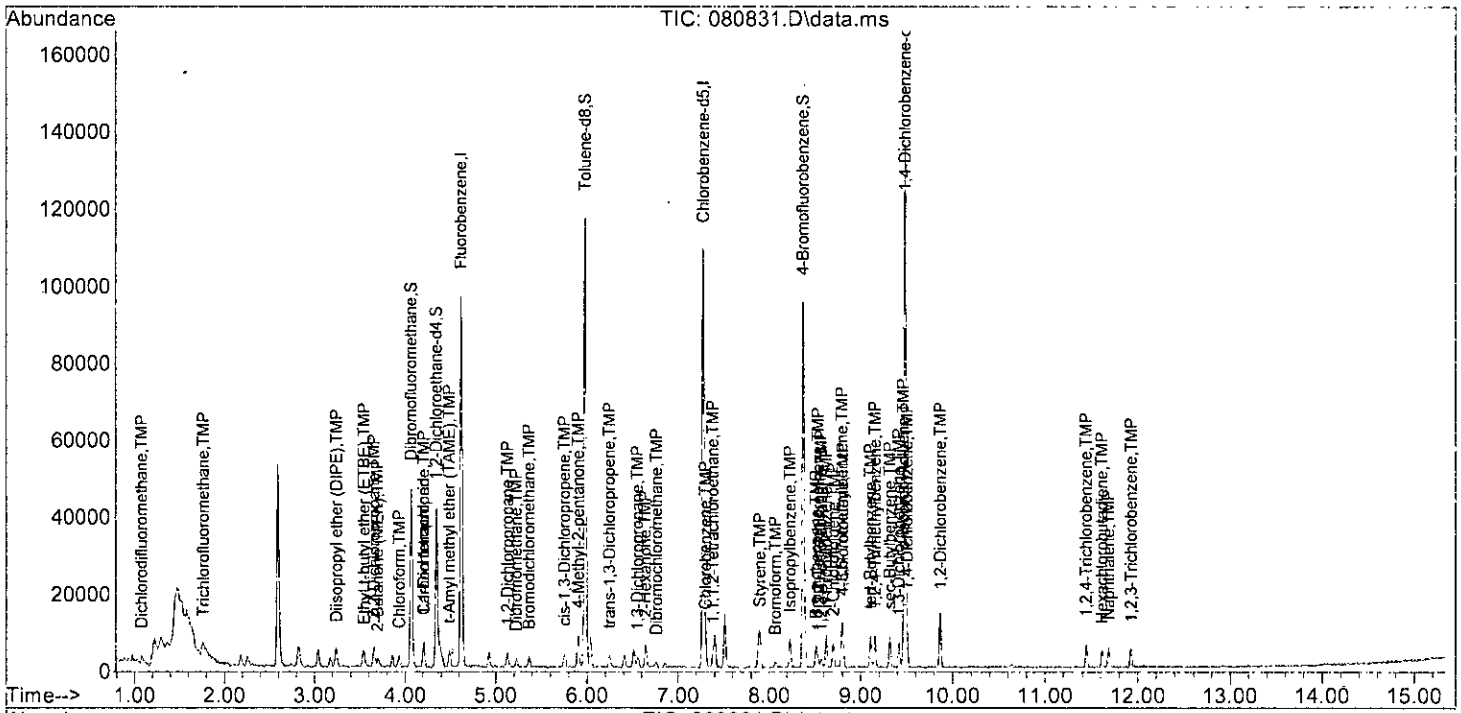
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	942	0.493	ppb	95
75) Naphthalene	11.69	128	3360	0.506	ppb	97
76) 1,2,3-Trichlorobenzene	11.93	180	1602	0.516	ppb	85

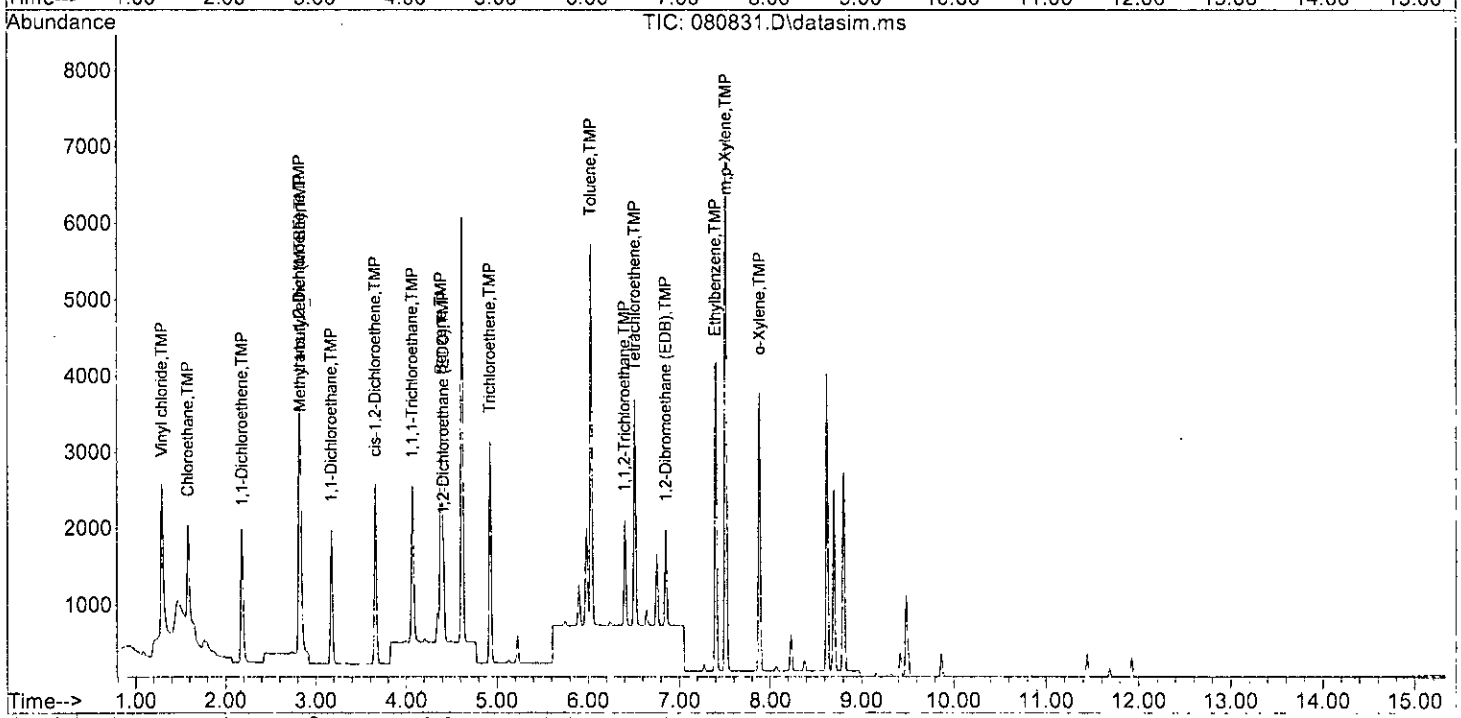
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.029	-0.3	100	0.00
4	TMP	Dichlorodifluoromethane	0.500	0.501	-0.2	93	0.00
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.500	0.508	-1.6	98	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8	TMP	Chloroethane	0.500	0.503	-0.6	100	0.00
9	TMP	Trichlorofluoromethane	0.500	0.499	0.2	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.25#
12	TMP	1,1-Dichloroethene	0.500	0.502	-0.4	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.04#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.516	-3.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.500	0.505	-1.0	96	0.00
18	TMP	Diisopropyl ether (DIPE)	0.500	0.510	-2.0	100	0.00
19	TMP	1,1-Dichloroethane	0.500	0.507	-1.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.496	0.8	100	0.00
21	TMP	2,2-Dichloropropane	0.500	0.595	-19.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.500	0.506	-1.2	100	0.00
23	TMP	Chloroform	0.500	0.544	-8.8	100	0.00
24	TMP	2-Butanone (MEK)	2.500	2.557	-2.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.476	4.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.521	-4.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.500	0.505	-1.0	100	0.00
28	TMP	1,1-Dichloropropene	0.500	0.528	-5.6	100	0.00
29	TMP	Carbon tetrachloride	0.500	0.592	-18.4	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.221	-2.2	100	0.00
31	TMP	Benzene	0.500	0.516	-3.2	100	0.00
32	TMP	Trichloroethene	0.500	0.507	-1.4	100	0.00
33	TMP	1,2-Dichloropropane	0.500	0.528	-5.6	100	0.00
34	TMP	Bromodichloromethane	0.500	0.592	-18.4	100	0.00
35	S	Toluene-d8	10.000	9.892	1.1	100	0.00
36	TMP	Dibromomethane	0.500	0.543	-8.6	100	0.00
37	TMP	4-Methyl-2-pentanone	2.500	2.558	-2.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.500	0.482	3.6	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.496	0.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.500	0.526	-5.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.500	0.518	-3.6	100	0.00
43	TMP	2-Hexanone	2.500	2.468	1.3	101	0.00
44	TMP	1,3-Dichloropropane	0.500	0.522	-4.4	100	0.00
45	TMP	Tetrachloroethene	0.500	0.512	-2.4	100	0.00
46	TMP	Dibromochloromethane	0.500	0.458	8.4	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.500	0.0	100	0.00
48	TMP	Chlorobenzene	0.500	0.505	-1.0	100	0.00
49	TMP	Ethylbenzene	0.500	0.509	-1.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.505	-1.0	100	0.00
51	TMP	m,p-Xylene	1.000	1.011	-1.1	100	0.00
52	TMP	o-Xylene	0.500	0.502	-0.4	100	0.00
53	TMP	Styrene	0.500	0.515	-3.0	100	0.00
54	TMP	Isopropylbenzene	0.500	0.514	-2.8	100	0.00
55	TMP	Bromoform	0.500	0.456	8.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.266	-2.7	100	0.00
58	TMP	n-Propylbenzene	0.500	0.524	-4.8	100	0.00
59	TMP	Bromobenzene	0.500	0.553	-10.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.500	0.526	-5.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.486	2.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.500	0.531	-6.2	100	0.00
63	TMP	2-Chlorotoluene	0.500	0.519	-3.8	100	0.00
64	TMP	4-Chlorotoluene	0.500	0.508	-1.6	100	0.00
65	TMP	tert-Butylbenzene	0.500	0.495	1.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.500	0.516	-3.2	100	0.00
67	TMP	sec-Butylbenzene	0.500	0.509	-1.8	100	0.00
68	TMP	p-Isopropyltoluene	0.500	0.489	2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	0.500	0.506	-1.2	100	0.00
70	TMP	1,4-Dichlorobenzene	0.500	0.540	-8.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.500	0.539	-7.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	0.500	0.514	-2.8	100	0.00
74 TMP	Hexachlorobutadiene	0.500	0.493	1.4	100	0.00
75 TMP	Naphthalene	0.500	0.506	-1.2	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.500	0.516	-3.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.274	0.275	-0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.822	-0.2	93	0.00
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.799	0.811	-1.5	98	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	-1.52#
8	TMP	Chloroethane	0.404	0.406	-0.5	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.955	0.2	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.25#
12	TMP	1,1-Dichloroethene	0.273	0.274	-0.4	100	0.00
13	TMP	Hexane	0.415	0.000#	100.0#	0#	-3.04#
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.778	-3.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.298	5.4	96	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.958	-2.1	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.549	-1.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.327	0.9	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.429	-34.5#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.316	2.8	100	0.00
23	TMP	Chloroform	0.491	0.534	-8.8	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.146	-11.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.689	4.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.427	6.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.455	-1.1	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.393	-5.6	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.463	-18.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.061	-3.4	100	0.00
31	TMP	Benzene	1.115	1.112	0.3	100	0.00
32	TMP	Trichloroethene	0.327	0.316	3.4	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.304	-5.9	100	0.00
34	TMP	Bromodichloromethane	0.349	0.413	-18.3	100	0.00
35	S	Toluene-d8	0.962	0.951	1.1	100	0.00
36	TMP	Dibromomethane	0.166	0.180	-8.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.042	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.379	3.8	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.960	8.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.486	-5.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.259	-3.6	100	0.00
43	TMP	2-Hexanone	0.239	0.236	1.3	101	0.00
44	TMP	1,3-Dichloropropane	0.444	0.464	-4.5	100	0.00
45	TMP	Tetrachloroethene	0.421	0.378	10.2	100	0.00
46	TMP	Dibromochloromethane	0.337	0.309	8.3	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.314	0.0	100	0.00
48	TMP	Chlorobenzene	0.977	0.986	-0.9	100	0.00
49	TMP	Ethylbenzene	1.708	1.659	2.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.355	-0.9	100	0.00
51	TMP	m,p-Xylene	0.670	0.641	4.3	100	0.00
52	TMP	o-Xylene	0.661	0.632	4.4	100	0.00
53	TMP	Styrene	0.990	1.019	-2.9	100	0.00
54	TMP	Isopropylbenzene	1.609	1.654	-2.8	100	0.00
55	TMP	Bromoform	0.228	0.208	8.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.848	-2.7	100	0.00
58	TMP	n-Propylbenzene	3.181	3.332	-4.7	100	0.00
59	TMP	Bromobenzene	0.791	0.875	-10.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.478	-5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.630	2.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.484#	-6.4	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.954	-3.7	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.215	-1.7	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.086	0.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.506	-3.3	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.134	-1.9	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.602	2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.505	-1.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.566	-8.1	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.567	-7.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.000#	100.0#	0#	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

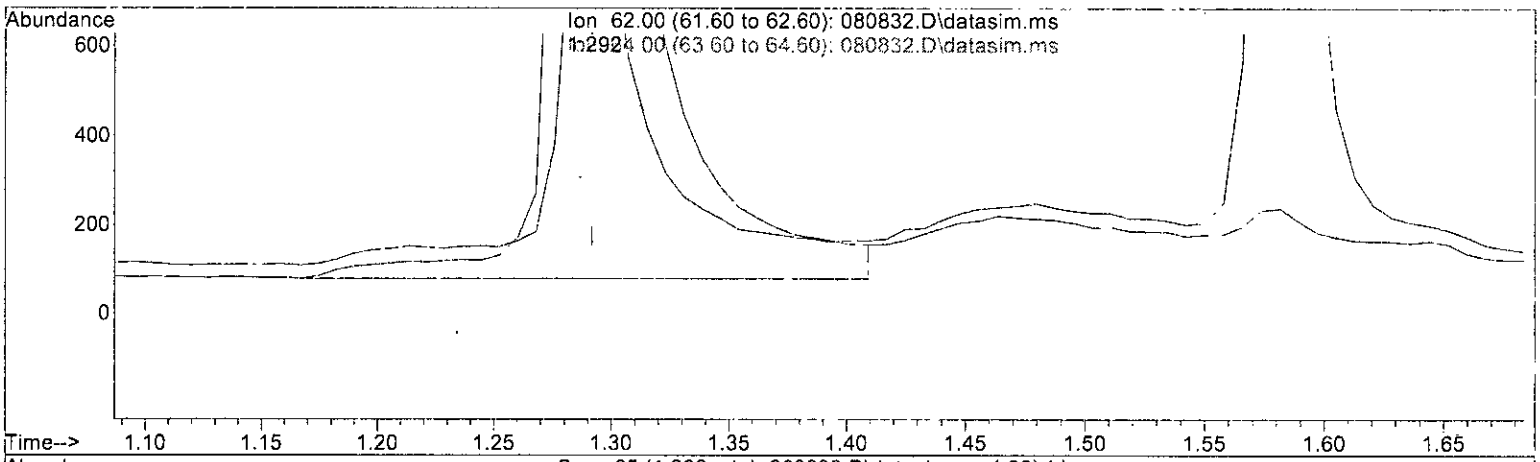
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.131	-2.7	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.598	1.5	100	0.00
75 TMP	Naphthalene	2.108	2.133	-1.2	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.017	-3.1	100	0.00

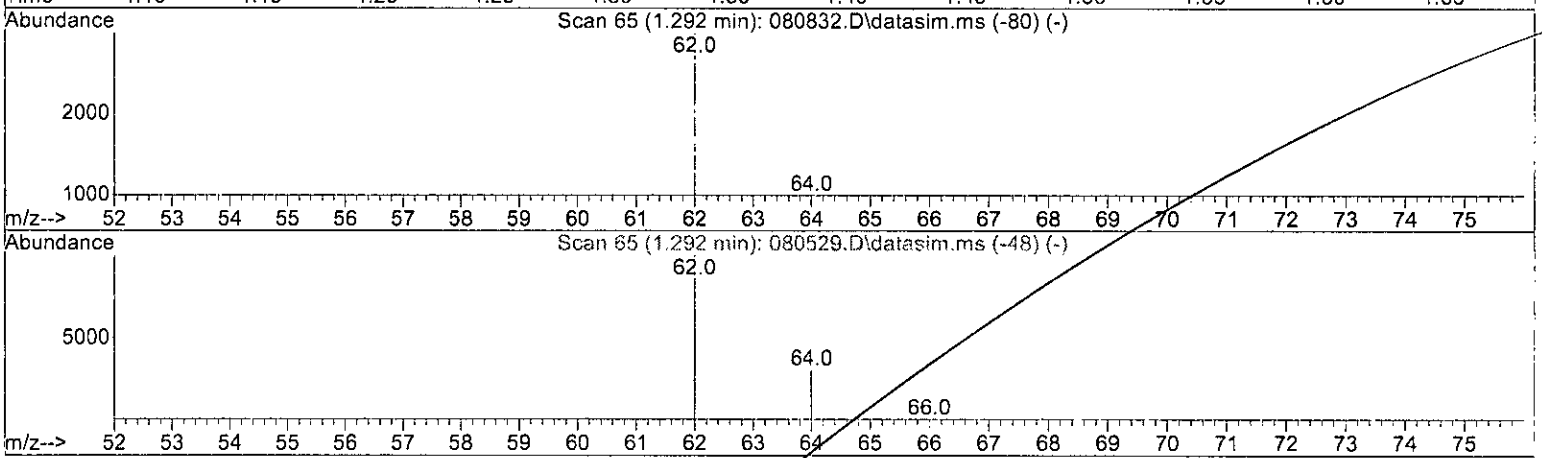
(#) = Out of Range SPCC's out = 9 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080832.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 1.208 ppb

response 6635

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	34.24
0.00	0.00	0.00
0.00	0.00	0.00

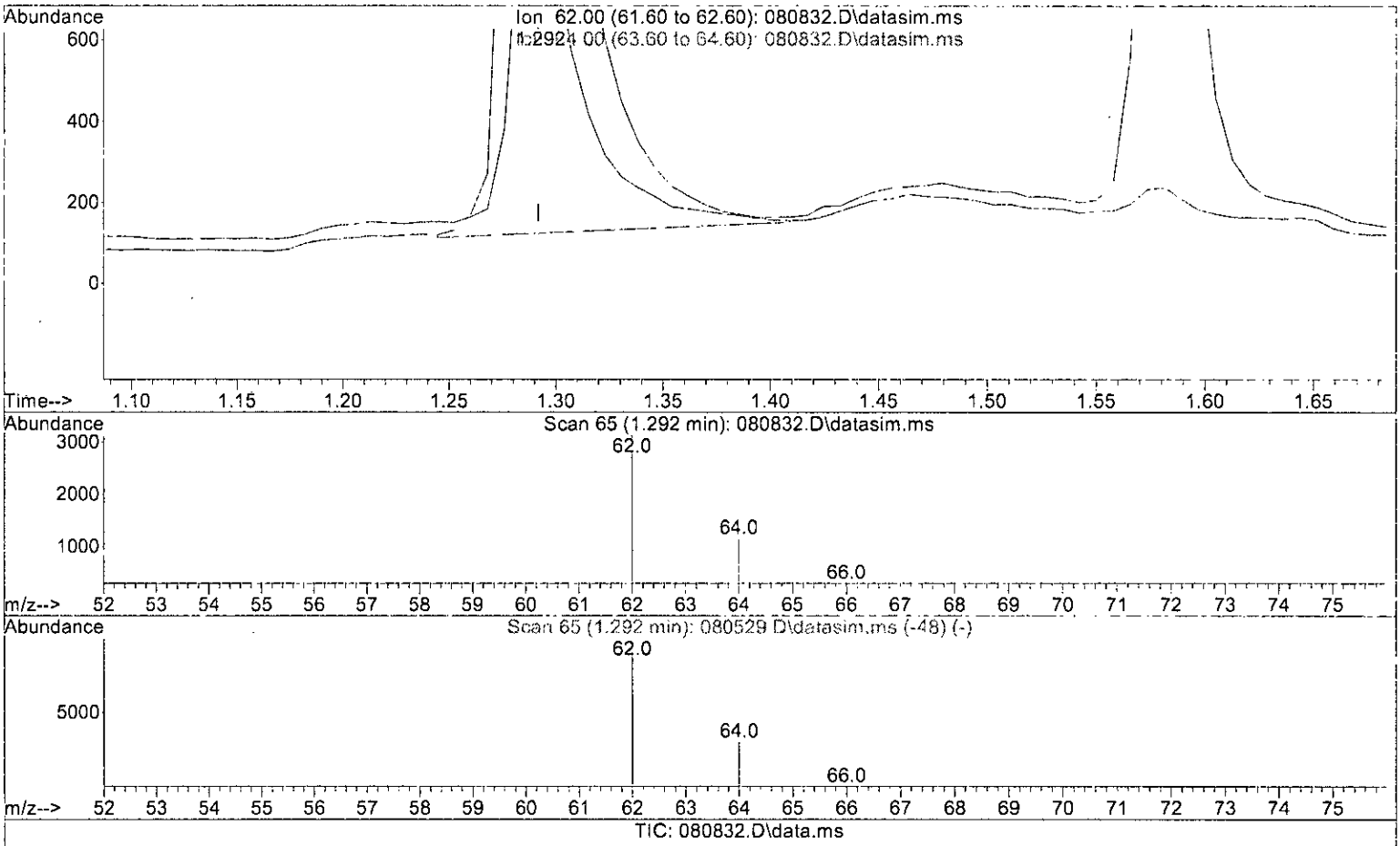
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080832.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 1.086 ppb m

response 5965

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	36.86
0.00	0.00	0.00
0.00	0.00	0.00

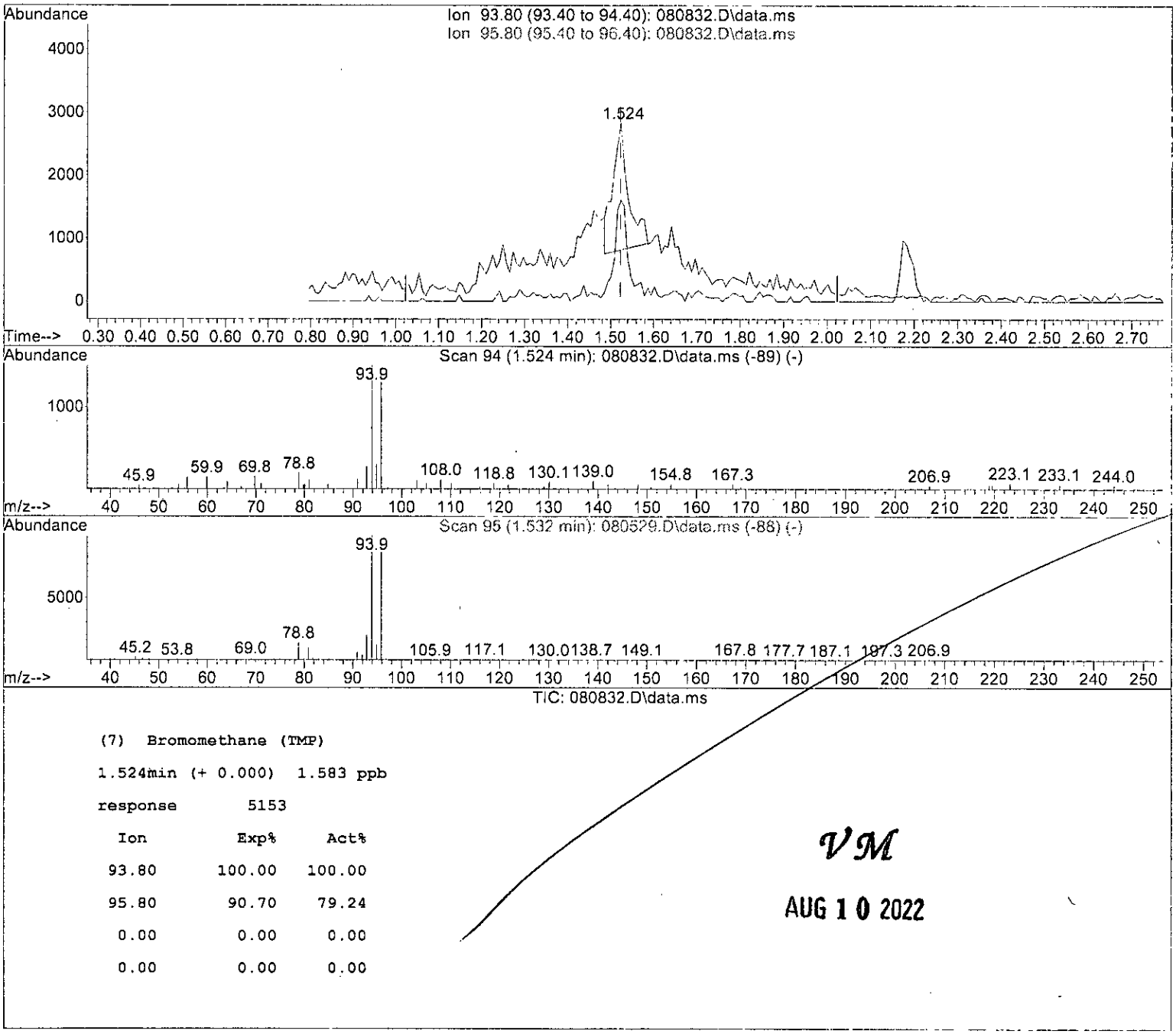
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080832.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 1.583 ppb

response 5153

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	79.24
0.00	0.00	0.00
0.00	0.00	0.00

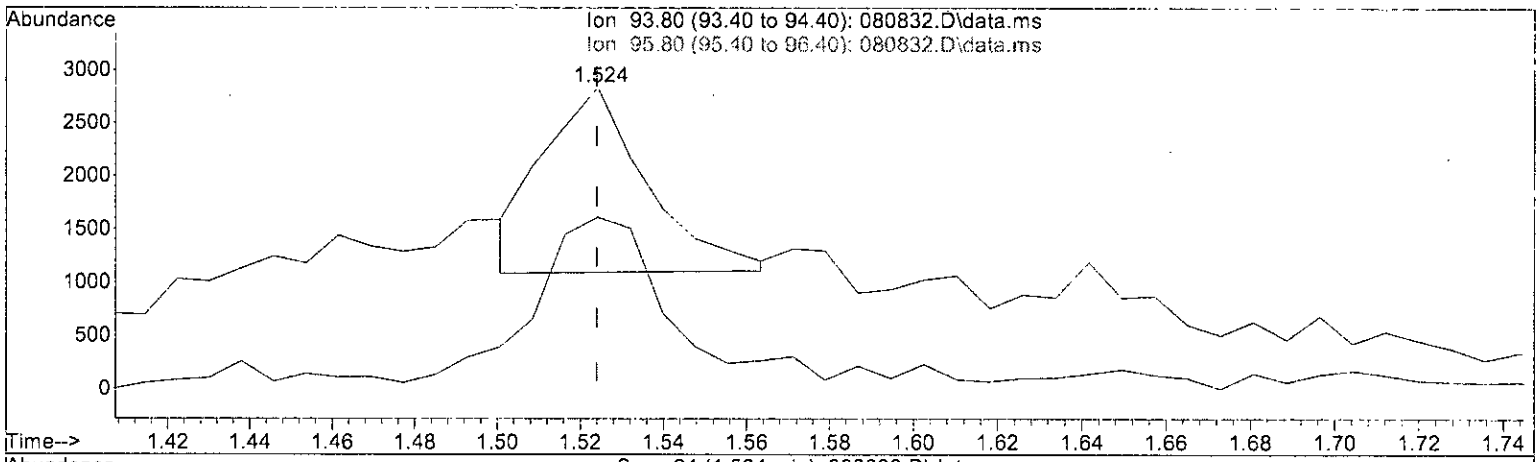
VM

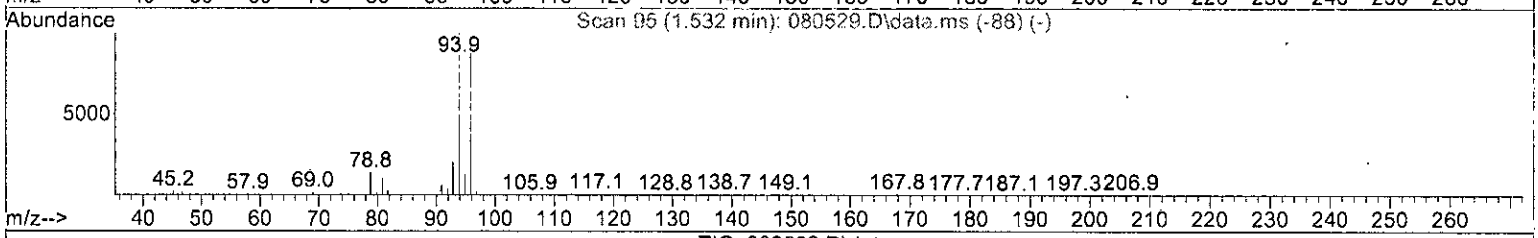
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080832.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 0.924 ppb m

response 3006

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	56.68#
0.00	0.00	0.00
0.00	0.00	0.00

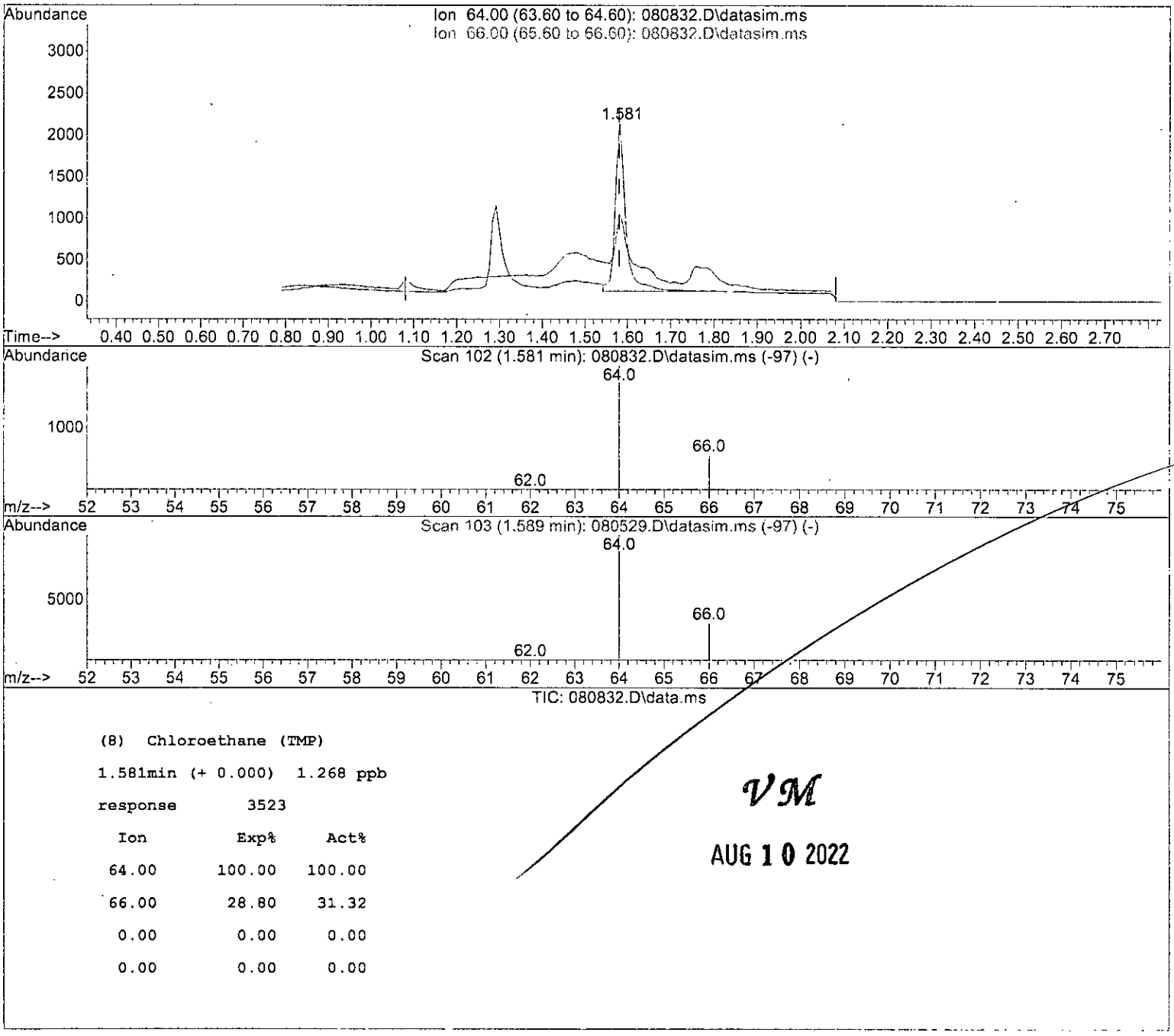
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



(8) Chloroethane (TMP)

1.581min (+ 0.000) 1.268 ppb

response 3523

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	31.32
0.00	0.00	0.00
0.00	0.00	0.00

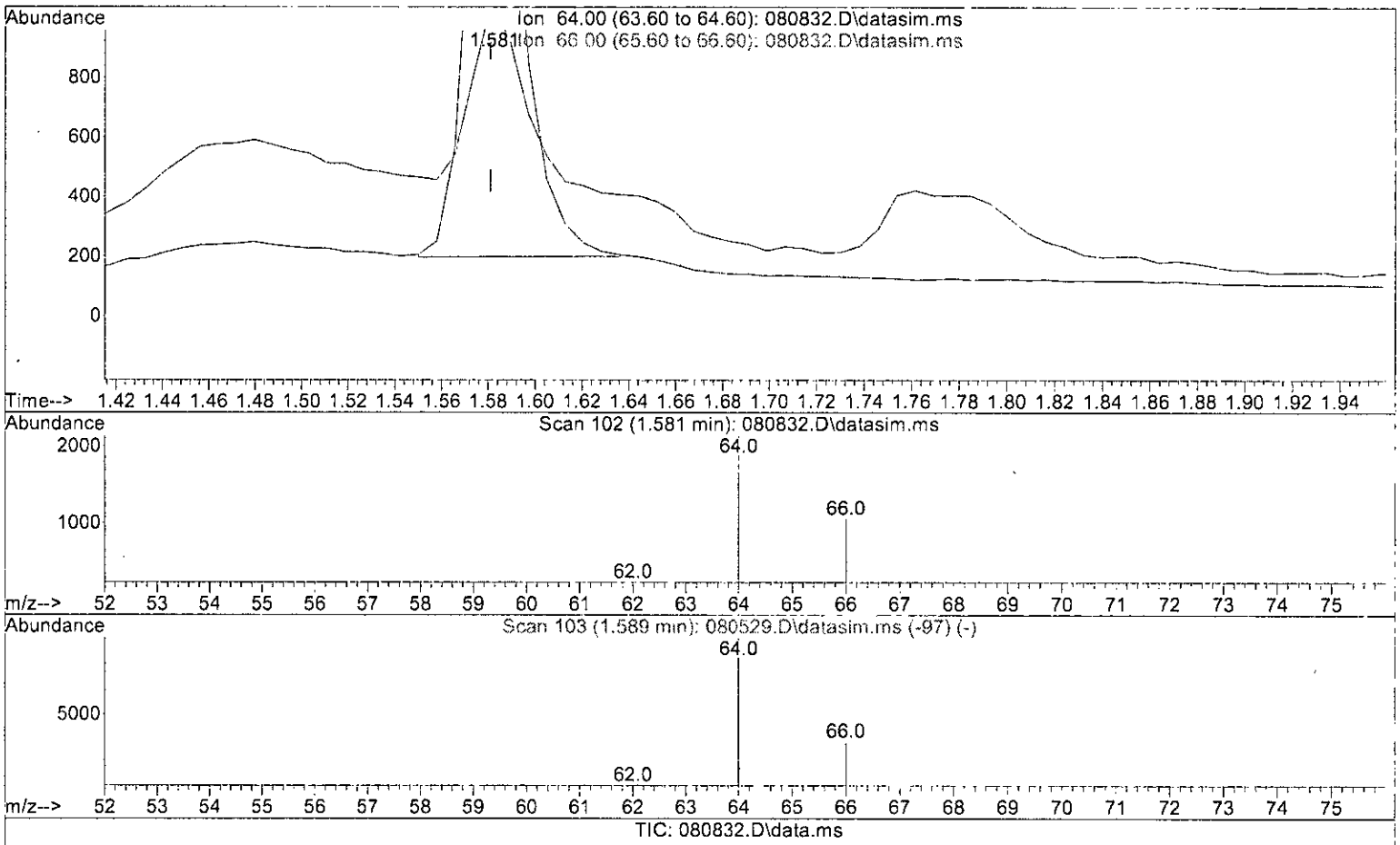
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080832.D\data.ms

(8) Chloroethane (TMP)

1.581min (+ 0.000) 1.046 ppb m

response 2908

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	49.18
0.00	0.00	0.00
0.00	0.00	0.00

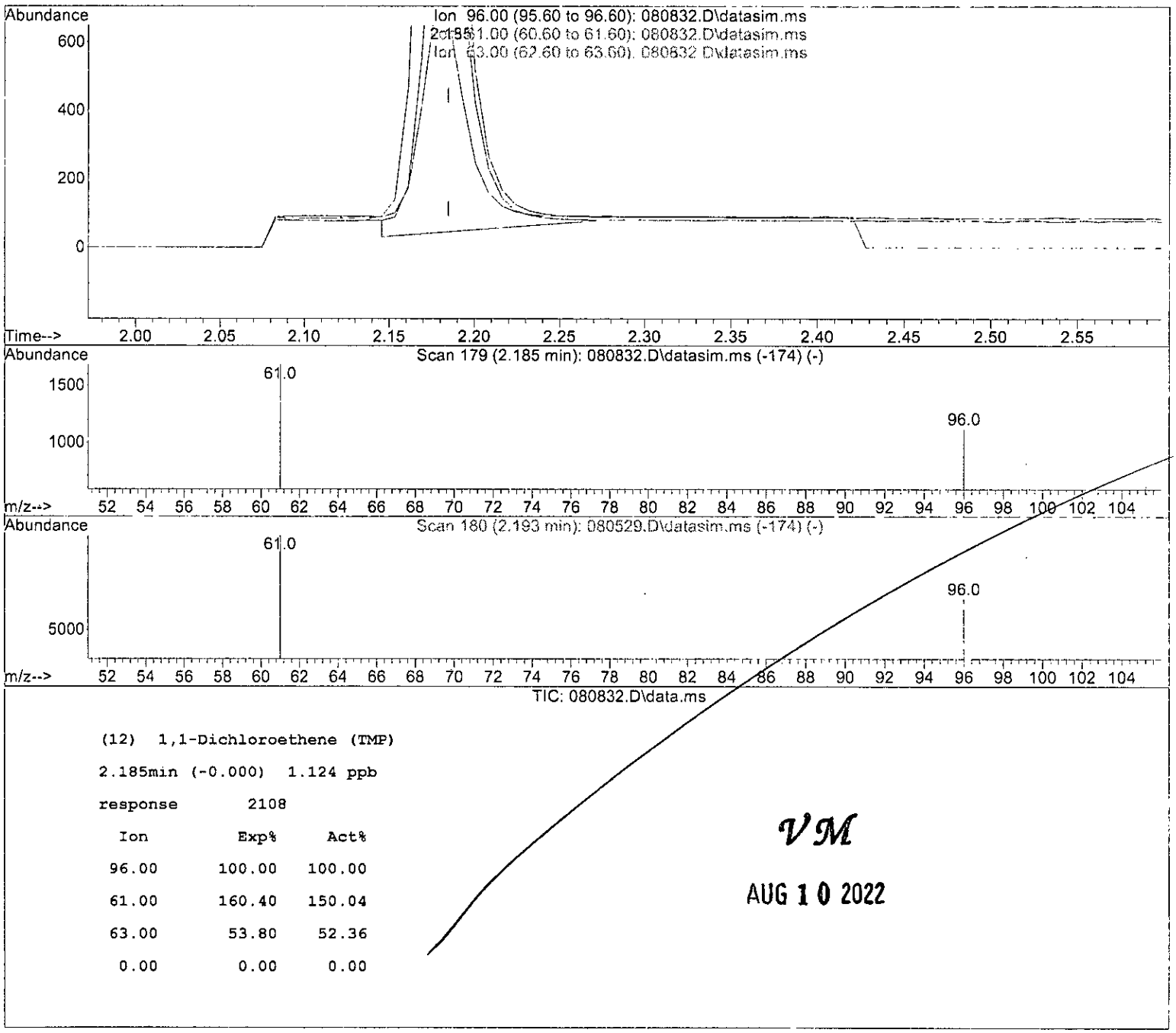
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080832.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.185min (-0.000) 1.124 ppb

response 2108

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	150.04
63.00	53.80	52.36
0.00	0.00	0.00

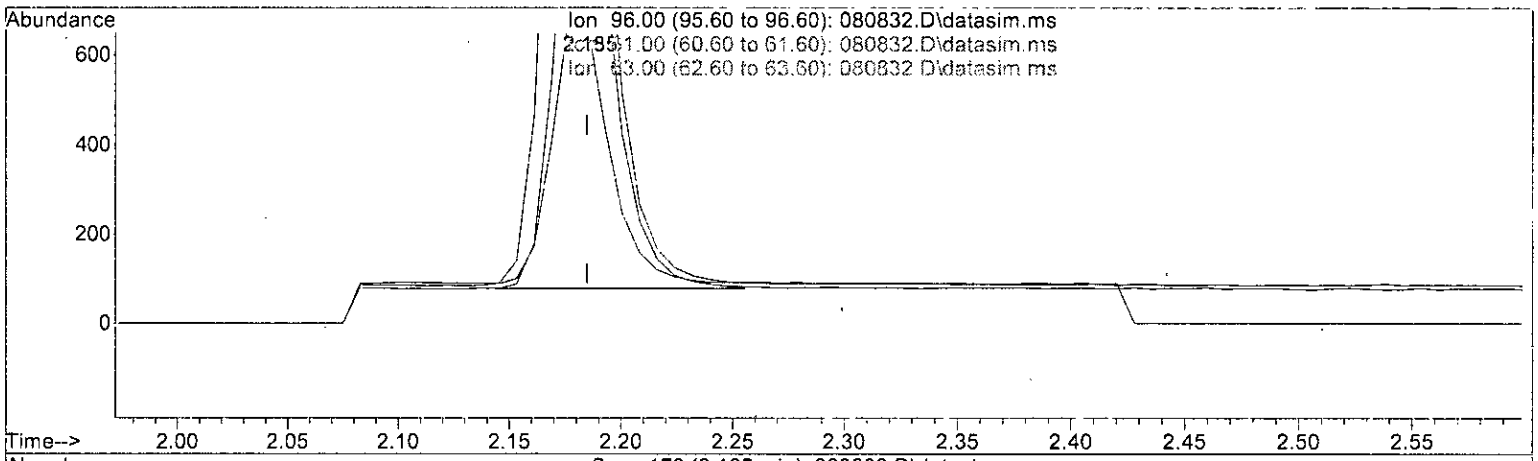
VM

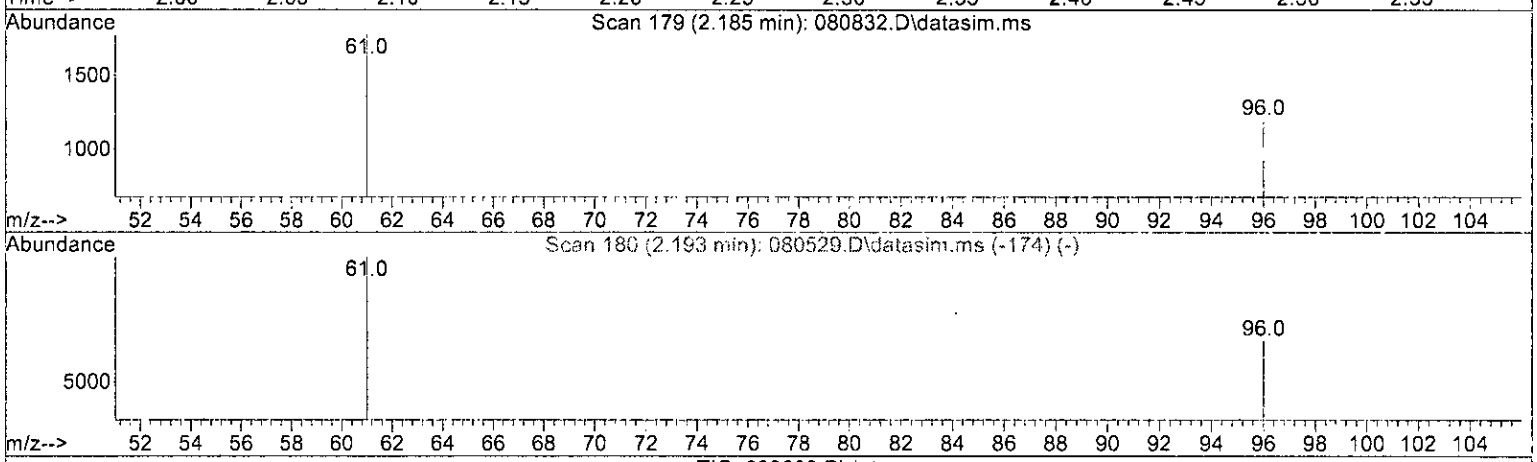
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080832.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.185min (-0.000) 1.026 ppb m

response 1925

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	147.63
63.00	53.80	56.36
0.00	0.00	0.00

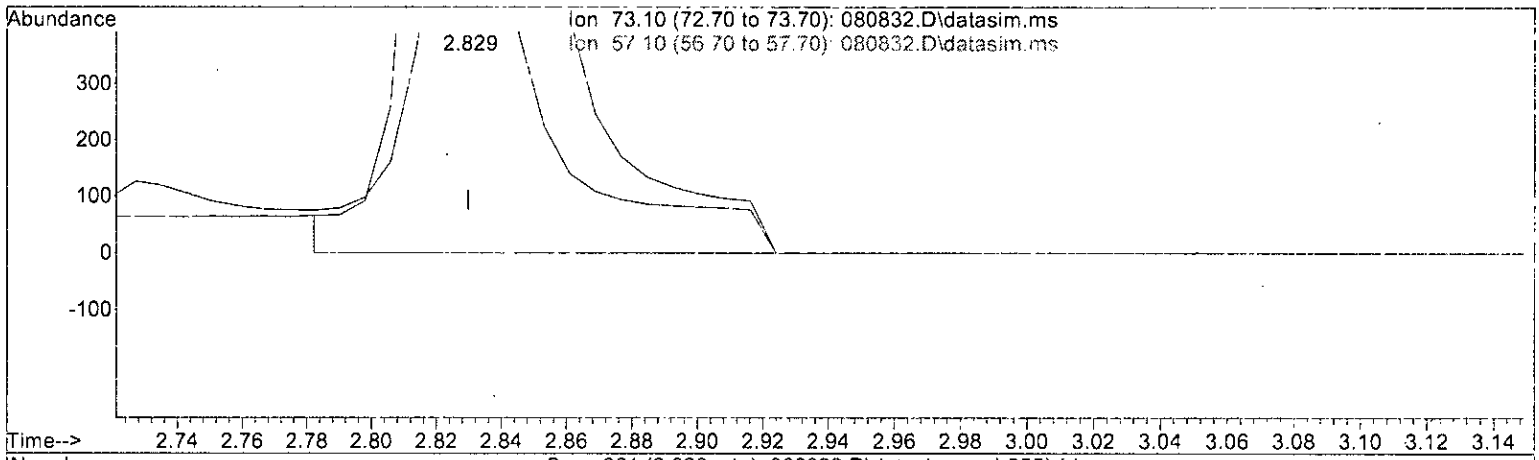
VM

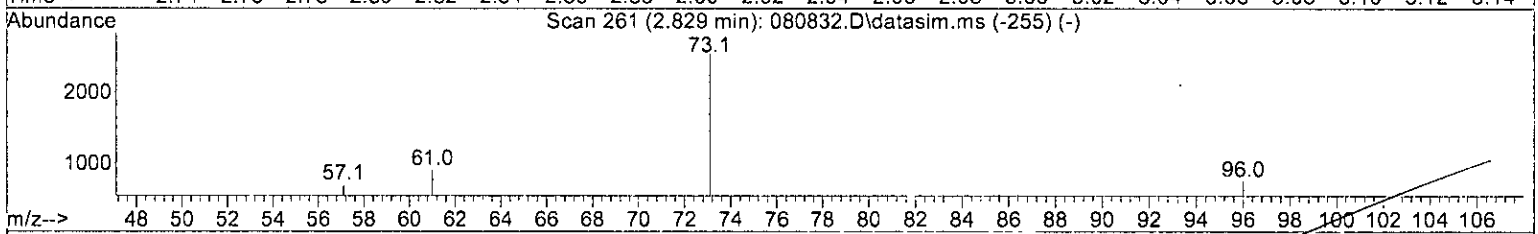
AUG 10 2022

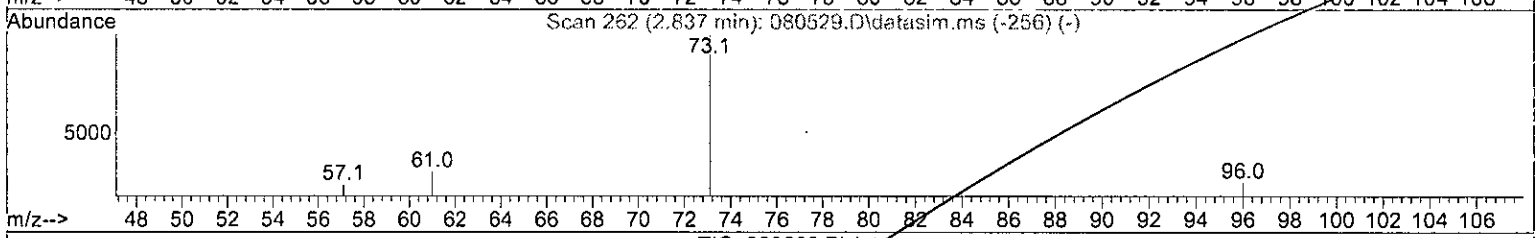
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080832.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.001) 1.154 ppb

response 5979

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	26.60
0.00	0.00	0.00
0.00	0.00	0.00

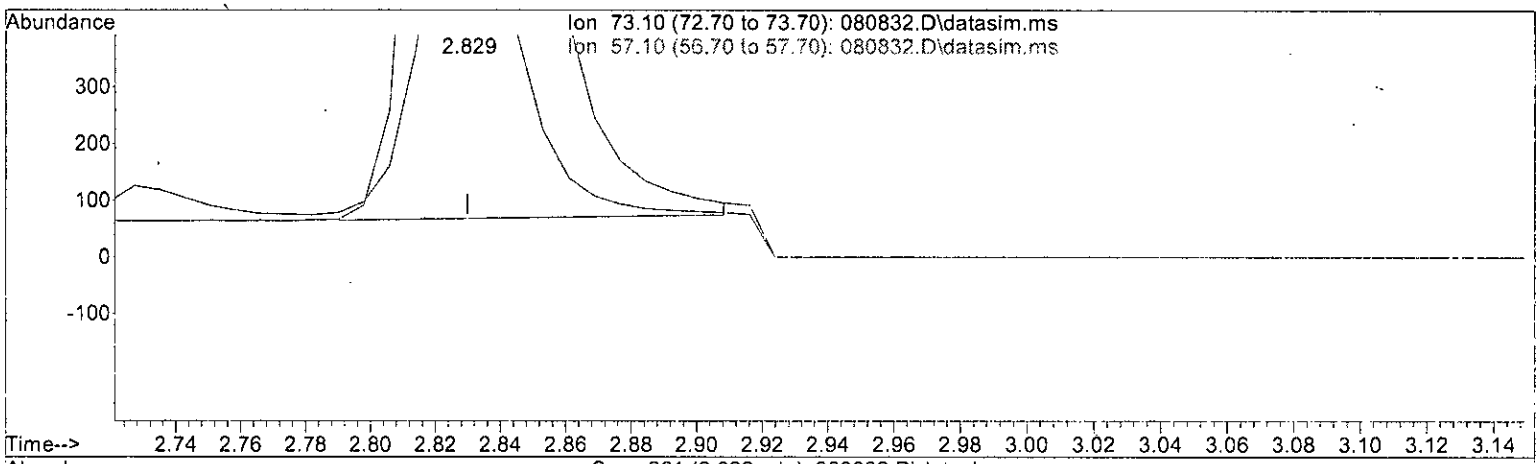
VM

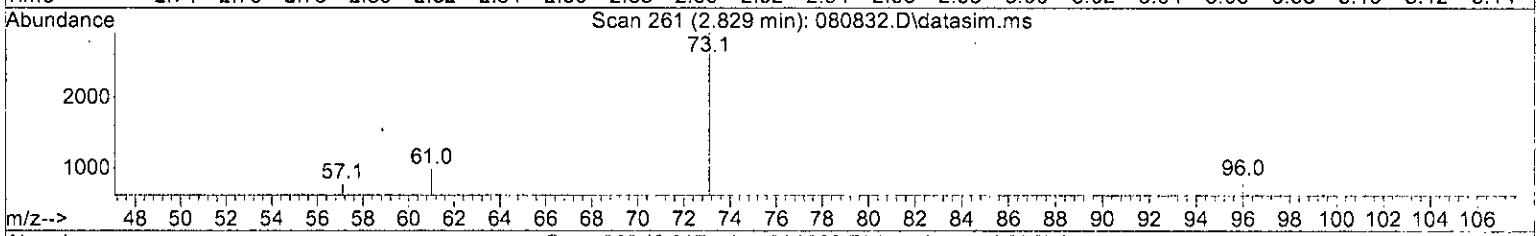
AUG 10 2022

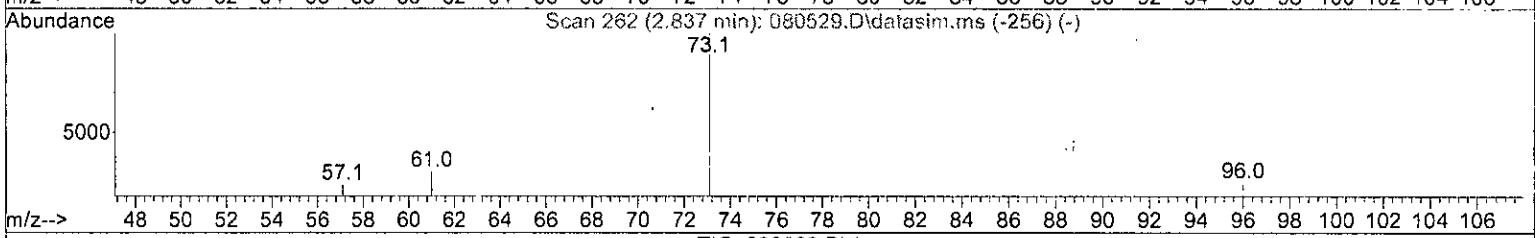
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080832.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.001) 1.044 ppb m

response 5409

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	26.60
0.00	0.00	0.00
0.00	0.00	0.00

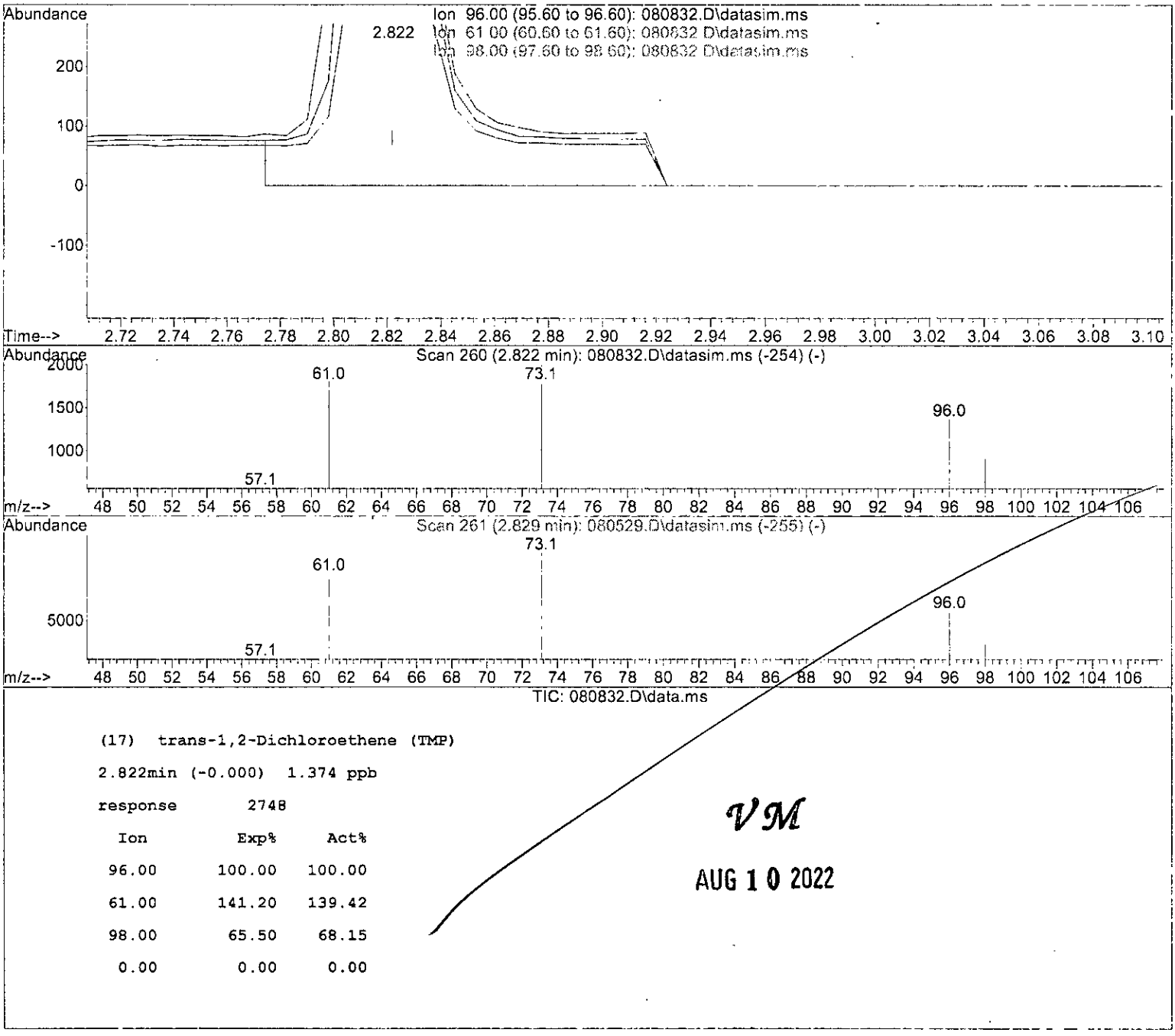
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080832.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.000) 1.374 ppb

response 2748

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	139.42
98.00	65.50	68.15
0.00	0.00	0.00

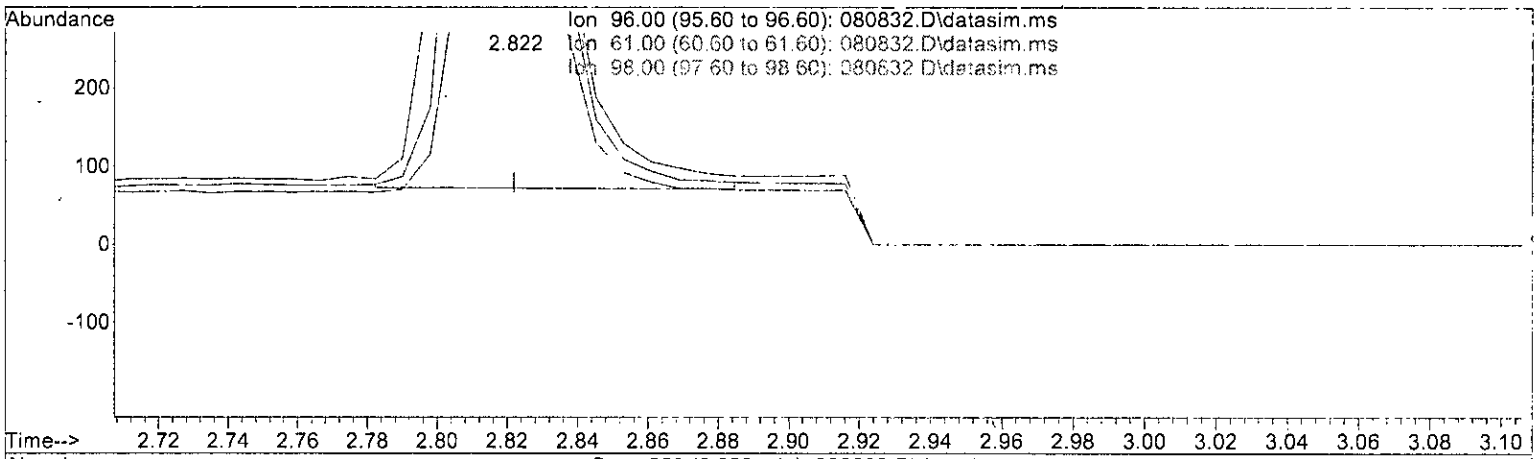
VM

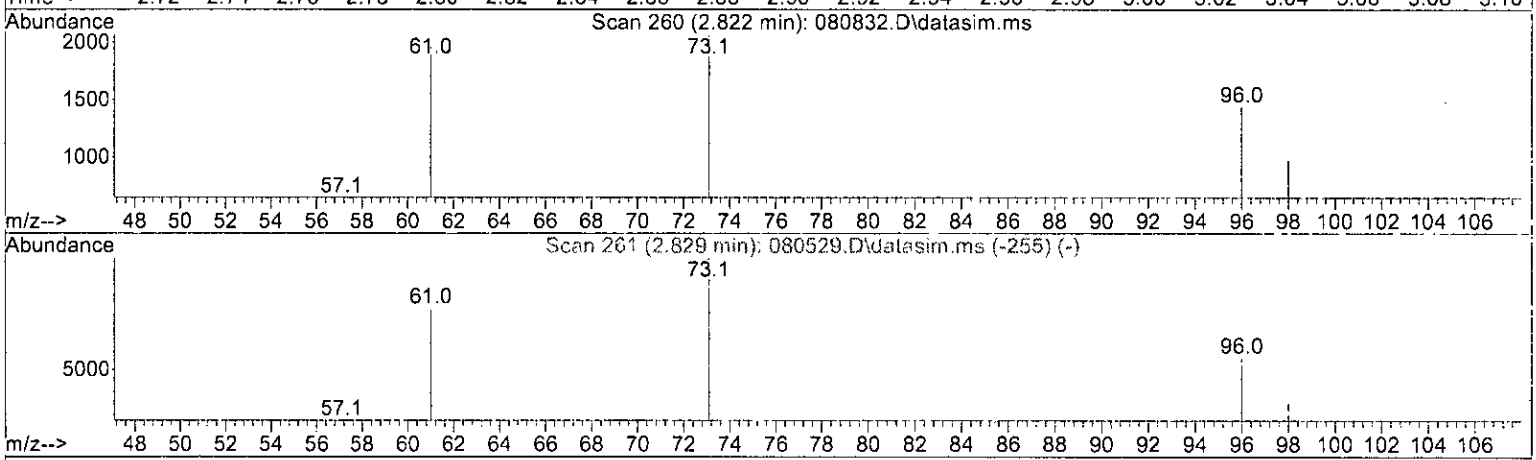
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080832.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.000) 1.058 ppb m

response 2121

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	139.42
98.00	65.50	68.15
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.62	96	68781	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	53981	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31879	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	19097	10.140 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%		
30) 1,2-Dichloroethane-d4	4.35	102	4216	10.338 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 103.40%		
35) Toluene-d8	5.98	98	67824	10.253 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 102.50%		
57) 4-Bromofluorobenzene	8.38	95	25273	9.595 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 95.90%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	1.08	85	5215	0.925 ppb	98
5) Chloromethane	0.00		0	N.D. d	
6] Vinyl chloride	1.29	62	5965m	1.086 ppb	
7) Bromomethane	1.52	94	3006m	0.924 ppb	
8] Chloroethane	1.58	64	2908m	1.046 ppb	
9) Trichlorofluoromethane	1.76	101	6973	1.059 ppb	97
10) 2-Propanol	2.39	45	89	No Calib	
11) Acetone	2.25	58	1246	6.131 ppb #	80
12] 1,1-Dichloroethene	2.18	96	1925m	1.026 ppb	
13) Hexane	3.04	57	3208	1.123 ppb	97
14) Methylene chloride	0.00		0	N.D. d	
15) t-Butyl alcohol (TBA)	2.73	59	1120	5.414 ppb	61
16] Methyl t-butyl ether (...	2.83	73	5409m	1.044 ppb	
17] trans-1,2-Dichloroethene	2.82	96	2121m	1.058 ppb	
18) Diisopropyl ether (DIPE)	3.24	45	6881	1.066 ppb	99
19] 1,1-Dichloroethane	3.17	63	3905	1.049 ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	2376	1.048 ppb	97
21) 2,2-Dichloropropane	3.66	77	2772	1.229 ppb	90
22] cis-1,2-Dichloroethene	3.66	96	2235	1.050 ppb	99
23) Chloroform	3.94	83	3540	1.048 ppb	96
24) 2-Butanone (MEK)	3.71	43	4754	5.228 ppb	89
25) t-Amyl methyl ether (T...	4.49	73	5391	1.082 ppb	92
26] 1,2-Dichloroethane (EDC)	4.41	62	2940	1.069 ppb	99
27] 1,1,1-Trichloroethane	4.07	97	3256	1.052 ppb	100

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
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InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	4.21	75	2688	1.051	ppb		97
29)	Carbon tetrachloride	4.21	117	2770	1.031	ppb		90
31]	Benzene	4.39	78	7847	1.065	ppb		99
32]	Trichloroethene	4.93	95	2252	1.062	ppb		98
33)	1,2-Dichloropropane	5.13	63	2040	1.032	ppb	#	87
34)	Bromodichloromethane	5.37	83	2261	0.942	ppb		85
36)	Dibromomethane	5.22	93	1171	1.025	ppb		86
37)	4-Methyl-2-pentanone	5.91	85	1438	5.130	ppb		92
38)	cis-1,3-Dichloropropene	5.75	75	2662	0.983	ppb		99
40]	Toluene	6.03	92	5092	1.041	ppb		100
41)	trans-1,3-Dichloropropene	6.25	75	2555	1.024	ppb		95
42]	1,1,2-Trichloroethane	6.40	83	1428	1.057	ppb		98
43)	2-Hexanone	6.64	43	7045	5.465	ppb		89
44)	1,3-Dichloropropane	6.55	76	2415	1.007	ppb		95
45]	Tetrachloroethene	6.51	164	2071	1.071	ppb		99
46)	Dibromochloromethane	6.76	129	1580	0.870	ppb		78
47]	1,2-Dibromoethane (EDB)	6.85	107	1735	1.024	ppb		99
48)	Chlorobenzene	7.30	112	5616	1.065	ppb		96
49]	Ethylbenzene	7.40	91	9175	1.053	ppb		100
50)	1,1,1,2-Tetrachloroethane	7.38	131	2035	1.071	ppb		90
51]	m,p-Xylene	7.52	106	7119	2.103	ppb		98
52]	o-Xylene	7.88	106	3518	1.048	ppb		97
53)	Styrene	7.90	104	5634	1.055	ppb		93
54)	Isopropylbenzene	8.23	105	9286	1.069	ppb		96
55)	Bromoform	8.07	173	1291	1.048	ppb		92
58)	n-Propylbenzene	8.63	91	10197	1.006	ppb		93
59)	Bromobenzene	8.52	156	2582	1.024	ppb		84
60)	1,3,5-Trimethylbenzene	8.80	105	7603	1.012	ppb		98
61)	1,1,2,2-Tetrachloroethane	8.54	83	2037	0.986	ppb		85
62)	1,2,3-Trichloropropane	8.57	75	1539	1.060	ppb		90
63)	2-Chlorotoluene	8.70	91	6024	1.003	ppb		98
64)	4-Chlorotoluene	8.81	91	7188	1.035	ppb		93
65)	tert-Butylbenzene	9.11	119	6710	0.999	ppb		93
66)	1,2,4-Trimethylbenzene	9.16	105	7704	0.996	ppb		99
67)	sec-Butylbenzene	9.32	105	9866	1.006	ppb		93
68)	p-Isopropyltoluene	9.47	119	8341	0.984	ppb		98
69)	1,3-Dichlorobenzene	9.42	146	4833	1.020	ppb		91
70)	1,4-Dichlorobenzene	9.51	146	4700	1.017	ppb		98
71)	1,2-Dichlorobenzene	9.87	146	4669	1.008	ppb		98
72)	1,2-Dibromo-3-chloropr...	10.64	75	442	1.190	ppb		77
73)	1,2,4-Trichlorobenzene	11.45	180	3334	0.950	ppb		97

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

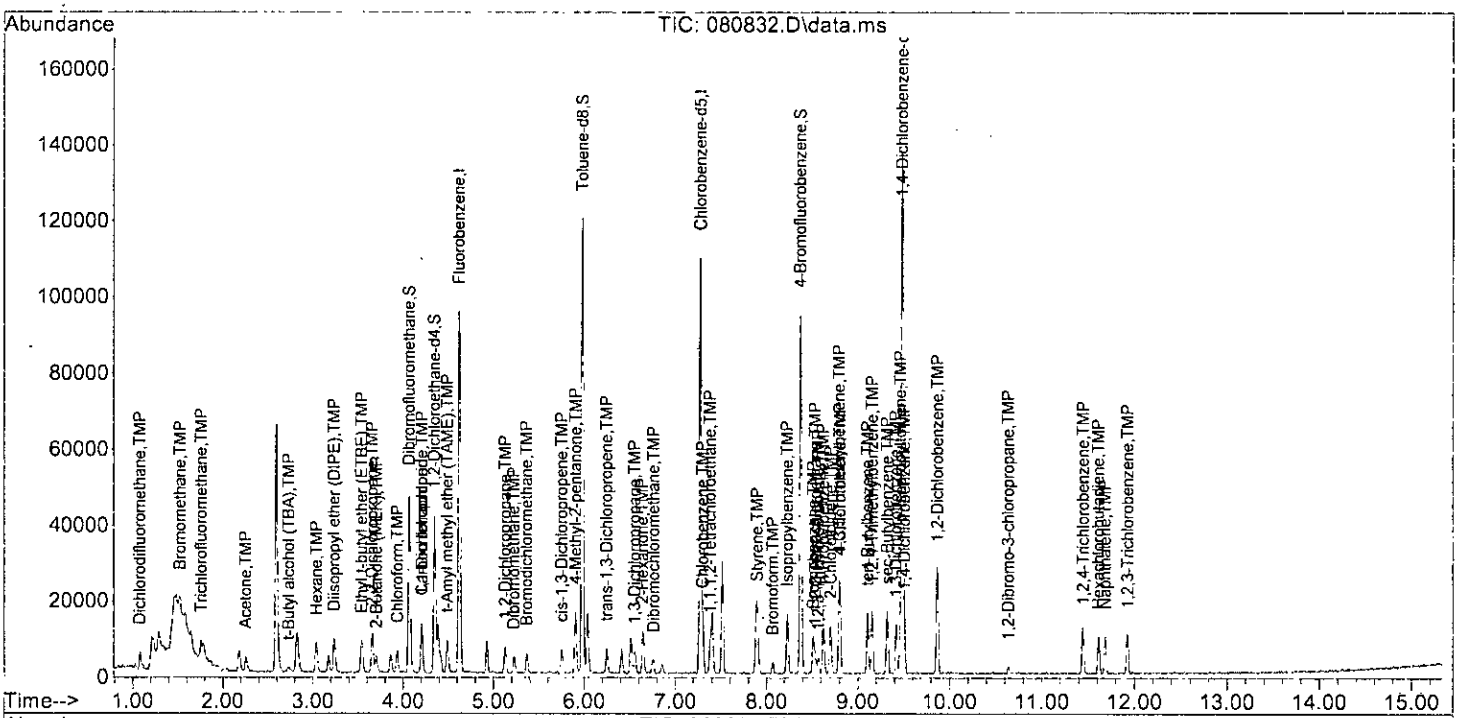
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	1920	0.993	ppb	97
75) Naphthalene	11.69	128	6618	0.985	ppb	97
76) 1,2,3-Trichlorobenzene	11.93	180	3067	0.975	ppb	93

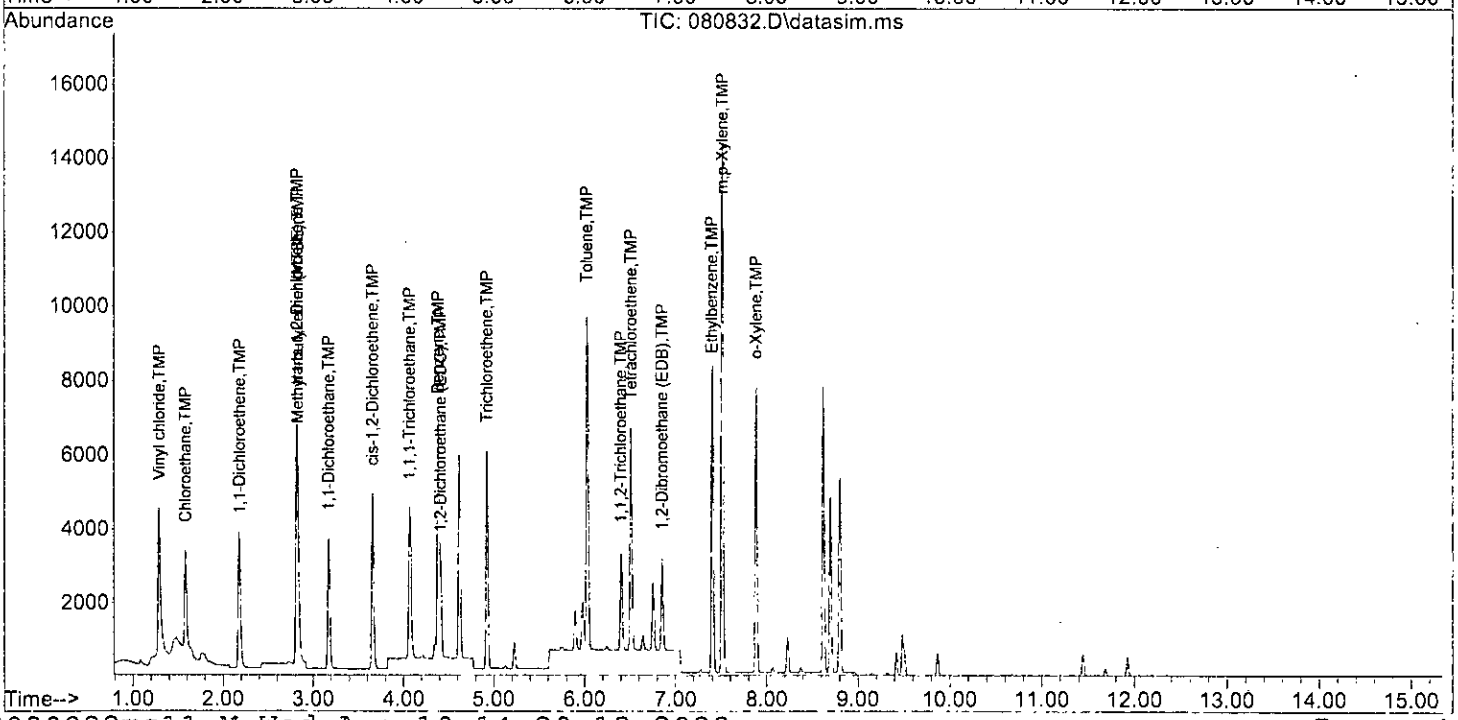
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.140	-1.4	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	0.925	7.5	100	0.00
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	1.000	1.086	-8.6	106	0.00
7	TMP	Bromomethane	-1.000	0.924	0.0	0	0.00
8	TMP	Chloroethane	1.000	1.046	-4.6	100	0.00
9	TMP	Trichlorofluoromethane	1.000	1.059	-5.9	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	5.000	6.131	-22.6#	100	0.00
12	TMP	1,1-Dichloroethene	1.000	1.026	-2.6	101	0.00
13	TMP	Hexane	1.000	1.123	-12.3	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	5.000	5.414	-8.3	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.000	1.044	-4.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	1.000	1.058	-5.8	101	0.00
18	TMP	Diisopropyl ether (DIPE)	1.000	1.066	-6.6	100	0.00
19	TMP	1,1-Dichloroethane	1.000	1.049	-4.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	1.048	-4.8	100	0.00
21	TMP	2,2-Dichloropropane	1.000	1.229	-22.9#	118	0.00
22	TMP	cis-1,2-Dichloroethene	1.000	1.050	-5.0	100	0.00
23	TMP	Chloroform	1.000	1.048	-4.8	100	0.00
24	TMP	2-Butanone (MEK)	5.000	5.228	-4.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.000	1.082	-8.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	1.000	1.069	-6.9	100	0.00
27	TMP	1,1,1-Trichloroethane	1.000	1.052	-5.2	100	0.00
28	TMP	1,1-Dichloropropene	1.000	1.051	-5.1	100	0.00
29	TMP	Carbon tetrachloride	1.000	1.031	-3.1	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.338	-3.4	100	0.00
31	TMP	Benzene	1.000	1.065	-6.5	100	0.00
32	TMP	Trichloroethene	1.000	1.062	-6.2	100	0.00
33	TMP	1,2-Dichloropropane	1.000	1.032	-3.2	100	0.00
34	TMP	Bromodichloromethane	1.000	0.942	5.8	100	0.00
35	S	Toluene-d8	10.000	10.253	-2.5	100	0.00
36	TMP	Dibromomethane	1.000	1.025	-2.5	100	0.00
37	TMP	4-Methyl-2-pentanone	5.000	5.130	-2.6	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	1.000	0.983	1.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	1.000	1.041	-4.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	1.000	1.024	-2.4	100	0.00
42	TMP	1,1,2-Trichloroethane	1.000	1.057	-5.7	100	0.00
43	TMP	2-Hexanone	5.000	5.465	-9.3	100	0.00
44	TMP	1,3-Dichloropropane	1.000	1.007	-0.7	100	0.00
45	TMP	Tetrachloroethene	1.000	1.071	-7.1	100	0.00
46	TMP	Dibromochloromethane	1.000	0.870	13.0	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	1.000	1.024	-2.4	100	0.00
48	TMP	Chlorobenzene	1.000	1.065	-6.5	100	0.00
49	TMP	Ethylbenzene	1.000	1.053	-5.3	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	1.000	1.071	-7.1	100	0.00
51	TMP	m,p-Xylene	2.000	2.103	-5.2	100	0.00
52	TMP	o-Xylene	1.000	1.048	-4.8	100	0.00
53	TMP	Styrene	1.000	1.055	-5.5	100	0.00
54	TMP	Isopropylbenzene	1.000	1.069	-6.9	100	0.00
55	TMP	Bromoform	1.000	1.048	-4.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.595	4.0	100	0.00
58	TMP	n-Propylbenzene	1.000	1.006	-0.6	100	0.00
59	TMP	Bromobenzene	1.000	1.024	-2.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.000	1.012	-1.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.000	0.986	1.4	100	0.00
62	TMP	1,2,3-Trichloropropane	1.000	1.060	-6.0	100	0.00
63	TMP	2-Chlorotoluene	1.000	1.003	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.000	1.035	-3.5	100	0.00
65	TMP	tert-Butylbenzene	1.000	0.999	0.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.000	0.996	0.4	100	0.00
67	TMP	sec-Butylbenzene	1.000	1.006	-0.6	100	0.00
68	TMP	p-Isopropyltoluene	1.000	0.984	1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.000	1.020	-2.0	100	0.00
70	TMP	1,4-Dichlorobenzene	1.000	1.017	-1.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.000	1.008	-0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	1.000	1.190	-19.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.000	0.950	5.0	100	0.00
74 TMP	Hexachlorobutadiene	1.000	0.993	0.7	100	0.00
75 TMP	Naphthalene	1.000	0.985	1.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	1.000	0.975	2.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.278	-1.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.758	7.6	100	0.00
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.799	0.867	-8.5	106	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	0.00
8	TMP	Chloroethane	0.404	0.423	-4.7	100	0.00
9	TMP	Trichlorofluoromethane	0.957	1.014	-6.0	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.036	-44.0#	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.280	-2.6	101	0.00
13	TMP	Hexane	0.415	0.466	-12.3	100	0.00
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.033	-10.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.786	-4.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.308	2.2	101	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	1.000	-6.6	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.568	-5.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.345	-4.5	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.403	-26.3#	118	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.325	0.0	100	0.00
23	TMP	Chloroform	0.491	0.515	-4.9	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.138	-5.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.784	-8.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.427	6.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.473	-5.1	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.391	-5.1	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.403	-3.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.061	-3.4	100	0.00
31	TMP	Benzene	1.115	1.141	-2.3	100	0.00
32	TMP	Trichloroethene	0.327	0.327	0.0	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.297	-3.5	100	0.00
34	TMP	Bromodichloromethane	0.349	0.329	5.7	100	0.00
35	S	Toluene-d8	0.962	0.986	-2.5	100	0.00
36	TMP	Dibromomethane	0.166	0.170	-2.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.042	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.387	1.8	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.943	9.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.473	-2.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.265	-6.0	100	0.00
43	TMP	2-Hexanone	0.239	0.261	-9.2	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.447	-0.7	100	0.00
45	TMP	Tetrachloroethene	0.421	0.384	8.8	100	0.00
46	TMP	Dibromochloromethane	0.337	0.293	13.1	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.321	-2.2	100	0.00
48	TMP	Chlorobenzene	0.977	1.040	-6.4	100	0.00
49	TMP	Ethylbenzene	1.708	1.700	0.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.377	-7.1	100	0.00
51	TMP	m,p-Xylene	0.670	0.659	1.6	100	0.00
52	TMP	o-Xylene	0.661	0.652	1.4	100	0.00
53	TMP	Styrene	0.990	1.044	-5.5	100	0.00
54	TMP	Isopropylbenzene	1.609	1.720	-6.9	100	0.00
55	TMP	Bromoform	0.228	0.239	-4.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.793	4.0	100	0.00
58	TMP	n-Propylbenzene	3.181	3.199	-0.6	100	0.00
59	TMP	Bromobenzene	0.791	0.810	-2.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.385	-1.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.639	1.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.483#	-6.2	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.890	-0.3	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.255	-3.5	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.105	0.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.417	0.4	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.095	-0.6	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.616	1.7	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.516	-2.0	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.474	-1.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.465	-0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.139	-19.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

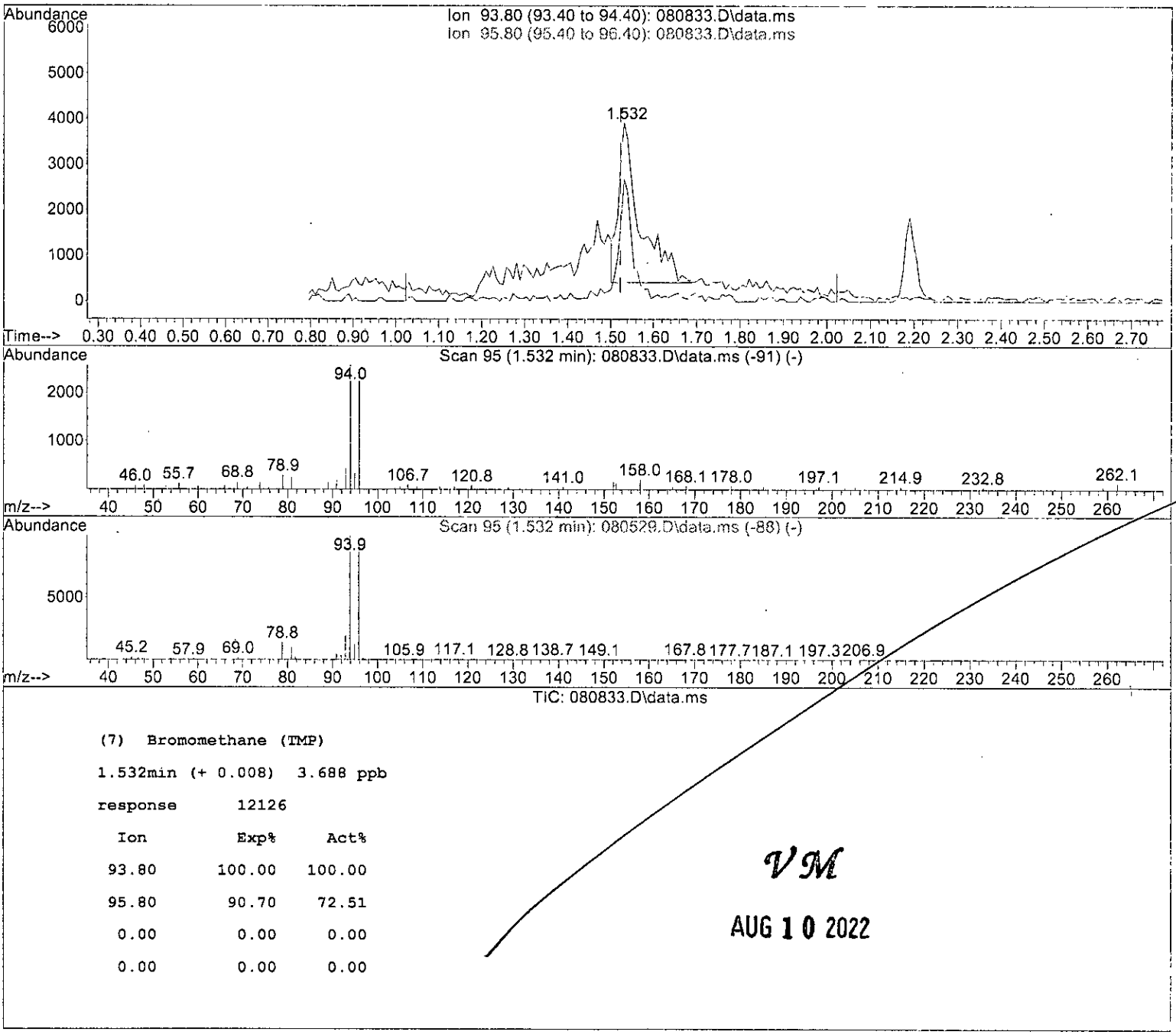
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.046	5.0	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.602	0.8	100	0.00
75 TMP	Naphthalene	2.108	2.076	1.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.962	2.4	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:26:54 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080833.D\data.ms

(7) Bromomethane (TMP)

1.532min (+ 0.008) 3.688 ppb

response 12126

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	72.51
0.00	0.00	0.00
0.00	0.00	0.00

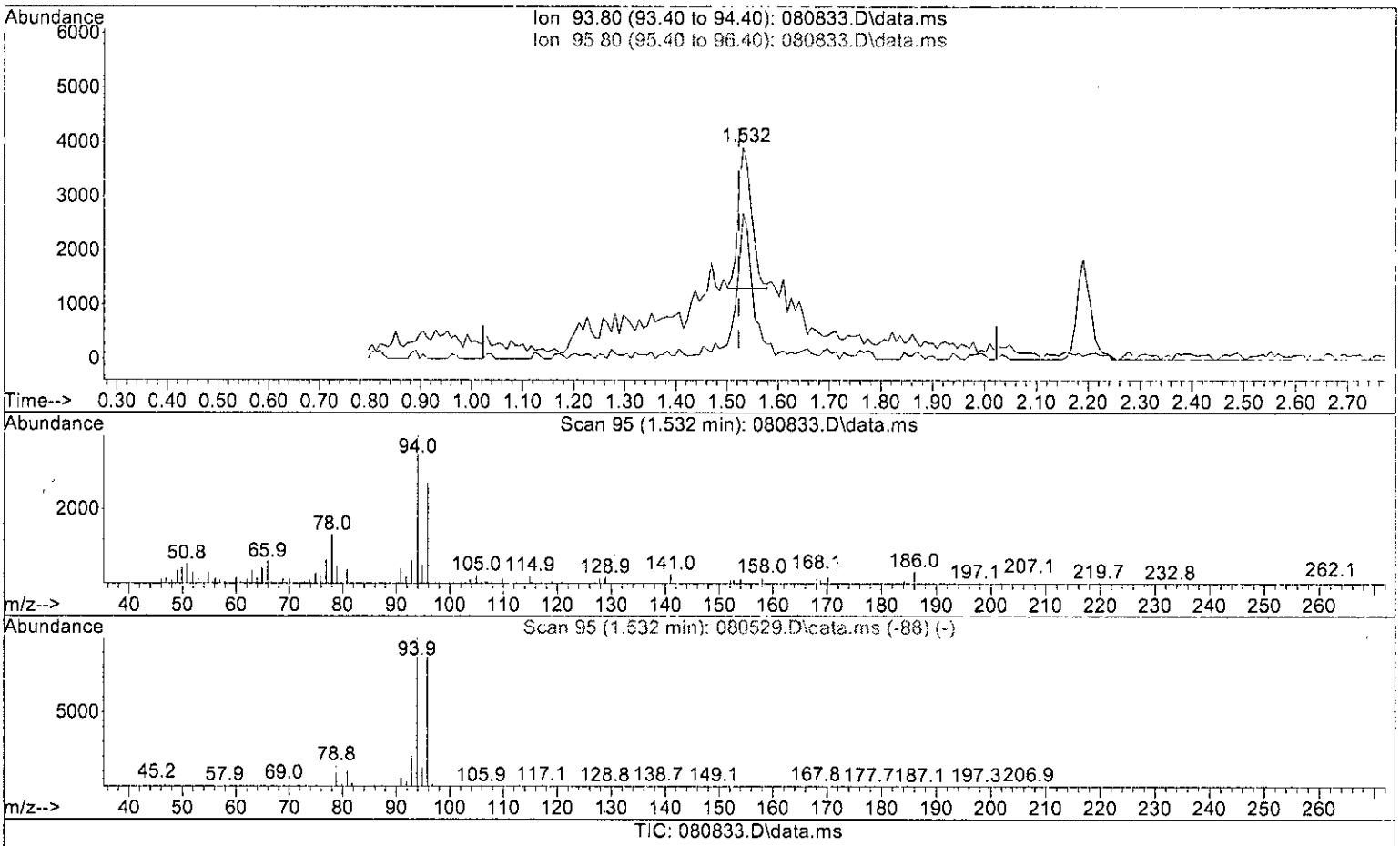
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:26:54 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080833.D\data.ms

(7) Bromomethane (TMP)

1.532min (+ 0.008) 1.450 ppb m

response 4768

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	68.55
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	69482	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	54121	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31221	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19356	10.174	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.70%			
30) 1,2-Dichloroethane-d4	4.35	102	4012	9.739	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 97.40%			
35) Toluene-d8	5.98	98	67188	10.055	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.50%			
57) 4-Bromofluorobenzene	8.38	95	26559	10.295	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 103.00%			
Target Compounds						Qvalue
2) Ethanol	1.91	45	59	No Calib		
4) Dichlorodifluoromethane	1.09	85	8816	1.548	ppb	97
5) Chloromethane	1.23	50	11204	1.862	ppb	87
6] Vinyl chloride	1.30	62	10530	1.897	ppb	100
7) Bromomethane	1.53	94	4768m	1.450	ppb	
8] Chloroethane	1.59	64	5546	1.976	ppb	88
9) Trichlorofluoromethane	1.77	101	11275	1.695	ppb	98
10) 2-Propanol	2.40	45	77	No Calib		
11) Acetone	2.26	58	1614	8.239	ppb #	55
12] 1,1-Dichloroethene	2.19	96	3208	1.693	ppb	95
13) Hexane	3.05	57	5270	1.827	ppb	96
14) Methylene chloride	2.60	84	33735	11.474	ppb	96
15) t-Butyl alcohol (TBA)	2.74	59	1782	8.528	ppb	87
16] Methyl t-butyl ether (...	2.84	73	9442	1.804	ppb	97
17] trans-1,2-Dichloroethene	2.82	96	4098	2.034	ppb	88
18) Diisopropyl ether (DIPE)	3.24	45	10826	1.660	ppb	96
19] 1,1-Dichloroethane	3.18	63	6471	1.720	ppb	97
20) Ethyl t-butyl ether (E...	3.55	87	4004	1.748	ppb	91
21) 2,2-Dichloropropane	3.66	77	3812	1.719	ppb	98
22] cis-1,2-Dichloroethene	3.67	96	3695	1.725	ppb	93
23) Chloroform	3.94	83	6077	1.782	ppb	97
24) 2-Butanone (MEK)	3.71	43	7894	8.884	ppb	98
25) t-Amyl methyl ether (T...	4.49	73	8878	1.764	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	4867	1.767	ppb	97
27] 1,1,1-Trichloroethane	4.08	97	5385	1.722	ppb	93

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.22	75	4409	1.706	ppb	96
29) Carbon tetrachloride	4.21	117	4786	1.764	ppb	77
31] Benzene	4.39	78	13008	1.753	ppb	96
32] Trichloroethene	4.93	95	3791	1.777	ppb	91
33) 1,2-Dichloropropane	5.13	63	3417	1.712	ppb	93
34) Bromodichloromethane	5.37	83	4091	1.687	ppb	93
36) Dibromomethane	5.23	93	2063	1.787	ppb	96
37) 4-Methyl-2-pentanone	5.91	85	2432	8.589	ppb	99
38) cis-1,3-Dichloropropene	5.75	75	4940	1.806	ppb	96
40] Toluene	6.03	92	8242	1.723	ppb	99
41) trans-1,3-Dichloropropene	6.25	75	4058	1.623	ppb	94
42] 1,1,2-Trichloroethane	6.40	83	2356	1.739	ppb	97
43) 2-Hexanone	6.64	43	11456	8.863	ppb	95
44) 1,3-Dichloropropane	6.55	76	4188	1.742	ppb	93
45] Tetrachloroethene	6.51	164	3448	1.800	ppb	99
46) Dibromochloromethane	6.75	129	3006	1.650	ppb	97
47] 1,2-Dibromoethane (EDB)	6.85	107	2857	1.682	ppb	100
48) Chlorobenzene	7.30	112	9354	1.770	ppb	99
49] Ethylbenzene	7.41	91	15205	1.747	ppb	85
50) 1,1,1,2-Tetrachloroethane	7.38	131	3415	1.792	ppb	91
51] m,p-Xylene	7.52	106	11803	3.494	ppb	97
52] o-Xylene	7.88	106	5803	1.731	ppb	98
53) Styrene	7.90	104	8959	1.673	ppb	100
54) Isopropylbenzene	8.23	105	15019	1.725	ppb	97
55) Bromoform	8.07	173	2002	1.621	ppb	88
58) n-Propylbenzene	8.63	91	17223	1.734	ppb	99
59) Bromobenzene	8.52	156	4199	1.700	ppb	92
60) 1,3,5-Trimethylbenzene	8.80	105	12600	1.712	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.54	83	3822	1.889	ppb	91
62) 1,2,3-Trichloropropane	8.57	75	2529	1.779	ppb	94
63) 2-Chlorotoluene	8.70	91	10344	1.759	ppb	96
64) 4-Chlorotoluene	8.81	91	12166	1.789	ppb	95
65) tert-Butylbenzene	9.11	119	11104	1.689	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	12654	1.670	ppb	97
67) sec-Butylbenzene	9.32	105	16182	1.685	ppb	99
68) p-Isopropyltoluene	9.47	119	14288	1.721	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	8117	1.749	ppb	94
70) 1,4-Dichlorobenzene	9.51	146	7582	1.676	ppb	95
71) 1,2-Dichlorobenzene	9.87	146	7835	1.727	ppb	91
72) 1,2-Dibromo-3-chloropr...	10.64	75	623	1.713	ppb	93
73) 1,2,4-Trichlorobenzene	11.44	180	5663	1.647	ppb	98

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

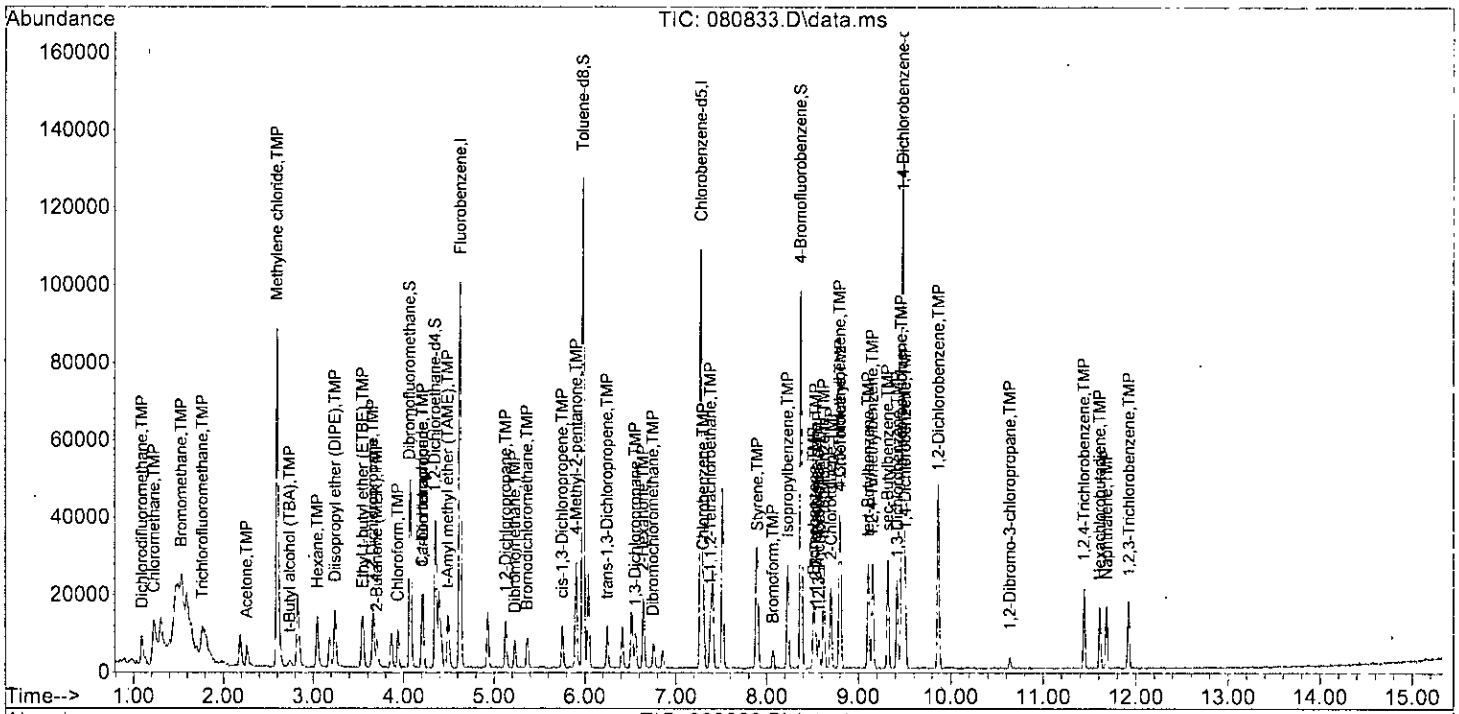
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	3261	1.722	ppb	95
75) Naphthalene	11.69	128	10554	1.604	ppb	98
76) 1,2,3-Trichlorobenzene	11.93	180	5148	1.672	ppb	96

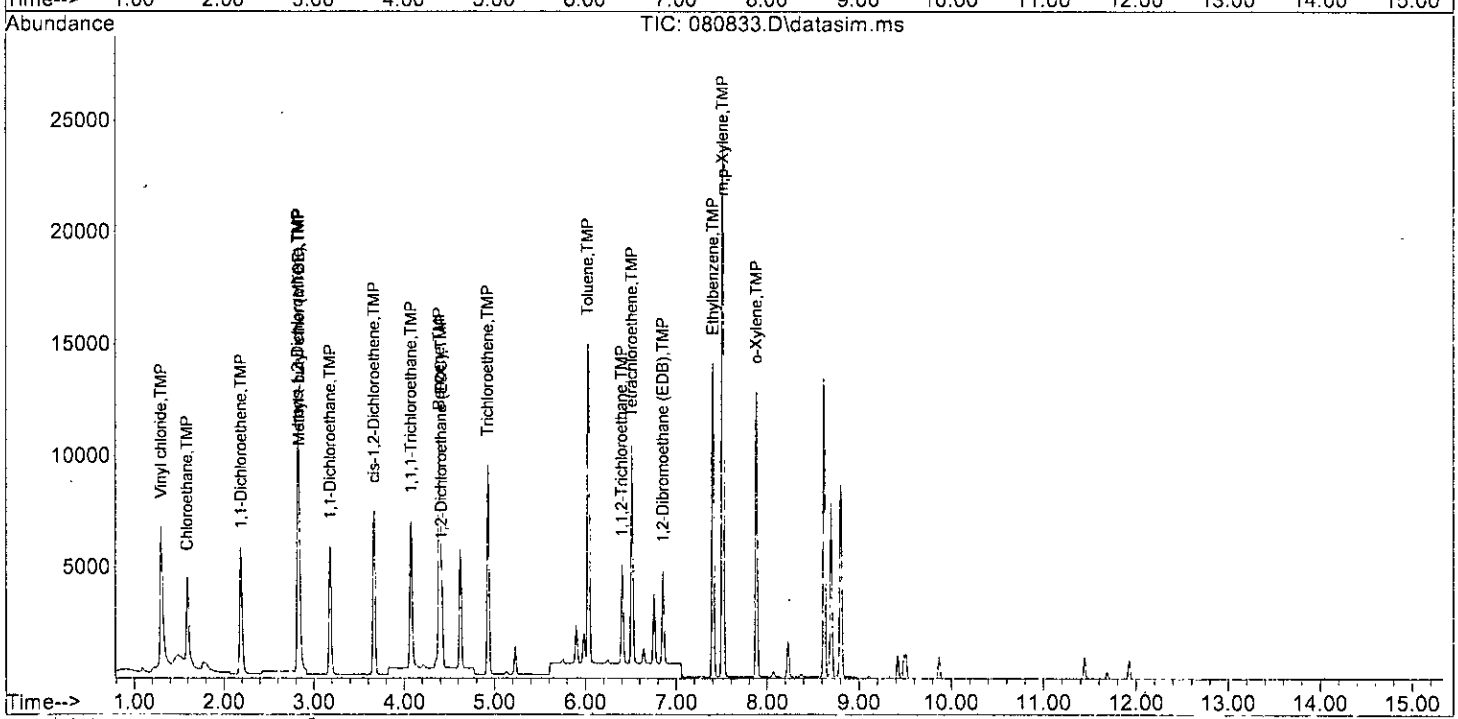
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.02
3	S	Dibromofluoromethane	10.000	10.174	-1.7	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	1.548	22.6#	91	0.00
5	TMP	Chloromethane	2.000	1.862	6.9	106	0.00
6	TMP	Vinyl chloride	2.000	1.897	5.1	108	0.00
7	TMP	Bromomethane	2.000	1.450	27.5#	100	0.00
8	TMP	Chloroethane	2.000	1.976	1.2	114	0.00
9	TMP	Trichlorofluoromethane	2.000	1.695	15.2	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	10.000	8.239	17.6	100	0.00
12	TMP	1,1-Dichloroethene	2.000	1.693	15.3	100	0.00
13	TMP	Hexane	2.000	1.827	8.7	100	0.00
14	TMP	Methylene chloride	-1.000	11.474	0.0	0	0.00
15	TMP	t-Butyl alcohol (TBA)	10.000	8.528	14.7	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	2.000	1.804	9.8	106	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	2.034	-1.7	119	0.00
18	TMP	Diisopropyl ether (DIPE)	2.000	1.660	17.0	100	0.00
19	TMP	1,1-Dichloroethane	2.000	1.720	14.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	1.748	12.6	100	0.00
21	TMP	2,2-Dichloropropane	2.000	1.719	14.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	1.725	13.7	100	0.00
23	TMP	Chloroform	2.000	1.782	10.9	100	0.00
24	TMP	2-Butanone (MEK)	10.000	8.884	11.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	1.764	11.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	1.767	11.7	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	1.722	13.9	100	0.00
28	TMP	1,1-Dichloropropene	2.000	1.706	14.7	100	0.00
29	TMP	Carbon tetrachloride	2.000	1.764	11.8	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.739	2.6	100	0.00
31	TMP	Benzene	2.000	1.753	12.4	100	0.00
32	TMP	Trichloroethene	2.000	1.777	11.2	102	0.00
33	TMP	1,2-Dichloropropane	2.000	1.712	14.4	100	0.00
34	TMP	Bromodichloromethane	2.000	1.687	15.6	100	0.00
35	S	Toluene-d8	10.000	10.055	-0.5	100	0.00
36	TMP	Dibromomethane	2.000	1.787	10.7	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	8.589	14.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	2.000	1.806	9.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	1.723	13.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	1.623	18.9	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	1.739	13.0	100	0.00
43	TMP	2-Hexanone	10.000	8.863	11.4	100	0.00
44	TMP	1,3-Dichloropropane	2.000	1.742	12.9	100	0.00
45	TMP	Tetrachloroethene	2.000	1.800	10.0	100	0.00
46	TMP	Dibromochloromethane	2.000	1.650	17.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	2.000	1.682	15.9	100	0.00
48	TMP	Chlorobenzene	2.000	1.770	11.5	100	0.00
49	TMP	Ethylbenzene	2.000	1.747	12.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	2.000	1.792	10.4	100	0.00
51	TMP	m,p-Xylene	4.000	3.494	12.6	100	0.00
52	TMP	o-Xylene	2.000	1.731	13.4	100	0.00
53	TMP	Styrene	2.000	1.673	16.3	100	0.00
54	TMP	Isopropylbenzene	2.000	1.725	13.7	100	0.00
55	TMP	Bromoform	2.000	1.621	18.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.295	-2.9	100	0.00
58	TMP	n-Propylbenzene	2.000	1.734	13.3	100	0.00
59	TMP	Bromobenzene	2.000	1.700	15.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.000	1.712	14.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	2.000	1.889	5.5	100	0.00
62	TMP	1,2,3-Trichloropropane	2.000	1.779	11.1	100	0.00
63	TMP	2-Chlorotoluene	2.000	1.759	12.1	100	0.00
64	TMP	4-Chlorotoluene	2.000	1.789	10.6	100	0.00
65	TMP	tert-Butylbenzene	2.000	1.689	15.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.000	1.670	16.5	100	0.00
67	TMP	sec-Butylbenzene	2.000	1.685	15.7	100	0.00
68	TMP	p-Isopropyltoluene	2.000	1.721	13.9	100	0.00
69	TMP	1,3-Dichlorobenzene	2.000	1.749	12.5	100	0.00
70	TMP	1,4-Dichlorobenzene	2.000	1.676	16.2	100	0.00
71	TMP	1,2-Dichlorobenzene	2.000	1.727	13.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	2.000	1.713	14.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	2.000	1.647	17.6	100	0.00
74 TMP	Hexachlorobutadiene	2.000	1.722	13.9	100	0.00
75 TMP	Naphthalene	2.000	1.604	19.8	100	0.00
76 TMP	1,2,3-Trichlorobenzene	2.000	1.672	16.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.02
3	S	Dibromofluoromethane	0.274	0.279	-1.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.634	22.7#	91	0.00
5	TMP	Chloromethane	0.866	0.806	6.9	106	0.00
6	TMP	Vinyl chloride	0.799	0.758	5.1	108	0.00
7	TMP	Bromomethane	0.473	0.343	27.5#	100	0.00
8	TMP	Chloroethane	0.404	0.399	1.2	114	0.00
9	TMP	Trichlorofluoromethane	0.957	0.811	15.3	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.231	15.4	100	0.00
13	TMP	Hexane	0.415	0.379	8.7	100	0.00
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.026#	13.3	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.679	9.8	106	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.295	6.3	119	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.779	17.0	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.466	13.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.288	12.7	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.274	14.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.266	18.2	100	0.00
23	TMP	Chloroform	0.491	0.437	11.0	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.114	13.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.639	11.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.350	23.4#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.388	13.8	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.317	14.8	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.344	11.8	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.058	1.7	100	0.00
31	TMP	Benzene	1.115	0.936	16.1	100	0.00
32	TMP	Trichloroethene	0.327	0.273	16.5	102	0.00
33	TMP	1,2-Dichloropropane	0.287	0.246	14.3	100	0.00
34	TMP	Bromodichloromethane	0.349	0.294	15.8	100	0.00
35	S	Toluene-d8	0.962	0.967	-0.5	100	0.00
36	TMP	Dibromomethane	0.166	0.148	10.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.035	14.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.355	9.9	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.761	27.2#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.375	18.8	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.218	12.8	100	0.00
43	TMP	2-Hexanone	0.239	0.212	11.3	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.387	12.8	100	0.00
45	TMP	Tetrachloroethene	0.421	0.319	24.2#	100	0.00
46	TMP	Dibromochloromethane	0.337	0.278	17.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.264	15.9	100	0.00
48	TMP	Chlorobenzene	0.977	0.864	11.6	100	0.00
49	TMP	Ethylbenzene	1.708	1.405	17.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.315	10.5	100	0.00
51	TMP	m,p-Xylene	0.670	0.545	18.7	100	0.00
52	TMP	o-Xylene	0.661	0.536	18.9	100	0.00
53	TMP	Styrene	0.990	0.828	16.4	100	0.00
54	TMP	Isopropylbenzene	1.609	1.388	13.7	100	0.00
55	TMP	Bromoform	0.228	0.185	18.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.851	-3.0	100	0.00
58	TMP	n-Propylbenzene	3.181	2.758	13.3	100	0.00
59	TMP	Bromobenzene	0.791	0.672	15.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.018	14.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.612	5.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.405#	11.0	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.657	12.0	100	0.00
64	TMP	4-Chlorotoluene	2.179	1.948	10.6	100	0.00
65	TMP	tert-Butylbenzene	2.106	1.778	15.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.027	16.5	100	0.00
67	TMP	sec-Butylbenzene	3.077	2.592	15.8	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.288	14.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.300	12.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.214	16.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.255	13.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.100	13.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

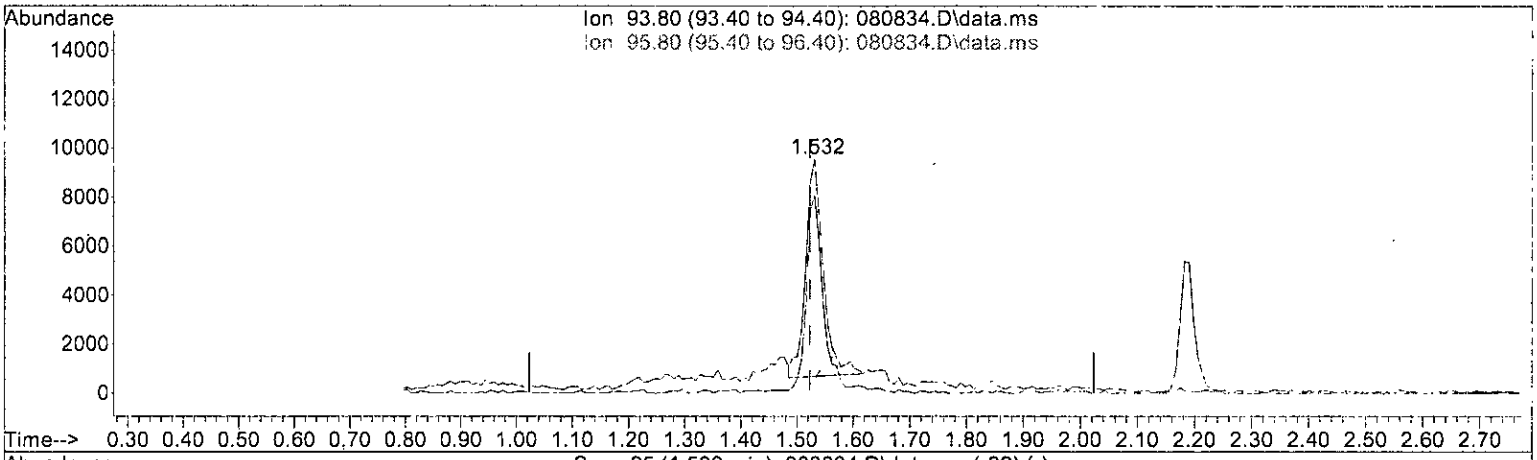
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	0.907	17.6	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.522	14.0	100	0.00
75 TMP	Naphthalene	2.108	1.690	19.8	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.824	16.4	100	0.00

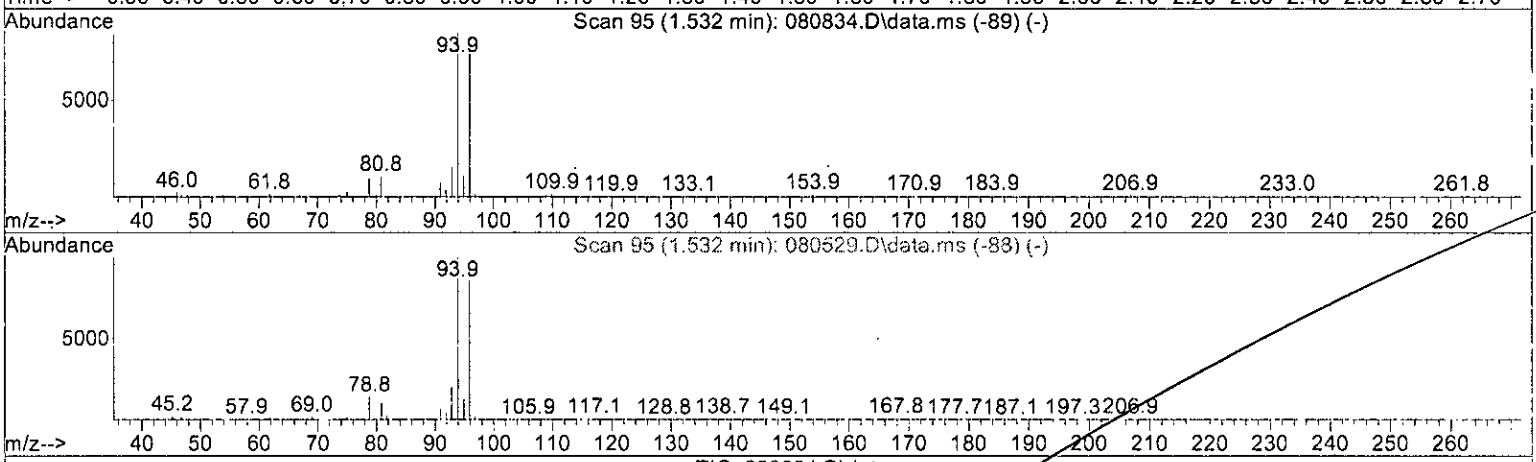
(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:35 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080834.D\data.ms

(7) Bromomethane (TMP)

1.532min (+ 0.008) 5.878 ppb

response 19446

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	90.86
0.00	0.00	0.00
0.00	0.00	0.00

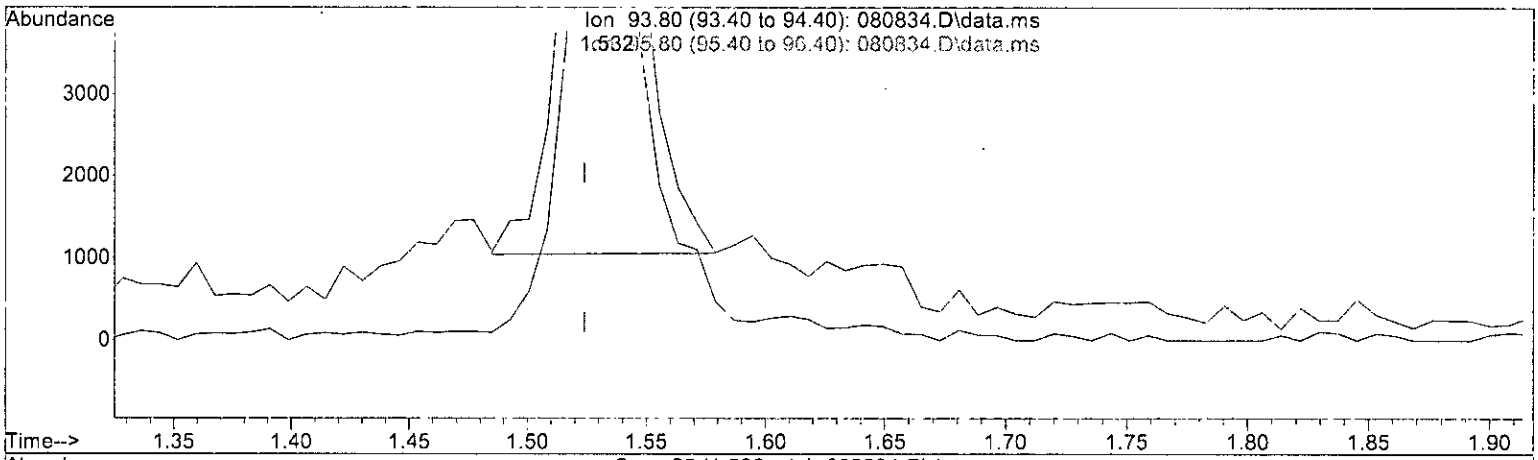
VM

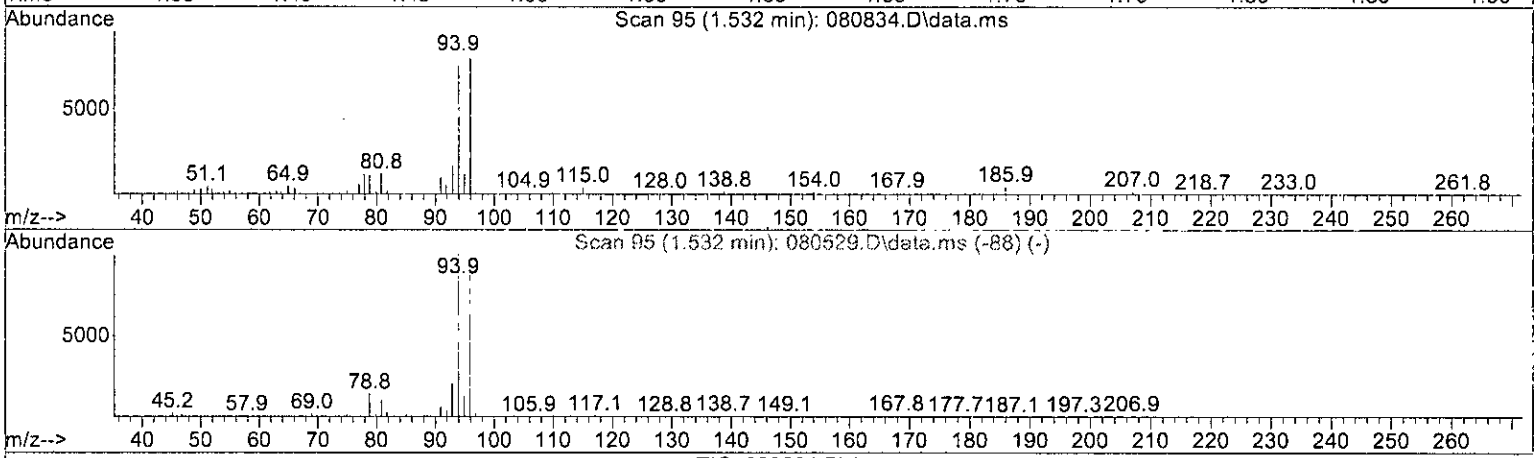
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:35 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080834.D\data.ms

(7) Bromomethane (TMP)

1.532min (+ 0.008) 5.045 ppb m

response 16689

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	84.44
0.00	0.00	0.00
0.00	0.00	0.00

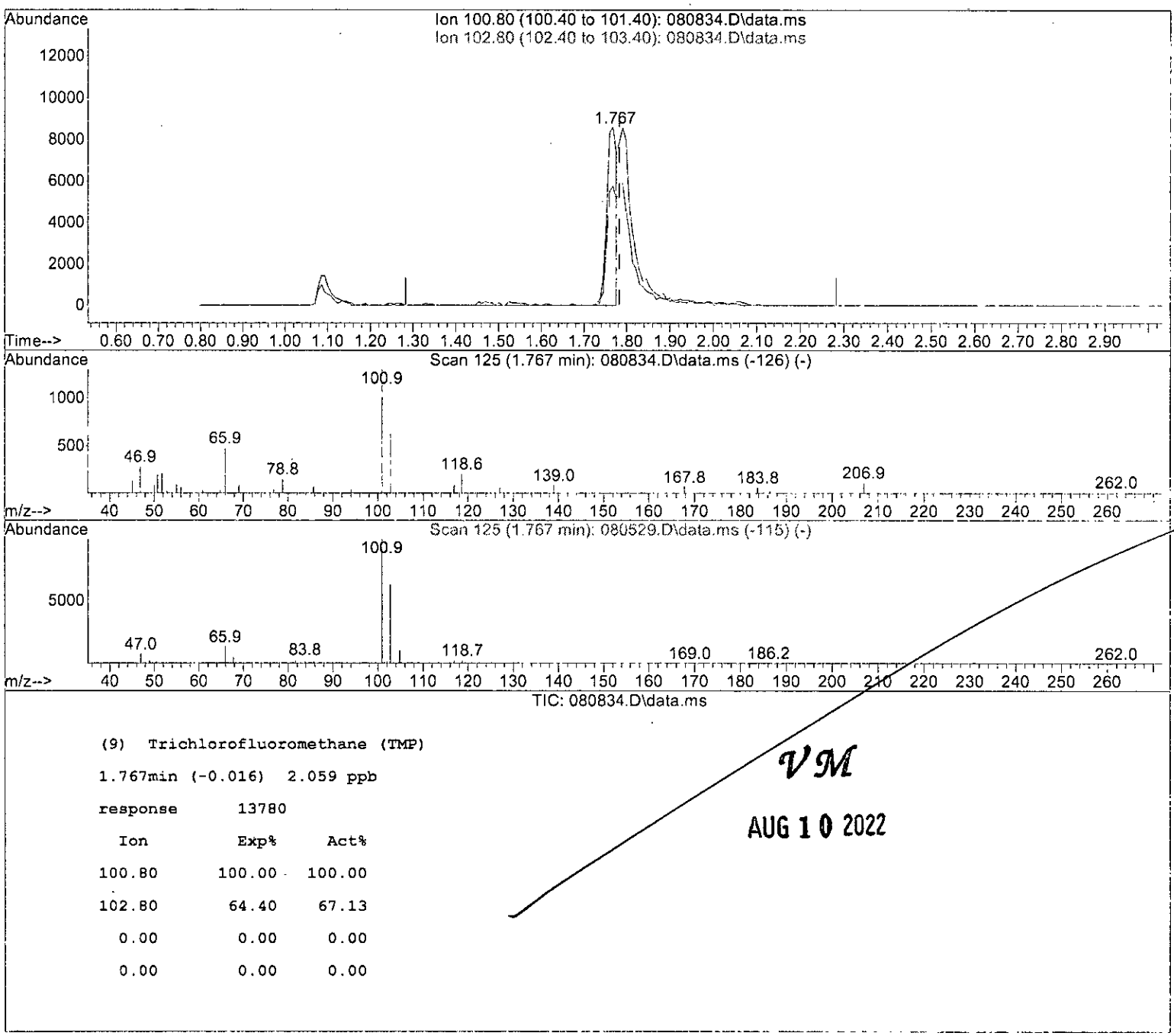
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:35 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080834.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.767min (-0.016) 2.059 ppb

response 13780

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	67.13
0.00	0.00	0.00
0.00	0.00	0.00

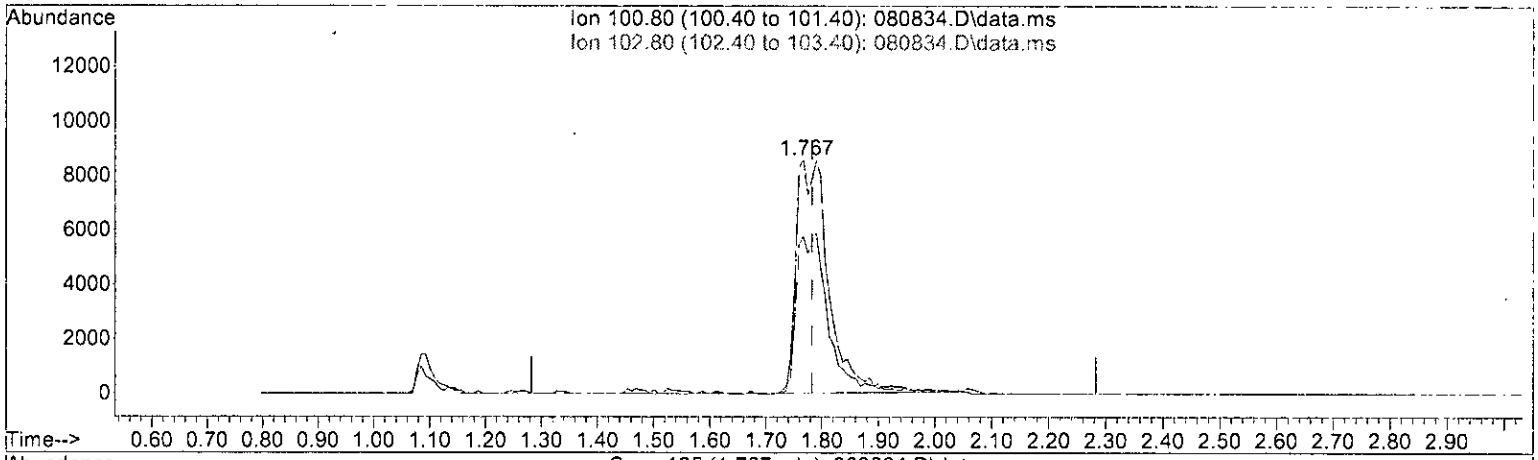
VM

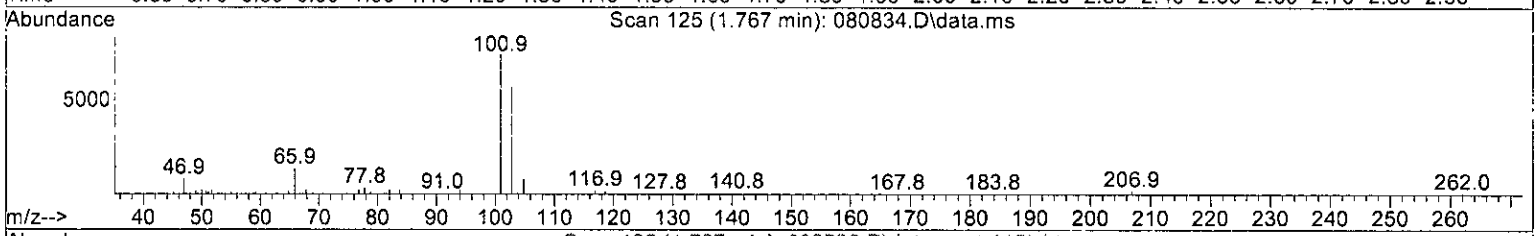
AUG 10 2022

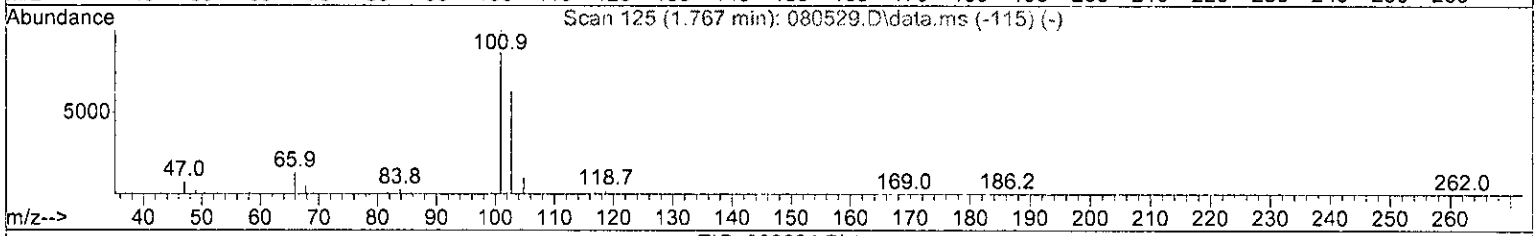
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:35 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080834.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.767min (-0.016) 5.184 ppb m

response 34693

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	67.13
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	69904	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	54991	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31424	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19510	10.193	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.90%			
30) 1,2-Dichloroethane-d4	4.35	102	4144	9.998	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 100.00%			
35) Toluene-d8	5.98	98	68897	10.248	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 102.50%			
57) 4-Bromofluorobenzene	8.38	95	25359	9.767	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 97.70%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	29878	5.214	ppb	99
5) Chloromethane	1.23	50	33495	5.533	ppb	97
6] Vinyl chloride	1.29	62	31395	5.623	ppb	96
7) Bromomethane	1.53	94	16689m	5.045	ppb	
8] Chloroethane	1.59	64	15682	5.553	ppb	91
9) Trichlorofluoromethane	1.77	101	34693m	5.184	ppb	
10) 2-Propanol	2.40	45	98	No Calib		
11) Acetone	2.26	58	4444	24.907	ppb	94
12] 1,1-Dichloroethene	2.18	96	9920	5.204	ppb	93
13) Hexane	3.04	57	15166	5.225	ppb	99
14) Methylene chloride	2.60	84	21058	5.389	ppb	99
15) t-Butyl alcohol (TBA)	2.73	59	5564	26.466	ppb	93
16] Methyl t-butyl ether (...	2.83	73	28156	5.347	ppb	98
17] trans-1,2-Dichloroethene	2.82	96	11133	5.515	ppb	96
18) Diisopropyl ether (DIPE)	3.24	45	33824	5.156	ppb	95
19] 1,1-Dichloroethane	3.17	63	19649	5.191	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	12290	5.334	ppb	91
21) 2,2-Dichloropropane	3.66	77	11287	5.319	ppb	99
22] cis-1,2-Dichloroethene	3.66	96	12221	5.691	ppb	98
23) Chloroform	3.94	83	17777	5.180	ppb	97
24) 2-Butanone (MEK)	3.70	43	22153	25.592	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	26077	5.150	ppb	97
26] 1,2-Dichloroethane (EDC)	4.41	62	14696	5.354	ppb	99
27] 1,1,1-Trichloroethane	4.07	97	16462	5.231	ppb	98

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.21	75	13745	5.286	ppb	98
29) Carbon tetrachloride	4.21	117	13764	5.043	ppb	98
31] Benzene	4.38	78	39507	5.307	ppb	99
32] Trichloroethene	4.93	95	11265	5.270	ppb	98
33) 1,2-Dichloropropane	5.13	63	10852	5.403	ppb	97
34) Bromodichloromethane	5.37	83	12772	5.236	ppb	98
36) Dibromomethane	5.23	93	5776	4.973	ppb	96
37) 4-Methyl-2-pentanone	5.91	85	7365	25.853	ppb	95
38) cis-1,3-Dichloropropene	5.75	75	15251	5.542	ppb	97
40] Toluene	6.03	92	24571	5.188	ppb	100
41) trans-1,3-Dichloropropene	6.25	75	12802	5.039	ppb	97
42] 1,1,2-Trichloroethane	6.40	83	7191	5.225	ppb	99
43) 2-Hexanone	6.64	43	33906	25.817	ppb	98
44) 1,3-Dichloropropane	6.55	76	13006	5.325	ppb	97
45] Tetrachloroethene	6.51	164	10157	5.277	ppb	99
46) Dibromochloromethane	6.75	129	9300	5.024	ppb	89
47] 1,2-Dibromoethane (EDB)	6.85	107	8693	5.036	ppb	99
48) Chlorobenzene	7.30	112	27493	5.119	ppb	98
49] Ethylbenzene	7.40	91	46207	5.244	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.38	131	9869	5.097	ppb	97
51] m,p-Xylene	7.52	106	35643	10.431	ppb	100
52] o-Xylene	7.88	106	17671	5.211	ppb	98
53) Styrene	7.90	104	28077	5.159	ppb	97
54) Isopropylbenzene	8.23	105	44468	5.025	ppb	98
55) Bromoform	8.07	173	6434	5.128	ppb	96
58) n-Propylbenzene	8.63	91	51211	5.123	ppb	98
59) Bromobenzene	8.52	156	12730	5.122	ppb	97
60) 1,3,5-Trimethylbenzene	8.80	105	37457	5.055	ppb	96
61) 1,1,2,2-Tetrachloroethane	8.53	83	10752	5.279	ppb	95
62) 1,2,3-Trichloropropane	8.57	75	7834	5.475	ppb	94
63) 2-Chlorotoluene	8.70	91	30619	5.173	ppb	98
64) 4-Chlorotoluene	8.81	91	36071	5.269	ppb	94
65) tert-Butylbenzene	9.11	119	33623	5.080	ppb	93
66) 1,2,4-Trimethylbenzene	9.16	105	38340	5.028	ppb	99
67) sec-Butylbenzene	9.32	105	49438	5.113	ppb	98
68) p-Isopropyltoluene	9.47	119	41694	4.989	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	23687	5.071	ppb	96
70) 1,4-Dichlorobenzene	9.51	146	22927	5.034	ppb	96
71) 1,2-Dichlorobenzene	9.87	146	23636	5.175	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	1795	4.904	ppb	94
73) 1,2,4-Trichlorobenzene	11.44	180	17553	5.073	ppb	92

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

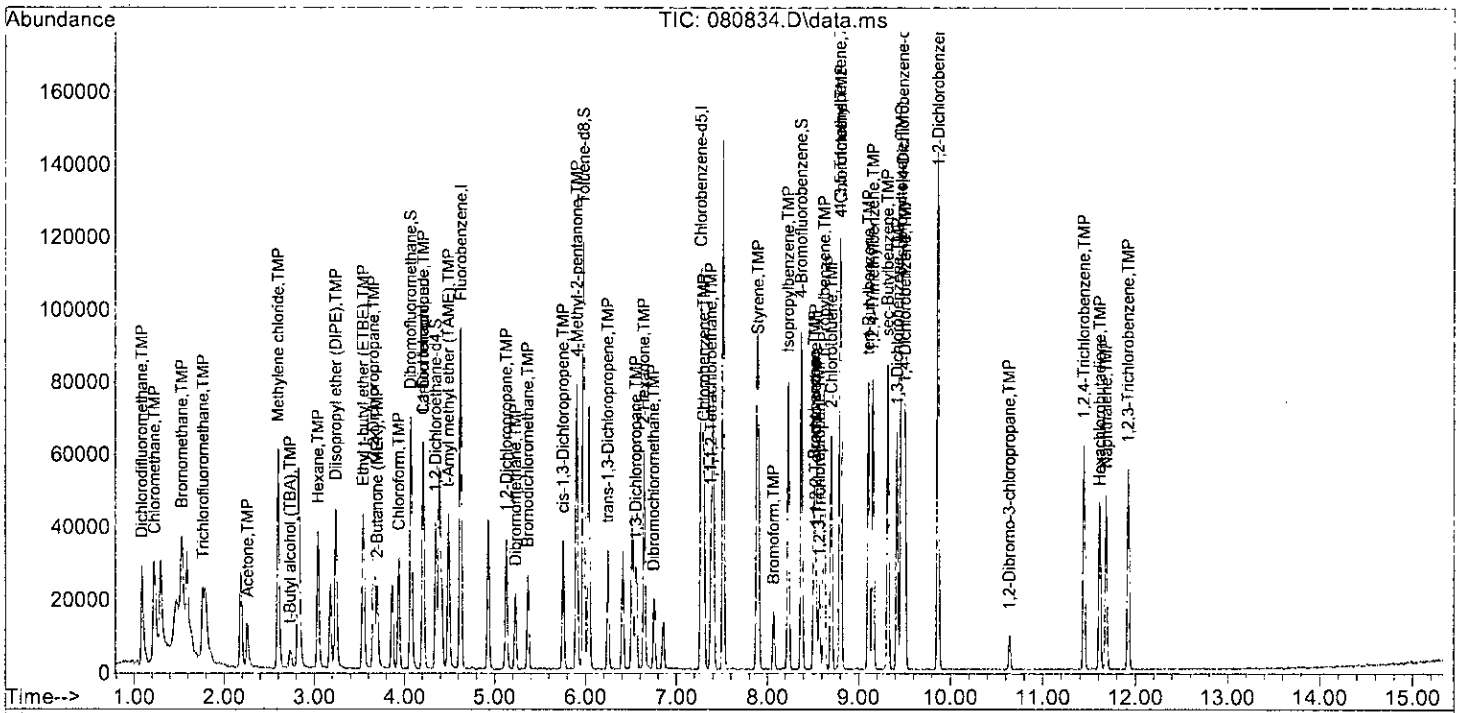
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.62	225	9730	5.104	ppb	97
75) Naphthalene	11.69	128	33160	5.006	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	15433	4.979	ppb	93

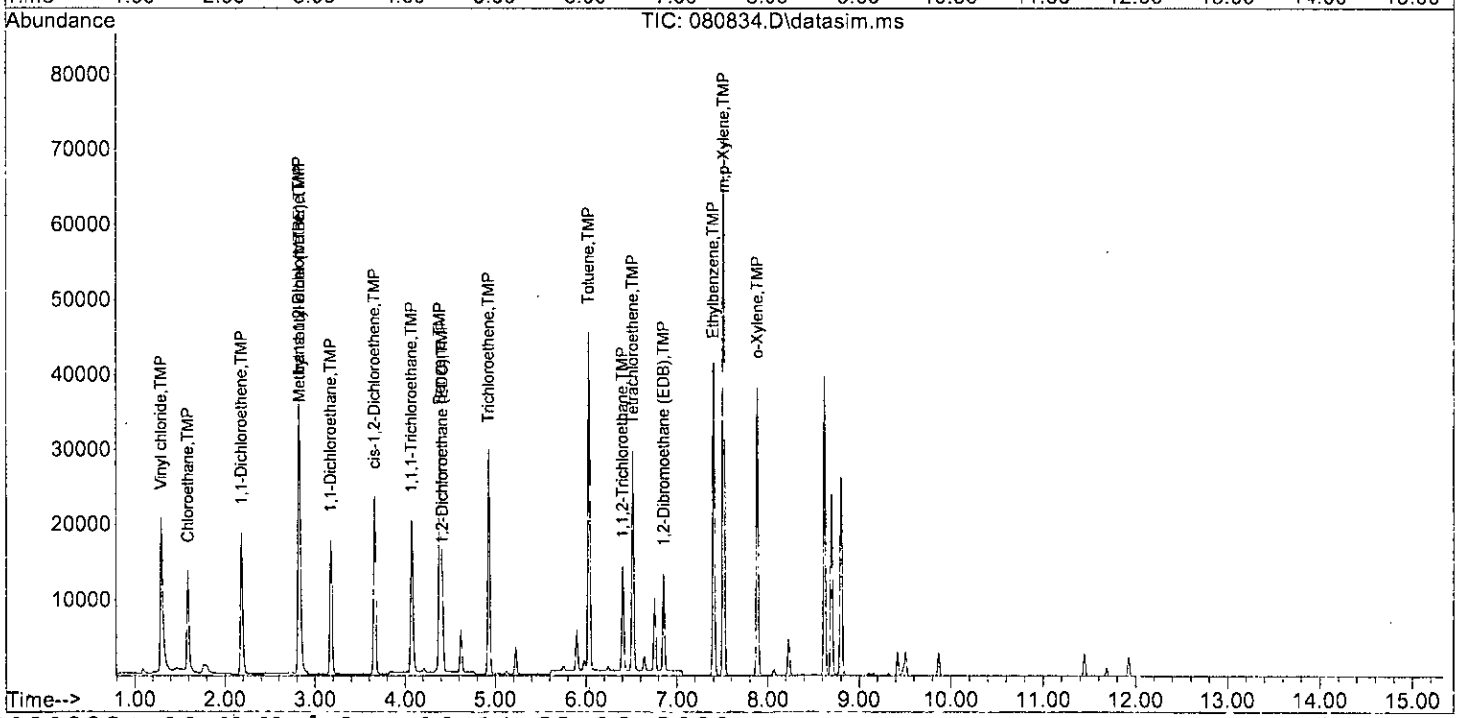
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
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Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
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QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.193	-1.9	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	5.214	-4.3	100	0.00
5	TMP	Chloromethane	5.000	5.533	-10.7	104	0.00
6	TMP	Vinyl chloride	5.000	5.623	-12.5	100	0.00
7	TMP	Bromomethane	5.000	5.045	-0.9	104	0.00
8	TMP	Chloroethane	5.000	5.553	-11.1	100	0.00
9	TMP	Trichlorofluoromethane	5.000	5.184	-3.7	94	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	25.000	24.907	0.4	100	0.00
12	TMP	1,1-Dichloroethene	5.000	5.204	-4.1	100	0.00
13	TMP	Hexane	5.000	5.225	-4.5	100	0.00
14	TMP	Methylene chloride	5.000	5.389	-7.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	25.000	26.466	-5.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	5.000	5.347	-6.9	102	0.00
17	TMP	trans-1,2-Dichloroethene	5.000	5.515	-10.3	107	0.00
18	TMP	Diisopropyl ether (DIPE)	5.000	5.156	-3.1	100	0.00
19	TMP	1,1-Dichloroethane	5.000	5.191	-3.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	5.334	-6.7	100	0.00
21	TMP	2,2-Dichloropropane	5.000	5.319	-6.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	5.000	5.691	-13.8	100	0.00
23	TMP	Chloroform	5.000	5.180	-3.6	100	0.00
24	TMP	2-Butanone (MEK)	25.000	25.592	-2.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	5.000	5.150	-3.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	5.000	5.354	-7.1	100	0.00
27	TMP	1,1,1-Trichloroethane	5.000	5.231	-4.6	100	0.00
28	TMP	1,1-Dichloropropene	5.000	5.286	-5.7	100	0.00
29	TMP	Carbon tetrachloride	5.000	5.043	-0.9	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.998	0.0	100	0.00
31	TMP	Benzene	5.000	5.307	-6.1	100	0.00
32	TMP	Trichloroethene	5.000	5.270	-5.4	100	0.00
33	TMP	1,2-Dichloropropane	5.000	5.403	-8.1	100	0.00
34	TMP	Bromodichloromethane	5.000	5.236	-4.7	100	0.00
35	S	Toluene-d8	10.000	10.248	-2.5	100	0.00
36	TMP	Dibromomethane	5.000	4.973	0.5	100	0.00
37	TMP	4-Methyl-2-pentanone	25.000	25.853	-3.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	5.000	5.542	-10.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	5.000	5.188	-3.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	5.000	5.039	-0.8	100	0.00
42	TMP	1,1,2-Trichloroethane	5.000	5.225	-4.5	100	0.00
43	TMP	2-Hexanone	25.000	25.817	-3.3	100	0.00
44	TMP	1,3-Dichloropropane	5.000	5.325	-6.5	100	0.00
45	TMP	Tetrachloroethene	5.000	5.277	-5.5	100	0.00
46	TMP	Dibromochloromethane	5.000	5.024	-0.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	5.000	5.036	-0.7	100	0.00
48	TMP	Chlorobenzene	5.000	5.119	-2.4	100	0.00
49	TMP	Ethylbenzene	5.000	5.244	-4.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	5.000	5.097	-1.9	100	0.00
51	TMP	m,p-Xylene	10.000	10.431	-4.3	100	0.00
52	TMP	o-Xylene	5.000	5.211	-4.2	100	0.00
53	TMP	Styrene	5.000	5.159	-3.2	100	0.00
54	TMP	Isopropylbenzene	5.000	5.025	-0.5	100	0.00
55	TMP	Bromoform	5.000	5.128	-2.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.767	2.3	100	0.00
58	TMP	n-Propylbenzene	5.000	5.123	-2.5	100	0.00
59	TMP	Bromobenzene	5.000	5.122	-2.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	5.000	5.055	-1.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	5.000	5.279	-5.6	100	0.00
62	TMP	1,2,3-Trichloropropane	5.000	5.475	-9.5	100	0.00
63	TMP	2-Chlorotoluene	5.000	5.173	-3.5	100	0.00
64	TMP	4-Chlorotoluene	5.000	5.269	-5.4	100	0.00
65	TMP	tert-Butylbenzene	5.000	5.080	-1.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	5.000	5.028	-0.6	100	0.00
67	TMP	sec-Butylbenzene	5.000	5.113	-2.3	100	0.00
68	TMP	p-Isopropyltoluene	5.000	4.989	0.2	100	0.00
69	TMP	1,3-Dichlorobenzene	5.000	5.071	-1.4	100	0.00
70	TMP	1,4-Dichlorobenzene	5.000	5.034	-0.7	100	0.00
71	TMP	1,2-Dichlorobenzene	5.000	5.175	-3.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	5.000	4.904	1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	5.000	5.073	-1.5	100	0.00
74 TMP	Hexachlorobutadiene	5.000	5.104	-2.1	100	0.00
75 TMP	Naphthalene	5.000	5.006	-0.1	100	0.00
76 TMP	1,2,3-Trichlorobenzene	5.000	4.979	0.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.279	-1.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.855	-4.3	100	0.00
5	TMP	Chloromethane	0.866	0.958	-10.6	104	0.00
6	TMP	Vinyl chloride	0.799	0.898	-12.4	100	0.00
7	TMP	Bromomethane	0.473	0.477	-0.8	104	0.00
8	TMP	Chloroethane	0.404	0.449	-11.1	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.993	-3.8	94	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.025	0.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.284	-4.0	100	0.00
13	TMP	Hexane	0.415	0.434	-4.6	100	0.00
14	TMP	Methylene chloride	0.362	0.602	-66.3#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.032	-6.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.806	-7.0	102	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.319	-1.3	107	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.968	-3.2	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.562	-3.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.352	-6.7	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.323	-1.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.350	-7.7	100	0.00
23	TMP	Chloroform	0.491	0.509	-3.7	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.127	3.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.746	-3.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.420	8.1	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.471	-4.7	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.393	-5.6	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.394	-1.0	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.059	0.0	100	0.00
31	TMP	Benzene	1.115	1.130	-1.3	100	0.00
32	TMP	Trichloroethene	0.327	0.322	1.5	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.310	-8.0	100	0.00
34	TMP	Bromodichloromethane	0.349	0.365	-4.6	100	0.00
35	S	Toluene-d8	0.962	0.986	-2.5	100	0.00
36	TMP	Dibromomethane	0.166	0.165	0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.042	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.436	-10.7	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.894	14.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.466	-0.9	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.262	-4.8	100	0.00
43	TMP	2-Hexanone	0.239	0.247	-3.3	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.473	-6.5	100	0.00
45	TMP	Tetrachloroethene	0.421	0.369	12.4	100	0.00
46	TMP	Dibromochloromethane	0.337	0.338	-0.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.316	-0.6	100	0.00
48	TMP	Chlorobenzene	0.977	1.000	-2.4	100	0.00
49	TMP	Ethylbenzene	1.708	1.681	1.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.359	-2.0	100	0.00
51	TMP	m,p-Xylene	0.670	0.648	3.3	100	0.00
52	TMP	o-Xylene	0.661	0.643	2.7	100	0.00
53	TMP	Styrene	0.990	1.021	-3.1	100	0.00
54	TMP	Isopropylbenzene	1.609	1.617	-0.5	100	0.00
55	TMP	Bromoform	0.228	0.234	-2.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.807	2.3	100	0.00
58	TMP	n-Propylbenzene	3.181	3.259	-2.5	100	0.00
59	TMP	Bromobenzene	0.791	0.810	-2.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.384	-1.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.684	-5.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.499#	-9.7	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.949	-3.5	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.296	-5.4	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.140	-1.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.440	-0.5	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.147	-2.3	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.654	0.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.508	-1.4	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.459	-0.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.504	-3.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.114	1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

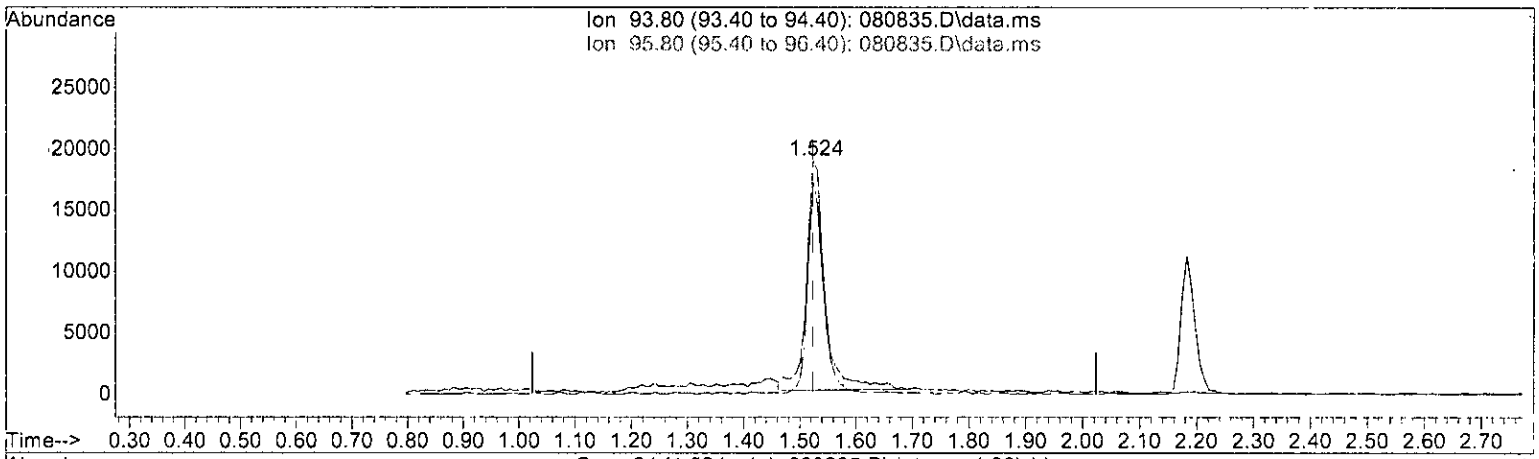
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.117	-1.5	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.619	-2.0	100	0.00
75 TMP	Naphthalene	2.108	2.110	-0.1	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.982	0.4	100	0.00

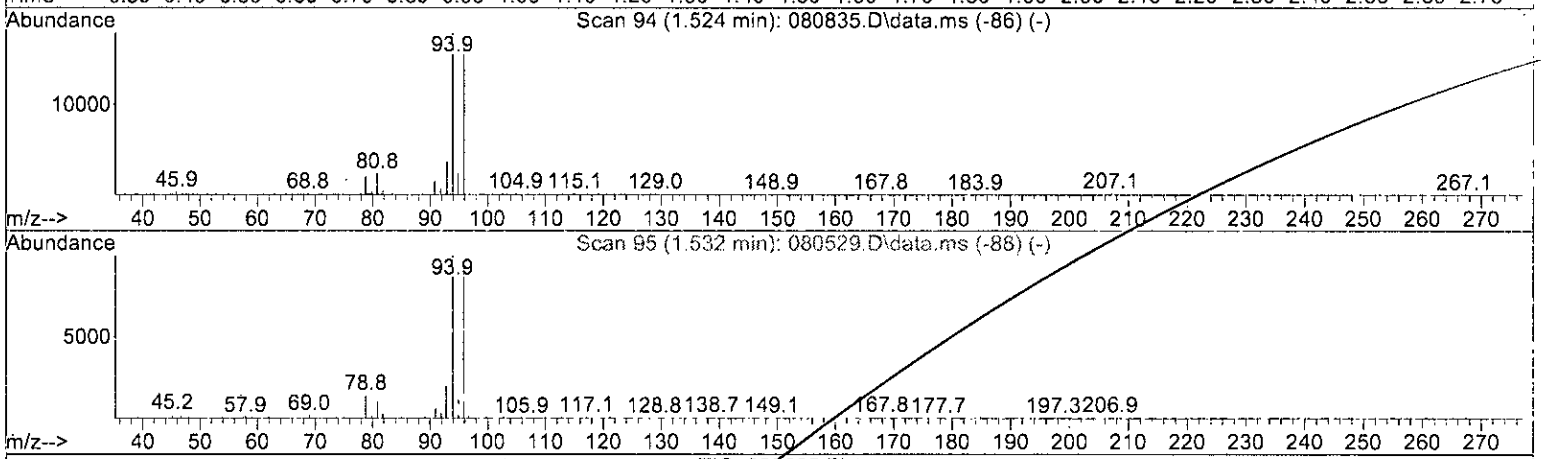
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080835.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 12.805 ppb

response 43773

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	92.14
0.00	0.00	0.00
0.00	0.00	0.00

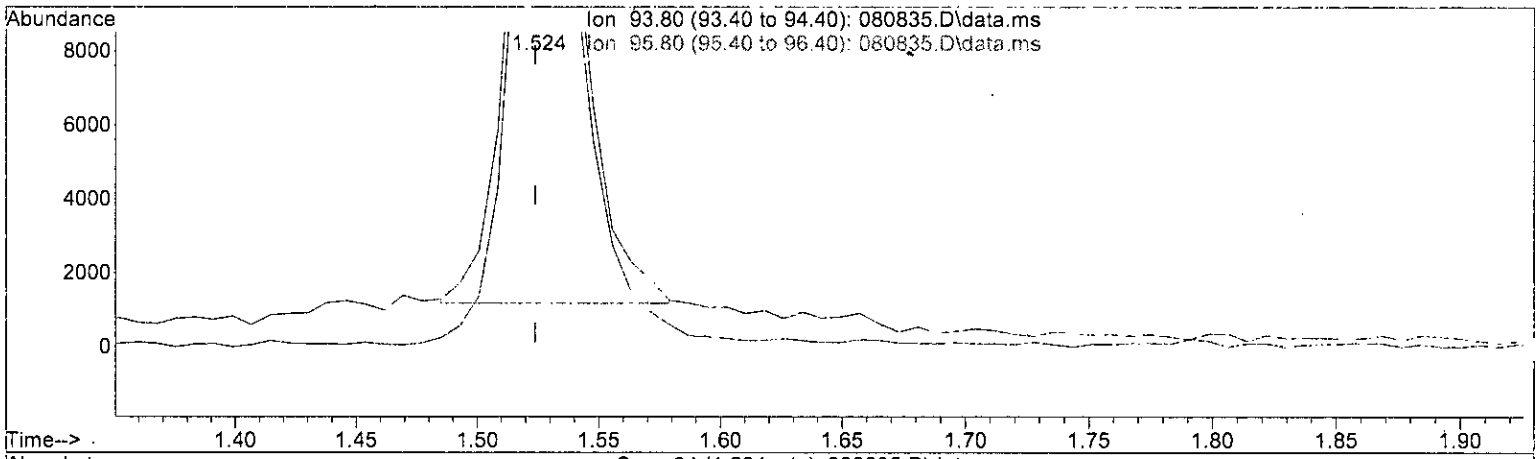
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080835.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 10.080 ppb m

response 34457

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	90.68
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	72235	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	55909	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32282	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19781	10.001	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.00%			
30) 1,2-Dichloroethane-d4	4.35	102	4366	10.194	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 101.90%			
35) Toluene-d8	5.98	98	69723	10.036	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.40%			
57) 4-Bromofluorobenzene	8.38	95	26672	9.999	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.00%			
Target Compounds						Qvalue
2) Ethanol	1.89	45	50	No Calib		
4) Dichlorodifluoromethane	1.09	85	61228	10.340	ppb	100
5) Chloromethane	1.22	50	64102	10.247	ppb	100
6] Vinyl chloride	1.29	62	63763	11.051	ppb	100
7) Bromomethane	1.52	94	34457m	10.080	ppb	
8] Chloroethane	1.58	64	31553	10.811	ppb	100
9) Trichlorofluoromethane	1.78	101	69401	10.035	ppb	100
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.25	58	8962	50.041	ppb	100
12] 1,1-Dichloroethene	2.18	96	20258	10.285	ppb	100
13) Hexane	3.04	57	31184	10.397	ppb	100
14) Methylene chloride	2.60	84	31189	9.692	ppb	100
15) t-Butyl alcohol (TBA)	2.72	59	11409	52.517	ppb	100
16] Methyl t-butyl ether (...	2.83	73	57520	10.570	ppb	100
17] trans-1,2-Dichloroethene	2.82	96	22350	10.727	ppb	100
18) Diisopropyl ether (DIPE)	3.24	45	68987	10.178	ppb	100
19] 1,1-Dichloroethane	3.17	63	40132	10.260	ppb	100
20) Ethyl t-butyl ether (E...	3.54	87	25136	10.558	ppb	100
21) 2,2-Dichloropropane	3.66	77	21779	10.072	ppb	100
22] cis-1,2-Dichloroethene	3.66	96	22916	10.333	ppb	100
23) Chloroform	3.94	83	36835	10.387	ppb	100
24) 2-Butanone (MEK)	3.70	43	45153	50.920	ppb	100
25) t-Amyl methyl ether (T...	4.49	73	54765	10.467	ppb	100
26] 1,2-Dichloroethane (EDC)	4.41	62	29942	10.581	ppb	100
27] 1,1,1-Trichloroethane	4.07	97	33844	10.408	ppb	100

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.21	75	27740	10.325	ppb	100
29) Carbon tetrachloride	4.21	117	28805	10.213	ppb	100
31] Benzene	4.39	78	80991	10.535	ppb	100
32] Trichloroethene	4.93	95	23328	10.573	ppb	100
33) 1,2-Dichloropropane	5.13	63	20941	10.090	ppb	100
34) Bromodichloromethane	5.37	83	25396	10.076	ppb	100
36) Dibromomethane	5.23	93	12039	10.032	ppb	100
37) 4-Methyl-2-pentanone	5.91	85	15396	52.299	ppb	100
38) cis-1,3-Dichloropropene	5.75	75	29976	10.541	ppb	100
40] Toluene	6.03	92	50393	10.535	ppb	100
41) trans-1,3-Dichloropropene	6.25	75	25978	10.057	ppb	100
42] 1,1,2-Trichloroethane	6.40	83	14707	10.511	ppb	100
43) 2-Hexanone	6.64	43	69920	52.364	ppb	100
44) 1,3-Dichloropropane	6.55	76	25704	10.351	ppb	100
45] Tetrachloroethene	6.51	164	21151	10.842	ppb	100
46) Dibromochloromethane	6.75	129	20309	10.792	ppb	100
47] 1,2-Dibromoethane (EDB)	6.85	107	17943	10.223	ppb	100
48) Chlorobenzene	7.30	112	56786	10.399	ppb	100
49] Ethylbenzene	7.40	91	95327	10.651	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.38	131	20439	10.382	ppb	100
51] m,p-Xylene	7.52	106	73724	21.246	ppb	100
52] o-Xylene	7.88	106	36316	10.545	ppb	100
53) Styrene	7.90	104	57803	10.447	ppb	100
54) Isopropylbenzene	8.23	105	92783	10.313	ppb	100
55) Bromoform	8.07	173	12898	10.112	ppb	100
58) n-Propylbenzene	8.63	91	107102	10.430	ppb	100
59) Bromobenzene	8.52	156	26812	10.501	ppb	100
60) 1,3,5-Trimethylbenzene	8.80	105	79137	10.397	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.54	83	21682	10.363	ppb	100
62) 1,2,3-Trichloropropane	8.57	75	15946	10.849	ppb	100
63) 2-Chlorotoluene	8.70	91	62957	10.353	ppb	100
64) 4-Chlorotoluene	8.81	91	74394	10.577	ppb	100
65) tert-Butylbenzene	9.11	119	71378	10.497	ppb	100
66) 1,2,4-Trimethylbenzene	9.16	105	80521	10.279	ppb	100
67) sec-Butylbenzene	9.32	105	103608	10.432	ppb	100
68) p-Isopropyltoluene	9.47	119	89283	10.399	ppb	100
69) 1,3-Dichlorobenzene	9.42	146	51026	10.632	ppb	100
70) 1,4-Dichlorobenzene	9.51	146	48723	10.414	ppb	100
71) 1,2-Dichlorobenzene	9.87	146	49007	10.444	ppb	100
72) 1,2-Dibromo-3-chloropr...	10.64	75	3605	9.586	ppb	100
73) 1,2,4-Trichlorobenzene	11.44	180	36798	10.353	ppb	100

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

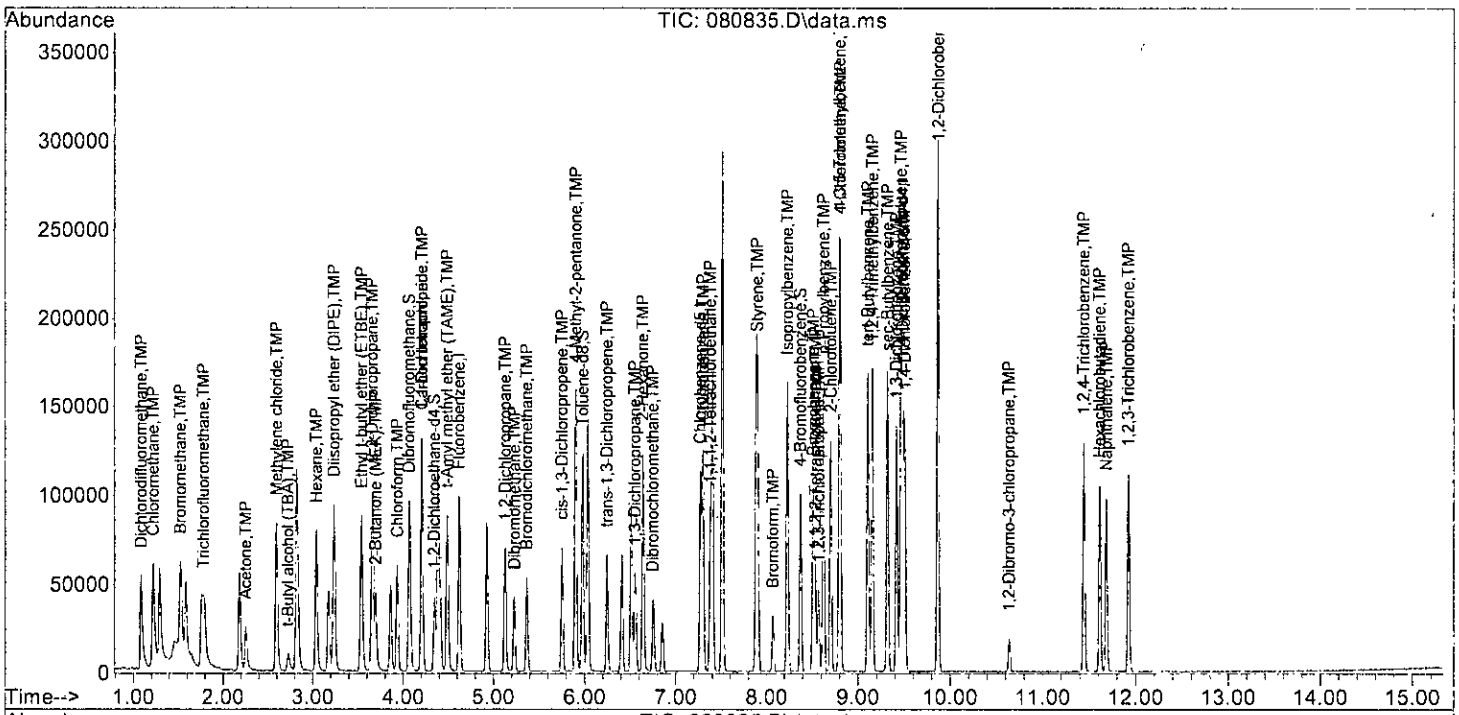
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	20617	10.528	ppb	100
75) Naphthalene	11.69	128	68594	10.081	ppb	100
76) 1,2,3-Trichlorobenzene	11.92	180	32330	10.154	ppb	100

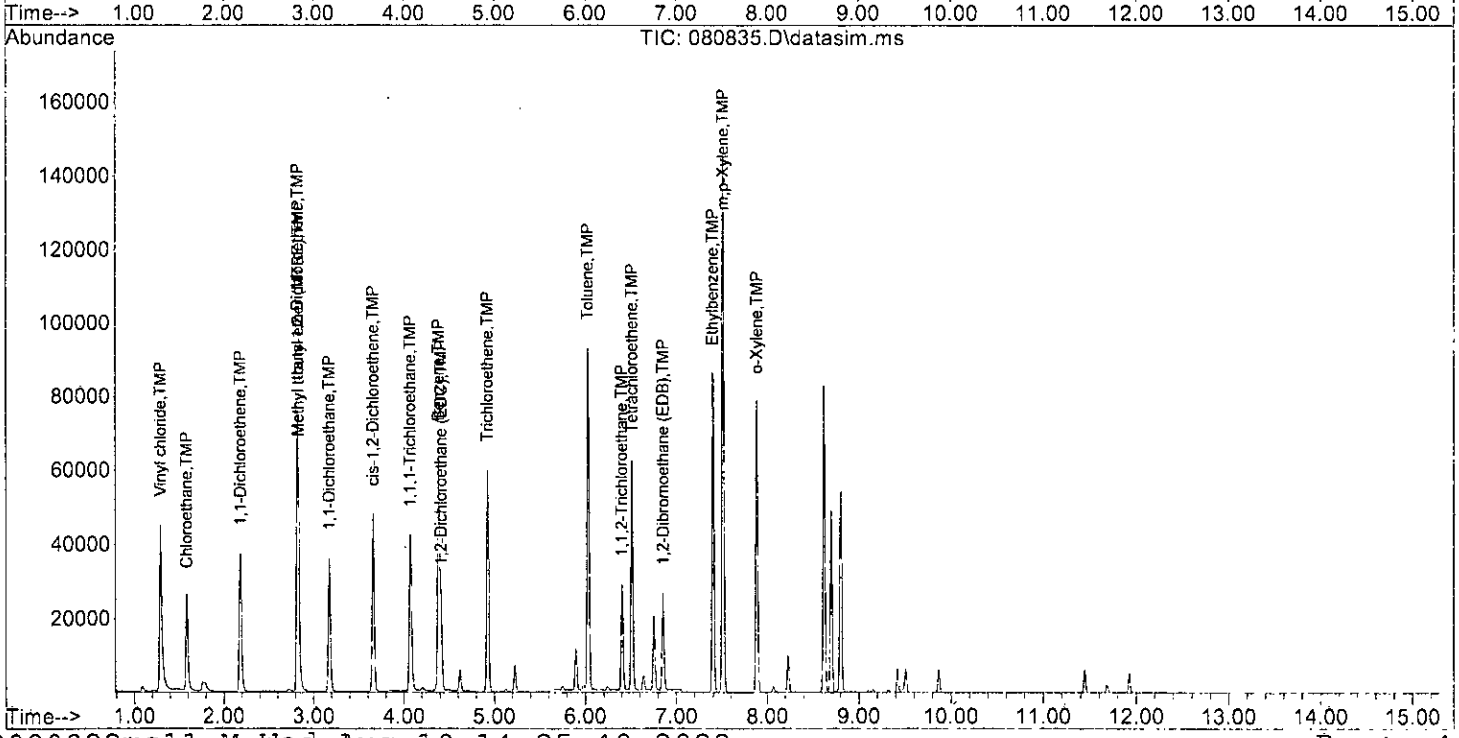
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.001	-0.0	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	10.340	-3.4	100	0.00
5	TMP	Chloromethane	10.000	10.247	-2.5	100	0.00
6	TMP	Vinyl chloride	10.000	11.051	-10.5	103	0.00
7	TMP	Bromomethane	10.000	10.080	-0.8	100	0.00
8	TMP	Chloroethane	10.000	10.811	-8.1	101	0.00
9	TMP	Trichlorofluoromethane	10.000	10.035	-0.4	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	50.000	50.041	-0.1	100	0.00
12	TMP	1,1-Dichloroethene	10.000	10.285	-2.9	100	0.00
13	TMP	Hexane	10.000	10.397	-4.0	100	0.00
14	TMP	Methylene chloride	10.000	9.692	3.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	52.517	-5.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.570	-5.7	101	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.727	-7.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.178	-1.8	100	0.00
19	TMP	1,1-Dichloroethane	10.000	10.260	-2.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.558	-5.6	100	0.00
21	TMP	2,2-Dichloropropane	10.000	10.072	-0.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.333	-3.3	100	0.00
23	TMP	Chloroform	10.000	10.387	-3.9	100	0.00
24	TMP	2-Butanone (MEK)	50.000	50.920	-1.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.467	-4.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.581	-5.8	100	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.408	-4.1	100	0.00
28	TMP	1,1-Dichloropropene	10.000	10.325	-3.2	100	0.00
29	TMP	Carbon tetrachloride	10.000	10.213	-2.1	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.194	-1.9	100	0.00
31	TMP	Benzene	10.000	10.535	-5.4	100	0.00
32	TMP	Trichloroethene	10.000	10.573	-5.7	100	0.00
33	TMP	1,2-Dichloropropane	10.000	10.090	-0.9	100	0.00
34	TMP	Bromodichloromethane	10.000	10.076	-0.8	100	0.00
35	S	Toluene-d8	10.000	10.036	-0.4	100	0.00
36	TMP	Dibromomethane	10.000	10.032	-0.3	100	0.00
37	TMP	4-Methyl-2-pentanone	50.000	52.299	-4.6	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	10.000	10.541	-5.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	10.000	10.535	-5.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	10.057	-0.6	100	0.00
42	TMP	1,1,2-Trichloroethane	10.000	10.511	-5.1	100	0.00
43	TMP	2-Hexanone	50.000	52.364	-4.7	100	0.00
44	TMP	1,3-Dichloropropane	10.000	10.351	-3.5	100	0.00
45	TMP	Tetrachloroethene	10.000	10.842	-8.4	100	0.00
46	TMP	Dibromochloromethane	10.000	10.792	-7.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.223	-2.2	100	0.00
48	TMP	Chlorobenzene	10.000	10.399	-4.0	100	0.00
49	TMP	Ethylbenzene	10.000	10.651	-6.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.382	-3.8	100	0.00
51	TMP	m,p-Xylene	20.000	21.246	-6.2	100	0.00
52	TMP	o-Xylene	10.000	10.545	-5.4	100	0.00
53	TMP	Styrene	10.000	10.447	-4.5	100	0.00
54	TMP	Isopropylbenzene	10.000	10.313	-3.1	100	0.00
55	TMP	Bromoform	10.000	10.112	-1.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.999	0.0	100	0.00
58	TMP	n-Propylbenzene	10.000	10.430	-4.3	100	0.00
59	TMP	Bromobenzene	10.000	10.501	-5.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.397	-4.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.363	-3.6	100	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.849	-8.5	100	0.00
63	TMP	2-Chlorotoluene	10.000	10.353	-3.5	100	0.00
64	TMP	4-Chlorotoluene	10.000	10.577	-5.8	100	0.00
65	TMP	tert-Butylbenzene	10.000	10.497	-5.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.279	-2.8	100	0.00
67	TMP	sec-Butylbenzene	10.000	10.432	-4.3	100	0.00
68	TMP	p-Isopropyltoluene	10.000	10.399	-4.0	100	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.632	-6.3	100	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.414	-4.1	100	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.444	-4.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.586	4.1	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	10.000	10.353	-3.5	100	0.00
74 TMP	Hexachlorobutadiene	10.000	10.528	-5.3	100	0.00
75 TMP	Naphthalene	10.000	10.081	-0.8	100	0.00
76 TMP	1,2,3-Trichlorobenzene	10.000	10.154	-1.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.274	0.274	0.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.848	-3.4	100	0.00
5	TMP	Chloromethane	0.866	0.887	-2.4	100	0.00
6	TMP	Vinyl chloride	0.799	0.883	-10.5	103	0.00
7	TMP	Bromomethane	0.473	0.477	-0.8	100	0.00
8	TMP	Chloroethane	0.404	0.437	-8.2	101	0.00
9	TMP	Trichlorofluoromethane	0.957	0.961	-0.4	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.025	0.025	0.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.280	-2.6	100	0.00
13	TMP	Hexane	0.415	0.432	-4.1	100	0.00
14	TMP	Methylene chloride	0.362	0.432	-19.3	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.032	-6.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.796	-5.7	101	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.309	1.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.955	-1.8	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.556	-2.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.348	-5.5	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.302	5.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.317	2.5	100	0.00
23	TMP	Chloroform	0.491	0.510	-3.9	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.125	4.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.758	-4.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.415	9.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.469	-4.2	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.384	-3.2	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.399	-2.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.060	-1.7	100	0.00
31	TMP	Benzene	1.115	1.121	-0.5	100	0.00
32	TMP	Trichloroethene	0.327	0.323	1.2	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.290	-1.0	100	0.00
34	TMP	Bromodichloromethane	0.349	0.352	-0.9	100	0.00
35	S	Toluene-d8	0.962	0.965	-0.3	100	0.00
36	TMP	Dibromomethane	0.166	0.167	-0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.043	-4.9	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.415	-5.3	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.901	13.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.465	-0.6	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.263	-5.2	100	0.00
43	TMP	2-Hexanone	0.239	0.250	-4.6	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.460	-3.6	100	0.00
45	TMP	Tetrachloroethene	0.421	0.378	10.2	100	0.00
46	TMP	Dibromochloromethane	0.337	0.363	-7.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.321	-2.2	100	0.00
48	TMP	Chlorobenzene	0.977	1.016	-4.0	100	0.00
49	TMP	Ethylbenzene	1.708	1.705	0.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.366	-4.0	100	0.00
51	TMP	m,p-Xylene	0.670	0.659	1.6	100	0.00
52	TMP	o-Xylene	0.661	0.650	1.7	100	0.00
53	TMP	Styrene	0.990	1.034	-4.4	100	0.00
54	TMP	Isopropylbenzene	1.609	1.660	-3.2	100	0.00
55	TMP	Bromoform	0.228	0.231	-1.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.826	0.0	100	0.00
58	TMP	n-Propylbenzene	3.181	3.318	-4.3	100	0.00
59	TMP	Bromobenzene	0.791	0.831	-5.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.451	-3.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.672	-3.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.494#	-8.6	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.950	-3.5	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.305	-5.8	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.211	-5.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.494	-2.8	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.209	-4.3	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.766	-4.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.581	-6.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.509	-4.1	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.518	-4.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.112	3.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

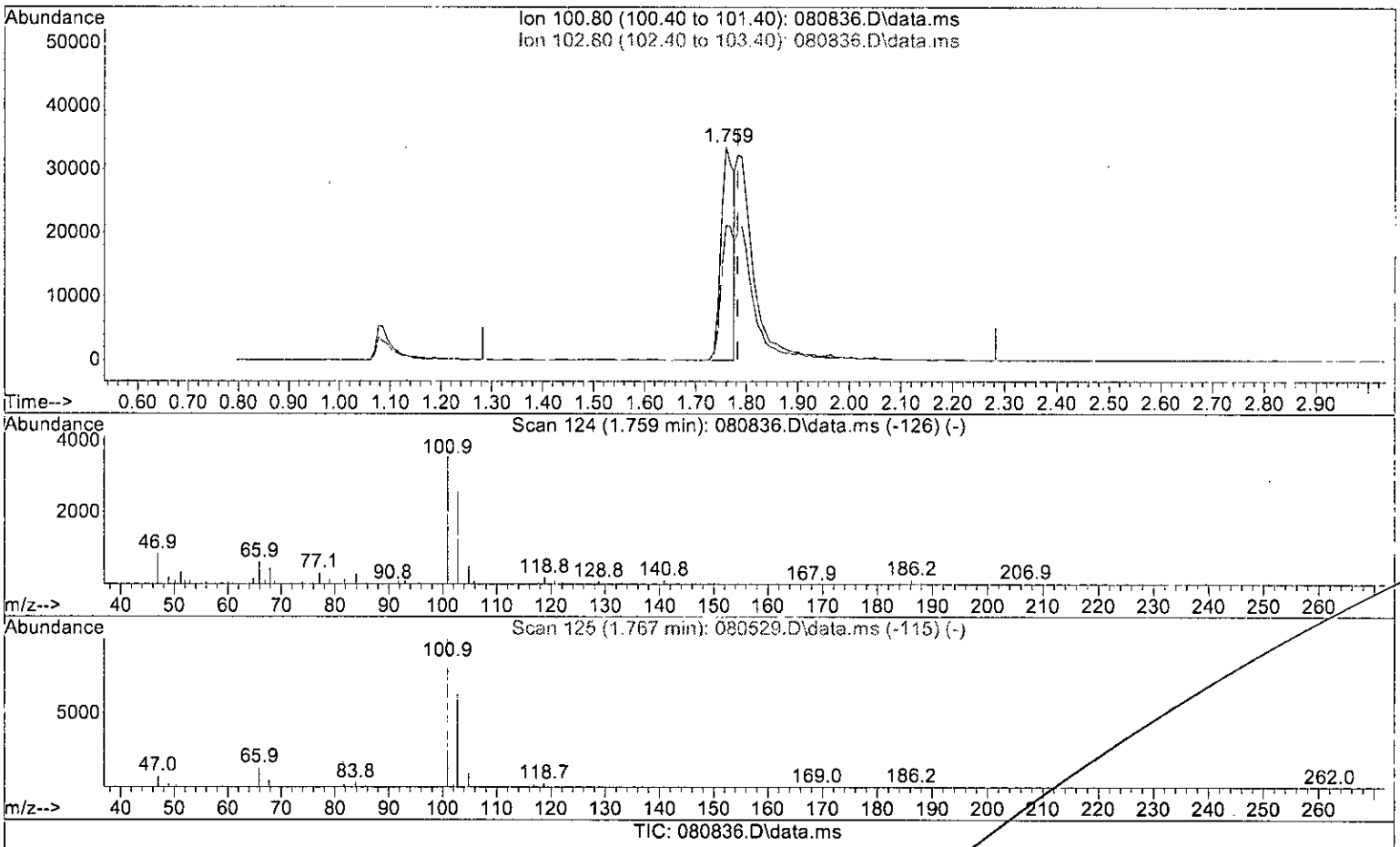
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.140	-3.5	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.639	-5.3	100	0.00
75 TMP	Naphthalene	2.108	2.125	-0.8	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.001	-1.5	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:18 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080836.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.759min (-0.024) 8.836 ppb

response 59999

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.02
0.00	0.00	0.00
0.00	0.00	0.00

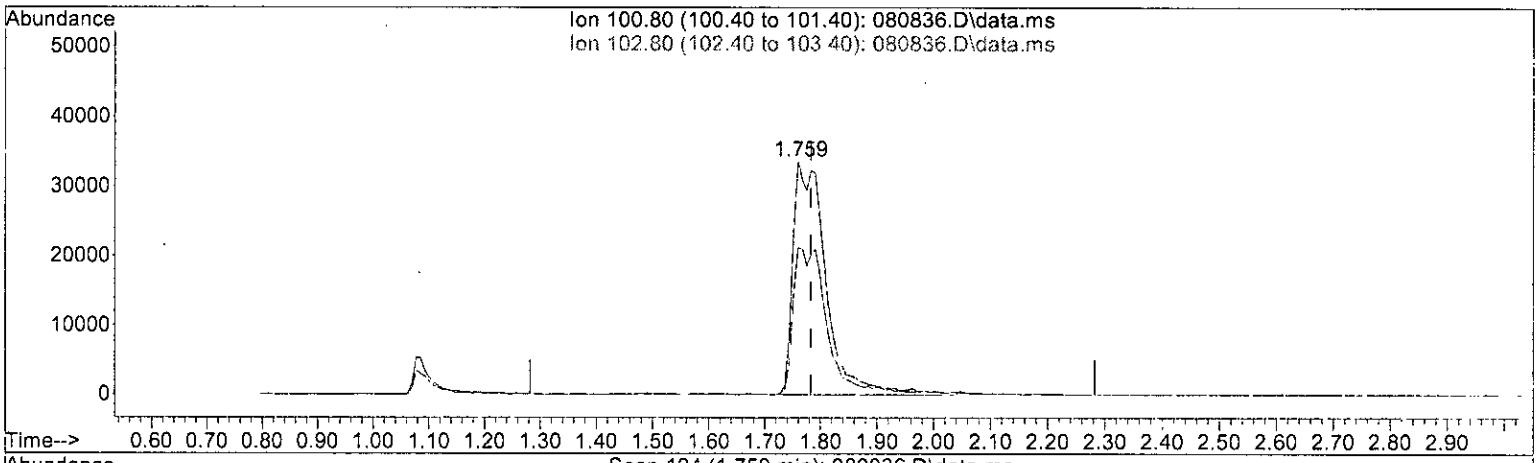
VM

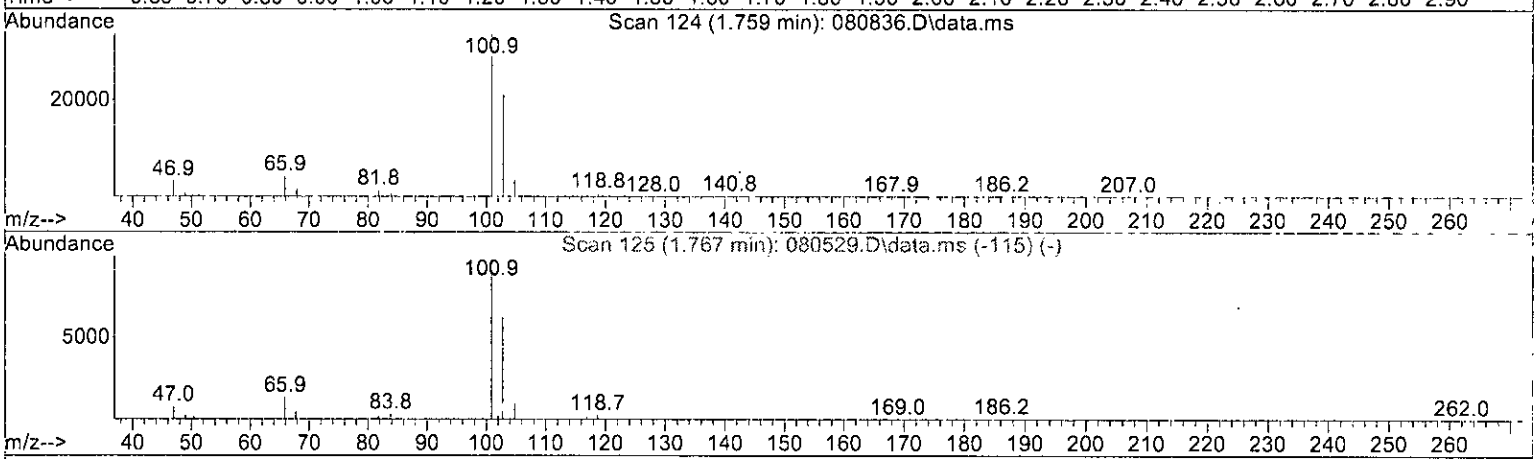
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:18 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080836.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.759min (-0.024) 20.496 ppb m

response 139171

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.02
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

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Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	70922	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	54822	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32142	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	19275	9.925	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.30%				
30) 1,2-Dichloroethane-d4	4.35	102	4250	10.107	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 101.10%				
35) Toluene-d8	5.98	98	69468	10.185	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 101.80%				
57) 4-Bromofluorobenzene	8.38	95	26533	9.991	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 99.90%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.08	85	118434	20.370	ppb		99
5) Chloromethane	1.22	50	125061	20.362	ppb		97
6] Vinyl chloride	1.29	62	121881	21.515	ppb		99
7) Bromomethane	1.52	94	71837	21.404	ppb		88
8] Chloroethane	1.58	64	59221	20.667	ppb		98
9) Trichlorofluoromethane	1.76	101	139171m	20.496	ppb		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.25	58	16192	93.749	ppb		95
12] 1,1-Dichloroethene	2.18	96	38003	19.652	ppb		98
13) Hexane	3.04	57	56860	19.309	ppb		99
14) Methylene chloride	2.60	84	49944	18.790	ppb		92
15) t-Butyl alcohol (TBA)	2.72	59	21489	100.748	ppb		94
16] Methyl t-butyl ether (...	2.83	73	107009	20.028	ppb		100
17] trans-1,2-Dichloroethene	2.82	96	41316	20.209	ppb		98
18) Diisopropyl ether (DIPE)	3.24	45	129513	19.461	ppb		98
19] 1,1-Dichloroethane	3.17	63	75843	19.750	ppb		99
20) Ethyl t-butyl ether (E...	3.54	87	46224	19.775	ppb	#	86
21) 2,2-Dichloropropane	3.66	77	40421	19.261	ppb		100
22] cis-1,2-Dichloroethene	3.66	96	44624	20.504	ppb		97
23) Chloroform	3.94	83	69554	19.976	ppb		99
24) 2-Butanone (MEK)	3.70	43	85892	99.080	ppb		97
25) t-Amyl methyl ether (T...	4.49	73	103851	20.215	ppb		98
26] 1,2-Dichloroethane (EDC)	4.41	62	56442	20.339	ppb		99
27] 1,1,1-Trichloroethane	4.07	97	64244	20.123	ppb		98

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
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Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-43O
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
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DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.21	75	52629	19.951	ppb	100
29) Carbon tetrachloride	4.21	117	55248	19.952	ppb	95
31] Benzene	4.39	78	153243	20.310	ppb	98
32] Trichloroethene	4.93	95	43606	20.138	ppb	98
33) 1,2-Dichloropropane	5.13	63	39827	19.545	ppb	98
34) Bromodichloromethane	5.37	83	48961	19.784	ppb	97
36) Dibromomethane	5.23	93	23366	19.831	ppb	99
37) 4-Methyl-2-pentanone	5.91	85	29618	102.473	ppb	96
38) cis-1,3-Dichloropropene	5.75	75	57392	20.556	ppb	98
40] Toluene	6.03	92	95855	20.500	ppb	100
41) trans-1,3-Dichloropropene	6.25	75	50532	19.950	ppb	98
42] 1,1,2-Trichloroethane	6.40	83	27887	20.326	ppb	98
43) 2-Hexanone	6.64	43	130481	99.656	ppb	99
44) 1,3-Dichloropropane	6.55	76	48510	19.922	ppb	95
45] Tetrachloroethene	6.51	164	39660	20.762	ppb	100
46) Dibromochloromethane	6.76	129	38962	21.114	ppb	92
47] 1,2-Dibromoethane (EDB)	6.85	107	33982	19.745	ppb	99
48) Chlorobenzene	7.30	112	107893	20.150	ppb	99
49] Ethylbenzene	7.40	91	180504	20.577	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.38	131	39297	20.356	ppb	97
51] m,p-Xylene	7.52	106	139394	40.989	ppb	99
52] o-Xylene	7.88	106	69075	20.465	ppb	97
53) Styrene	7.90	104	111943	20.634	ppb	98
54) Isopropylbenzene	8.23	105	174737	19.807	ppb	96
55) Bromoform	8.07	173	25893	20.702	ppb	98
58) n-Propylbenzene	8.63	91	204935	20.044	ppb	99
59) Bromobenzene	8.52	156	49462	19.456	ppb	95
60) 1,3,5-Trimethylbenzene	8.80	105	148980	19.658	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.54	83	40754	19.564	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	29377	20.074	ppb	97
63) 2-Chlorotoluene	8.70	91	118805	19.622	ppb	99
64) 4-Chlorotoluene	8.81	91	138739	19.812	ppb	97
65) tert-Butylbenzene	9.11	119	133251	19.682	ppb	98
66) 1,2,4-Trimethylbenzene	9.16	105	154965	19.869	ppb	97
67) sec-Butylbenzene	9.32	105	196145	19.835	ppb	99
68) p-Isopropyltoluene	9.47	119	171130	20.019	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	95339	19.953	ppb	97
70) 1,4-Dichlorobenzene	9.51	146	91269	19.593	ppb	97
71) 1,2-Dichlorobenzene	9.87	146	92783	19.860	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.64	75	7055	18.842	ppb	91
73) 1,2,4-Trichlorobenzene	11.44	180	68484	19.352	ppb	98

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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
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DataAcq Meth:VM080522.M

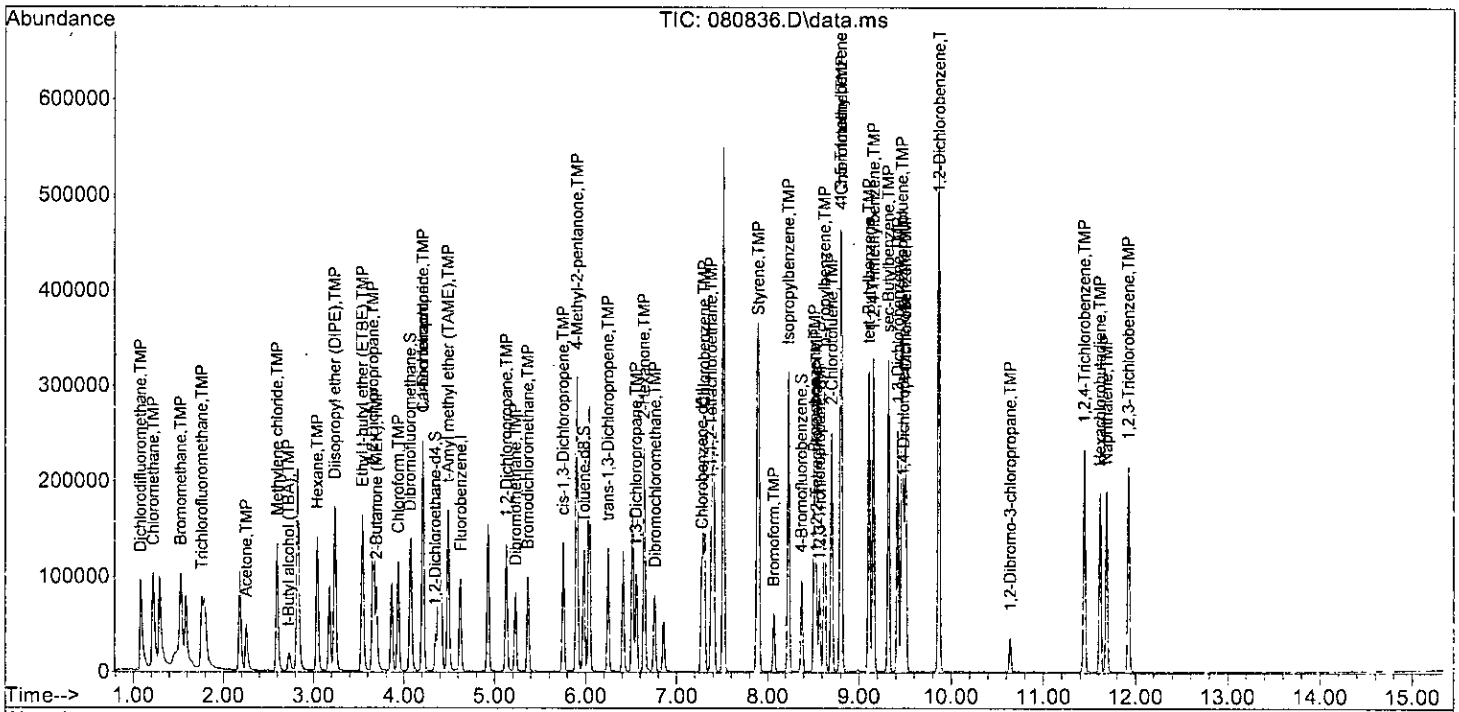
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	37813	19.393	ppb	97
75) Naphthalene	11.69	128	132610	19.574	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	61572	19.421	ppb	99

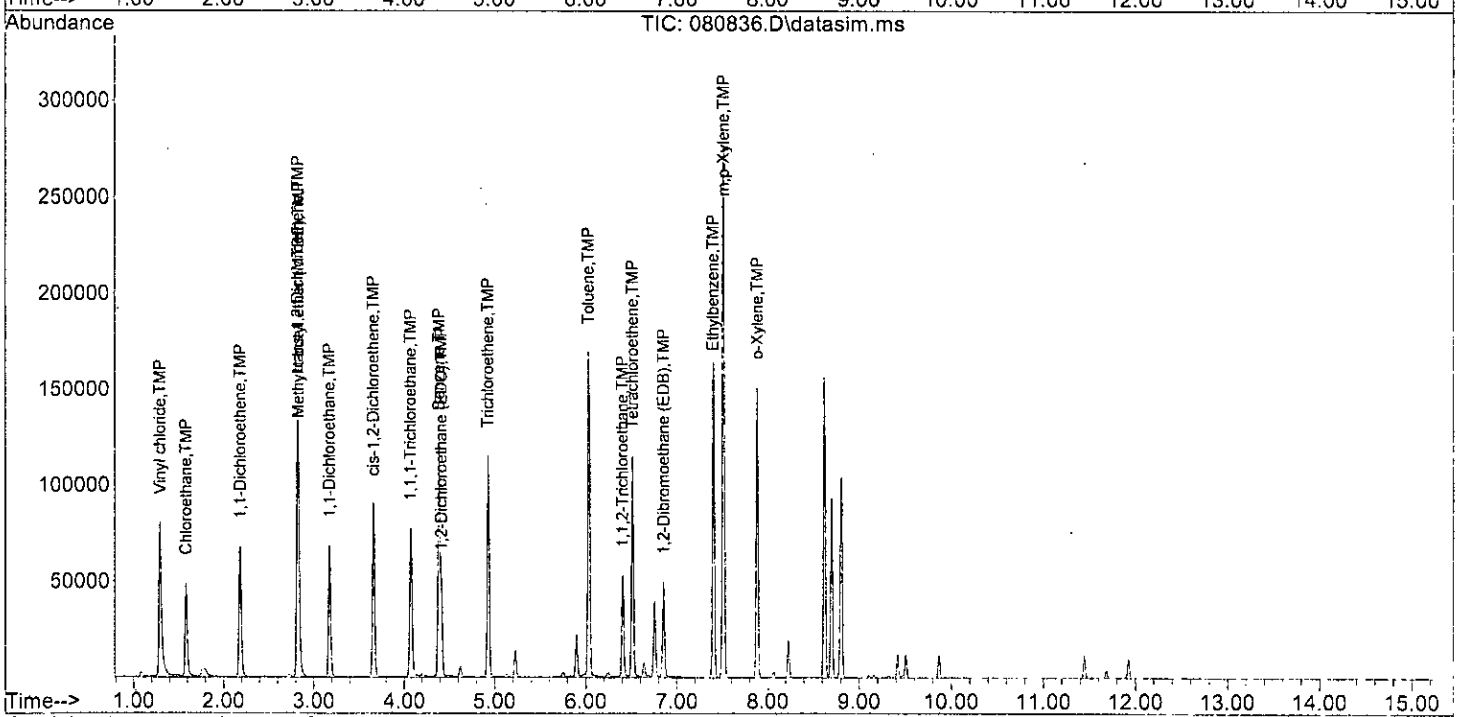
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Evaluate Continuing Calibration Report

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.925	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	20.000	20.370	-1.9	100	0.00
5	TMP	Chloromethane	20.000	20.362	-1.8	100	0.00
6	TMP	Vinyl chloride	20.000	21.515	-7.6	100	0.00
7	TMP	Bromomethane	20.000	21.404	-7.0	100	0.00
8	TMP	Chloroethane	20.000	20.667	-3.3	100	0.00
9	TMP	Trichlorofluoromethane	20.000	20.496	-2.5	101	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	100.000	93.749	6.3	100	0.00
12	TMP	1,1-Dichloroethene	20.000	19.652	1.7	100	0.00
13	TMP	Hexane	20.000	19.309	3.5	100	0.00
14	TMP	Methylene chloride	20.000	18.790	6.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	100.000	100.748	-0.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	20.000	20.028	-0.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	20.000	20.209	-1.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	20.000	19.461	2.7	100	0.00
19	TMP	1,1-Dichloroethane	20.000	19.750	1.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	20.000	19.775	1.1	100	0.00
21	TMP	2,2-Dichloropropane	20.000	19.261	3.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	20.000	20.504	-2.5	100	0.00
23	TMP	Chloroform	20.000	19.976	0.1	100	0.00
24	TMP	2-Butanone (MEK)	100.000	99.080	0.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	20.000	20.215	-1.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	20.000	20.339	-1.7	100	0.00
27	TMP	1,1,1-Trichloroethane	20.000	20.123	-0.6	100	0.00
28	TMP	1,1-Dichloropropene	20.000	19.951	0.2	100	0.00
29	TMP	Carbon tetrachloride	20.000	19.952	0.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.107	-1.1	100	0.00
31	TMP	Benzene	20.000	20.310	-1.5	100	0.00
32	TMP	Trichloroethene	20.000	20.138	-0.7	100	0.00
33	TMP	1,2-Dichloropropane	20.000	19.545	2.3	100	0.00
34	TMP	Bromodichloromethane	20.000	19.784	1.1	100	0.00
35	S	Toluene-d8	10.000	10.185	-1.9	100	0.00
36	TMP	Dibromomethane	20.000	19.831	0.8	100	0.00
37	TMP	4-Methyl-2-pentanone	100.000	102.473	-2.5	100	0.00

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ALS Vial : 16 Sample Multiplier: 1
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	20.000	20.556	-2.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	20.000	20.500	-2.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	20.000	19.950	0.3	100	0.00
42	TMP	1,1,2-Trichloroethane	20.000	20.326	-1.6	100	0.00
43	TMP	2-Hexanone	100.000	99.656	0.3	100	0.00
44	TMP	1,3-Dichloropropane	20.000	19.922	0.4	100	0.00
45	TMP	Tetrachloroethene	20.000	20.762	-3.8	100	0.00
46	TMP	Dibromochloromethane	20.000	21.114	-5.6	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	20.000	19.745	1.3	100	0.00
48	TMP	Chlorobenzene	20.000	20.150	-0.7	100	0.00
49	TMP	Ethylbenzene	20.000	20.577	-2.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	20.000	20.356	-1.8	100	0.00
51	TMP	m,p-Xylene	40.000	40.989	-2.5	100	0.00
52	TMP	o-Xylene	20.000	20.465	-2.3	100	0.00
53	TMP	Styrene	20.000	20.634	-3.2	100	0.00
54	TMP	Isopropylbenzene	20.000	19.807	1.0	100	0.00
55	TMP	Bromoform	20.000	20.702	-3.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.991	0.1	100	0.00
58	TMP	n-Propylbenzene	20.000	20.044	-0.2	100	0.00
59	TMP	Bromobenzene	20.000	19.456	2.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	20.000	19.658	1.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	20.000	19.564	2.2	100	0.00
62	TMP	1,2,3-Trichloropropane	20.000	20.074	-0.4	100	0.00
63	TMP	2-Chlorotoluene	20.000	19.622	1.9	100	0.00
64	TMP	4-Chlorotoluene	20.000	19.812	0.9	100	0.00
65	TMP	tert-Butylbenzene	20.000	19.682	1.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	20.000	19.869	0.7	100	0.00
67	TMP	sec-Butylbenzene	20.000	19.835	0.8	100	0.00
68	TMP	p-Isopropyltoluene	20.000	20.019	-0.1	100	0.00
69	TMP	1,3-Dichlorobenzene	20.000	19.953	0.2	100	0.00
70	TMP	1,4-Dichlorobenzene	20.000	19.593	2.0	100	0.00
71	TMP	1,2-Dichlorobenzene	20.000	19.860	0.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	20.000	18.842	5.8	100	0.00

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	20.000	19.352	3.2	100	0.00
74 TMP	Hexachlorobutadiene	20.000	19.393	3.0	100	0.00
75 TMP	Naphthalene	20.000	19.574	2.1	100	0.00
76 TMP	1,2,3-Trichlorobenzene	20.000	19.421	2.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.272	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.835	-1.8	100	0.00
5	TMP	Chloromethane	0.866	0.882	-1.8	100	0.00
6	TMP	Vinyl chloride	0.799	0.859	-7.5	100	0.00
7	TMP	Bromomethane	0.473	0.506	-7.0	100	0.00
8	TMP	Chloroethane	0.404	0.418	-3.5	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.981	-2.5	101	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.268	1.8	100	0.00
13	TMP	Hexane	0.415	0.401	3.4	100	0.00
14	TMP	Methylene chloride	0.362	0.352	2.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.030	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.754	-0.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.291	7.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.913	2.7	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.535	1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.326	1.2	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.285	10.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.315	3.1	100	0.00
23	TMP	Chloroform	0.491	0.490	0.2	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.121	7.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.732	-1.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.398	12.9	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.453	-0.7	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.371	0.3	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.389	0.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.060	-1.7	100	0.00
31	TMP	Benzene	1.115	1.080	3.1	100	0.00
32	TMP	Trichloroethene	0.327	0.307	6.1	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.281	2.1	100	0.00
34	TMP	Bromodichloromethane	0.349	0.345	1.1	100	0.00
35	S	Toluene-d8	0.962	0.979	-1.8	100	0.00
36	TMP	Dibromomethane	0.166	0.165	0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.042	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.405	-2.8	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.874	16.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.461	0.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.254	-1.6	100	0.00
43	TMP	2-Hexanone	0.239	0.238	0.4	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.442	0.5	100	0.00
45	TMP	Tetrachloroethene	0.421	0.362	14.0	100	0.00
46	TMP	Dibromochloromethane	0.337	0.355	-5.3	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.310	1.3	100	0.00
48	TMP	Chlorobenzene	0.977	0.984	-0.7	100	0.00
49	TMP	Ethylbenzene	1.708	1.646	3.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.358	-1.7	100	0.00
51	TMP	m,p-Xylene	0.670	0.636	5.1	100	0.00
52	TMP	o-Xylene	0.661	0.630	4.7	100	0.00
53	TMP	Styrene	0.990	1.021	-3.1	100	0.00
54	TMP	Isopropylbenzene	1.609	1.594	0.9	100	0.00
55	TMP	Bromoform	0.228	0.236	-3.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.825	0.1	100	0.00
58	TMP	n-Propylbenzene	3.181	3.188	-0.2	100	0.00
59	TMP	Bromobenzene	0.791	0.769	2.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.318	1.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.634	2.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.457#	-0.4	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.848	1.9	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.158	1.0	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.073	1.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.411	0.7	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.051	0.8	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.662	-0.1	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.483	0.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.420	2.0	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.443	0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.110	5.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.065	3.3	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.588	3.1	100	0.00
75 TMP	Naphthalene	2.108	2.063	2.1	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.958	2.8	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	67522	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	50873	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	29994	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	18467	9.988	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.90%			
30) 1,2-Dichloroethane-d4	4.35	102	3942	9.847	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.50%			
35) Toluene-d8	5.98	98	62282	9.591	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 95.90%			
57) 4-Bromofluorobenzene	8.38	95	23905	9.646	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 96.50%			
Target Compounds						Qvalue
2) Ethanol	1.87	45	95	No Calib		
4) Dichlorodifluoromethane	1.08	85	294410	53.188	ppb	98
5) Chloromethane	1.22	50	308509	52.760	ppb	99
6] Vinyl chloride	1.28	62	293628	54.442	ppb	93
7) Bromomethane	1.52	94	180066	56.353	ppb	95
8] Chloroethane	1.58	64	141703	51.943	ppb	95
9) Trichlorofluoromethane	1.76	101	335468	51.894	ppb	99
10) 2-Propanol	2.41	45	267	No Calib		
11) Acetone	2.25	58	39789	249.275	ppb	97
12] 1,1-Dichloroethene	2.18	96	93760	50.925	ppb	96
13) Hexane	3.04	57	133823	47.732	ppb	98
14) Methylene chloride	2.60	84	108103	49.958	ppb	93
15) t-Butyl alcohol (TBA)	2.73	59	52294	257.519	ppb	99
16] Methyl t-butyl ether (...	2.83	73	260521	51.216	ppb	100
17] trans-1,2-Dichloroethene	2.82	96	99775	51.280	ppb	97
18) Diisopropyl ether (DIPE)	3.24	45	316332	49.926	ppb	99
19] 1,1-Dichloroethane	3.18	63	184618	50.496	ppb	98
20) Ethyl t-butyl ether (E...	3.54	87	115749	52.013	ppb	92
21) 2,2-Dichloropropane	3.66	77	99720	51.113	ppb	97
22] cis-1,2-Dichloroethene	3.66	96	107294	51.795	ppb	96
23) Chloroform	3.94	83	169964	51.272	ppb	100
24) 2-Butanone (MEK)	3.70	43	218789	265.849	ppb	97
25) t-Amyl methyl ether (T...	4.49	73	256053	52.352	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	134155	50.814	ppb	99
27] 1,1,1-Trichloroethane	4.07	97	155730	51.234	ppb	97

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.21	75	125752	50.070	ppb	99
29) Carbon tetrachloride	4.21	117	135822	51.520	ppb	96
31] Benzene	4.39	78	367560	51.178	ppb	97
32] Trichloroethene	4.93	95	104704	50.806	ppb	94
33) 1,2-Dichloropropane	5.13	63	94112	48.510	ppb	99
34) Bromodichloromethane	5.37	83	120541	51.161	ppb	99
36) Dibromomethane	5.23	93	55541	49.511	ppb	100
37) 4-Methyl-2-pentanone	5.91	85	69714	253.344	ppb	99
38) cis-1,3-Dichloropropene	5.75	75	133818	50.343	ppb	97
40] Toluene	6.04	92	223935	51.712	ppb	90
41) trans-1,3-Dichloropropene	6.25	75	117368	49.934	ppb	98
42] 1,1,2-Trichloroethane	6.40	83	63897	50.187	ppb	97
43) 2-Hexanone	6.64	43	292910	241.079	ppb	99
44) 1,3-Dichloropropane	6.57	76	110009	48.684	ppb	100
45] Tetrachloroethene	6.51	164	91791	51.830	ppb	98
46) Dibromochloromethane	6.76	129	90745	52.994	ppb	96
47] 1,2-Dibromoethane (EDB)	6.85	107	78246	48.994	ppb	99
48) Chlorobenzene	7.30	112	248394	49.990	ppb	99
49] Ethylbenzene	7.41	91	413155	50.769	ppb	86
50) 1,1,1,2-Tetrachloroethane	7.38	131	92790	51.797	ppb	99
51] m,p-Xylene	7.52	106	319209	101.185	ppb	96
52] o-Xylene	7.88	106	161564	51.599	ppb	97
53) Styrene	7.90	104	257614	51.170	ppb	100
54) Isopropylbenzene	8.23	105	414850	50.675	ppb	97
55) Bromoform	8.07	173	62563	53.903	ppb	98
58) n-Propylbenzene	8.63	91	472152	49.487	ppb	98
59) Bromobenzene	8.52	156	116681	49.183	ppb	98
60) 1,3,5-Trimethylbenzene	8.80	105	355205	50.227	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.54	83	95326	49.038	ppb	98
62) 1,2,3-Trichloropropane	8.57	75	67711	49.582	ppb	98
63) 2-Chlorotoluene	8.70	91	278578	49.305	ppb	98
64) 4-Chlorotoluene	8.81	91	322553	49.359	ppb	98
65) tert-Butylbenzene	9.11	119	319857	50.628	ppb	97
66) 1,2,4-Trimethylbenzene	9.16	105	371195	51.002	ppb	97
67) sec-Butylbenzene	9.32	105	465789	50.475	ppb	100
68) p-Isopropyltoluene	9.47	119	407614	51.099	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	221187	49.605	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	211764	48.716	ppb	98
71) 1,2-Dichlorobenzene	9.87	146	216471	49.653	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	17397	49.790	ppb	98
73) 1,2,4-Trichlorobenzene	11.44	180	167995	50.872	ppb	98

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

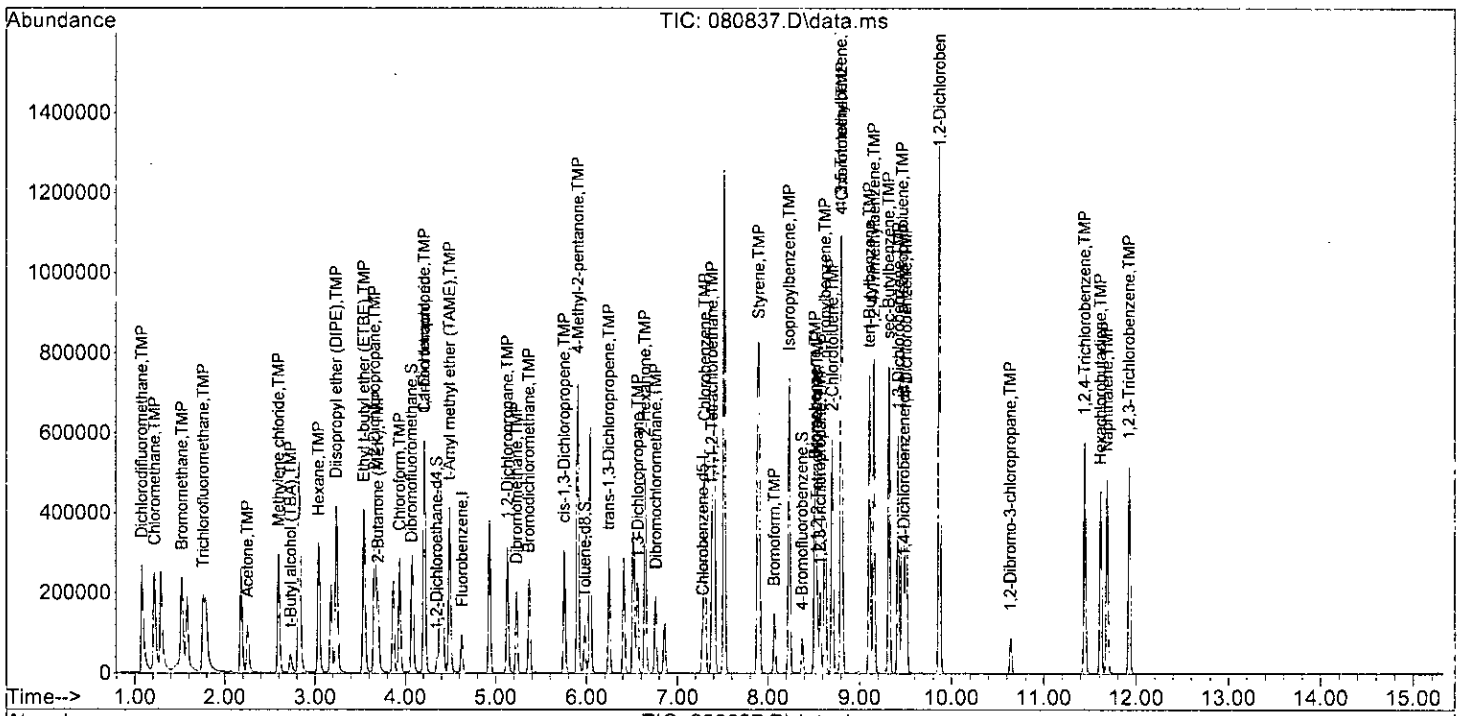
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	91758	50.428	ppb	96
75) Naphthalene	11.69	128	331866	52.493	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	152212	51.450	ppb	100

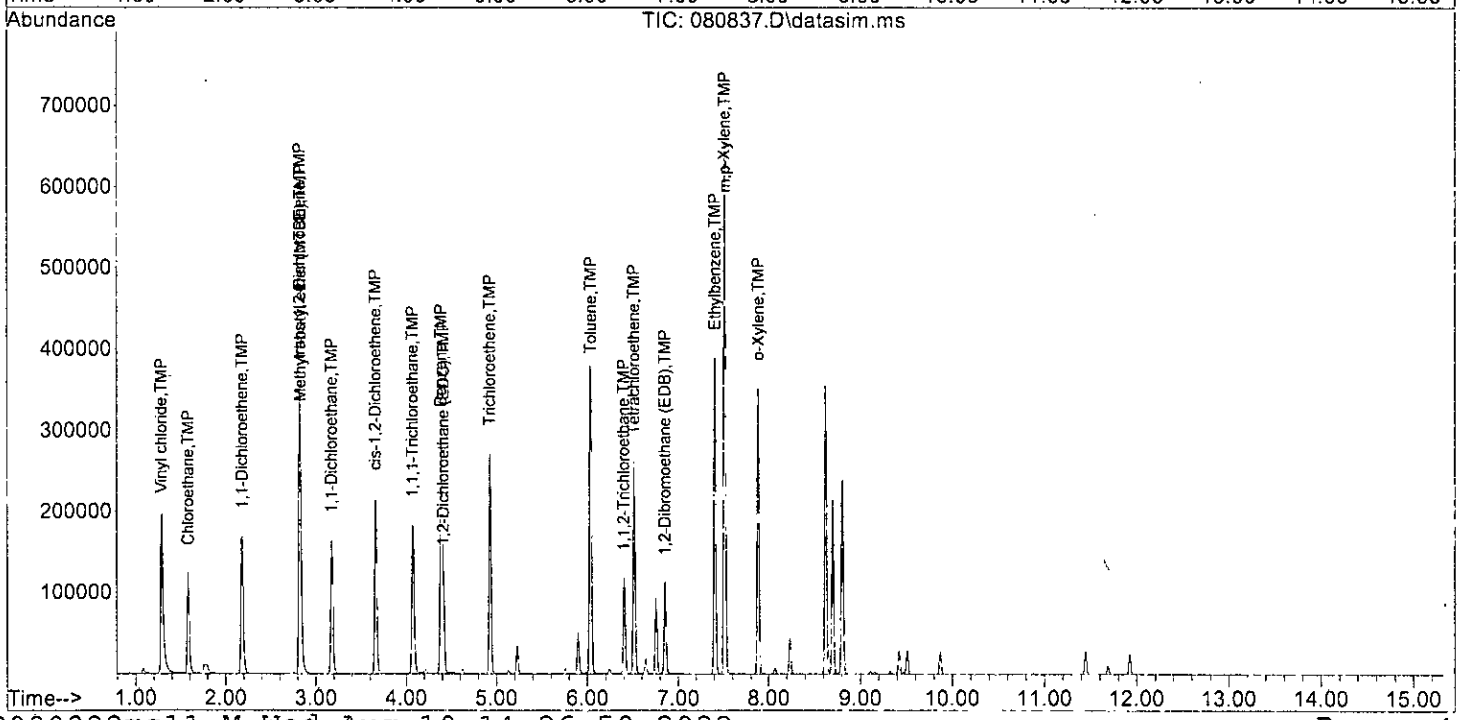
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	9.988	0.1	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	53.188	-6.4	100	0.00
5	TMP	Chloromethane	50.000	52.760	-5.5	100	0.00
6	TMP	Vinyl chloride	50.000	54.442	-8.9	100	0.00
7	TMP	Bromomethane	50.000	56.353	-12.7	100	0.00
8	TMP	Chloroethane	50.000	51.943	-3.9	100	0.00
9	TMP	Trichlorofluoromethane	50.000	51.894	-3.8	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	250.000	249.275	0.3	100	0.00
12	TMP	1,1-Dichloroethene	50.000	50.925	-1.8	100	0.00
13	TMP	Hexane	50.000	47.732	4.5	100	0.00
14	TMP	Methylene chloride	50.000	49.958	0.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	250.000	257.519	-3.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	50.000	51.216	-2.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	50.000	51.280	-2.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	50.000	49.926	0.1	100	0.00
19	TMP	1,1-Dichloroethane	50.000	50.496	-1.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	52.013	-4.0	100	0.00
21	TMP	2,2-Dichloropropane	50.000	51.113	-2.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	51.795	-3.6	100	0.00
23	TMP	Chloroform	50.000	51.272	-2.5	100	0.00
24	TMP	2-Butanone (MEK)	250.000	265.849	-6.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	50.000	52.352	-4.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	50.000	50.814	-1.6	100	0.00
27	TMP	1,1,1-Trichloroethane	50.000	51.234	-2.5	100	0.00
28	TMP	1,1-Dichloropropene	50.000	50.070	-0.1	100	0.00
29	TMP	Carbon tetrachloride	50.000	51.520	-3.0	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.847	1.5	100	0.00
31	TMP	Benzene	50.000	51.178	-2.4	100	0.00
32	TMP	Trichloroethene	50.000	50.806	-1.6	100	0.00
33	TMP	1,2-Dichloropropane	50.000	48.510	3.0	100	0.00
34	TMP	Bromodichloromethane	50.000	51.161	-2.3	100	0.00
35	S	Toluene-d8	10.000	9.591	4.1	100	0.00
36	TMP	Dibromomethane	50.000	49.511	1.0	100	0.00
37	TMP	4-Methyl-2-pentanone	250.000	253.344	-1.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	50.000	50.343	-0.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	50.000	51.712	-3.4	100	0.01
41	TMP	trans-1,3-Dichloropropene	50.000	49.934	0.1	100	0.00
42	TMP	1,1,2-Trichloroethane	50.000	50.187	-0.4	100	0.00
43	TMP	2-Hexanone	250.000	241.079	3.6	100	0.00
44	TMP	1,3-Dichloropropane	50.000	48.684	2.6	100	0.01
45	TMP	Tetrachloroethene	50.000	51.830	-3.7	100	0.00
46	TMP	Dibromochloromethane	50.000	52.994	-6.0	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	50.000	48.994	2.0	100	0.00
48	TMP	Chlorobenzene	50.000	49.990	0.0	100	0.00
49	TMP	Ethylbenzene	50.000	50.769	-1.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	51.797	-3.6	100	0.00
51	TMP	m,p-Xylene	100.000	101.185	-1.2	100	0.00
52	TMP	o-Xylene	50.000	51.599	-3.2	100	0.00
53	TMP	Styrene	50.000	51.170	-2.3	100	0.00
54	TMP	Isopropylbenzene	50.000	50.675	-1.3	100	0.00
55	TMP	Bromoform	50.000	53.903	-7.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.646	3.5	100	0.00
58	TMP	n-Propylbenzene	50.000	49.487	1.0	100	0.00
59	TMP	Bromobenzene	50.000	49.183	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	50.227	-0.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	49.038	1.9	100	0.00
62	TMP	1,2,3-Trichloropropane	50.000	49.582	0.8	100	0.00
63	TMP	2-Chlorotoluene	50.000	49.305	1.4	100	0.00
64	TMP	4-Chlorotoluene	50.000	49.359	1.3	100	0.00
65	TMP	tert-Butylbenzene	50.000	50.628	-1.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	51.002	-2.0	100	0.00
67	TMP	sec-Butylbenzene	50.000	50.475	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	50.000	51.099	-2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	49.605	0.8	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	48.716	2.6	100	0.00
71	TMP	1,2-Dichlorobenzene	50.000	49.653	0.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	49.790	0.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	50.000	50.872	-1.7	100	0.00
74 TMP	Hexachlorobutadiene	50.000	50.428	-0.9	100	0.00
75 TMP	Naphthalene	50.000	52.493	-5.0	100	0.00
76 TMP	1,2,3-Trichlorobenzene	50.000	51.450	-2.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.274	0.273	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.872	-6.3	100	0.00
5	TMP	Chloromethane	0.866	0.914	-5.5	100	0.00
6	TMP	Vinyl chloride	0.799	0.870	-8.9	100	0.00
7	TMP	Bromomethane	0.473	0.533	-12.7	100	0.00
8	TMP	Chloroethane	0.404	0.420	-4.0	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.994	-3.9	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.025	0.024	4.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.278	-1.8	100	0.00
13	TMP	Hexane	0.415	0.396	4.6	100	0.00
14	TMP	Methylene chloride	0.362	0.320	11.6	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.031	-3.3	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.772	-2.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.296	6.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.937	0.1	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.547	-1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.343	-3.9	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.295	7.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.318	2.2	100	0.00
23	TMP	Chloroform	0.491	0.503	-2.4	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.130	0.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.758	-4.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.397	13.1	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.461	-2.4	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.372	0.0	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.402	-3.1	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.058	1.7	100	0.00
31	TMP	Benzene	1.115	1.089	2.3	100	0.00
32	TMP	Trichloroethene	0.327	0.310	5.2	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.279	2.8	100	0.00
34	TMP	Bromodichloromethane	0.349	0.357	-2.3	100	0.00
35	S	Toluene-d8	0.962	0.922	4.2	100	0.00
36	TMP	Dibromomethane	0.166	0.165	0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.041	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.396	-0.5	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.880	15.9	100	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.461	0.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.251	-0.4	100	0.00
43	TMP	2-Hexanone	0.239	0.230	3.8	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.432	2.7	100	0.01
45	TMP	Tetrachloroethene	0.421	0.361	14.3	100	0.00
46	TMP	Dibromochloromethane	0.337	0.357	-5.9	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.308	1.9	100	0.00
48	TMP	Chlorobenzene	0.977	0.977	0.0	100	0.00
49	TMP	Ethylbenzene	1.708	1.624	4.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.365	-3.7	100	0.00
51	TMP	m,p-Xylene	0.670	0.627	6.4	100	0.00
52	TMP	o-Xylene	0.661	0.635	3.9	100	0.00
53	TMP	Styrene	0.990	1.013	-2.3	100	0.00
54	TMP	Isopropylbenzene	1.609	1.631	-1.4	100	0.00
55	TMP	Bromoform	0.228	0.246	-7.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.797	3.5	100	0.00
58	TMP	n-Propylbenzene	3.181	3.148	1.0	100	0.00
59	TMP	Bromobenzene	0.791	0.778	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.369	-0.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.636	1.9	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.451#	0.9	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.858	1.4	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.151	1.3	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.133	-1.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.475	-2.0	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.106	-0.9	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.718	-2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.475	0.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.412	2.6	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.443	0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.116	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.120	-1.7	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.612	-0.8	100	0.00
75 TMP	Naphthalene	2.108	2.213	-5.0	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.015	-2.9	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	68481	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	51301	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	29370	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	17458	9.310	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 93.10%			
30) 1,2-Dichloroethane-d4	4.35	102	3897	9.598	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 96.00%			
35) Toluene-d8	5.98	98	66414	10.084	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.80%			
57) 4-Bromofluorobenzene	8.38	95	24692	10.175	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.70%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.08	85	589187	104.951	ppb	99
5) Chloromethane	1.22	50	610289	102.907	ppb	97
6] Vinyl chloride	1.29	62	579320	105.909	ppb	98
7) Bromomethane	1.52	94	353890	109.202	ppb	97
8] Chloroethane	1.58	64	279864	101.150	ppb	96
9) Trichlorofluoromethane	1.76	101	669767	102.156	ppb	99
10) 2-Propanol	2.40	45	381	No Calib		
11) Acetone	2.25	58	77918	499.664	ppb	86
12] 1,1-Dichloroethene	2.18	96	186068	99.647	ppb	99
13) Hexane	3.04	57	289397	101.777	ppb	98
14) Methylene chloride	2.60	84	200203	100.030	ppb	93
15) t-Butyl alcohol (TBA)	2.72	59	104675	508.248	ppb	96
16] Methyl t-butyl ether (...	2.83	73	511616	99.171	ppb	100
17] trans-1,2-Dichloroethene	2.82	96	196911	99.799	ppb	96
18) Diisopropyl ether (DIPE)	3.24	45	631289	98.240	ppb	98
19] 1,1-Dichloroethane	3.17	63	361693	97.543	ppb	98
20) Ethyl t-butyl ether (E...	3.54	87	226066	100.163	ppb	89
21) 2,2-Dichloropropane	3.66	77	185484	96.601	ppb	98
22] cis-1,2-Dichloroethene	3.66	96	210302	100.107	ppb	94
23) Chloroform	3.94	83	333525	99.204	ppb	100
24) 2-Butanone (MEK)	3.70	43	439485	526.981	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	510077	102.829	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	270501	101.049	ppb	98
27] 1,1,1-Trichloroethane	4.08	97	311558	101.065	ppb	92

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	1,1-Dichloropropene	4.22	75	254218	99.804	ppb	100
29)	Carbon tetrachloride	4.21	117	273923	102.450	ppb	97
31]	Benzene	4.38	78	739672	101.555	ppb	96
32]	Trichloroethene	4.93	95	212151	101.511	ppb	93
33)	1,2-Dichloropropane	5.13	63	193900	98.546	ppb	99
34)	Bromodichloromethane	5.37	83	247979	103.776	ppb	99
36)	Dibromomethane	5.23	93	112969	99.293	ppb	99
37)	4-Methyl-2-pentanone	5.91	85	145693	522.041	ppb	97
38)	cis-1,3-Dichloropropene	5.75	75	289678	107.452	ppb	98
40]	Toluene	6.04	92	471717	108.096	ppb	90
41)	trans-1,3-Dichloropropene	6.25	75	252984	106.733	ppb	99
42]	1,1,2-Trichloroethane	6.40	83	136659	106.441	ppb	96
43)	2-Hexanone	6.64	43	627397	512.070	ppb	99
44)	1,3-Dichloropropane	6.57	76	237749	104.338	ppb	98
45]	Tetrachloroethene	6.51	164	194160	108.752	ppb	99
46)	Dibromochloromethane	6.76	129	196851	114.000	ppb	98
47]	1,2-Dibromoethane (EDB)	6.85	107	165750	102.919	ppb	99
48)	Chlorobenzene	7.30	112	524638	104.705	ppb	98
49]	Ethylbenzene	7.41	91	865974	105.535	ppb	86
50)	1,1,1,2-Tetrachloroethane	7.38	131	193375	107.045	ppb	100
51]	m,p-Xylene	7.52	106	676936	212.816	ppb	94
52]	o-Xylene	7.88	106	337638	106.943	ppb	95
53)	Styrene	7.90	104	546148	107.578	ppb	100
54)	Isopropylbenzene	8.23	105	869390	105.312	ppb	98
55)	Bromoform	8.07	173	139349	119.059	ppb	99
58)	n-Propylbenzene	8.63	91	988420	105.799	ppb	98
59)	Bromobenzene	8.52	156	245897	105.852	ppb	96
60)	1,3,5-Trimethylbenzene	8.80	105	730643	105.510	ppb	99
61)	1,1,2,2-Tetrachloroethane	8.54	83	202848	106.566	ppb	97
62)	1,2,3-Trichloropropane	8.57	75	144830	108.305	ppb	97
63)	2-Chlorotoluene	8.70	91	578373	104.541	ppb	99
64)	4-Chlorotoluene	8.81	91	678111	105.972	ppb	97
65)	tert-Butylbenzene	9.11	119	671134	108.486	ppb	97
66)	1,2,4-Trimethylbenzene	9.16	105	773622	108.553	ppb	98
67)	sec-Butylbenzene	9.32	105	975810	107.989	ppb	99
68)	p-Isopropyltoluene	9.47	119	853790	109.306	ppb	99
69)	1,3-Dichlorobenzene	9.42	146	470219	107.696	ppb	99
70)	1,4-Dichlorobenzene	9.51	146	448827	105.445	ppb	97
71)	1,2-Dichlorobenzene	9.87	146	450342	105.491	ppb	99
72)	1,2-Dibromo-3-chloropr...	10.64	75	37656	110.061	ppb	90
73)	1,2,4-Trichlorobenzene	11.44	180	351006	108.549	ppb	98

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

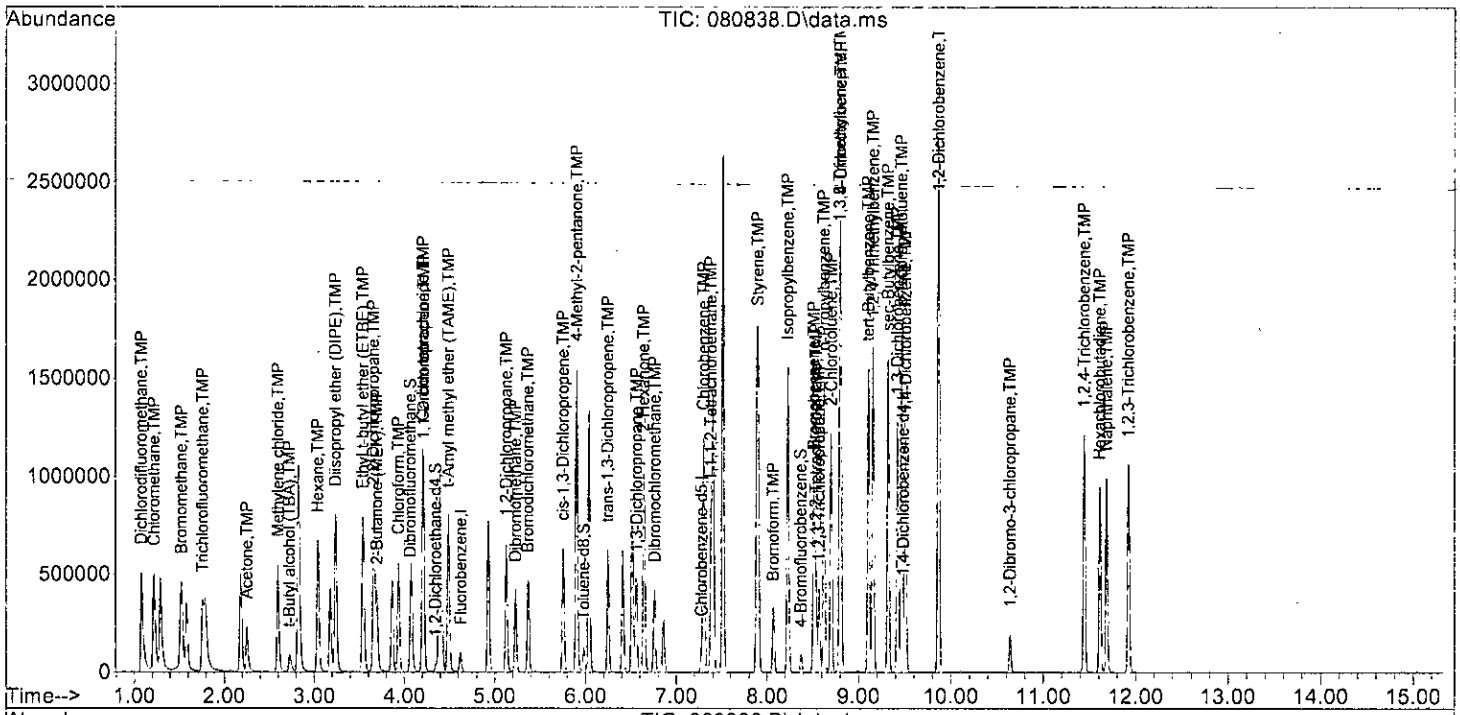
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	191188	107.306	ppb	97
75) Naphthalene	11.69	128	690333	111.513	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	313231	108.127	ppb	98

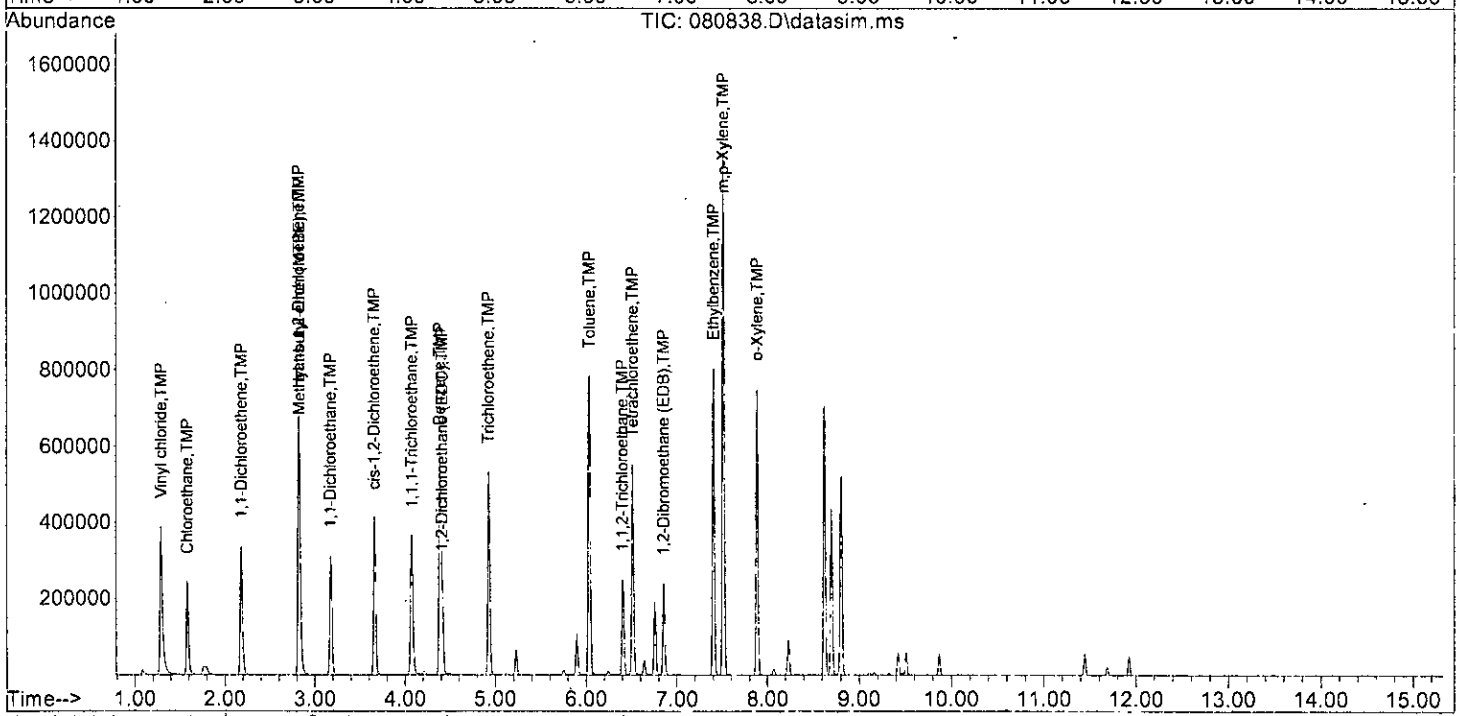
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
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Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.310	6.9	100	0.00
4	TMP	Dichlorodifluoromethane	100.000	104.951	-5.0	100	0.00
5	TMP	Chloromethane	100.000	102.907	-2.9	100	0.00
6	TMP	Vinyl chloride	100.000	105.909	-5.9	100	0.00
7	TMP	Bromomethane	100.000	109.202	-9.2	100	0.00
8	TMP	Chloroethane	100.000	101.150	-1.2	100	0.00
9	TMP	Trichlorofluoromethane	100.000	102.156	-2.2	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	500.000	499.664	0.1	100	0.00
12	TMP	1,1-Dichloroethene	100.000	99.647	0.4	100	0.00
13	TMP	Hexane	100.000	101.777	-1.8	100	0.00
14	TMP	Methylene chloride	100.000	100.030	-0.0	100	0.00
15	TMP	t-Butyl alcohol (TBA)	500.000	508.248	-1.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	100.000	99.171	0.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	100.000	99.799	0.2	100	0.00
18	TMP	Diisopropyl ether (DIPE)	100.000	98.240	1.8	100	0.00
19	TMP	1,1-Dichloroethane	100.000	97.543	2.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	100.163	-0.2	100	0.00
21	TMP	2,2-Dichloropropane	100.000	96.601	3.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	100.000	100.107	-0.1	100	0.00
23	TMP	Chloroform	100.000	99.204	0.8	100	0.00
24	TMP	2-Butanone (MEK)	500.000	526.981	-5.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	100.000	102.829	-2.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	100.000	101.049	-1.0	100	0.00
27	TMP	1,1,1-Trichloroethane	100.000	101.065	-1.1	100	0.00
28	TMP	1,1-Dichloropropene	100.000	99.804	0.2	100	0.00
29	TMP	Carbon tetrachloride	100.000	102.450	-2.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.598	4.0	100	0.00
31	TMP	Benzene	100.000	101.555	-1.6	100	0.00
32	TMP	Trichloroethene	100.000	101.511	-1.5	100	0.00
33	TMP	1,2-Dichloropropane	100.000	98.546	1.5	100	0.00
34	TMP	Bromodichloromethane	100.000	103.776	-3.8	100	0.00
35	S	Toluene-d8	10.000	10.084	-0.8	100	0.00
36	TMP	Dibromomethane	100.000	99.293	0.7	100	0.00
37	TMP	4-Methyl-2-pentanone	500.000	522.041	-4.4	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	100.000	107.452	-7.5	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	100.000	108.096	-8.1	100	0.01
41	TMP	trans-1,3-Dichloropropene	100.000	106.733	-6.7	100	0.00
42	TMP	1,1,2-Trichloroethane	100.000	106.441	-6.4	100	0.00
43	TMP	2-Hexanone	500.000	512.070	-2.4	100	0.00
44	TMP	1,3-Dichloropropane	100.000	104.338	-4.3	100	0.01
45	TMP	Tetrachloroethene	100.000	108.752	-8.8	100	0.00
46	TMP	Dibromochloromethane	100.000	114.000	-14.0	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	100.000	102.919	-2.9	100	0.00
48	TMP	Chlorobenzene	100.000	104.705	-4.7	100	0.00
49	TMP	Ethylbenzene	100.000	105.535	-5.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	100.000	107.045	-7.0	100	0.00
51	TMP	m,p-Xylene	200.000	212.816	-6.4	100	0.00
52	TMP	o-Xylene	100.000	106.943	-6.9	100	0.00
53	TMP	Styrene	100.000	107.578	-7.6	100	0.00
54	TMP	Isopropylbenzene	100.000	105.312	-5.3	100	0.00
55	TMP	Bromoform	100.000	119.059	-19.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.175	-1.8	100	0.00
58	TMP	n-Propylbenzene	100.000	105.799	-5.8	100	0.00
59	TMP	Bromobenzene	100.000	105.852	-5.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	100.000	105.510	-5.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	100.000	106.566	-6.6	100	0.00
62	TMP	1,2,3-Trichloropropane	100.000	108.305	-8.3	100	0.00
63	TMP	2-Chlorotoluene	100.000	104.541	-4.5	100	0.00
64	TMP	4-Chlorotoluene	100.000	105.972	-6.0	100	0.00
65	TMP	tert-Butylbenzene	100.000	108.486	-8.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	100.000	108.553	-8.6	100	0.00
67	TMP	sec-Butylbenzene	100.000	107.989	-8.0	100	0.00
68	TMP	p-Isopropyltoluene	100.000	109.306	-9.3	100	0.00
69	TMP	1,3-Dichlorobenzene	100.000	107.696	-7.7	100	0.00
70	TMP	1,4-Dichlorobenzene	100.000	105.445	-5.4	100	0.00
71	TMP	1,2-Dichlorobenzene	100.000	105.491	-5.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	100.000	110.061	-10.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	100.000	108.549	-8.5	100	0.00
74 TMP	Hexachlorobutadiene	100.000	107.306	-7.3	100	0.00
75 TMP	Naphthalene	100.000	111.513	-11.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	100.000	108.127	-8.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.255	6.9	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.860	-4.9	100	0.00
5	TMP	Chloromethane	0.866	0.891	-2.9	100	0.00
6	TMP	Vinyl chloride	0.799	0.846	-5.9	100	0.00
7	TMP	Bromomethane	0.473	0.517	-9.3	100	0.00
8	TMP	Chloroethane	0.404	0.409	-1.2	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.978	-2.2	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.272	0.4	100	0.00
13	TMP	Hexane	0.415	0.423	-1.9	100	0.00
14	TMP	Methylene chloride	0.362	0.292	19.3	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.031	-3.3	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.747	0.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.288	8.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.922	1.7	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.528	2.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.330	0.0	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.271	15.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.307	5.5	100	0.00
23	TMP	Chloroform	0.491	0.487	0.8	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.128	2.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.745	-2.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.395	13.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.455	-1.1	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.371	0.3	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.400	-2.6	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.057	3.4	100	0.00
31	TMP	Benzene	1.115	1.080	3.1	100	0.00
32	TMP	Trichloroethene	0.327	0.310	5.2	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.283	1.4	100	0.00
34	TMP	Bromodichloromethane	0.349	0.362	-3.7	100	0.00
35	S	Toluene-d8	0.962	0.970	-0.8	100	0.00
36	TMP	Dibromomethane	0.166	0.165	0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.043	-4.9	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.423	-7.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.920	12.0	100	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.493	-6.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.266	-6.4	100	0.00
43	TMP	2-Hexanone	0.239	0.245	-2.5	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.463	-4.3	100	0.01
45	TMP	Tetrachloroethene	0.421	0.378	10.2	100	0.00
46	TMP	Dibromochloromethane	0.337	0.384	-13.9	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.323	-2.9	100	0.00
48	TMP	Chlorobenzene	0.977	1.023	-4.7	100	0.00
49	TMP	Ethylbenzene	1.708	1.688	1.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.377	-7.1	100	0.00
51	TMP	m,p-Xylene	0.670	0.660	1.5	100	0.00
52	TMP	o-Xylene	0.661	0.658	0.5	100	0.00
53	TMP	Styrene	0.990	1.065	-7.6	100	0.00
54	TMP	Isopropylbenzene	1.609	1.695	-5.3	100	0.00
55	TMP	Bromoform	0.228	0.272	-19.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.841	-1.8	100	0.00
58	TMP	n-Propylbenzene	3.181	3.365	-5.8	100	0.00
59	TMP	Bromobenzene	0.791	0.837	-5.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.488	-5.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.691	-6.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.493#	-8.4	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.969	-4.5	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.309	-6.0	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.285	-8.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.634	-8.5	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.322	-8.0	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.907	-9.3	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.601	-7.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.528	-5.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.533	-5.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.128	-10.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

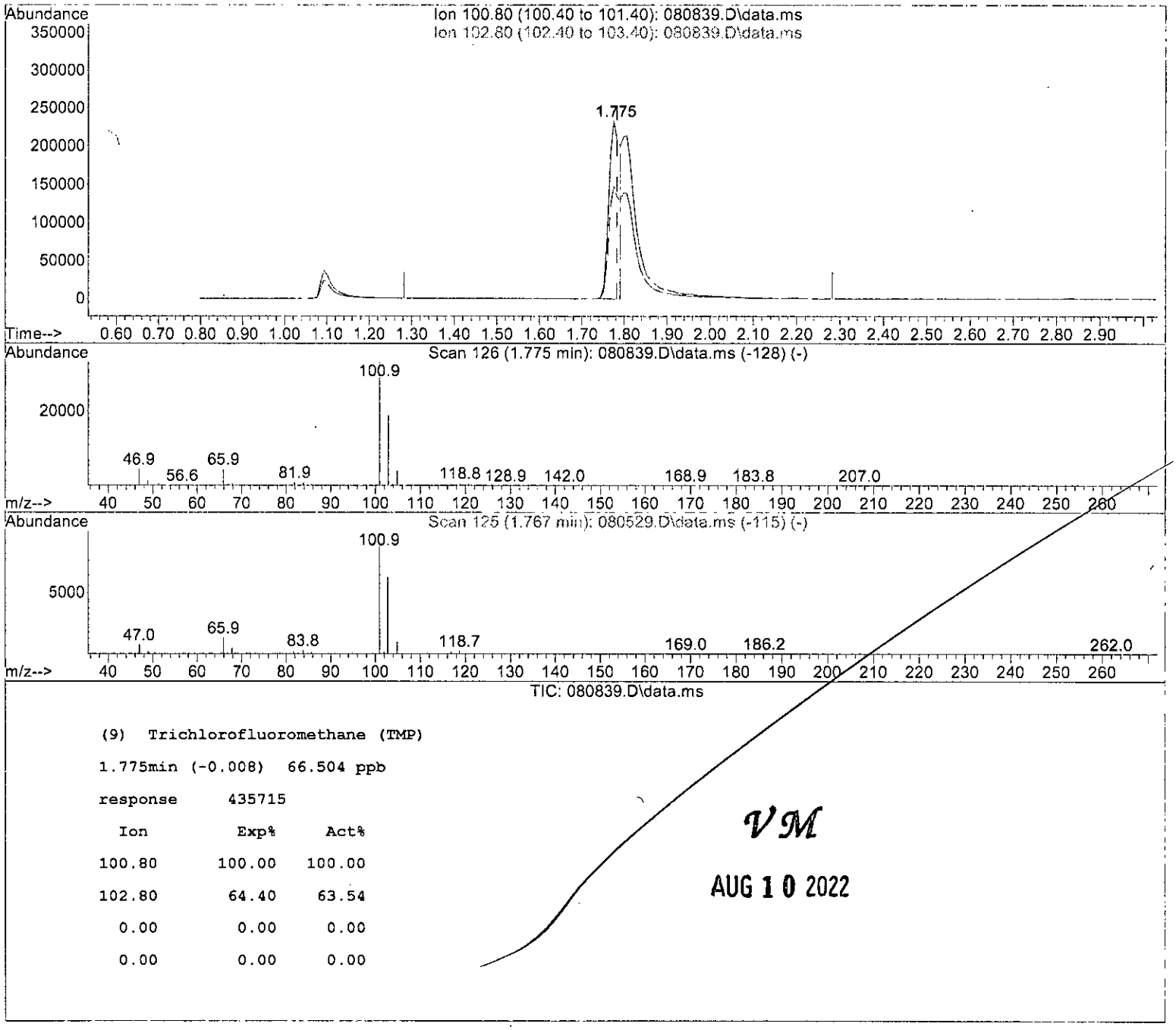
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.195	-8.5	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.651	-7.2	100	0.00
75 TMP	Naphthalene	2.108	2.350	-11.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.066	-8.1	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:33 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080839.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.008) 66.504 ppb

response 435715

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.54
0.00	0.00	0.00
0.00	0.00	0.00

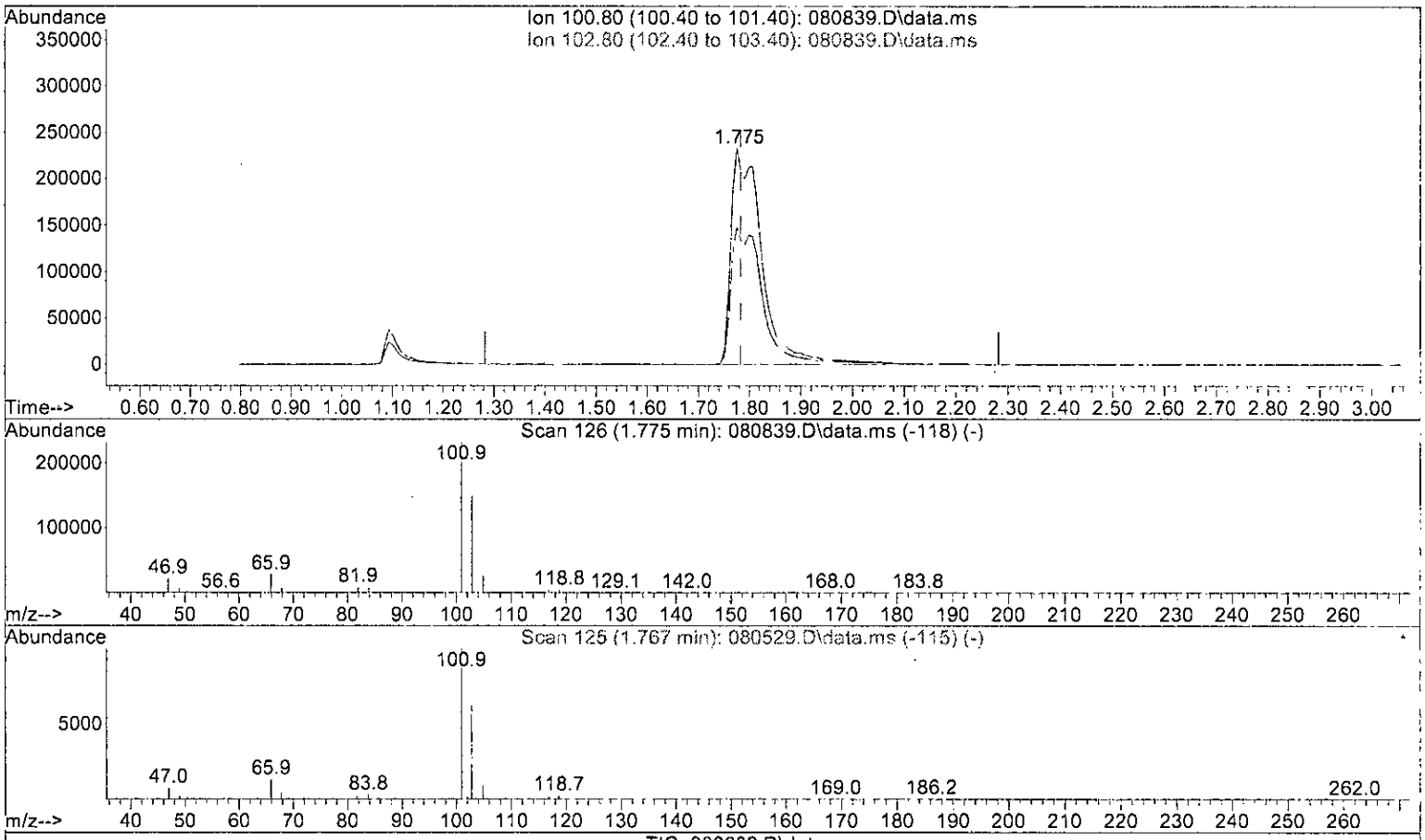
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080839.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.008) 150.127 ppb m

response 983590

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.54
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	68433	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	52899	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	30028	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	18873	10.072	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.70%			
30) 1,2-Dichloroethane-d4	4.36	102	4088	10.075	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 100.80%			
35) Toluene-d8	5.98	98	65028	9.880	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 98.80%			
57) 4-Bromofluorobenzene	8.38	95	24755	9.977	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 99.80%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	869367	154.968	ppb	98
5) Chloromethane	1.23	50	894857	150.997	ppb	98
6] Vinyl chloride	1.31	62	842028	154.044	ppb	97
7) Bromomethane	1.54	94	508332	156.969	ppb	97
8] Chloroethane	1.60	64	408465	147.734	ppb	96
9) Trichlorofluoromethane	1.77	101	983590m	150.127	ppb	
10) 2-Propanol	2.43	45	372	No Calib		
11) Acetone	2.26	58	117167	784.115	ppb	98
12] 1,1-Dichloroethene	2.20	96	269230	144.284	ppb	92
13) Hexane	3.05	57	426793	150.202	ppb	98
14) Methylene chloride	2.61	84	288659	155.493	ppb	95
15) t-Butyl alcohol (TBA)	2.74	59	153123	744.008	ppb	98
16] Methyl t-butyl ether (...	2.84	73	737339	143.025	ppb	98
17] trans-1,2-Dichloroethene	2.83	96	288647	146.401	ppb	89
18) Diisopropyl ether (DIPE)	3.25	45	993832	154.766	ppb	97
19] 1,1-Dichloroethane	3.19	63	527628	142.392	ppb	96
20) Ethyl t-butyl ether (E...	3.55	87	332156	147.271	ppb	92
21) 2,2-Dichloropropane	3.67	77	287341	155.767	ppb	98
22] cis-1,2-Dichloroethene	3.67	96	307956	146.699	ppb	95
23) Chloroform	3.95	83	492413	146.566	ppb	99
24) 2-Butanone (MEK)	3.71	43	625961	751.301	ppb	99
25) t-Amyl methyl ether (T...	4.50	73	735134	148.303	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	386882	144.636	ppb	100
27] 1,1,1-Trichloroethane	4.08	97	450924	146.376	ppb	99

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	1,1-Dichloropropene	4.22	75	379337	149.029	ppb	98
29)	Carbon tetrachloride	4.22	117	400830	150.019	ppb	96
31]	Benzene	4.39	78	1070774	147.120	ppb	99
32]	Trichloroethene	4.94	95	308838	147.883	ppb	99
33)	1,2-Dichloropropane	5.14	63	280429	142.623	ppb	99
34)	Bromodichloromethane	5.37	83	361004	151.182	ppb	99
36)	Dibromomethane	5.23	93	161946	142.441	ppb	98
37)	4-Methyl-2-pentanone	5.91	85	206730	741.266	ppb	96
38)	cis-1,3-Dichloropropene	5.76	75	411364	152.696	ppb	98
40]	Toluene	6.04	92	671032	149.151	ppb	91
41)	trans-1,3-Dichloropropene	6.25	75	355546	145.473	ppb	100
42]	1,1,2-Trichloroethane	6.41	83	188572	142.438	ppb	82
43)	2-Hexanone	6.65	43	836729	662.293	ppb	99
44)	1,3-Dichloropropane	6.57	76	327353	139.321	ppb	99
45]	Tetrachloroethene	6.51	164	277064	150.512	ppb	96
46)	Dibromochloromethane	6.76	129	275524	154.741	ppb	96
47]	1,2-Dibromoethane (EDB)	6.85	107	226399	136.330	ppb	97
48)	Chlorobenzene	7.30	112	745746	144.337	ppb	98
49]	Ethylbenzene	7.41	91	1212536	143.309	ppb	90
50)	1,1,1,2-Tetrachloroethane	7.38	131	280533	150.602	ppb	99
51]	m,p-Xylene	7.52	106	953731	290.786	ppb	87
52]	o-Xylene	7.88	106	480904	147.724	ppb	89
53)	Styrene	7.91	104	771505	147.376	ppb	95
54)	Isopropylbenzene	8.23	105	1244224	146.164	ppb	97
55)	Bromoform	8.08	173	196801	163.067	ppb	99
58)	n-Propylbenzene	8.63	91	1400302	146.602	ppb	98
59)	Bromobenzene	8.52	156	350378	147.523	ppb	96
60)	1,3,5-Trimethylbenzene	8.80	105	1049399	148.220	ppb	99
61)	1,1,2,2-Tetrachloroethane	8.54	83	281828	144.814	ppb	97
62)	1,2,3-Trichloropropane	8.57	75	198665	145.308	ppb	97
63)	2-Chlorotoluene	8.70	91	817236	144.478	ppb	99
64)	4-Chlorotoluene	8.81	91	964387	147.408	ppb	95
65)	tert-Butylbenzene	9.11	119	976114	154.327	ppb	96
66)	1,2,4-Trimethylbenzene	9.16	105	1108026	152.069	ppb	99
67)	sec-Butylbenzene	9.32	105	1414093	153.063	ppb	98
68)	p-Isopropyltoluene	9.47	119	1230399	154.070	ppb	99
69)	1,3-Dichlorobenzene	9.42	146	663687	148.676	ppb	99
70)	1,4-Dichlorobenzene	9.51	146	637728	146.541	ppb	97
71)	1,2-Dichlorobenzene	9.87	146	641708	147.024	ppb	99
72)	1,2-Dibromo-3-chloropr...	10.64	75	53649	153.370	ppb	90
73)	1,2,4-Trichlorobenzene	11.44	180	518296	156.771	ppb	100

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

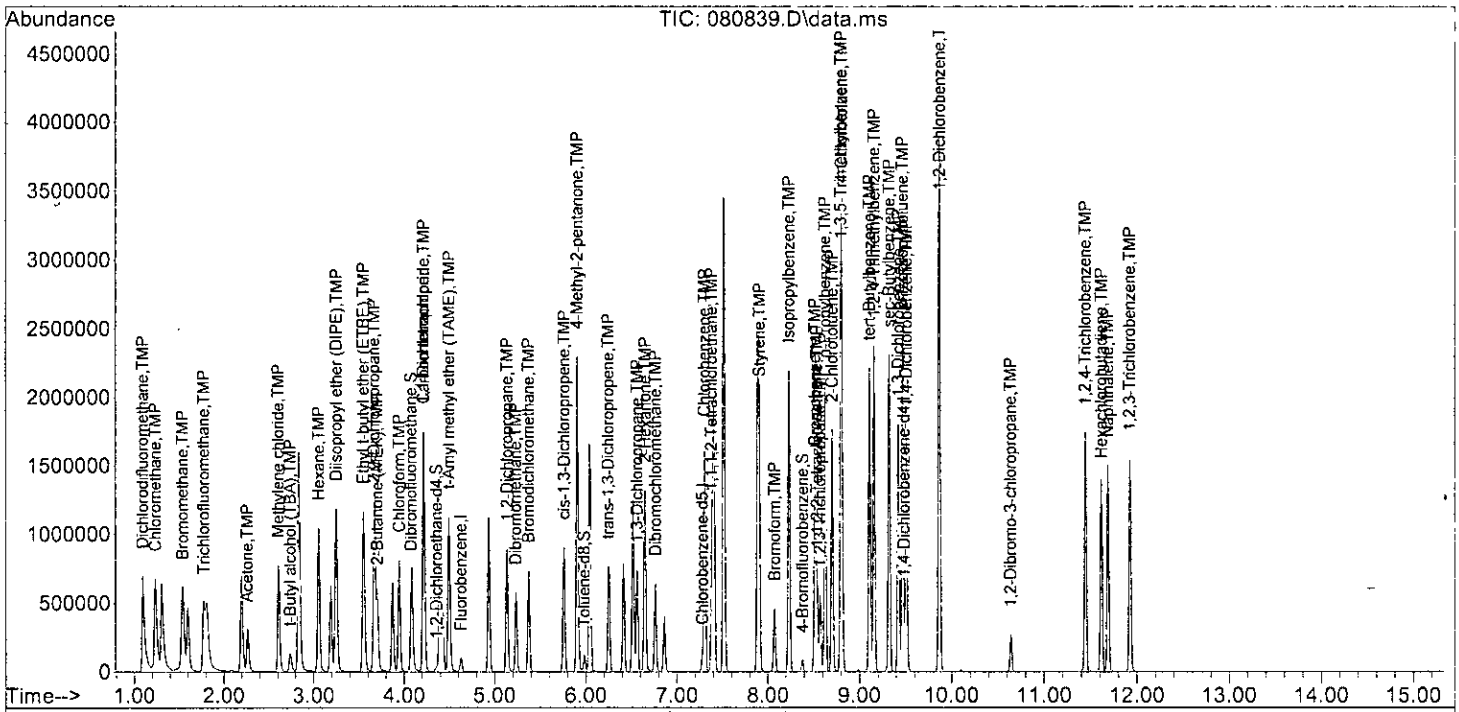
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.62	225	283894	155.846	ppb	97
75) Naphthalene	11.69	128	1019304	161.046	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	464359	156.783	ppb	99

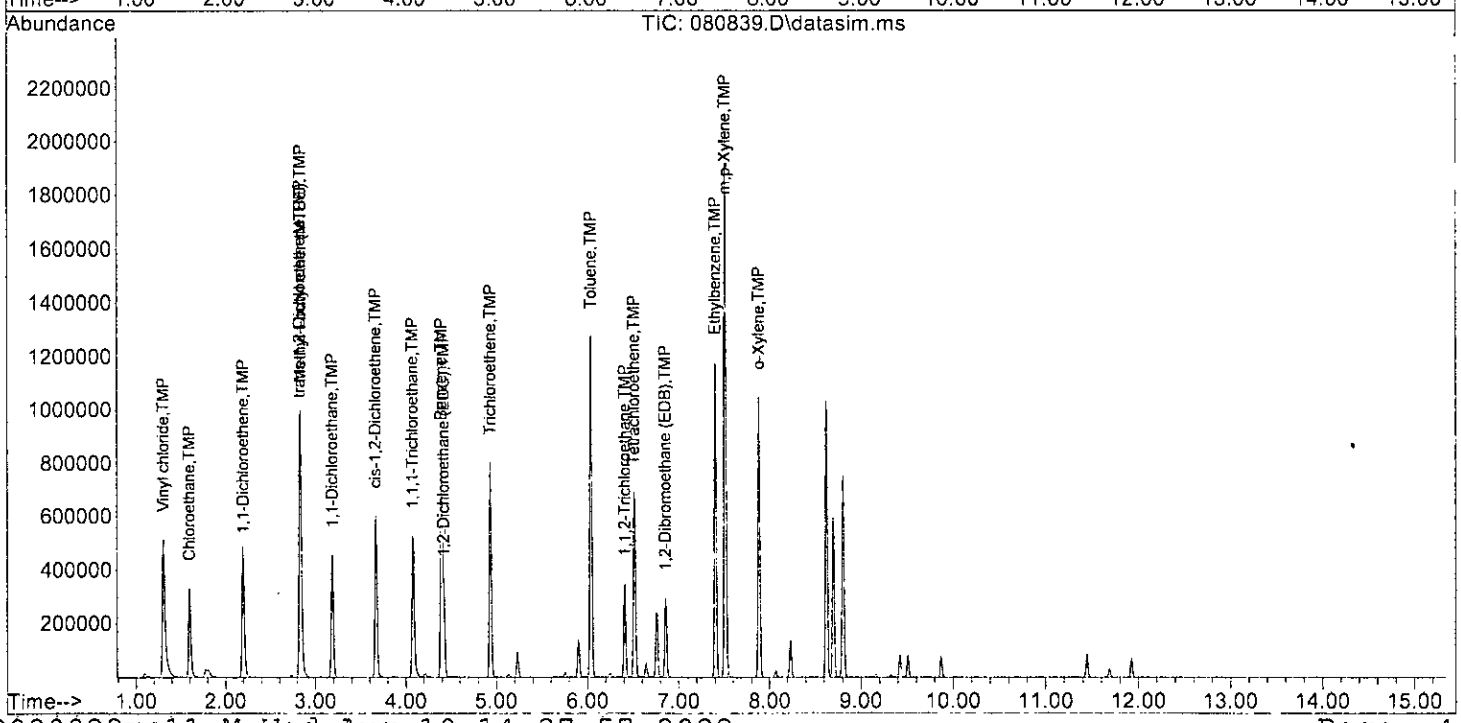
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
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Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.072	-0.7	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	154.968	-3.3	100	0.00
5	TMP	Chloromethane	150.000	150.997	-0.7	99	0.02
6	TMP	Vinyl chloride	150.000	154.044	-2.7	101	0.02
7	TMP	Bromomethane	150.000	156.969	-4.6	99	0.02
8	TMP	Chloroethane	150.000	147.734	1.5	100	0.02
9	TMP	Trichlorofluoromethane	150.000	150.127	-0.1	101	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.04
11	TMP	Acetone	750.000	784.115	-4.5	100	0.00
12	TMP	1,1-Dichloroethene	150.000	144.284	3.8	100	0.02
13	TMP	Hexane	150.000	150.202	-0.1	100	0.02
14	TMP	Methylene chloride	150.000	155.493	-3.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	750.000	744.008	0.8	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	150.000	143.025	4.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	150.000	146.401	2.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	150.000	154.766	-3.2	100	0.02
19	TMP	1,1-Dichloroethane	150.000	142.392	5.1	100	0.02
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	147.271	1.8	100	0.00
21	TMP	2,2-Dichloropropane	150.000	155.767	-3.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	150.000	146.699	2.2	100	0.00
23	TMP	Chloroform	150.000	146.566	2.3	100	0.00
24	TMP	2-Butanone (MEK)	750.000	751.301	-0.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	150.000	148.303	1.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	150.000	144.636	3.6	100	0.00
27	TMP	1,1,1-Trichloroethane	150.000	146.376	2.4	100	0.00
28	TMP	1,1-Dichloropropene	150.000	149.029	0.6	100	0.00
29	TMP	Carbon tetrachloride	150.000	150.019	-0.0	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.075	-0.7	100	0.00
31	TMP	Benzene	150.000	147.120	1.9	100	0.00
32	TMP	Trichloroethene	150.000	147.883	1.4	100	0.00
33	TMP	1,2-Dichloropropane	150.000	142.623	4.9	100	0.00
34	TMP	Bromodichloromethane	150.000	151.182	-0.8	100	0.00
35	S	Toluene-d8	10.000	9.880	1.2	100	0.00
36	TMP	Dibromomethane	150.000	142.441	5.0	100	0.00
37	TMP	4-Methyl-2-pentanone	750.000	741.266	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	150.000	152.696	-1.8	100	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	150.000	149.151	0.6	100	0.01
41	TMP	trans-1,3-Dichloropropene	150.000	145.473	3.0	100	0.00
42	TMP	1,1,2-Trichloroethane	150.000	142.438	5.0	100	0.01
43	TMP	2-Hexanone	750.000	662.293	11.7	100	0.01
44	TMP	1,3-Dichloropropane	150.000	139.321	7.1	100	0.01
45	TMP	Tetrachloroethene	150.000	150.512	-0.3	100	0.00
46	TMP	Dibromochloromethane	150.000	154.741	-3.2	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	150.000	136.330	9.1	100	0.00
48	TMP	Chlorobenzene	150.000	144.337	3.8	100	0.00
49	TMP	Ethylbenzene	150.000	143.309	4.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	150.000	150.602	-0.4	100	0.00
51	TMP	m,p-Xylene	300.000	290.786	3.1	100	0.00
52	TMP	o-Xylene	150.000	147.724	1.5	100	0.00
53	TMP	Styrene	150.000	147.376	1.7	100	0.00
54	TMP	Isopropylbenzene	150.000	146.164	2.6	100	0.00
55	TMP	Bromoform	150.000	163.067	-8.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.977	0.2	100	0.00
58	TMP	n-Propylbenzene	150.000	146.602	2.3	100	0.00
59	TMP	Bromobenzene	150.000	147.523	1.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	150.000	148.220	1.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	150.000	144.814	3.5	100	0.00
62	TMP	1,2,3-Trichloropropane	150.000	145.308	3.1	100	0.00
63	TMP	2-Chlorotoluene	150.000	144.478	3.7	100	0.00
64	TMP	4-Chlorotoluene	150.000	147.408	1.7	100	0.00
65	TMP	tert-Butylbenzene	150.000	154.327	-2.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	150.000	152.069	-1.4	100	0.00
67	TMP	sec-Butylbenzene	150.000	153.063	-2.0	100	0.00
68	TMP	p-Isopropyltoluene	150.000	154.070	-2.7	100	0.00
69	TMP	1,3-Dichlorobenzene	150.000	148.676	0.9	100	0.00
70	TMP	1,4-Dichlorobenzene	150.000	146.541	2.3	100	0.00
71	TMP	1,2-Dichlorobenzene	150.000	147.024	2.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	150.000	153.370	-2.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	150.000	156.771	-4.5	100	0.00
74 TMP	Hexachlorobutadiene	150.000	155.846	-3.9	100	0.00
75 TMP	Naphthalene	150.000	161.046	-7.4	100	0.00
76 TMP	1,2,3-Trichlorobenzene	150.000	156.783	-4.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
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QLast Update : Wed Aug 10 13:56:13 2022
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DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.276	-0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.847	-3.3	100	0.00
5	TMP	Chloromethane	0.866	0.872	-0.7	99	0.02
6	TMP	Vinyl chloride	0.799	0.820	-2.6	101	0.02
7	TMP	Bromomethane	0.473	0.495	-4.7	99	0.02
8	TMP	Chloroethane	0.404	0.398	1.5	100	0.02
9	TMP	Trichlorofluoromethane	0.957	0.958	-0.1	101	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.04
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.262	4.0	100	0.02
13	TMP	Hexane	0.415	0.416	-0.2	100	0.02
14	TMP	Methylene chloride	0.362	0.281	22.4#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.030#	0.0	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.718	4.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.281	10.8	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.968	-3.2	100	0.02
19	TMP	1,1-Dichloroethane	0.541	0.514	5.0	100	0.02
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.324	1.8	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.280	12.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.300	7.7	100	0.00
23	TMP	Chloroform	0.491	0.480	2.2	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.122	6.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.716	1.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.377	17.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.439	2.4	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.370	0.5	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.390	0.0	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.060	-1.7	100	0.00
31	TMP	Benzene	1.115	1.043	6.5	100	0.00
32	TMP	Trichloroethene	0.327	0.301	8.0	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.273	4.9	100	0.00
34	TMP	Bromodichloromethane	0.349	0.352	-0.9	100	0.00
35	S	Toluene-d8	0.962	0.950	1.2	100	0.00
36	TMP	Dibromomethane	0.166	0.158	4.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.040	2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.401	-1.8	100	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.846	19.1	100	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.448	3.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.238	4.8	100	0.01
43	TMP	2-Hexanone	0.239	0.211	11.7	100	0.01
44	TMP	1,3-Dichloropropane	0.444	0.413	7.0	100	0.01
45	TMP	Tetrachloroethene	0.421	0.349	17.1	100	0.00
46	TMP	Dibromochloromethane	0.337	0.347	-3.0	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.285	9.2	100	0.00
48	TMP	Chlorobenzene	0.977	0.940	3.8	100	0.00
49	TMP	Ethylbenzene	1.708	1.528	10.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.354	-0.6	100	0.00
51	TMP	m,p-Xylene	0.670	0.601	10.3	100	0.00
52	TMP	o-Xylene	0.661	0.606	8.3	100	0.00
53	TMP	Styrene	0.990	0.972	1.8	100	0.00
54	TMP	Isopropylbenzene	1.609	1.568	2.5	100	0.00
55	TMP	Bromoform	0.228	0.248	-8.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.824	0.2	100	0.00
58	TMP	n-Propylbenzene	3.181	3.109	2.3	100	0.00
59	TMP	Bromobenzene	0.791	0.778	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.330	1.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.626	3.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.441#	3.1	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.814	3.7	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.141	1.7	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.167	-2.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.460	-1.4	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.139	-2.0	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.732	-2.7	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.473	0.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.416	2.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.425	2.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.119	-2.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.151	-4.5	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.630	-3.8	100	0.00
75 TMP	Naphthalene	2.108	2.263	-7.4	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.031	-4.6	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	69478	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	52550	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	30248	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	18890	9.929	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.30%			
30) 1,2-Dichloroethane-d4	4.36	102	4325	10.499	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 105.00%			
35) Toluene-d8	5.98	98	66968	10.022	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.20%			
57) 4-Bromofluorobenzene	8.38	95	25269	10.110	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.10%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.08	85	1042332	183.005	ppb	98
5) Chloromethane	1.22	50	1091349	181.383	ppb	99
6] Vinyl chloride	1.29	62	1023369	184.404	ppb	98
7) Bromomethane	1.52	94	622823	189.431	ppb	96
8] Chloroethane	1.58	64	497363	177.180	ppb	98
9) Trichlorofluoromethane	1.77	101	1261554	189.656	ppb	99
10) 2-Propanol	2.41	45	620	No Calib		
11) Acetone	2.25	58	143545	973.672	ppb	99
12] 1,1-Dichloroethene	2.18	96	329599	173.980	ppb	91
13) Hexane	3.05	57	542050	187.895	ppb	98
14) Methylene chloride	2.60	84	350248	195.511	ppb	92
15) t-Butyl alcohol (TBA)	2.73	59	189994	909.276	ppb	98
16] Methyl t-butyl ether (...	2.83	73	907090	173.305	ppb	97
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	642961	170.908	ppb	98
20) Ethyl t-butyl ether (E...	3.55	87	406210	177.396	ppb	93
21) 2,2-Dichloropropane	3.67	77	358811	197.070	ppb	100
22] cis-1,2-Dichloroethene	3.67	96	374931	175.919	ppb	94
23) Chloroform	3.94	83	598943	175.593	ppb	99
24) 2-Butanone (MEK)	3.70	43	761063	899.806	ppb	98
25) t-Amyl methyl ether (T...	4.49	73	902329	179.294	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	471226	173.524	ppb	97
27] 1,1,1-Trichloroethane	4.08	97	547918	175.187	ppb	96

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.22	75	462009	178.779	ppb	98
29) Carbon tetrachloride	4.21	117	487014	179.534	ppb	96
31] Benzene	4.39	78	1300819	176.041	ppb	98
32] Trichloroethene	4.93	95	376649	177.643	ppb	86
33) 1,2-Dichloropropane	5.13	63	339947	170.293	ppb	99
34) Bromodichloromethane	5.37	83	441540	182.128	ppb	97
36) Dibromomethane	5.23	93	198032	171.561	ppb	97
37) 4-Methyl-2-pentanone	5.91	85	254347	898.287	ppb	96
38) cis-1,3-Dichloropropene	5.75	75	504303	184.379	ppb	98
40] Toluene	6.04	92	819411	183.356	ppb	91
41) trans-1,3-Dichloropropene	6.25	75	433017	178.347	ppb	99
42] 1,1,2-Trichloroethane	6.40	83	231349	175.911	ppb	93
43) 2-Hexanone	6.64	43	1023231	815.293	ppb	99
44) 1,3-Dichloropropane	6.57	76	402502	172.442	ppb	99
45] Tetrachloroethene	6.51	164	342202	187.140	ppb	97
46) Dibromochloromethane	6.76	129	343961	194.459	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	276481	167.594	ppb	98
48) Chlorobenzene	7.30	112	907132	176.738	ppb	98
49] Ethylbenzene	7.41	91	1478712	175.932	ppb	88
50) 1,1,1,2-Tetrachloroethane	7.38	131	342718	185.207	ppb	98
51] m,p-Xylene	7.52	106	1166452	358.011	ppb	90
52] o-Xylene	7.88	106	586552	181.376	ppb	91
53) Styrene	7.91	104	937171	180.212	ppb	96
54) Isopropylbenzene	8.23	105	1516894	179.379	ppb	98
55) Bromoform	8.08	173	242194	202.011	ppb	99
58) n-Propylbenzene	8.63	91	1716783	178.428	ppb	98
59) Bromobenzene	8.52	156	428650	179.166	ppb	97
60) 1,3,5-Trimethylbenzene	8.80	105	1290961	181.012	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.54	83	344799	175.882	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	241530	175.376	ppb	98
63) 2-Chlorotoluene	8.70	91	1005748	176.512	ppb	98
64) 4-Chlorotoluene	8.81	91	1169213	177.416	ppb	97
65) tert-Butylbenzene	9.11	119	1198490	188.108	ppb	96
66) 1,2,4-Trimethylbenzene	9.16	105	1356976	184.881	ppb	98
67) sec-Butylbenzene	9.32	105	1736940	186.641	ppb	98
68) p-Isopropyltoluene	9.47	119	1518085	188.711	ppb	100
69) 1,3-Dichlorobenzene	9.42	146	817983	181.907	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	780166	177.967	ppb	97
71) 1,2-Dichlorobenzene	9.87	146	786203	178.819	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	67161	190.601	ppb	93
73) 1,2,4-Trichlorobenzene	11.44	180	641969	192.766	ppb	99

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

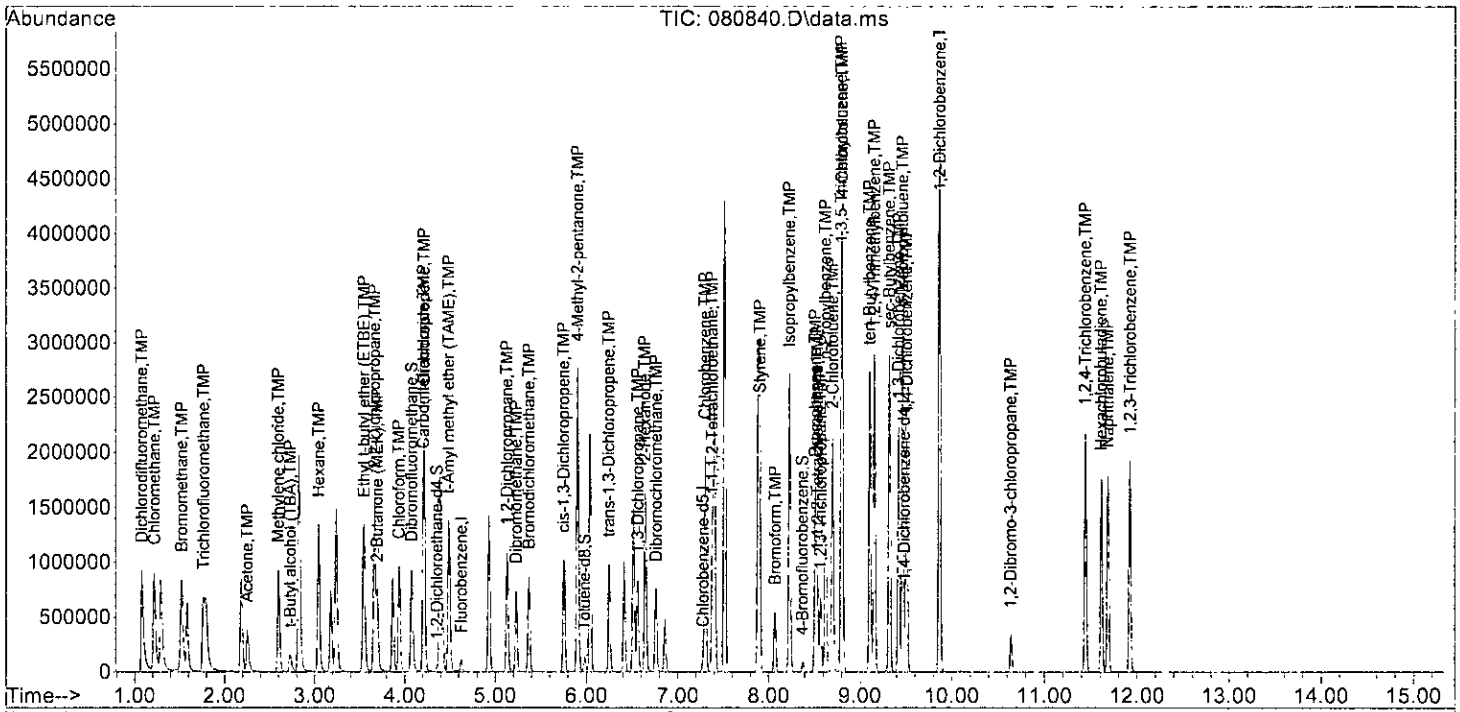
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	354886	193.401	ppb	97
75) Naphthalene	11.69	128	1256190	197.029	ppb	99
76) 1,2,3-Trichlorobenzene	11.93	180	570678	191.279	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.929	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	200.000	183.005	8.5	100	0.00
5	TMP	Chloromethane	200.000	181.383	9.3	100	0.00
6	TMP	Vinyl chloride	200.000	184.404	7.8	100	0.00
7	TMP	Bromomethane	200.000	189.431	5.3	100	0.00
8	TMP	Chloroethane	200.000	177.180	11.4	100	0.00
9	TMP	Trichlorofluoromethane	200.000	189.656	5.2	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	1000.000	973.672	2.6	100	0.00
12	TMP	1,1-Dichloroethene	200.000	173.980	13.0	100	0.00
13	TMP	Hexane	200.000	187.895	6.1	100	0.00
14	TMP	Methylene chloride	200.000	195.511	2.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	1000.000	909.276	9.1	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	200.000	173.305	13.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	-1.000	0.000	0.0	0	-2.82#
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.23#
19	TMP	1,1-Dichloroethane	200.000	170.908	14.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	200.000	177.396	11.3	100	0.00
21	TMP	2,2-Dichloropropane	200.000	197.070	1.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	200.000	175.919	12.0	100	0.00
23	TMP	Chloroform	200.000	175.593	12.2	100	0.00
24	TMP	2-Butanone (MEK)	1000.000	899.806	10.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	200.000	179.294	10.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	200.000	173.524	13.2	100	0.00
27	TMP	1,1,1-Trichloroethane	200.000	175.187	12.4	100	0.00
28	TMP	1,1-Dichloropropene	200.000	178.779	10.6	100	0.00
29	TMP	Carbon tetrachloride	200.000	179.534	10.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.499	-5.0	100	0.00
31	TMP	Benzene	200.000	176.041	12.0	100	0.00
32	TMP	Trichloroethene	200.000	177.643	11.2	100	0.00
33	TMP	1,2-Dichloropropane	200.000	170.293	14.9	100	0.00
34	TMP	Bromodichloromethane	200.000	182.128	8.9	100	0.00
35	S	Toluene-d8	10.000	10.022	-0.2	100	0.00
36	TMP	Dibromomethane	200.000	171.561	14.2	100	0.00
37	TMP	4-Methyl-2-pentanone	1000.000	898.287	10.2	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	200.000	184.379	7.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	200.000	183.356	8.3	100	0.01
41	TMP	trans-1,3-Dichloropropene	200.000	178.347	10.8	100	0.00
42	TMP	1,1,2-Trichloroethane	200.000	175.911	12.0	100	0.00
43	TMP	2-Hexanone	1000.000	815.293	18.5	100	0.00
44	TMP	1,3-Dichloropropane	200.000	172.442	13.8	100	0.01
45	TMP	Tetrachloroethene	200.000	187.140	6.4	100	0.00
46	TMP	Dibromochloromethane	200.000	194.459	2.8	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	200.000	167.594	16.2	100	0.00
48	TMP	Chlorobenzene	200.000	176.738	11.6	100	0.00
49	TMP	Ethylbenzene	200.000	175.932	12.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	200.000	185.207	7.4	100	0.00
51	TMP	m,p-Xylene	400.000	358.011	10.5	100	0.00
52	TMP	o-Xylene	200.000	181.376	9.3	100	0.00
53	TMP	Styrene	200.000	180.212	9.9	100	0.00
54	TMP	Isopropylbenzene	200.000	179.379	10.3	100	0.00
55	TMP	Bromoform	200.000	202.011	-1.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.110	-1.1	100	0.00
58	TMP	n-Propylbenzene	200.000	178.428	10.8	100	0.00
59	TMP	Bromobenzene	200.000	179.166	10.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	200.000	181.012	9.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	200.000	175.882	12.1	100	0.00
62	TMP	1,2,3-Trichloropropane	200.000	175.376	12.3	100	0.00
63	TMP	2-Chlorotoluene	200.000	176.512	11.7	100	0.00
64	TMP	4-Chlorotoluene	200.000	177.416	11.3	100	0.00
65	TMP	tert-Butylbenzene	200.000	188.108	5.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	200.000	184.881	7.6	100	0.00
67	TMP	sec-Butylbenzene	200.000	186.641	6.7	100	0.00
68	TMP	p-Isopropyltoluene	200.000	188.711	5.6	100	0.00
69	TMP	1,3-Dichlorobenzene	200.000	181.907	9.0	100	0.00
70	TMP	1,4-Dichlorobenzene	200.000	177.967	11.0	100	0.00
71	TMP	1,2-Dichlorobenzene	200.000	178.819	10.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	200.000	190.601	4.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	200.000	192.766	3.6	100	0.00
74 TMP	Hexachlorobutadiene	200.000	193.401	3.3	100	0.00
75 TMP	Naphthalene	200.000	197.029	1.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	200.000	191.279	4.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.272	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.750	8.5	100	0.00
5	TMP	Chloromethane	0.866	0.785	9.4	100	0.00
6	TMP	Vinyl chloride	0.799	0.736	7.9	100	0.00
7	TMP	Bromomethane	0.473	0.448	5.3	100	0.00
8	TMP	Chloroethane	0.404	0.358	11.4	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.908	5.1	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.025	0.021	16.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.237	13.2	100	0.00
13	TMP	Hexane	0.415	0.390	6.0	100	0.00
14	TMP	Methylene chloride	0.362	0.252	30.4#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.027#	10.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.653	13.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.000#	100.0#	0#	-2.82#
18	TMP	Diisopropyl ether (DIPE)	0.938	0.000#	100.0#	0#	-3.23#
19	TMP	1,1-Dichloroethane	0.541	0.463	14.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.292	11.5	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.258	19.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.270	16.9	100	0.00
23	TMP	Chloroform	0.491	0.431	12.2	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.110	16.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.649	10.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.339	25.8#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.394	12.4	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.332	10.8	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.350	10.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.062	-5.1	100	0.00
31	TMP	Benzene	1.115	0.936	16.1	100	0.00
32	TMP	Trichloroethene	0.327	0.271	17.1	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.245	14.6	100	0.00
34	TMP	Bromodichloromethane	0.349	0.318	8.9	100	0.00
35	S	Toluene-d8	0.962	0.964	-0.2	100	0.00
36	TMP	Dibromomethane	0.166	0.143	13.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.037	9.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.363	7.9	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.780	25.4#	100	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.412	10.8	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.220	12.0	100	0.00
43	TMP	2-Hexanone	0.239	0.195	18.4	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.383	13.7	100	0.01
45	TMP	Tetrachloroethene	0.421	0.326	22.6#	100	0.00
46	TMP	Dibromochloromethane	0.337	0.327	3.0	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.263	16.2	100	0.00
48	TMP	Chlorobenzene	0.977	0.863	11.7	100	0.00
49	TMP	Ethylbenzene	1.708	1.407	17.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.326	7.4	100	0.00
51	TMP	m,p-Xylene	0.670	0.555	17.2	100	0.00
52	TMP	o-Xylene	0.661	0.558	15.6	100	0.00
53	TMP	Styrene	0.990	0.892	9.9	100	0.00
54	TMP	Isopropylbenzene	1.609	1.443	10.3	100	0.00
55	TMP	Bromoform	0.228	0.230	-0.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.835	-1.1	100	0.00
58	TMP	n-Propylbenzene	3.181	2.838	10.8	100	0.00
59	TMP	Bromobenzene	0.791	0.709	10.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.134	9.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.570	12.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.399#	12.3	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.663	11.7	100	0.00
64	TMP	4-Chlorotoluene	2.179	1.933	11.3	100	0.00
65	TMP	tert-Butylbenzene	2.106	1.981	5.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.243	7.6	100	0.00
67	TMP	sec-Butylbenzene	3.077	2.871	6.7	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.509	5.7	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.352	9.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.290	11.0	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.300	10.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.111	4.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.061	3.6	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.587	3.3	100	0.00
75 TMP	Naphthalene	2.108	2.076	1.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.943	4.4	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080841.D
Acq On : 08 Aug 2022 11:49 pm
Operator : RF
Sample : rinse
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.64	96	69376	10.000	ppb		0.02
39) Chlorobenzene-d5	7.28	117	50592	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.49	152	28399	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.09	113	19577	10.306	ppb		0.02
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.10%				
30) 1,2-Dichloroethane-d4	4.37	102	4038	9.817	ppb		0.02
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.20%				
35) Toluene-d8	5.98	98	63793	9.561	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 95.60%				
57) 4-Bromofluorobenzene	8.38	95	24088	10.265	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 102.70%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	1175	0.207	ppb		77
5) Chloromethane	1.23	50	1916	0.319	ppb		89
6] Vinyl chloride	1.31	62	1871	0.338	ppb		96
7) Bromomethane	1.55	94	5148	1.568	ppb	#	51
8] Chloroethane	1.61	64	870	0.310	ppb	#	1
9) Trichlorofluoromethane	1.78	101	723	0.109	ppb		86
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.28	58	416	1.141	ppb		97
12] 1,1-Dichloroethene	2.20	96	540	0.285	ppb		95
13) Hexane	3.06	57	1520	0.528	ppb		89
14) Methylene chloride	2.61	84	20046	4.985	ppb		93
15) t-Butyl alcohol (TBA)	2.76	59	129	0.618	ppb	#	1
16] Methyl t-butyl ether (...	2.85	73	782	0.150	ppb		59
17] trans-1,2-Dichloroethene	2.84	96	769	0.372	ppb		97
18) Diisopropyl ether (DIPE)	3.25	45	454	0.070	ppb		87
19] 1,1-Dichloroethane	3.19	63	445	0.118	ppb		100
20) Ethyl t-butyl ether (E...	3.56	87	231	0.101	ppb	#	45
21) 2,2-Dichloropropane	3.67	77	368	0.051	ppb		48
22] cis-1,2-Dichloroethene	3.68	96	586	0.266	ppb		95
23) Chloroform	3.95	83	556	0.163	ppb		84
24) 2-Butanone (MEK)	3.72	43	1068	0.812	ppb		64
25) t-Amyl methyl ether (T...	4.50	73	459	0.091	ppb		76
26] 1,2-Dichloroethane (EDC)	4.42	62	801	0.270	ppb		96
27] 1,1,1-Trichloroethane	4.09	97	326	0.104	ppb		92

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080841.D
Acq On : 08 Aug 2022 11:49 pm
Operator : RF
Sample : rinse
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	4.23	75	623	0.241	ppb		76
29)	Carbon tetrachloride	4.22	117	517	0.191	ppb	#	60
31]	Benzene	4.39	78	1213	0.157	ppb		96
32]	Trichloroethene	4.94	95	605	0.275	ppb		96
33)	1,2-Dichloropropane	5.14	63	346	0.174	ppb	#	87
34)	Bromodichloromethane	5.37	83	354	0.146	ppb		81
36)	Dibromomethane	5.23	93	523	0.454	ppb		91
37)	4-Methyl-2-pentanone	5.91	85	199	0.704	ppb	#	51
38)	cis-1,3-Dichloropropene	5.76	75	774	0.283	ppb		86
40]	Toluene	6.04	92	1066	0.180	ppb		93
41)	trans-1,3-Dichloropropene	6.26	75	1099	0.470	ppb		74
42]	1,1,2-Trichloroethane	6.41	83	252	0.199	ppb		86
43)	2-Hexanone	6.65	43	1812	1.500	ppb		90
44)	1,3-Dichloropropane	6.57	76	605	0.269	ppb		97
45]	Tetrachloroethene	6.52	164	536	0.273	ppb		93
46)	Dibromochloromethane	6.76	129	409	0.240	ppb		70
47]	1,2-Dibromoethane (EDB)	6.85	107	712	0.448	ppb		94
48)	Chlorobenzene	7.30	112	1414	0.286	ppb		96
49]	Ethylbenzene	7.41	91	1900	0.225	ppb		92
50)	1,1,1,2-Tetrachloroethane	7.39	131	318	0.178	ppb		91
51]	m,p-Xylene	7.52	106	1561	0.474	ppb		88
52]	o-Xylene	7.88	106	684	0.209	ppb		90
53)	Styrene	7.90	104	1514	0.302	ppb		97
54)	Isopropylbenzene	8.23	105	2178	0.268	ppb		89
55)	Bromoform	8.07	173	366	0.317	ppb		85
58)	n-Propylbenzene	8.63	91	3034	0.336	ppb		87
59)	Bromobenzene	8.52	156	903	0.402	ppb		76
60)	1,3,5-Trimethylbenzene	8.80	105	2656	0.397	ppb		99
61)	1,1,2,2-Tetrachloroethane	8.53	83	521	0.283	ppb		92
62)	1,2,3-Trichloropropane	8.57	75	364	0.282	ppb		81
63)	2-Chlorotoluene	8.70	91	1645	0.307	ppb		88
64)	4-Chlorotoluene	8.81	91	2455	0.397	ppb		96
65)	tert-Butylbenzene	9.11	119	2623	0.438	ppb		87
66)	1,2,4-Trimethylbenzene	9.16	105	2523	0.366	ppb		97
67)	sec-Butylbenzene	9.32	105	4497	0.515	ppb		87
68)	p-Isopropyltoluene	9.47	119	3971	0.526	ppb		89
69)	1,3-Dichlorobenzene	9.42	146	1801	0.427	ppb		95
70)	1,4-Dichlorobenzene	9.50	146	1938	0.471	ppb		97
71)	1,2-Dichlorobenzene	9.87	146	1935	0.469	ppb		90
72)	1,2-Dibromo-3-chloropr...	10.64	75	188	0.568	ppb	#	64
73)	1,2,4-Trichlorobenzene	11.44	180	3435	1.099	ppb		96

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080841.D
Acq On : 08 Aug 2022 11:49 pm
Operator : RF
Sample : rinse
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

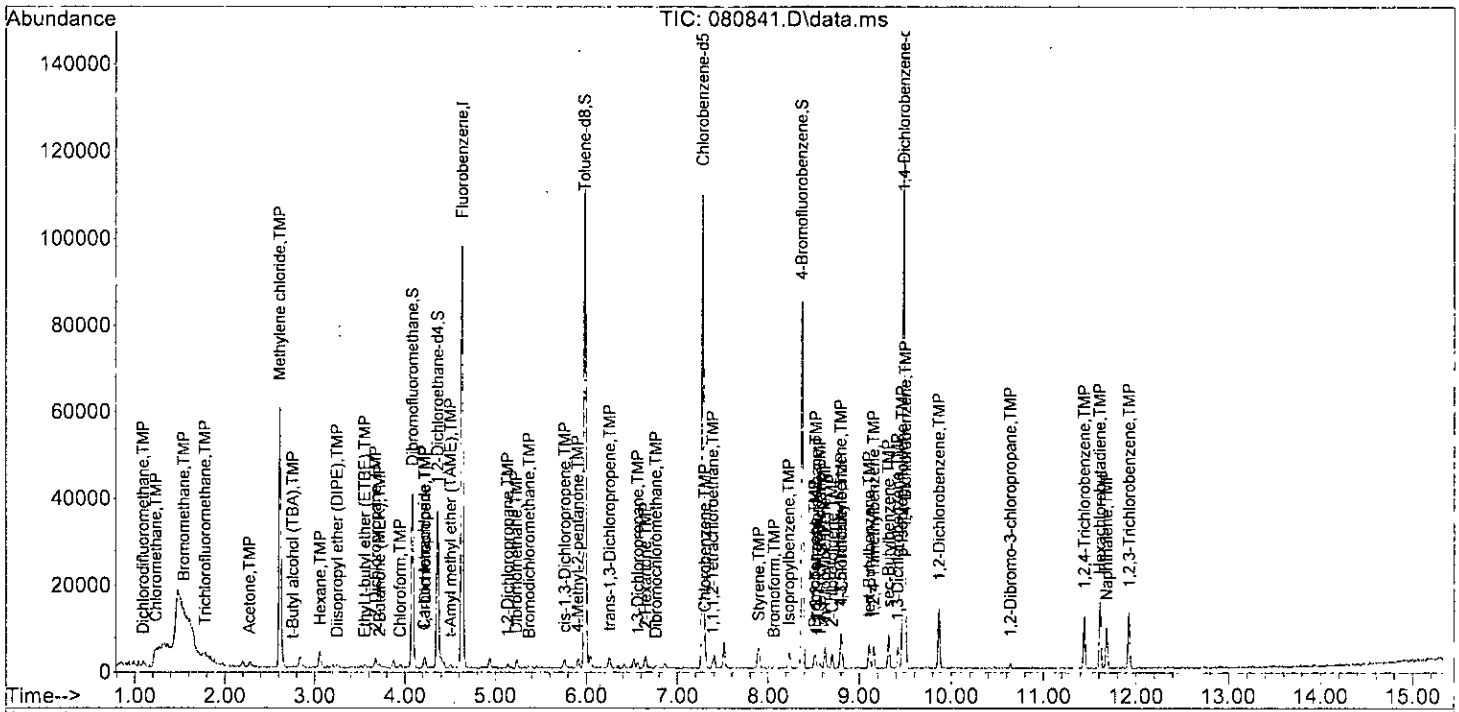
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	3200	1.857	ppb	91
75) Naphthalene	11.69	128	6529	1.091	ppb	93
76) 1,2,3-Trichlorobenzene	11.93	180	3855	1.376	ppb	92

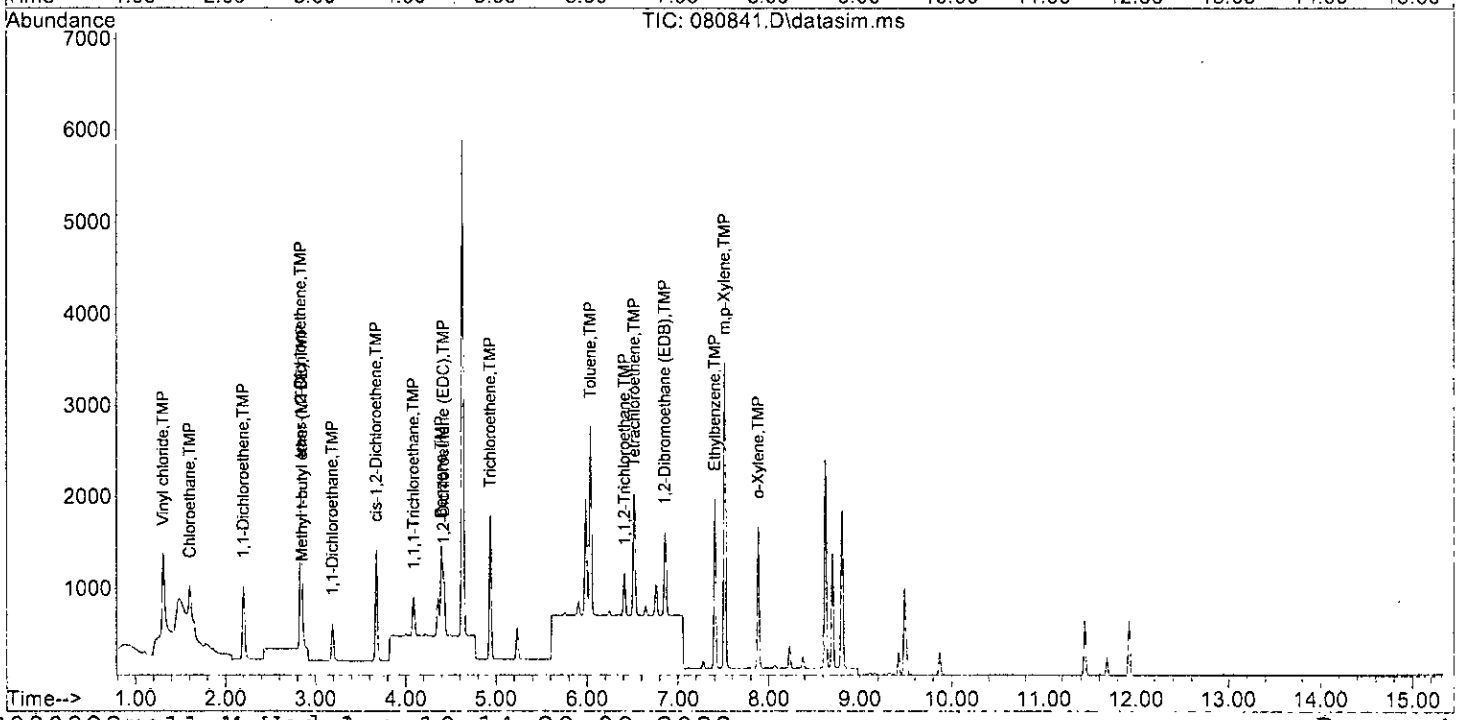
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080841.D
Acq On : 08 Aug 2022 11:49 pm
Operator : RF
Sample : rinse
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

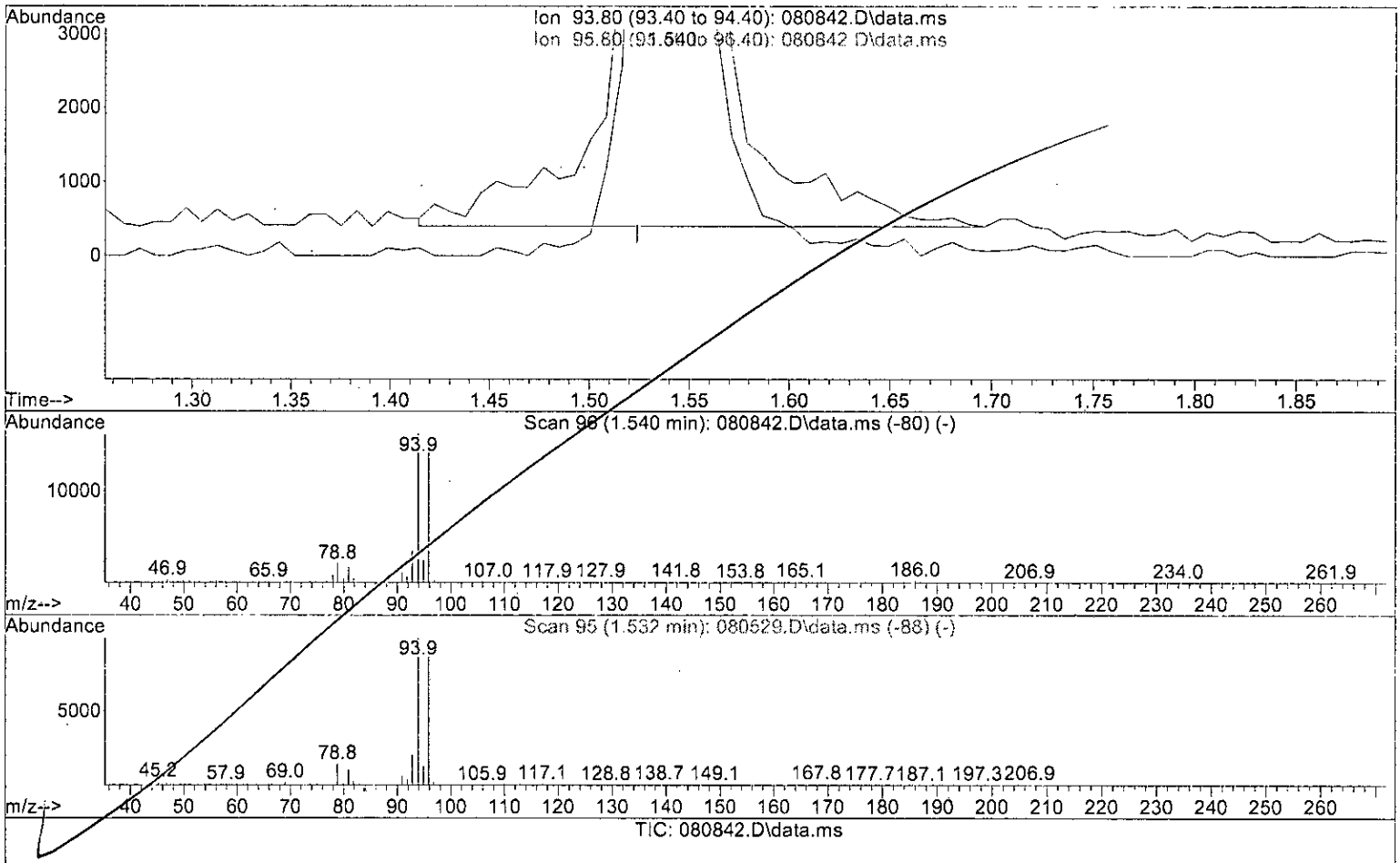




Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:48 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



(7) Bromomethane (TMP)

1.540min (+ 0.016) 12.316 ppb

response 39758

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	92.50
0.00	0.00	0.00
0.00	0.00	0.00

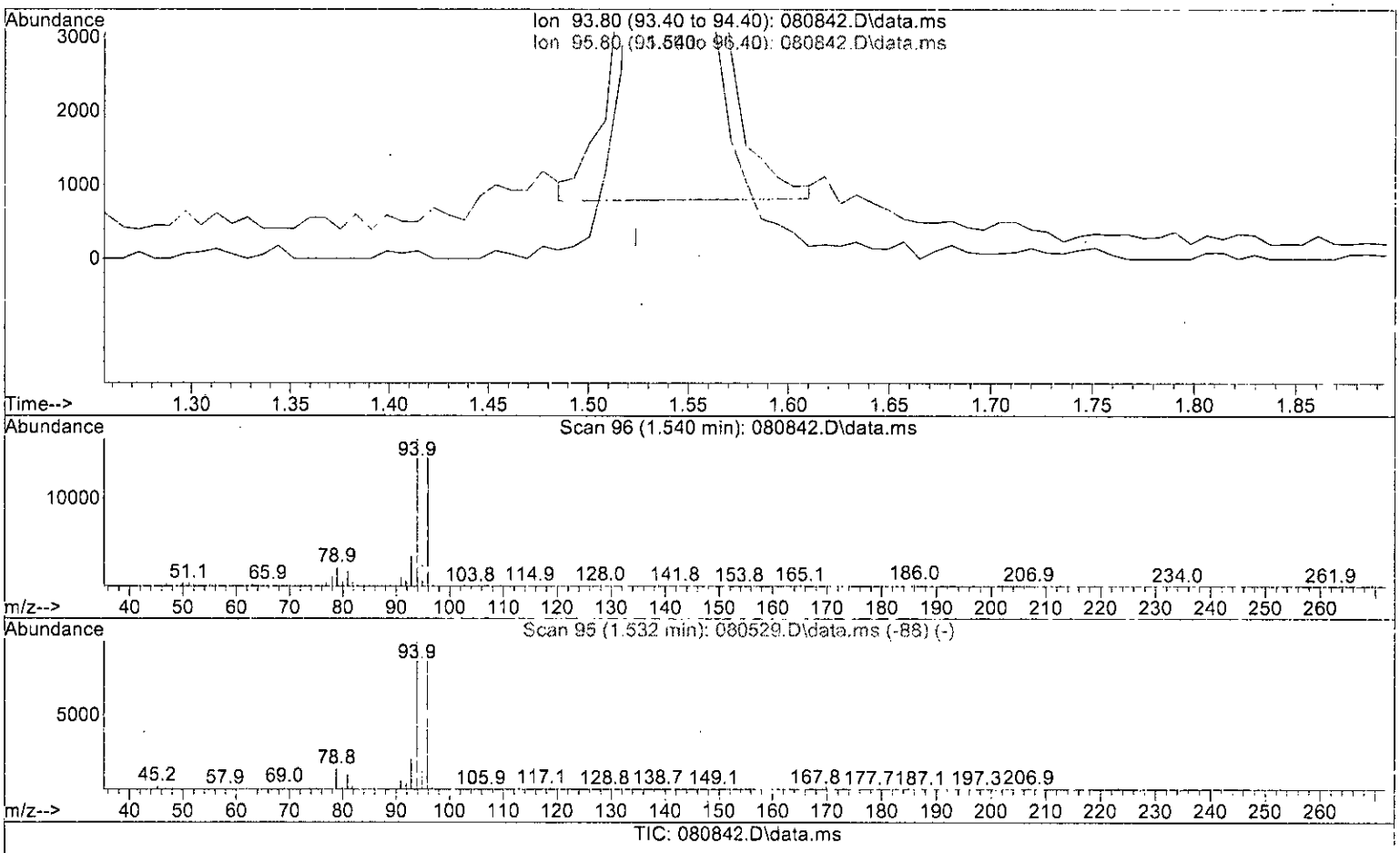
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:48 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080842.D\data.ms

(7) Bromomethane (TMP)

1.540min (+ 0.016) 10.380 ppb m

response 33508

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	90.72
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.64	96	68215	10.000	ppb		0.02
39) Chlorobenzene-d5	7.28	117	50991	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	29019	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.09	113	19467	10.422	ppb		0.02
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.20%				
30) 1,2-Dichloroethane-d4	4.36	102	4082	10.093	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 100.90%				
35) Toluene-d8	5.98	98	63498	9.679	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 96.80%				
57) 4-Bromofluorobenzene	8.38	95	24011	10.014	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.10%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	46152	8.253	ppb		100
5) Chloromethane	1.23	50	55339	9.368	ppb		98
6] Vinyl chloride	1.31	62	56550	10.379	ppb		97
7) Bromomethane	1.54	94	33508m	10.380	ppb		
8] Chloroethane	1.60	64	28979	10.515	ppb		92
9) Trichlorofluoromethane	1.78	101	66915	10.246	ppb		97
10) 2-Propanol	2.44	45	87	No Calib			
11) Acetone	2.28	58	14064	84.425	ppb	#	84
12] 1,1-Dichloroethene	2.20	96	19845	10.669	ppb		95
13) Hexane	3.05	57	25065	8.849	ppb		95
14) Methylene chloride	2.61	84	29907	9.912	ppb		92
15) t-Butyl alcohol (TBA)	2.75	59	11090	54.057	ppb		89
16] Methyl t-butyl ether (...	2.85	73	55421	10.785	ppb		98
17] trans-1,2-Dichloroethene	2.84	96	21680	11.019	ppb		94
18) Diisopropyl ether (DIPE)	3.25	45	65356	10.210	ppb		98
19] 1,1-Dichloroethane	3.19	63	39276	10.633	ppb		99
20) Ethyl t-butyl ether (E...	3.56	87	23107	10.278	ppb		88
21) 2,2-Dichloropropane	3.67	77	19701	9.640	ppb		99
22] cis-1,2-Dichloroethene	3.68	96	22718	10.848	ppb		98
23) Chloroform	3.95	83	35020	10.457	ppb		95
24) 2-Butanone (MEK)	3.71	43	57012	68.235	ppb		98
25) t-Amyl methyl ether (T...	4.50	73	53382	10.803	ppb		98
26] 1,2-Dichloroethane (EDC)	4.42	62	28311	10.595	ppb		98
27] 1,1,1-Trichloroethane	4.09	97	33457	10.895	ppb		95

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.23	75	26858	10.585	ppb	98
29) Carbon tetrachloride	4.22	117	28261	10.611	ppb	98
31] Benzene	4.39	78	77276	10.645	ppb	96
32] Trichloroethene	4.94	95	22287	10.696	ppb	94
33) 1,2-Dichloropropane	5.14	63	19317	9.856	ppb	97
34) Bromodichloromethane	5.37	83	23749	9.977	ppb	99
36) Dibromomethane	5.24	93	11676	10.303	ppb	96
37) 4-Methyl-2-pentanone	5.91	85	14289	51.399	ppb	99
38) cis-1,3-Dichloropropene	5.76	75	27288	10.162	ppb	98
40] Toluene	6.04	92	47015	10.778	ppb	95
41) trans-1,3-Dichloropropene	6.26	75	23477	9.965	ppb	99
42] 1,1,2-Trichloroethane	6.41	83	13361	10.470	ppb	85
43) 2-Hexanone	6.65	43	71696	58.873	ppb	99
44) 1,3-Dichloropropane	6.57	76	24133	10.655	ppb	98
45] Tetrachloroethene	6.52	164	19234	10.811	ppb	93
46) Dibromochloromethane	6.76	129	18434	10.740	ppb	100
47] 1,2-Dibromoethane (EDB)	6.85	107	16776	10.480	ppb	96
48) Chlorobenzene	7.30	112	52377	10.517	ppb	97
49] Ethylbenzene	7.41	91	89476	10.962	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	19376	10.791	ppb	97
51] m,p-Xylene	7.52	106	68890	21.768	ppb	90
52] o-Xylene	7.88	106	35252	11.224	ppb	91
53) Styrene	7.90	104	54585	10.817	ppb	98
54) Isopropylbenzene	8.23	105	88771	10.818	ppb	98
55) Bromoform	8.08	173	12419	10.675	ppb	95
58) n-Propylbenzene	8.63	91	100097	10.844	ppb	96
59) Bromobenzene	8.52	156	25252	11.002	ppb	100
60) 1,3,5-Trimethylbenzene	8.80	105	74825	10.936	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.54	83	20314	10.801	ppb	95
62) 1,2,3-Trichloropropane	8.57	75	15133	11.453	ppb	94
63) 2-Chlorotoluene	8.70	91	59918	10.961	ppb	98
64) 4-Chlorotoluene	8.81	91	69946	11.063	ppb	97
65) tert-Butylbenzene	9.11	119	66228	10.835	ppb	96
66) 1,2,4-Trimethylbenzene	9.16	105	77079	10.946	ppb	98
67) sec-Butylbenzene	9.32	105	98157	10.994	ppb	100
68) p-Isopropyltoluene	9.47	119	85660	11.099	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	47916	11.107	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	46843	11.138	ppb	99
71) 1,2-Dichlorobenzene	9.87	146	46659	11.062	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	3651	10.800	ppb	87
73) 1,2,4-Trichlorobenzene	11.44	180	36403	11.394	ppb	98

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

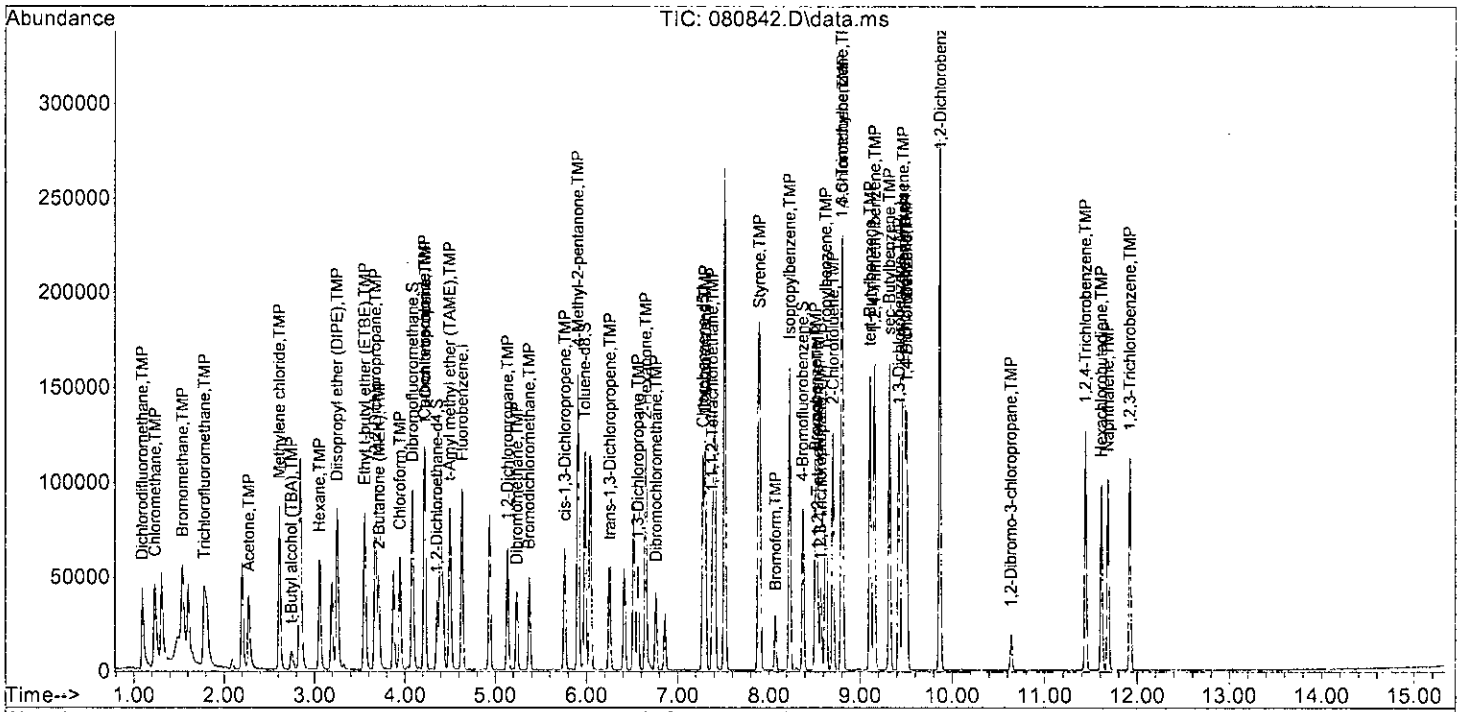
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	19254	10.937	ppb	98
75) Naphthalene	11.69	128	70145	11.468	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	32310	11.288	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
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DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	94	0.02
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.422	-4.2	98	0.02
4	TMP	Dichlorodifluoromethane	10.000	8.253	17.5	75	0.00
5	TMP	Chloromethane	10.000	9.368	6.3	86	0.02
6	TMP	Vinyl chloride	10.000	10.379	-3.8	92	0.02
7	TMP	Bromomethane	10.000	10.380	-3.8	97	0.02
8	TMP	Chloroethane	10.000	10.515	-5.2	93	0.02
9	TMP	Trichlorofluoromethane	10.000	10.246	-2.5	96	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.05
11	TMP	Acetone	50.000	84.425	-68.8#	157	0.02
12	TMP	1,1-Dichloroethene	10.000	10.669	-6.7	98	0.02
13	TMP	Hexane	10.000	8.849	11.5	80	0.02
14	TMP	Methylene chloride	10.000	9.912	0.9	96	0.02
15	TMP	t-Butyl alcohol (TBA)	50.000	54.057	-8.1	97	0.02
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.785	-7.9	97	0.02
17	TMP	trans-1,2-Dichloroethene	10.000	11.019	-10.2	97	0.02
18	TMP	Diisopropyl ether (DIPE)	10.000	10.210	-2.1	95	0.02
19	TMP	1,1-Dichloroethane	10.000	10.633	-6.3	98	0.02
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.278	-2.8	92	0.02
21	TMP	2,2-Dichloropropane	10.000	9.640	3.6	90	0.02
22	TMP	cis-1,2-Dichloroethene	10.000	10.848	-8.5	99	0.02
23	TMP	Chloroform	10.000	10.457	-4.6	95	0.00
24	TMP	2-Butanone (MEK)	50.000	68.235	-36.5#	126	0.02
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.803	-8.0	97	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.595	-6.0	95	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.895	-8.9	99	0.02
28	TMP	1,1-Dichloropropene	10.000	10.585	-5.9	97	0.02
29	TMP	Carbon tetrachloride	10.000	10.611	-6.1	98	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.093	-0.9	93	0.00
31	TMP	Benzene	10.000	10.645	-6.4	95	0.00
32	TMP	Trichloroethene	10.000	10.696	-7.0	96	0.00
33	TMP	1,2-Dichloropropane	10.000	9.856	1.4	92	0.00
34	TMP	Bromodichloromethane	10.000	9.977	0.2	94	0.00
35	S	Toluene-d8	10.000	9.679	3.2	91	0.00
36	TMP	Dibromomethane	10.000	10.303	-3.0	97	0.00
37	TMP	4-Methyl-2-pentanone	50.000	51.399	-2.8	93	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	10.000	10.162	-1.6	91	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	91	0.00
40	TMP	Toluene	10.000	10.778	-7.8	93	0.01
41	TMP	trans-1,3-Dichloropropene	10.000	9.965	0.4	90	0.01
42	TMP	1,1,2-Trichloroethane	10.000	10.470	-4.7	91	0.01
43	TMP	2-Hexanone	50.000	58.873	-17.7	103	0.01
44	TMP	1,3-Dichloropropane	10.000	10.655	-6.5	94	0.01
45	TMP	Tetrachloroethene	10.000	10.811	-8.1	91	0.01
46	TMP	Dibromochloromethane	10.000	10.740	-7.4	91	0.01
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.480	-4.8	93	0.00
48	TMP	Chlorobenzene	10.000	10.517	-5.2	92	0.00
49	TMP	Ethylbenzene	10.000	10.962	-9.6	94	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.791	-7.9	95	0.00
51	TMP	m,p-Xylene	20.000	21.768	-8.8	93	0.00
52	TMP	o-Xylene	10.000	11.224	-12.2	97	0.00
53	TMP	Styrene	10.000	10.817	-8.2	94	0.00
54	TMP	Isopropylbenzene	10.000	10.818	-8.2	96	0.00
55	TMP	Bromoform	10.000	10.675	-6.8	96	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	90	0.00
57	S	4-Bromofluorobenzene	10.000	10.014	-0.1	90	0.00
58	TMP	n-Propylbenzene	10.000	10.844	-8.4	93	0.00
59	TMP	Bromobenzene	10.000	11.002	-10.0	94	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.936	-9.4	95	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.801	-8.0	94	0.00
62	TMP	1,2,3-Trichloropropane	10.000	11.453	-14.5	95	0.00
63	TMP	2-Chlorotoluene	10.000	10.961	-9.6	95	0.00
64	TMP	4-Chlorotoluene	10.000	11.063	-10.6	94	0.00
65	TMP	tert-Butylbenzene	10.000	10.835	-8.4	93	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.946	-9.5	96	0.00
67	TMP	sec-Butylbenzene	10.000	10.994	-9.9	95	0.00
68	TMP	p-Isopropyltoluene	10.000	11.099	-11.0	96	0.00
69	TMP	1,3-Dichlorobenzene	10.000	11.107	-11.1	94	0.00
70	TMP	1,4-Dichlorobenzene	10.000	11.138	-11.4	96	0.00
71	TMP	1,2-Dichlorobenzene	10.000	11.062	-10.6	95	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.800	-8.0	101	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	10.000	11.394	-13.9	99	0.00
74 TMP	Hexachlorobutadiene	10.000	10.937	-9.4	93	0.00
75 TMP	Naphthalene	10.000	11.468	-14.7	102	0.00
76 TMP	1,2,3-Trichlorobenzene	10.000	11.288	-12.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
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DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	94	0.02
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.285	-4.0	98	0.02
4	TMP	Dichlorodifluoromethane	0.820	0.677	17.4	75	0.00
5	TMP	Chloromethane	0.866	0.811	6.4	86	0.02
6	TMP	Vinyl chloride	0.799	0.829	-3.8	92	0.02
7	TMP	Bromomethane	0.473	0.491	-3.8	97	0.02
8	TMP	Chloroethane	0.404	0.425	-5.2	93	0.02
9	TMP	Trichlorofluoromethane	0.957	0.981	-2.5	96	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.05
11	TMP	Acetone	0.025	0.041	-64.0#	157	0.02
12	TMP	1,1-Dichloroethene	0.273	0.291	-6.6	98	0.02
13	TMP	Hexane	0.415	0.367	11.6	80	0.02
14	TMP	Methylene chloride	0.362	0.438	-21.0#	96	0.02
15	TMP	t-Butyl alcohol (TBA)	0.030	0.033	-10.0	97	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.812	-7.8	97	0.02
17	TMP	trans-1,2-Dichloroethene	0.315	0.318	-1.0	97	0.02
18	TMP	Diisopropyl ether (DIPE)	0.938	0.958	-2.1	95	0.02
19	TMP	1,1-Dichloroethane	0.541	0.576	-6.5	98	0.02
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.339	-2.7	92	0.02
21	TMP	2,2-Dichloropropane	0.319	0.289	9.4	90	0.02
22	TMP	cis-1,2-Dichloroethene	0.325	0.333	-2.5	99	0.02
23	TMP	Chloroform	0.491	0.513	-4.5	95	0.00
24	TMP	2-Butanone (MEK)	0.131	0.167	-27.5#	126	0.02
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.783	-8.1	97	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.415	9.2	95	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.490	-8.9	99	0.02
28	TMP	1,1-Dichloropropene	0.372	0.394	-5.9	97	0.02
29	TMP	Carbon tetrachloride	0.390	0.414	-6.2	98	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.060	-1.7	93	0.00
31	TMP	Benzene	1.115	1.133	-1.6	95	0.00
32	TMP	Trichloroethene	0.327	0.327	0.0	96	0.00
33	TMP	1,2-Dichloropropane	0.287	0.283	1.4	92	0.00
34	TMP	Bromodichloromethane	0.349	0.348	0.3	94	0.00
35	S	Toluene-d8	0.962	0.931	3.2	91	0.00
36	TMP	Dibromomethane	0.166	0.171	-3.0	97	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.042	-2.4	93	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.400	-1.5	91	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
40	TMP	Toluene	1.046	0.922	11.9	93	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.460	0.4	90	0.01
42	TMP	1,1,2-Trichloroethane	0.250	0.262	-4.8	91	0.01
43	TMP	2-Hexanone	0.239	0.281	-17.6	103	0.01
44	TMP	1,3-Dichloropropane	0.444	0.473	-6.5	94	0.01
45	TMP	Tetrachloroethene	0.421	0.377	10.5	91	0.01
46	TMP	Dibromochloromethane	0.337	0.362	-7.4	91	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.329	-4.8	93	0.00
48	TMP	Chlorobenzene	0.977	1.027	-5.1	92	0.00
49	TMP	Ethylbenzene	1.708	1.755	-2.8	94	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.380	-8.0	95	0.00
51	TMP	m,p-Xylene	0.670	0.676	-0.9	93	0.00
52	TMP	o-Xylene	0.661	0.691	-4.5	97	0.00
53	TMP	Styrene	0.990	1.070	-8.1	94	0.00
54	TMP	Isopropylbenzene	1.609	1.741	-8.2	96	0.00
55	TMP	Bromoform	0.228	0.244	-7.0	96	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
57	S	4-Bromofluorobenzene	0.826	0.827	-0.1	90	0.00
58	TMP	n-Propylbenzene	3.181	3.449	-8.4	93	0.00
59	TMP	Bromobenzene	0.791	0.870	-10.0	94	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.578	-9.3	95	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.700	-8.0	94	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.521	-14.5	95	0.00
63	TMP	2-Chlorotoluene	1.884	2.065	-9.6	95	0.00
64	TMP	4-Chlorotoluene	2.179	2.410	-10.6	94	0.00
65	TMP	tert-Butylbenzene	2.106	2.282	-8.4	93	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.656	-9.4	96	0.00
67	TMP	sec-Butylbenzene	3.077	3.383	-9.9	95	0.00
68	TMP	p-Isopropyltoluene	2.660	2.952	-11.0	96	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.651	-11.0	94	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.614	-11.4	96	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.608	-10.6	95	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.126	-8.6	101	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.254	-13.9	99	0.00
74 TMP	Hexachlorobutadiene	0.607	0.663	-9.2	93	0.00
75 TMP	Naphthalene	2.108	2.417	-14.7	102	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.113	-12.9	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080843.D
Acq On : 09 Aug 2022 12:34 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	67834	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	51434	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	29322	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	19816	10.669 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.70%		
30) 1,2-Dichloroethane-d4	4.36	102	3791	9.426 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 94.30%		
35) Toluene-d8	5.98	98	62953	9.650 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 96.50%		
57) 4-Bromofluorobenzene	8.38	95	24787	10.231 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 102.30%		
Target Compounds					Qvalue
2) Ethanol	1.87	45	59	No Calib	
4) Dichlorodifluoromethane	1.09	85	251	0.045 ppb #	41
5) Chloromethane	1.23	50	963	0.164 ppb	91
6] Vinyl chloride	1.29	62	732	0.135 ppb	82
7) Bromomethane	1.55	94	822	0.256 ppb #	27
8] Chloroethane	1.59	64	366	0.134 ppb #	1
9) Trichlorofluoromethane	1.77	101	82	0.013 ppb #	11
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	2.27	58	193	Below Cal #	32
12] 1,1-Dichloroethene	2.19	96	115	0.062 ppb	99
13) Hexane	3.05	57	524	0.186 ppb	64
14) Methylene chloride	2.61	84	24792	7.502 ppb	95
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17] trans-1,2-Dichloroethene	2.83	96	231	0.105 ppb	97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19] 1,1-Dichloroethane	3.18	63	96	0.026 ppb	98
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	3.75	77	60	Below Cal	48
22] cis-1,2-Dichloroethene	3.67	96	167	0.071 ppb	97
23) Chloroform	3.95	83	7867	2.362 ppb	99
24) 2-Butanone (MEK)	3.72	43	335	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26] 1,2-Dichloroethane (EDC)	4.42	62	268	0.076 ppb	97
27] 1,1,1-Trichloroethane	4.08	97	61	0.020 ppb	97

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080843.D
Acq On : 09 Aug 2022 12:34 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) 1,1-Dichloropropene	4.22	75	176	0.070	ppb		71
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.39	78	360	0.043	ppb		98
32] Trichloroethene	4.94	95	203	0.087	ppb		94
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	5.37	83	109	0.046	ppb	#	62
36) Dibromomethane	5.23	93	139	0.123	ppb	#	80
37) 4-Methyl-2-pentanone	0.00		0	N.D.			
38) cis-1,3-Dichloropropene	5.76	75	311	0.116	ppb	#	76
40] Toluene	6.04	92	442	0.033	ppb		92
41) trans-1,3-Dichloropropene	6.25	75	331	0.139	ppb		71
42] 1,1,2-Trichloroethane	6.40	83	74	0.057	ppb		88
43) 2-Hexanone	6.65	43	545	0.444	ppb		71
44) 1,3-Dichloropropane	6.55	76	167	0.073	ppb		63
45] Tetrachloroethene	6.51	164	200	0.080	ppb		97
46) Dibromochloromethane	6.76	129	77	0.044	ppb	#	12
47] 1,2-Dibromoethane (EDB)	6.85	107	228	0.141	ppb		93
48) Chlorobenzene	7.30	112	485	0.097	ppb		80
49] Ethylbenzene	7.41	91	687	0.073	ppb		88
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.52	106	568	0.154	ppb		94
52] o-Xylene	7.88	106	208	0.055	ppb		95
53) Styrene	7.91	104	500	0.098	ppb		98
54) Isopropylbenzene	8.23	105	656	0.079	ppb		83
55) Bromoform	8.07	173	99	0.084	ppb	#	35
58) n-Propylbenzene	8.63	91	1114	0.119	ppb		93
59) Bromobenzene	8.52	156	320	0.138	ppb		90
60) 1,3,5-Trimethylbenzene	8.80	105	762	0.110	ppb		94
61) 1,1,2,2-Tetrachloroethane	8.53	83	78	0.041	ppb	#	24
62) 1,2,3-Trichloropropane	8.57	75	120	0.090	ppb	#	49
63) 2-Chlorotoluene	8.70	91	603	0.109	ppb		90
64) 4-Chlorotoluene	8.81	91	970	0.152	ppb		88
65) tert-Butylbenzene	9.11	119	661	0.107	ppb		68
66) 1,2,4-Trimethylbenzene	9.15	105	916	0.129	ppb		98
67) sec-Butylbenzene	9.32	105	1201	0.133	ppb		98
68) p-Isopropyltoluene	9.47	119	1115	0.143	ppb		96
69) 1,3-Dichlorobenzene	9.42	146	781	0.179	ppb		84
70) 1,4-Dichlorobenzene	9.51	146	839	0.197	ppb		96
71) 1,2-Dichlorobenzene	9.87	146	687	0.161	ppb		93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.44	180	1159	0.359	ppb		93

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080843.D
Acq On : 09 Aug 2022 12:34 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

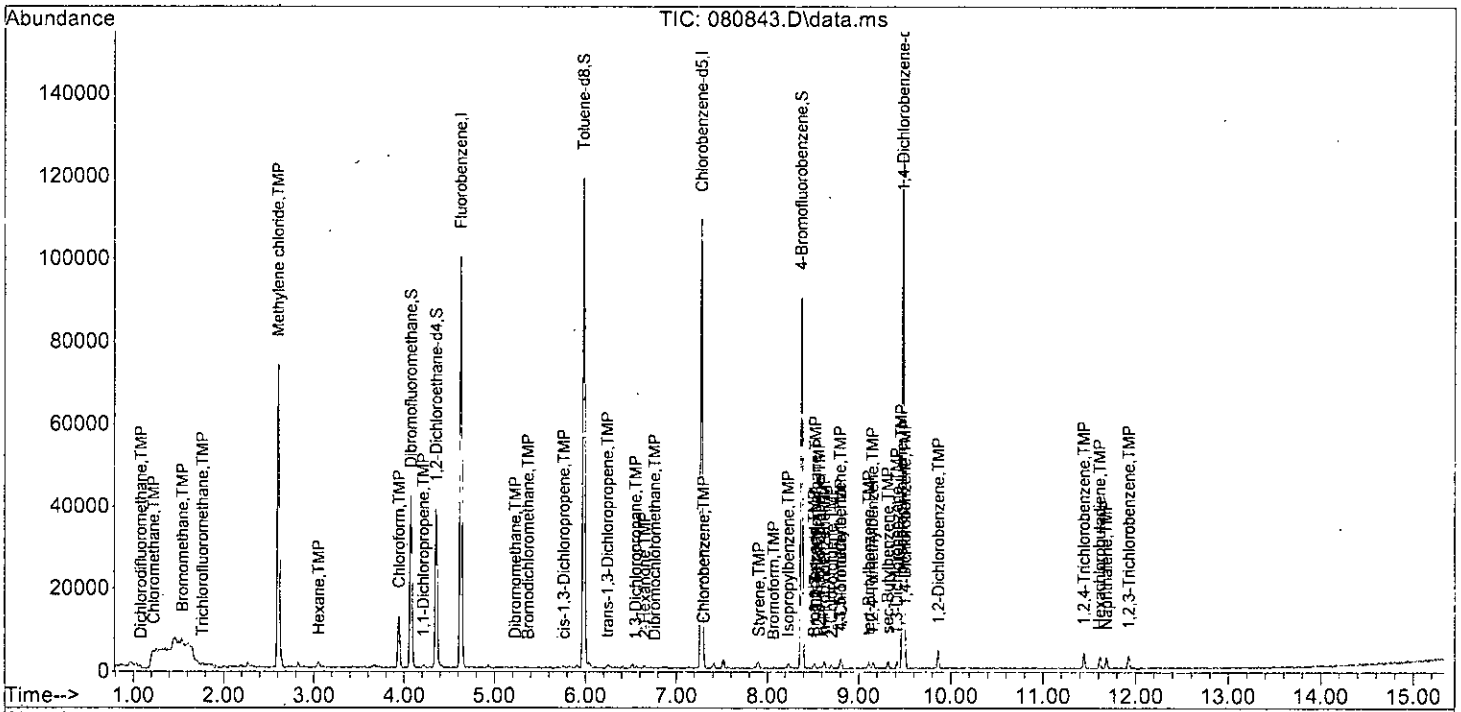
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	712	0.400	ppb	94
75) Naphthalene	11.69	128	1981	0.321	ppb	96
76) 1,2,3-Trichlorobenzene	11.93	180	1011	0.350	ppb	90

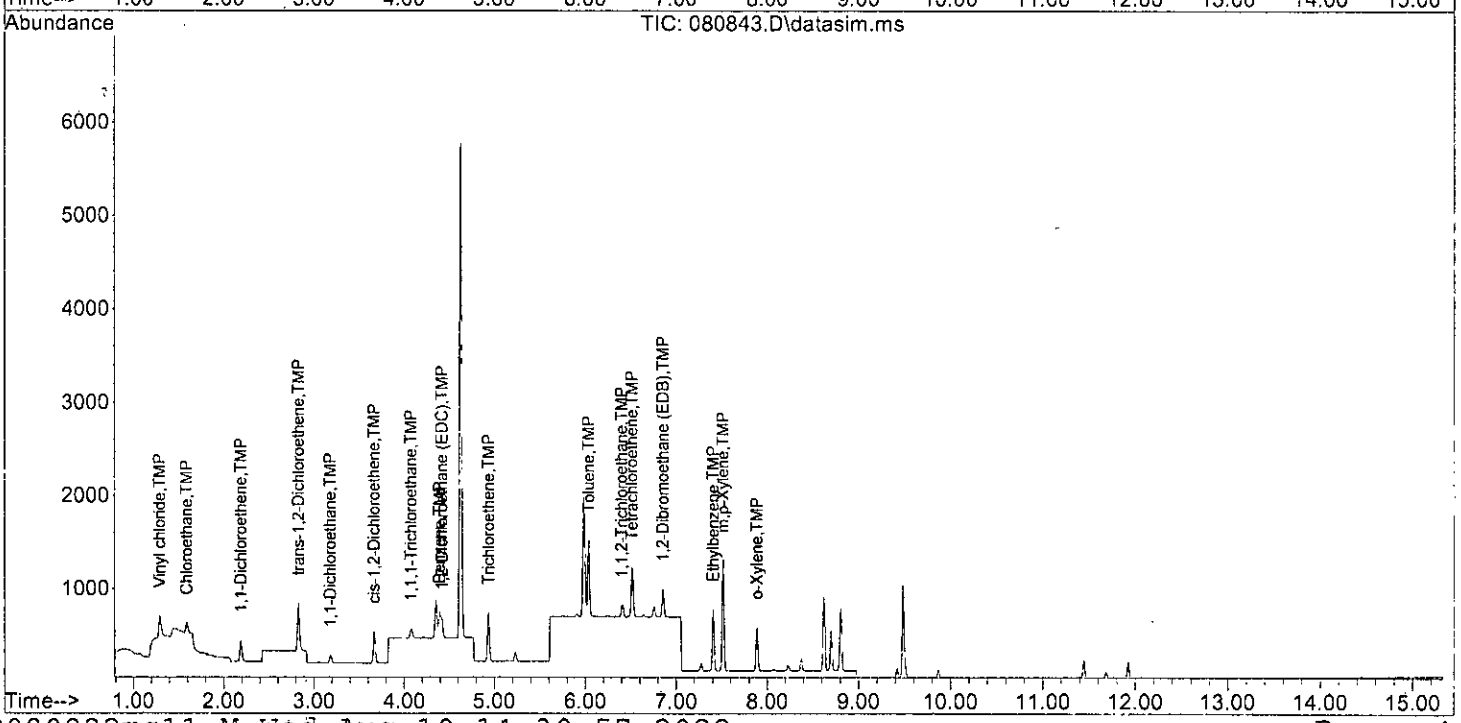
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080843.D
Acq On : 09 Aug 2022 12:34 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080844.D
Acq On : 09 Aug 2022 12:56 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:57 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	527	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	538	10.000	ppb	#	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	482	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	67	4.643	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	46.40%#			
30) 1,2-Dichloroethane-d4	0.00	102	0	0.000	ppb		
Spiked Amount 10.000	Range 78 - 126		Recovery =	0.00%#			
35) Toluene-d8	5.98	98	505	9.964	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery =	99.60%			
57) 4-Bromofluorobenzene	8.38	95	314	7.884	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery =	78.80%			
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.23	50	293	6.420	ppb	#	1
6] Vinyl chloride	1.29	62	672	15.964	ppb		77
7) Bromomethane	1.52	94	432	17.322	ppb	#	36
8] Chloroethane	1.59	64	340	15.968	ppb	#	1
9) Trichlorofluoromethane	1.77	101	247	4.895	ppb		67
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.27	58	97	75.134	ppb	#	1
12] 1,1-Dichloroethene	2.19	96	73	5.080	ppb		92
13) Hexane	3.05	57	345	15.766	ppb		67
14) Methylene chloride	2.61	84	24435	Below Cal			98
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.83	96	148	9.736	ppb		96
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19] 1,1-Dichloroethane	3.18	63	53	1.857	ppb		99
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22] cis-1,2-Dichloroethene	3.67	96	106	6.548	ppb		96
23) Chloroform	3.95	83	7956	307.506	ppb		100
24) 2-Butanone (MEK)	3.74	43	85	12.803	ppb		59
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.42	62	142	6.870	ppb		97
27) 1,1,1-Trichloroethane	0.00		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080844.D
Acq On : 09 Aug 2022 12:56 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:57 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	4.22	75	157	8.009	ppb	#	39
29)	Carbon tetrachloride	0.00		0	N.D.			
31]	Benzene	4.39	78	215	3.829	ppb		93
32]	Trichloroethene	4.93	95	125	7.762	ppb		80
33)	1,2-Dichloropropane	0.00		0	N.D.			
34)	Bromodichloromethane	5.37	83	109	5.927	ppb	#	26
36)	Dibromomethane	5.24	93	57	6.510	ppb		91
37)	4-Methyl-2-pentanone	0.00		0	N.D.			
38)	cis-1,3-Dichloropropene	5.76	75	143	6.893	ppb		85
40]	Toluene	6.04	92	195	4.195	ppb		93
41)	trans-1,3-Dichloropropene	6.25	75	169	6.799	ppb	#	38
42)	1,1,2-Trichloroethane	0.00		0	N.D.			
43)	2-Hexanone	6.65	43	218	16.966	ppb	#	38
44)	1,3-Dichloropropane	0.00		0	N.D.			
45]	Tetrachloroethene	6.51	164	122	6.486	ppb		98
46)	Dibromochloromethane	0.00		0	N.D.			
47]	1,2-Dibromoethane (EDB)	6.85	107	135	7.993	ppb		97
48)	Chlorobenzene	7.30	112	188	3.578	ppb	#	49
49]	Ethylbenzene	7.41	91	365	4.232	ppb		88
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51]	m,p-Xylene	7.52	106	300	8.970	ppb		94
52]	o-Xylene	7.88	106	107	3.221	ppb		98
53)	Styrene	7.90	104	296	5.560	ppb		69
54)	Isopropylbenzene	8.23	105	311	3.592	ppb		84
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	8.63	91	537	3.502	ppb		77
59)	Bromobenzene	8.52	156	130	3.410	ppb	#	54
60)	1,3,5-Trimethylbenzene	8.79	105	514	4.523	ppb		60
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62)	1,2,3-Trichloropropane	8.38	75	137	6.243	ppb	#	44
63)	2-Chlorotoluene	8.81	91	396	4.361	ppb		77
64)	4-Chlorotoluene	8.81	91	396	3.771	ppb		79
65)	tert-Butylbenzene	9.10	119	259	2.551	ppb		75
66)	1,2,4-Trimethylbenzene	9.16	105	447	3.822	ppb		64
67)	sec-Butylbenzene	9.32	105	536	3.614	ppb		90
68)	p-Isopropyltoluene	9.46	119	440	3.432	ppb		74
69)	1,3-Dichlorobenzene	9.42	146	411	5.736	ppb		82
70)	1,4-Dichlorobenzene	9.51	146	456	6.528	ppb		93
71)	1,2-Dichlorobenzene	9.86	146	280	3.997	ppb		86
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	11.44	180	513	9.667	ppb		96

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080844.D
Acq On : 09 Aug 2022 12:56 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:57 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

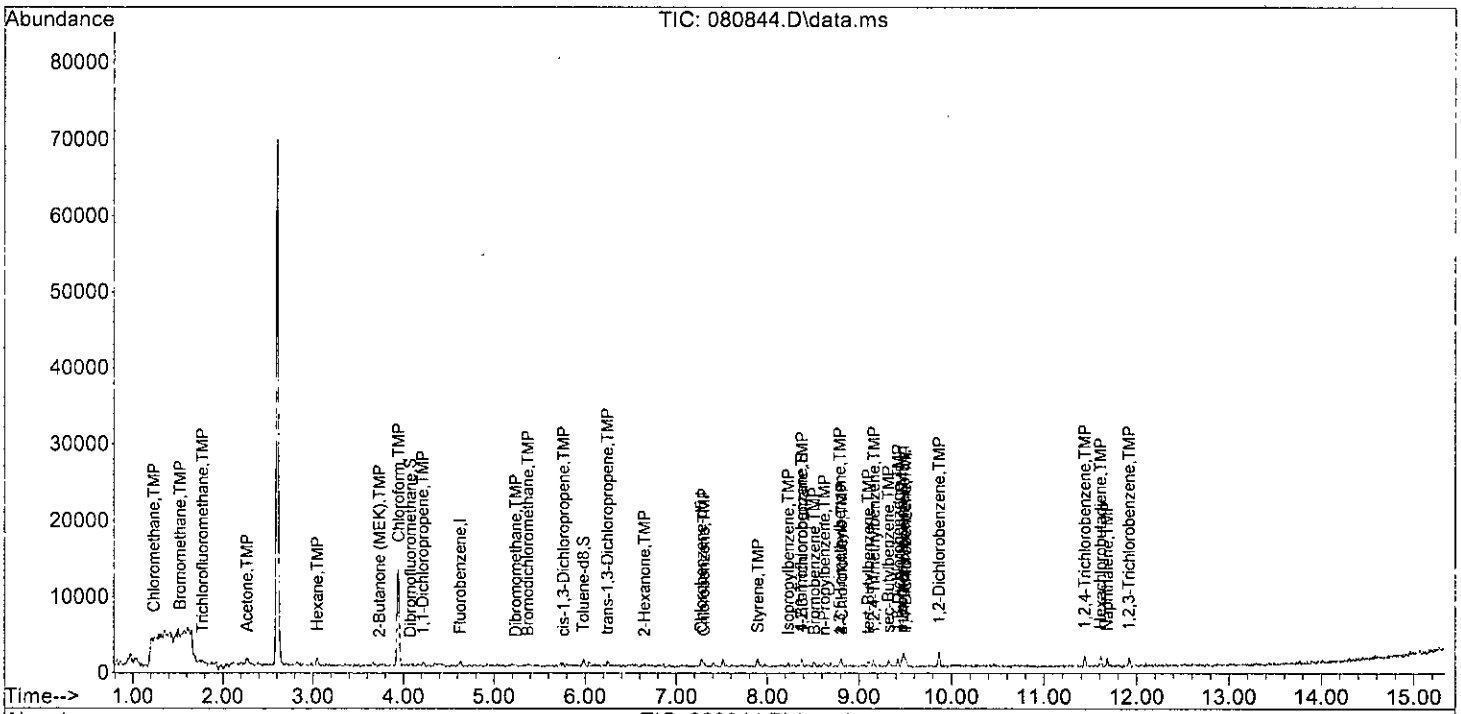
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	341	11.662	ppb	78
75) Naphthalene	11.68	128	796	7.835	ppb	93
76) 1,2,3-Trichlorobenzene	11.92	180	418	8.792	ppb	88

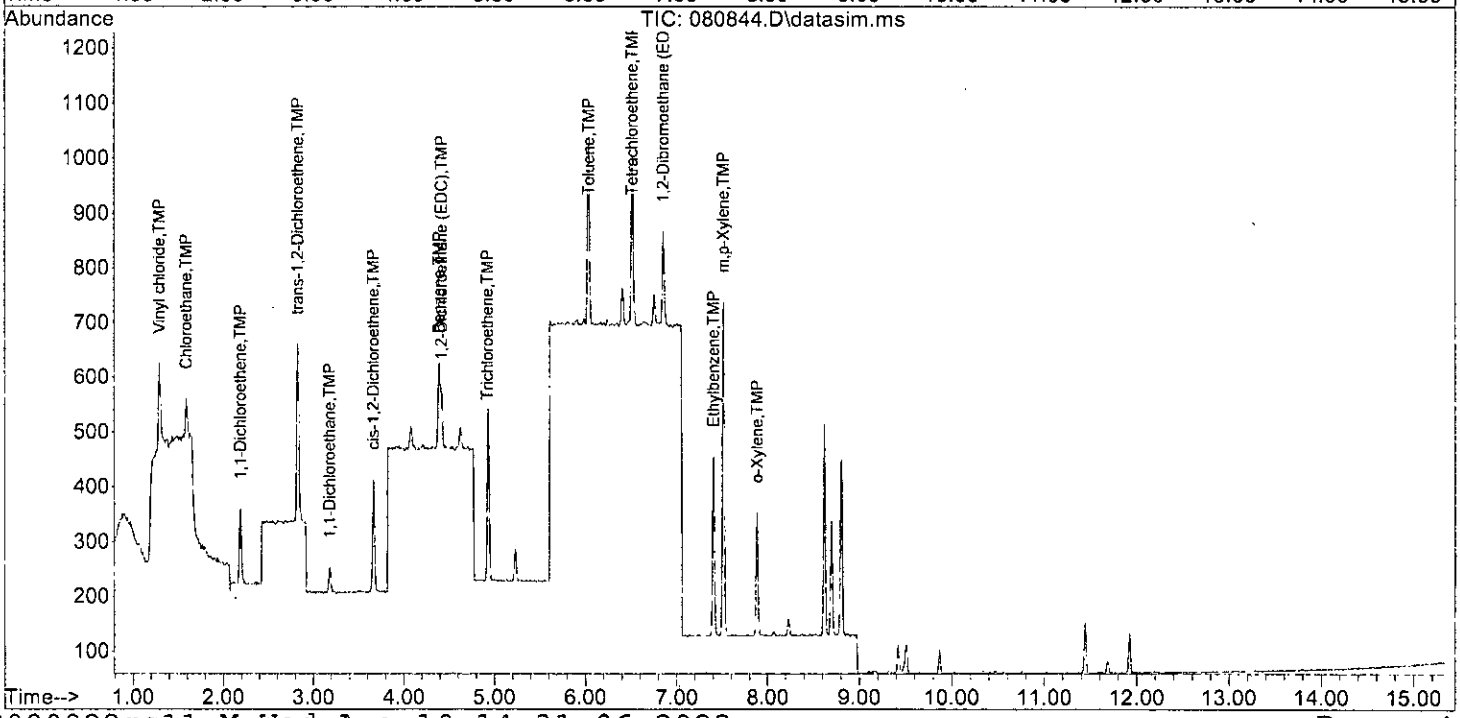
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080844.D
Acq On : 09 Aug 2022 12:56 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:57 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080845.D
Acq On : 09 Aug 2022 01:18 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:01 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	63969	10.000 ppb		0.02
39) Chlorobenzene-d5	7.28	117	48925	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	27429	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	18213	10.398 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.00%			
30) 1,2-Dichloroethane-d4	4.36	102	3763	9.922 ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 99.20%			
35) Toluene-d8	5.98	98	59263	9.633 ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 96.30%			
57) 4-Bromofluorobenzene	8.38	95	22990	10.144 ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.40%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	206	0.039 ppb		89
5) Chloromethane	1.21	50	297	0.054 ppb		93
6] Vinyl chloride	1.31	62	220	0.043 ppb		97
7) Bromomethane	1.52	94	487	0.161 ppb	#	44
8] Chloroethane	1.60	64	246	0.095 ppb	#	1
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.27	58	130	Below Cal	#	1
12] 1,1-Dichloroethene	2.20	96	55	0.032 ppb		88
13) Hexane	3.05	57	262	0.099 ppb		90
14) Methylene chloride	2.61	84	25501	8.597 ppb		90
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17] trans-1,2-Dichloroethene	2.84	96	122	0.053 ppb		95
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.70	77	55	Below Cal		48
22] cis-1,2-Dichloroethene	3.68	96	87	0.035 ppb		94
23) Chloroform	3.95	83	7583	2.415 ppb		100
24) 2-Butanone (MEK)	3.71	43	109	Below Cal		59
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.42	62	165	0.041 ppb		97
27) 1,1,1-Trichloroethane	0.00		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080845.D
Acq On : 09 Aug 2022 01:18 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:01 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) 1,1-Dichloropropene	4.22	75	93	0.039	ppb	#	39
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.39	78	181	0.019	ppb		94
32] Trichloroethene	4.94	95	112	0.047	ppb		91
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	5.37	83	62	0.028	ppb	#	47
36) Dibromomethane	0.00		0	N.D.			
37) 4-Methyl-2-pentanone	0.00		0	N.D.			
38) cis-1,3-Dichloropropene	0.00		0	N.D.			
40) Toluene	6.04	92	315	N.D.			
41) trans-1,3-Dichloropropene	0.00		0	N.D.			
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	6.65	43	260	0.223	ppb	#	38
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.51	164	125	0.042	ppb		96
46) Dibromochloromethane	0.00		0	N.D.			
47] 1,2-Dibromoethane (EDB)	6.85	107	131	0.085	ppb		95
48) Chlorobenzene	7.31	112	402	0.084	ppb	#	66
49] Ethylbenzene	7.41	91	444	0.047	ppb		88
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.52	106	369	0.098	ppb		89
52] o-Xylene	7.88	106	131	0.033	ppb		94
53) Styrene	7.91	104	327	0.068	ppb		91
54) Isopropylbenzene	8.23	105	442	0.056	ppb		90
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	642	0.074	ppb		71
59) Bromobenzene	8.52	156	194	0.089	ppb		86
60) 1,3,5-Trimethylbenzene	8.80	105	466	0.072	ppb		76
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	8.38	75	10879	8.711	ppb	#	45
63) 2-Chlorotoluene	8.70	91	503	0.097	ppb		97
64) 4-Chlorotoluene	8.81	91	583	0.098	ppb		89
65) tert-Butylbenzene	9.11	119	275	0.048	ppb		80
66) 1,2,4-Trimethylbenzene	9.16	105	478	0.072	ppb		93
67) sec-Butylbenzene	9.32	105	643	0.076	ppb		99
68) p-Isopropyltoluene	9.47	119	617	0.085	ppb		95
69) 1,3-Dichlorobenzene	9.42	146	504	0.124	ppb		85
70) 1,4-Dichlorobenzene	9.51	146	595	0.150	ppb		90
71) 1,2-Dichlorobenzene	9.86	146	410	0.103	ppb		93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.44	180	711	0.235	ppb		98

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080845.D
Acq On : 09 Aug 2022 01:18 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:01 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

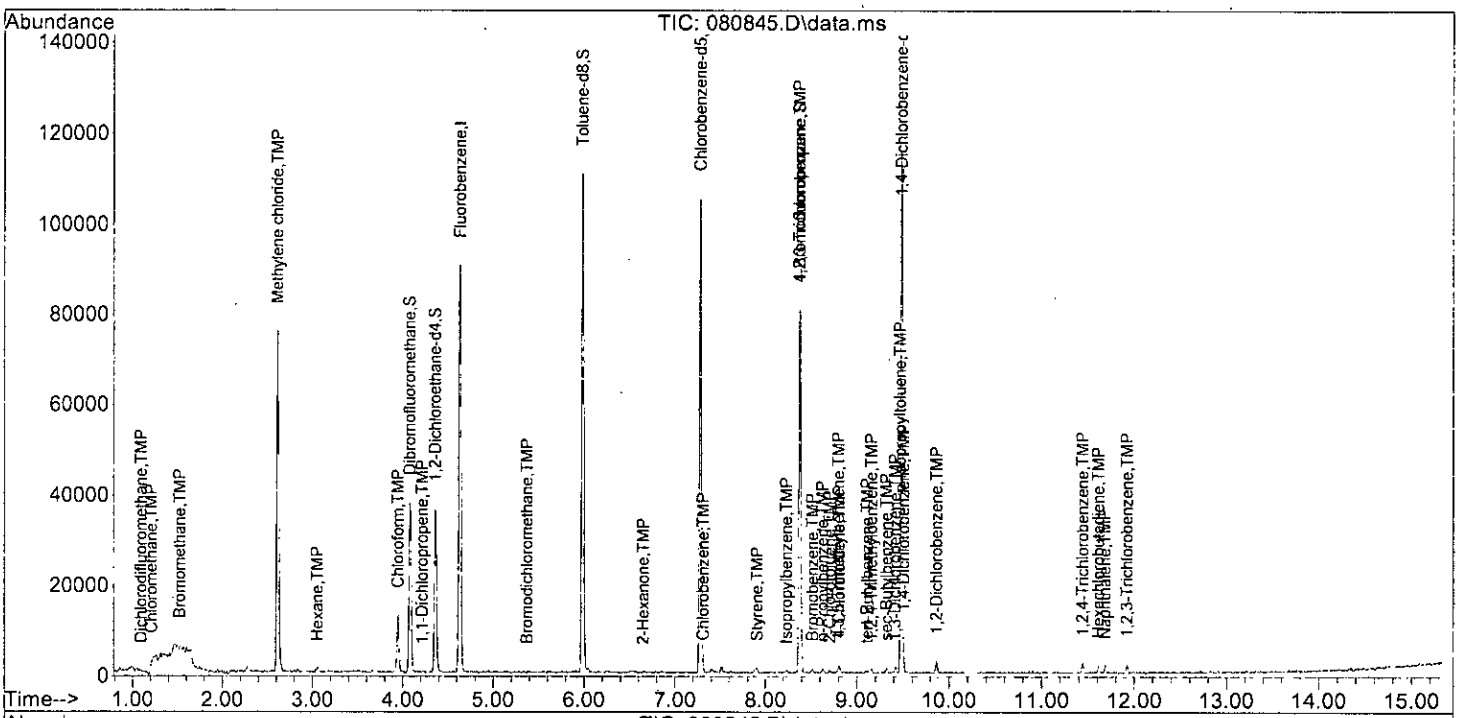
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	408	0.245	ppb	87
75) Naphthalene	11.68	128	1260	0.218	ppb	90
76) 1,2,3-Trichlorobenzene	11.92	180	602	0.223	ppb	84

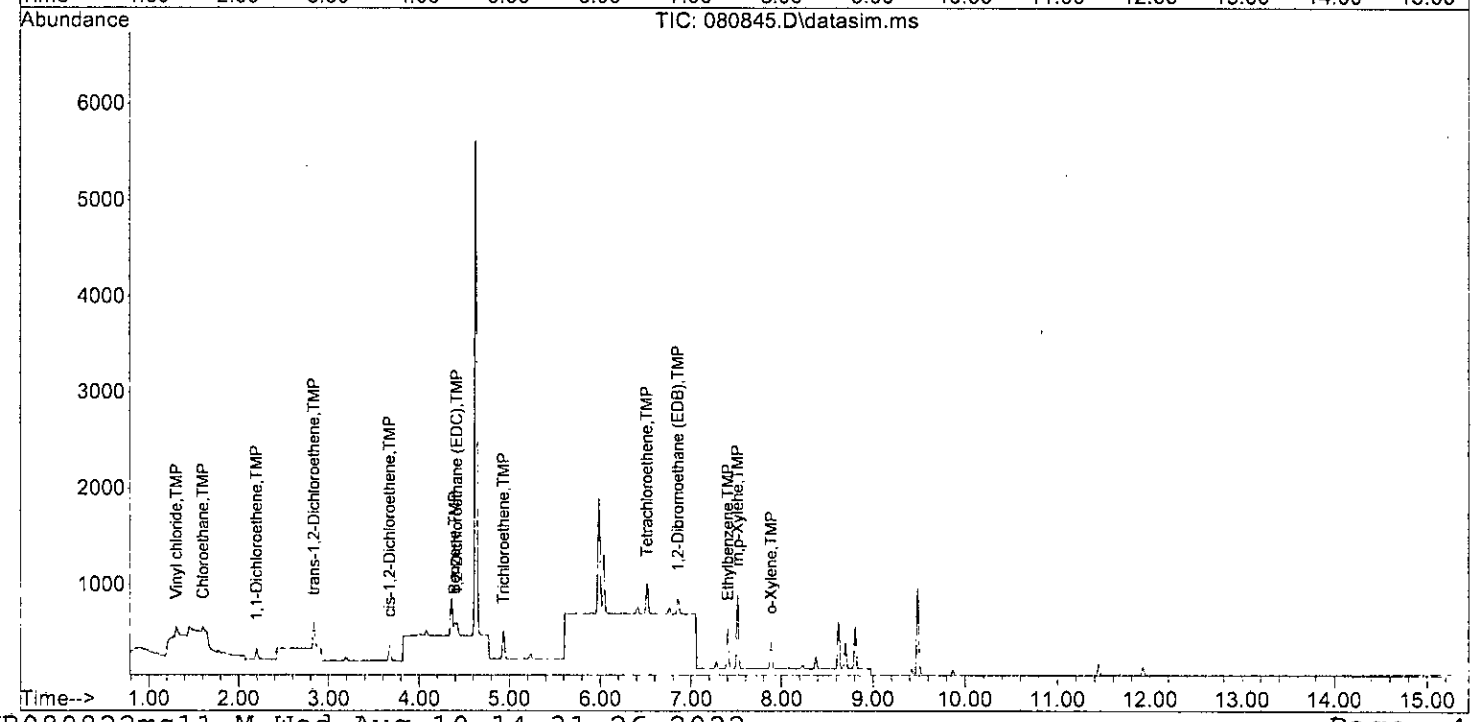
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080845.D
Acq On : 09 Aug 2022 01:18 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:01 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080846.D
Acq On : 09 Aug 2022 01:40 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:06 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	70866	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	49096	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	27620	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	18434	9.500	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 95.00%				
30) 1,2-Dichloroethane-d4	4.36	102	3738	8.896	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 89.00%				
35) Toluene-d8	5.98	98	60466	8.872	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 88.70%				
57) 4-Bromofluorobenzene	8.38	95	23882	10.465	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 104.60%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	126	0.022	ppb	#	41
5) Chloromethane	1.21	50	413	0.067	ppb		79
6] Vinyl chloride	1.29	62	202	0.036	ppb		91
7) Bromomethane	1.52	94	212	0.063	ppb	#	4
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.28	58	181	Below Cal		#	53
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.05	57	247	0.084	ppb		87
14) Methylene chloride	2.61	84	26287	7.682	ppb		92
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.83	96	92	0.032	ppb		94
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.65	77	79	Below Cal			48
22] cis-1,2-Dichloroethene	3.67	96	71	0.024	ppb		94
23) Chloroform	3.94	83	7498	2.155	ppb		94
24) 2-Butanone (MEK)	0.00		0	N.D.			
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.42	62	143	0.026	ppb		96
27) 1,1,1-Trichloroethane	0.00		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080846.D
Acq On : 09 Aug 2022 01:40 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:06 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) 1,1-Dichloropropene	4.22	75	91	0.035	ppb	#	1
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.39	78	141	0.011	ppb		93
32] Trichloroethene	4.93	95	86	0.029	ppb		84
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	5.37	83	82	0.033	ppb	#	26
36) Dibromomethane	5.23	93	87	0.074	ppb	#	36
37) 4-Methyl-2-pentanone	0.00		0	N.D.			
38) cis-1,3-Dichloropropene	5.75	75	95	0.034	ppb	#	1
40) Toluene	6.04	92	296	N.D.			
41) trans-1,3-Dichloropropene	6.26	75	163	0.072	ppb		71
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	6.64	43	125	0.107	ppb	#	38
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.51	164	103	0.029	ppb		95
46) Dibromochloromethane	0.00		0	N.D.			
47] 1,2-Dibromoethane (EDB)	6.85	107	98	0.064	ppb		98
48) Chlorobenzene	7.31	112	258	0.054	ppb	#	69
49] Ethylbenzene	7.41	91	334	0.032	ppb		87
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.52	106	284	0.069	ppb		91
52] o-Xylene	7.88	106	100	0.022	ppb		97
53) Styrene	7.91	104	254	0.052	ppb	#	48
54) Isopropylbenzene	8.23	105	325	0.041	ppb		95
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	621	0.071	ppb		74
59) Bromobenzene	8.51	156	142	0.065	ppb	#	81
60) 1,3,5-Trimethylbenzene	8.80	105	300	0.046	ppb		93
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	8.38	75	11104	8.830	ppb	#	45
63) 2-Chlorotoluene	8.70	91	330	0.063	ppb		82
64) 4-Chlorotoluene	8.81	91	453	0.075	ppb		98
65) tert-Butylbenzene	9.10	119	203	0.035	ppb		77
66) 1,2,4-Trimethylbenzene	9.15	105	463	0.069	ppb		81
67) sec-Butylbenzene	9.32	105	385	0.045	ppb		57
68) p-Isopropyltoluene	9.46	119	442	0.060	ppb		93
69) 1,3-Dichlorobenzene	9.42	146	415	0.101	ppb		77
70) 1,4-Dichlorobenzene	9.51	146	422	0.105	ppb		84
71) 1,2-Dichlorobenzene	9.87	146	323	0.080	ppb		86
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.44	180	484	0.159	ppb		99

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080846.D
Acq On : 09 Aug 2022 01:40 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:06 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

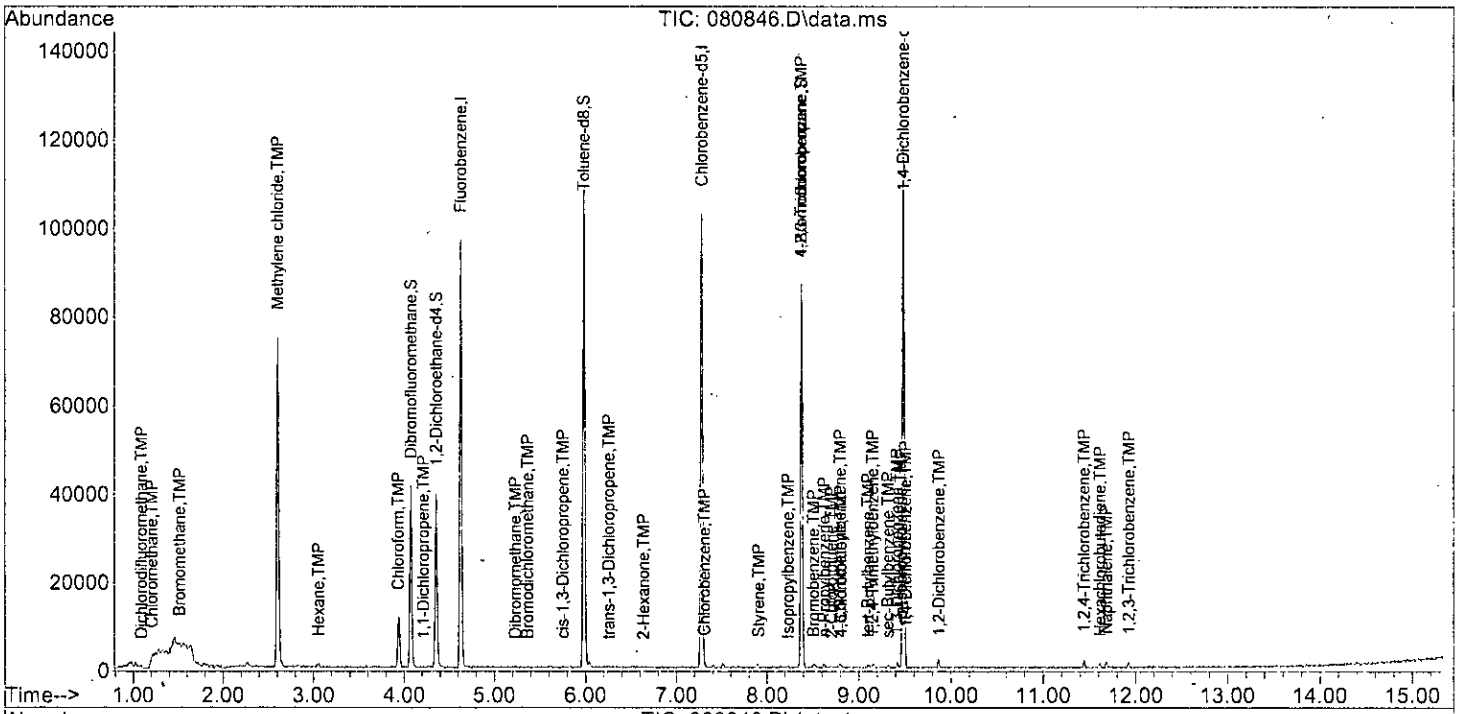
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.62	225	239	0.143	ppb	78
75) Naphthalene	11.69	128	860	0.148	ppb	87
76) 1,2,3-Trichlorobenzene	11.93	180	388	0.142	ppb	89

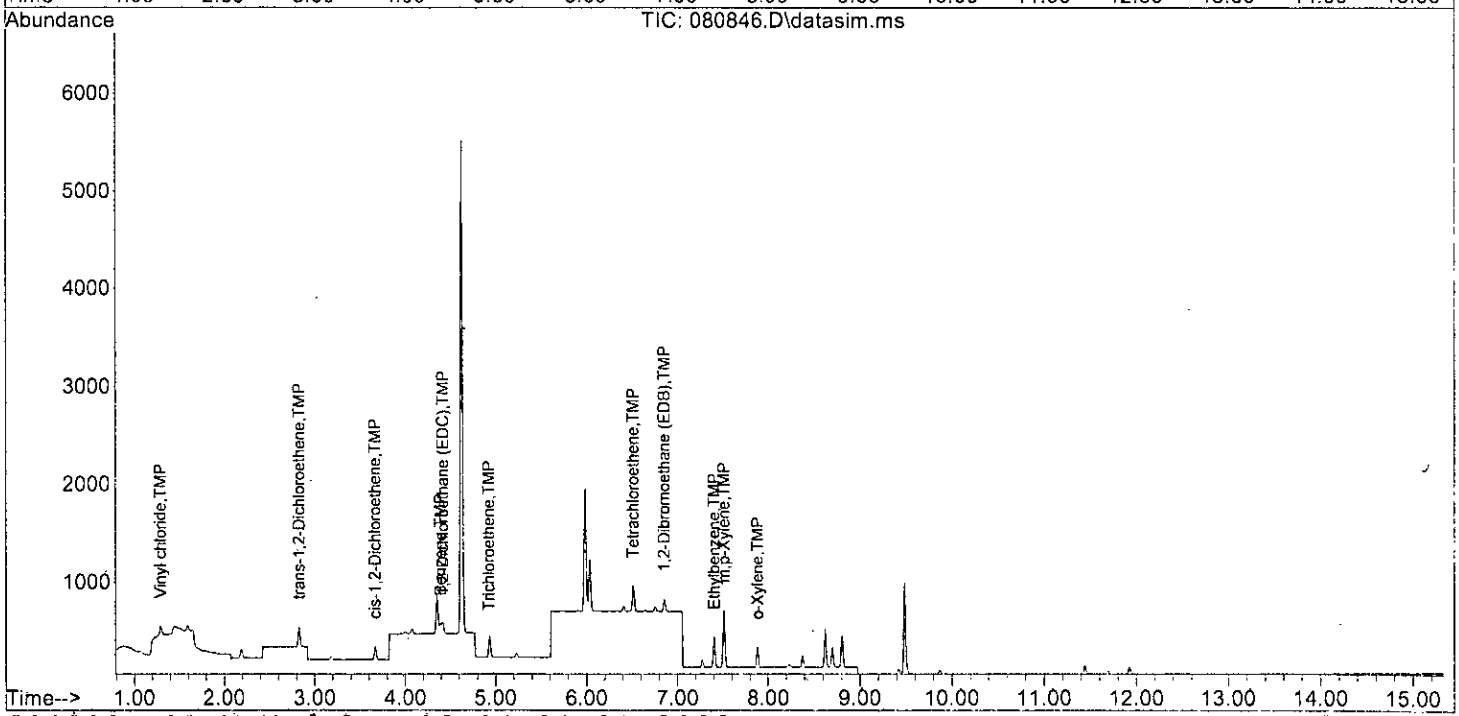
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080846.D
Acq On : 09 Aug 2022 01:40 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:06 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





EPA 8260D
CCV Summaries

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS11\08-19-22\
Data File : 081901.D
Acq On : 19 Aug 2022 08:50 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-54
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:12:07 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	66	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	11.018	-10.2	73	0.00
4	TMP	Dichlorodifluoromethane	10.000	10.249	-2.5	65	0.00
5	TMP	Chloromethane	10.000	10.903	-9.0	70	0.00
6	TMP	Vinyl chloride	10.000	11.537	-15.4	71	0.00
7	TMP	Bromomethane	10.000	14.187	-41.9#	93	0.00
8	TMP	Chloroethane	10.000	11.893	-18.9	73	0.00
9	TMP	Trichlorofluoromethane	10.000	11.570	-15.7	76	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	50.000	52.326	-4.7	69	0.00
12	TMP	1,1-Dichloroethene	10.000	11.426	-14.3	73	0.00
13	TMP	Hexane	10.000	10.312	-3.1	66	0.00
14	TMP	Methylene chloride	10.000	23.253	-132.5#	128	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	59.042	-18.1	74	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	11.131	-11.3	70	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	11.807	-18.1	73	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.323	-3.2	67	0.00
19	TMP	1,1-Dichloroethane	10.000	11.245	-12.4	72	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.576	-5.8	66	0.00
21	TMP	2,2-Dichloropropane	10.000	13.408	-34.1#	87	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	12.067	-20.7#	77	0.00
23	TMP	Chloroform	10.000	11.392	-13.9	72	0.00
24	TMP	2-Butanone (MEK)	50.000	47.111	5.8	61	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.761	-7.6	68	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.669	-6.7	67	0.00
27	TMP	1,1,1-Trichloroethane	10.000	11.823	-18.2	75	0.00
28	TMP	1,1-Dichloropropene	10.000	10.516	-5.2	67	0.00
29	TMP	Carbon tetrachloride	10.000	11.472	-14.7	74	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.605	-6.1	69	0.00
31	TMP	Benzene	10.000	10.549	-5.5	66	0.00
32	TMP	Trichloroethene	10.000	10.250	-2.5	64	0.00
33	TMP	1,2-Dichloropropane	10.000	9.912	0.9	65	0.00
34	TMP	Bromodichloromethane	10.000	10.172	-1.7	67	0.00
35	S	Toluene-d8	10.000	11.048	-10.5	73	-0.01
36	TMP	Dibromomethane	10.000	10.191	-1.9	67	0.00
37	TMP	4-Methyl-2-pentanone	50.000	52.972	-5.9	67	-0.01
38	TMP	cis-1,3-Dichloropropene	10.000	10.820	-8.2	68	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	80	0.00
40	TMP	Toluene	10.000	9.259	7.4	70	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	8.988	10.1	72	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.177	8.2	70	0.00
43	TMP	2-Hexanone	50.000	45.251	9.5	69	0.00
44	TMP	1,3-Dichloropropane	10.000	9.567	4.3	74	0.00
45	TMP	Tetrachloroethene	10.000	9.896	1.0	73	0.00
46	TMP	Dibromochloromethane	10.000	9.812	1.9	73	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.517	4.8	75	-0.01

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS11\08-19-22\
Data File : 081901.D
Acq On : 19 Aug 2022 08:50 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-54
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:12:07 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	10.000	9.585	4.1	74	0.00
49	TMP	Ethylbenzene	10.000	9.998	0.0	75	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.102	9.0	70	0.00
51	TMP	m,p-Xylene	20.000	20.056	-0.3	76	0.00
52	TMP	o-Xylene	10.000	9.968	0.3	76	0.00
53	TMP	Styrene	10.000	10.010	-0.1	77	0.00
54	TMP	Isopropylbenzene	10.000	9.415	5.9	73	0.00
55	TMP	Bromoform	10.000	9.273	7.3	73	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	84	0.00
57	S	4-Bromofluorobenzene	10.000	9.864	1.4	83	0.00
58	TMP	n-Propylbenzene	10.000	9.322	6.8	75	0.00
59	TMP	Bromobenzene	10.000	9.390	6.1	75	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	9.070	9.3	73	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.028	9.7	73	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.716	2.8	75	0.00
63	TMP	2-Chlorotoluene	10.000	9.366	6.3	76	0.00
64	TMP	4-Chlorotoluene	10.000	9.287	7.1	74	0.00
65	TMP	tert-Butylbenzene	10.000	8.712	12.9	70	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.182	8.2	75	0.00
67	TMP	sec-Butylbenzene	10.000	9.080	9.2	73	0.00
68	TMP	p-Isopropyltoluene	10.000	9.234	7.7	74	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.331	6.7	74	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.458	5.4	76	0.00
71	TMP	1,2-Dichlorobenzene	10.000	8.984	10.2	72	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	8.816	11.8	77	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	8.877	11.2	72	0.00
74	TMP	Hexachlorobutadiene	10.000	8.886	11.1	71	0.00
75	TMP	Naphthalene	10.000	8.555	14.5	71	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	8.756	12.4	72	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS11\08-19-22\
Data File : 081901.D
Acq On : 19 Aug 2022 08:50 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-54
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:12:07 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	66	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.302	-10.2	73	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.840	-2.4	65	0.00
5	TMP	Chloromethane	0.866	0.944	-9.0	70	0.00
6	TMP	Vinyl chloride	0.799	0.922	-15.4	71	0.00
7	TMP	Bromomethane	0.473	0.671	-41.9#	93	0.00
8	TMP	Chloroethane	0.404	0.481	-19.1	73	0.00
9	TMP	Trichlorofluoromethane	0.957	1.108	-15.8	76	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.026	-4.0	69	0.00
12	TMP	1,1-Dichloroethene	0.273	0.312	-14.3	73	0.00
13	TMP	Hexane	0.415	0.428	-3.1	66	0.00
14	TMP	Methylene chloride	0.362	0.836	-130.9#	128	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.036	-20.0	74	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.839	-11.4	70	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.341	-8.3	73	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.969	-3.3	67	0.00
19	TMP	1,1-Dichloroethane	0.541	0.609	-12.6	72	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.349	-5.8	66	0.00
21	TMP	2,2-Dichloropropane	0.319	0.399	-25.1#	87	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.370	-13.8	77	0.00
23	TMP	Chloroform	0.491	0.559	-13.8	72	0.00
24	TMP	2-Butanone (MEK)	0.131	0.116	11.5	61	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.780	-7.7	68	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.418	8.5	67	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.532	-18.2	75	0.00
28	TMP	1,1-Dichloropropene	0.372	0.391	-5.1	67	0.00
29	TMP	Carbon tetrachloride	0.390	0.448	-14.9	74	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.063	-6.8	69	0.00
31	TMP	Benzene	1.115	1.123	-0.7	66	0.00
32	TMP	Trichloroethene	0.327	0.313	4.3	64	0.00
33	TMP	1,2-Dichloropropane	0.287	0.285	0.7	65	0.00
34	TMP	Bromodichloromethane	0.349	0.355	-1.7	67	0.00
35	S	Toluene-d8	0.962	1.063	-10.5	73	-0.01
36	TMP	Dibromomethane	0.166	0.169	-1.8	67	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.043	-4.9	67	-0.01
38	TMP	cis-1,3-Dichloropropene	0.394	0.426	-8.1	68	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
40	TMP	Toluene	1.046	0.793	24.2#	70	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.415	10.2	72	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.230	8.0	70	0.00
43	TMP	2-Hexanone	0.239	0.216	9.6	69	0.00
44	TMP	1,3-Dichloropropane	0.444	0.425	4.3	74	0.00
45	TMP	Tetrachloroethene	0.421	0.345	18.1	73	0.00
46	TMP	Dibromochloromethane	0.337	0.330	2.1	73	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.299	4.8	75	-0.01

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS11\08-19-22\
Data File : 081901.D
Acq On : 19 Aug 2022 08:50 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-54
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:12:07 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.977	0.936	4.2	74	0.00
49	TMP	Ethylbenzene	1.708	1.601	6.3	75	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.320	9.1	70	0.00
51	TMP	m,p-Xylene	0.670	0.622	7.2	76	0.00
52	TMP	o-Xylene	0.661	0.614	7.1	76	0.00
53	TMP	Styrene	0.990	0.991	-0.1	77	0.00
54	TMP	Isopropylbenzene	1.609	1.515	5.8	73	0.00
55	TMP	Bromoform	0.228	0.212	7.0	73	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
57	S	4-Bromofluorobenzene	0.826	0.815	1.3	83	0.00
58	TMP	n-Propylbenzene	3.181	2.965	6.8	75	0.00
59	TMP	Bromobenzene	0.791	0.743	6.1	75	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.139	9.3	73	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.585	9.7	73	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.442#	2.9	75	0.00
63	TMP	2-Chlorotoluene	1.884	1.764	6.4	76	0.00
64	TMP	4-Chlorotoluene	2.179	2.023	7.2	74	0.00
65	TMP	tert-Butylbenzene	2.106	1.835	12.9	70	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.228	8.2	75	0.00
67	TMP	sec-Butylbenzene	3.077	2.794	9.2	73	0.00
68	TMP	p-Isopropyltoluene	2.660	2.456	7.7	74	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.387	6.7	74	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.371	5.4	76	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.306	10.2	72	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.103	11.2	77	0.00
73	TMP	1,2,4-Trichlorobenzene	1.101	0.977	11.3	72	0.00
74	TMP	Hexachlorobutadiene	0.607	0.539	11.2	71	0.00
75	TMP	Naphthalene	2.108	1.803	14.5	71	0.00
76	TMP	1,2,3-Trichlorobenzene	0.986	0.864	12.4	72	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : F:\Proc_GCMS11\08-19-22\
Data File : 081901.D
Acq On : 19 Aug 2022 08:50 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-54
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:12:07 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.62	96	47712	10.000 ppb	0.00
39) Chlorobenzene-d5	7.27	117	44805	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	27051	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	14394	11.018 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 110.20%		
30) 1,2-Dichloroethane-d4	4.35	102	3000	10.605 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 106.00%		
35) Toluene-d8	5.97	98	50696	11.048 ppb	-0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 110.50%		
57) 4-Bromofluorobenzene	8.37	95	22047	9.864 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 98.60%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	1.09	85	40086	10.249 ppb	95
5) Chloromethane	1.22	50	45050	10.903 ppb	98
6] Vinyl chloride	1.29	62	43968	11.537 ppb	98
7) Bromomethane	1.52	94	32032	14.187 ppb	97
8] Chloroethane	1.58	64	22926	11.893 ppb	96
9) Trichlorofluoromethane	1.76	101	52849	11.570 ppb	96
10) 2-Propanol	2.40	45	82	No Calib	
11) Acetone	2.26	58	6181	52.326 ppb	86
12] 1,1-Dichloroethene	2.18	96	14865	11.426 ppb	99
13) Hexane	3.04	57	20429	10.312 ppb	99
14) Methylene chloride	2.60	84	39891	23.253 ppb	93
15) t-Butyl alcohol (TBA)	2.73	59	8472	59.042 ppb	92
16] Methyl t-butyl ether (...	2.83	73	40010	11.131 ppb	99
17] trans-1,2-Dichloroethene	2.82	96	16246	11.807 ppb	97
18) Diisopropyl ether (DIPE)	3.24	45	46218	10.323 ppb	98
19] 1,1-Dichloroethane	3.18	63	29052	11.245 ppb	100
20) Ethyl t-butyl ether (E...	3.54	87	16630	10.576 ppb	92
21) 2,2-Dichloropropane	3.66	77	19053	13.408 ppb	97
22] cis-1,2-Dichloroethene	3.66	96	17673	12.067 ppb	100
23) Chloroform	3.93	83	26684	11.392 ppb	98
24) 2-Butanone (MEK)	3.70	43	27613	47.111 ppb	97
25) t-Amyl methyl ether (T...	4.49	73	37192	10.761 ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	19941	10.669 ppb	99
27] 1,1,1-Trichloroethane	4.07	97	25393	11.823 ppb	98
28) 1,1-Dichloropropene	4.21	75	18663	10.516 ppb	97
29) Carbon tetrachloride	4.21	117	21371	11.472 ppb	94
31] Benzene	4.39	78	53563	10.549 ppb	97
32] Trichloroethene	4.92	95	14939	10.250 ppb	88
33) 1,2-Dichloropropane	5.12	63	13588	9.912 ppb	97
34) Bromodichloromethane	5.37	83	16935	10.172 ppb	98
36) Dibromomethane	5.22	93	8078	10.191 ppb	97
37) 4-Methyl-2-pentanone	5.90	85	10300	52.972 ppb #	85
38) cis-1,3-Dichloropropene	5.75	75	20323	10.820 ppb	97
40] Toluene	6.03	92	35527	9.259 ppb	95
41) trans-1,3-Dichloropropene	6.25	75	18606	8.988 ppb	95

Quantitation Report (QT Reviewed)

Data Path : F:\Proc_GCMS11\08-19-22\
Data File : 081901.D
Acq On : 19 Aug 2022 08:50 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-54
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:12:07 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

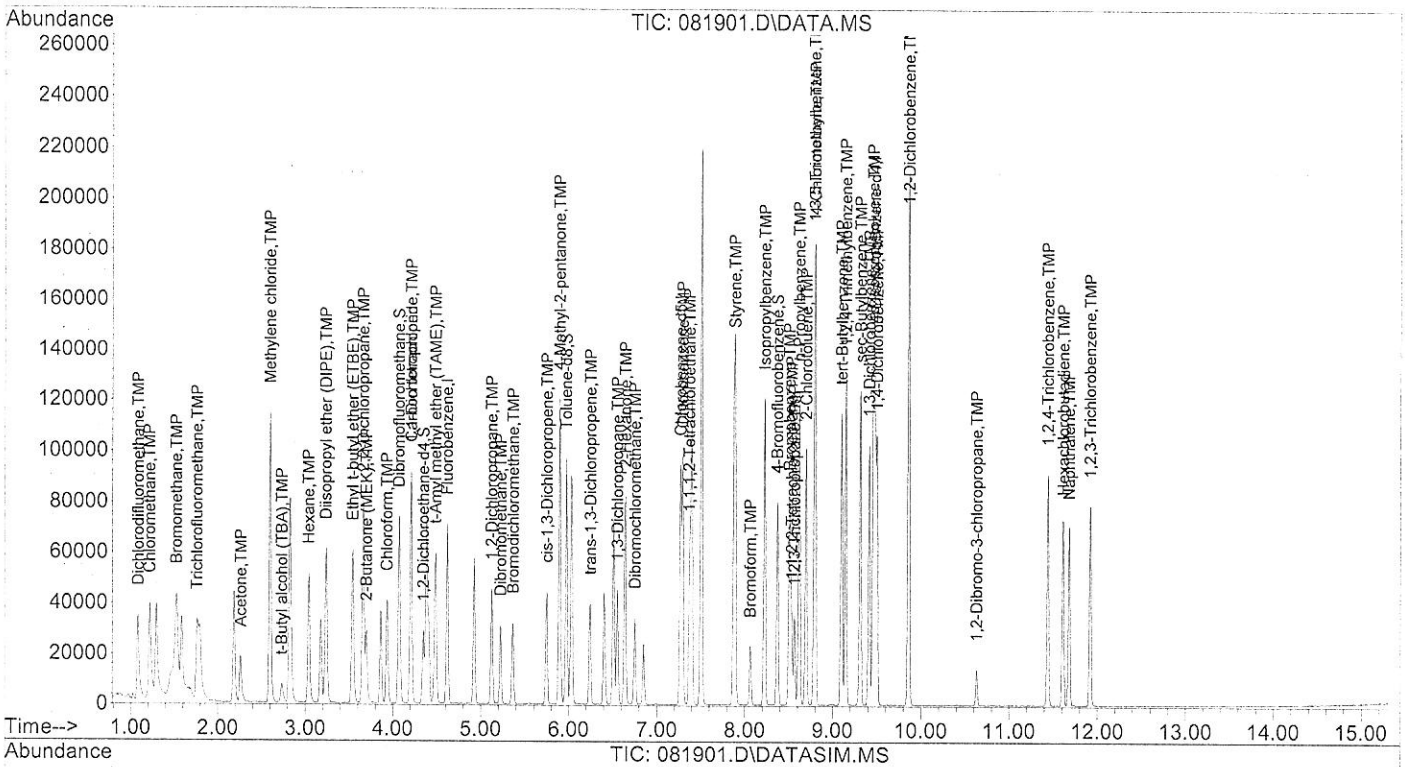
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	10290	9.177	ppb	83
43) 2-Hexanone	6.64	43	48422	45.251	ppb	98
44) 1,3-Dichloropropane	6.55	76	19039	9.567	ppb	100
45] Tetrachloroethene	6.51	164	15475	9.896	ppb	93
46) Dibromochloromethane	6.75	129	14798	9.812	ppb	100
47] 1,2-Dibromoethane (EDB)	6.84	107	13387	9.517	ppb	96
48) Chlorobenzene	7.30	112	41945	9.585	ppb	99
49] Ethylbenzene	7.40	91	71715	9.998	ppb	85
50) 1,1,1,2-Tetrachloroethane	7.37	131	14360	9.102	ppb	99
51] m,p-Xylene	7.51	106	55776	20.056	ppb	96
52] o-Xylene	7.88	106	27514	9.968	ppb	95
53) Styrene	7.89	104	44383	10.010	ppb	99
54) Isopropylbenzene	8.23	105	67882	9.415	ppb	95
55) Bromoform	8.06	173	9479	9.273	ppb	95
58) n-Propylbenzene	8.62	91	80215	9.322	ppb	96
59) Bromobenzene	8.51	156	20091	9.390	ppb	94
60) 1,3,5-Trimethylbenzene	8.79	105	57850	9.070	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.53	83	15828	9.028	ppb	96
62) 1,2,3-Trichloropropane	8.56	75	11967	9.716	ppb	98
63) 2-Chlorotoluene	8.70	91	47726	9.366	ppb	98
64) 4-Chlorotoluene	8.80	91	54734	9.287	ppb	100
65) tert-Butylbenzene	9.10	119	49641	8.712	ppb	96
66) 1,2,4-Trimethylbenzene	9.15	105	60269	9.182	ppb	95
67) sec-Butylbenzene	9.31	105	75568	9.080	ppb	96
68) p-Isopropyltoluene	9.46	119	66433	9.234	ppb	98
69) 1,3-Dichlorobenzene	9.41	146	37525	9.331	ppb	96
70) 1,4-Dichlorobenzene	9.50	146	37078	9.458	ppb	97
71) 1,2-Dichlorobenzene	9.86	146	35325	8.984	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.63	75	2778	8.816	ppb	83
73) 1,2,4-Trichlorobenzene	11.44	180	26439	8.877	ppb	99
74) Hexachlorobutadiene	11.61	225	14583	8.886	ppb	97
75) Naphthalene	11.68	128	48779	8.555	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	23363	8.756	ppb	99

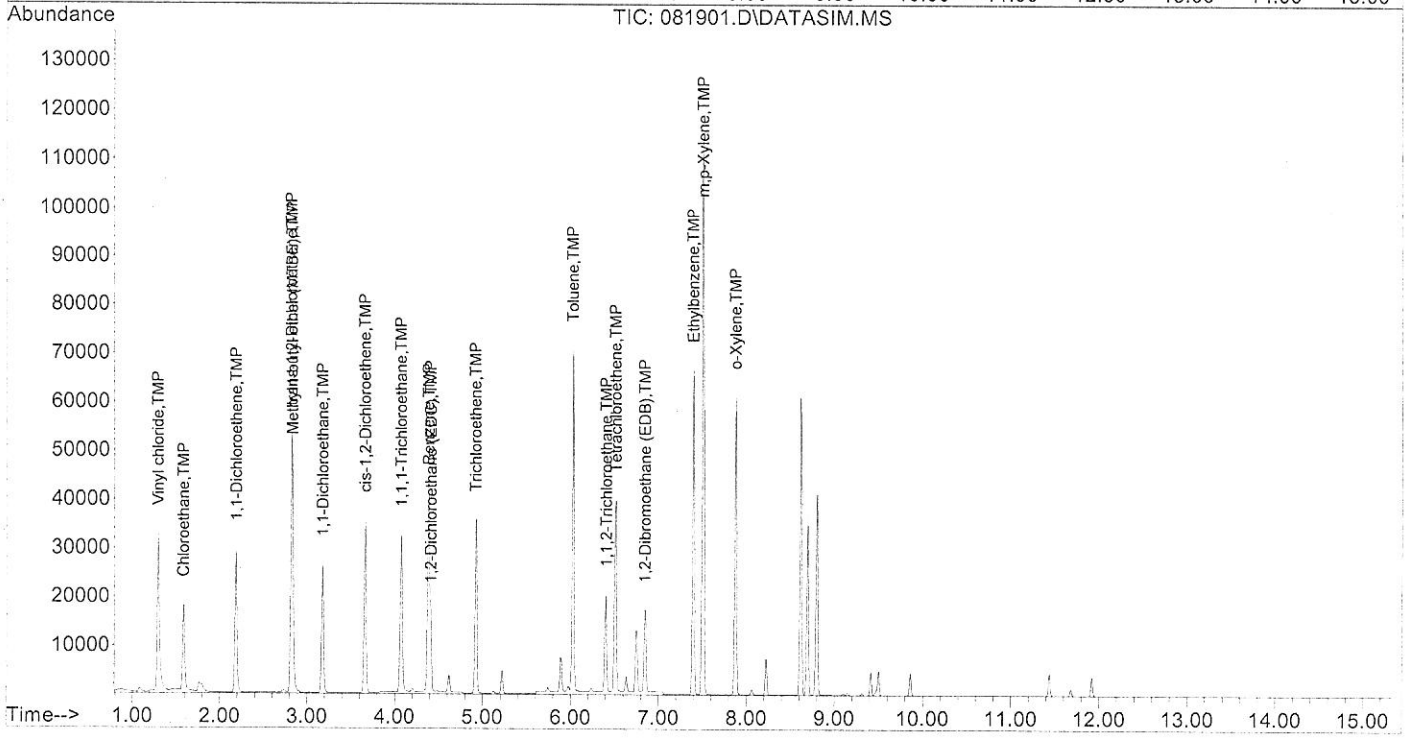
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\Proc_GCMS11\08-19-22\
Data File : 081901.D
Acq On : 19 Aug 2022 08:50 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-54
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:12:07 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081915.D
Acq On : 19 Aug 2022 04:37 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-54N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:19:20 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	70	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.258	-2.6	72	0.00
4	TMP	Dichlorodifluoromethane	10.000	9.043	9.6	62	0.00
5	TMP	Chloromethane	10.000	10.276	-2.8	71	0.00
6	TMP	Vinyl chloride	10.000	10.815	-8.1	71	0.00
7	TMP	Bromomethane	10.000	12.336	-23.4#	86	0.00
8	TMP	Chloroethane	10.000	11.108	-11.1	73	0.02
9	TMP	Trichlorofluoromethane	10.000	11.485	-14.8	81	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	50.000	44.010	12.0	62	0.00
12	TMP	1,1-Dichloroethene	10.000	10.786	-7.9	74	0.00
13	TMP	Hexane	10.000	11.960	-19.6	81	0.00
14	TMP	Methylene chloride	10.000	16.590	-65.9#	104	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	52.964	-5.9	71	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.501	-5.0	71	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	11.114	-11.1	73	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	9.881	1.2	68	0.00
19	TMP	1,1-Dichloroethane	10.000	10.591	-5.9	73	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.353	-3.5	69	0.00
21	TMP	2,2-Dichloropropane	10.000	11.853	-18.5	83	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	11.277	-12.8	77	0.00
23	TMP	Chloroform	10.000	10.664	-6.6	72	0.00
24	TMP	2-Butanone (MEK)	50.000	46.902	6.2	65	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.253	-2.5	69	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.586	-5.9	71	0.00
27	TMP	1,1,1-Trichloroethane	10.000	11.277	-12.8	76	0.00
28	TMP	1,1-Dichloropropene	10.000	10.554	-5.5	72	0.00
29	TMP	Carbon tetrachloride	10.000	11.321	-13.2	78	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.982	0.2	69	0.00
31	TMP	Benzene	10.000	10.518	-5.2	70	0.00
32	TMP	Trichloroethene	10.000	10.378	-3.8	69	0.00
33	TMP	1,2-Dichloropropane	10.000	9.835	1.6	69	0.00
34	TMP	Bromodichloromethane	10.000	10.423	-4.2	73	0.00
35	S	Toluene-d8	10.000	10.697	-7.0	75	-0.01
36	TMP	Dibromomethane	10.000	9.975	0.3	70	0.00
37	TMP	4-Methyl-2-pentanone	50.000	51.960	-3.9	70	-0.01
38	TMP	cis-1,3-Dichloropropene	10.000	10.637	-6.4	71	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	79	0.00
40	TMP	Toluene	10.000	10.036	-0.4	75	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.819	1.8	77	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.683	3.2	72	0.00
43	TMP	2-Hexanone	50.000	46.142	7.7	69	0.00
44	TMP	1,3-Dichloropropane	10.000	10.097	-1.0	77	0.00
45	TMP	Tetrachloroethene	10.000	10.642	-6.4	77	0.00
46	TMP	Dibromochloromethane	10.000	10.063	-0.6	73	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.737	2.6	75	-0.01

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081915.D
Acq On : 19 Aug 2022 04:37 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-54N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:19:20 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

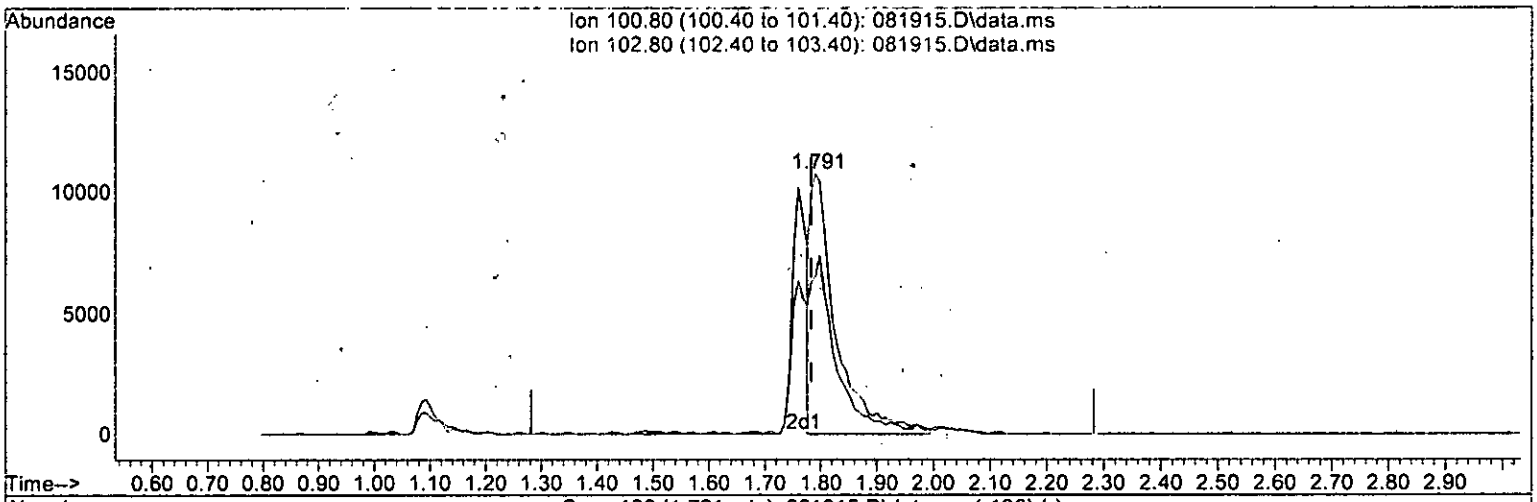
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	10.000	9.935	0.6	75	0.00
49	TMP	Ethylbenzene	10.000	10.312	-3.1	76	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.800	2.0	74	0.00
51	TMP	m,p-Xylene	20.000	20.749	-3.7	77	0.00
52	TMP	o-Xylene	10.000	10.275	-2.8	77	0.00
53	TMP	Styrene	10.000	10.249	-2.5	77	0.00
54	TMP	Isopropylbenzene	10.000	9.939	0.6	76	0.00
55	TMP	Bromoform	10.000	9.937	0.6	77	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	83	0.00
57	S	4-Bromofluorobenzene	10.000	9.513	4.9	79	0.00
58	TMP	n-Propylbenzene	10.000	9.679	3.2	77	0.00
59	TMP	Bromobenzene	10.000	9.543	4.6	76	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	9.444	5.6	76	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.018	9.8	72	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.368	6.3	72	0.00
63	TMP	2-Chlorotoluene	10.000	9.430	5.7	76	0.00
64	TMP	4-Chlorotoluene	10.000	9.667	3.3	76	0.00
65	TMP	tert-Butylbenzene	10.000	9.146	8.5	73	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.383	6.2	76	0.00
67	TMP	sec-Butylbenzene	10.000	9.490	5.1	76	0.00
68	TMP	p-Isopropyltoluene	10.000	9.632	3.7	77	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.606	3.9	75	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.672	3.3	77	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.352	6.5	75	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.116	8.8	79	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.200	8.0	74	0.00
74	TMP	Hexachlorobutadiene	10.000	9.703	3.0	77	0.00
75	TMP	Naphthalene	10.000	8.903	11.0	74	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.000	10.0	74	0.00

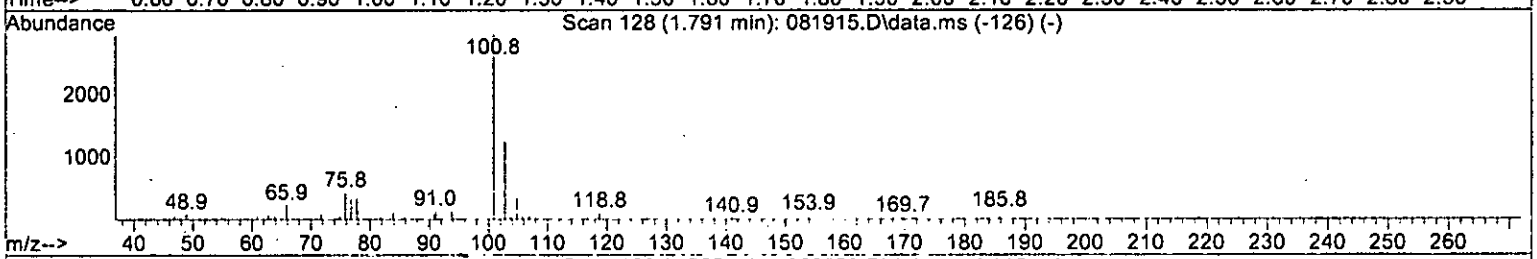
(#) = Out of Range SPCC's out = 0 CCC's out = 0

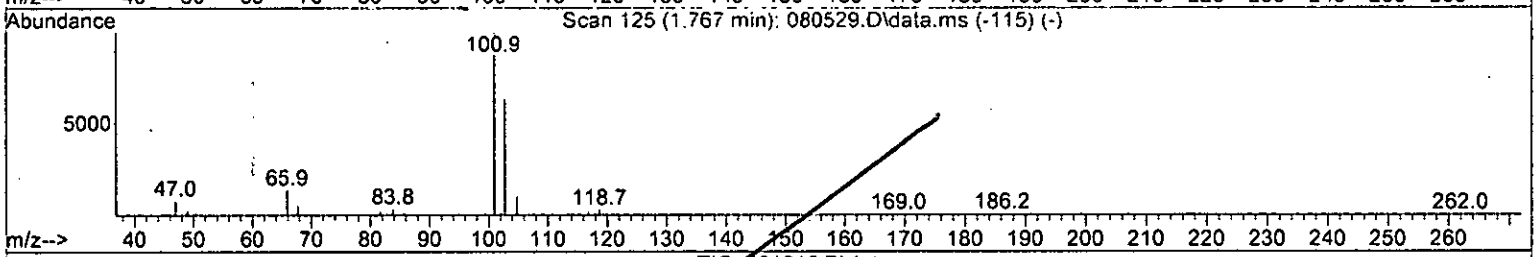
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081915.D
Acq On : 19 Aug 2022 04:37 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-54N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 16:57:57 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081915.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.791min (+ 0.008) 7.173 ppb

response 34962

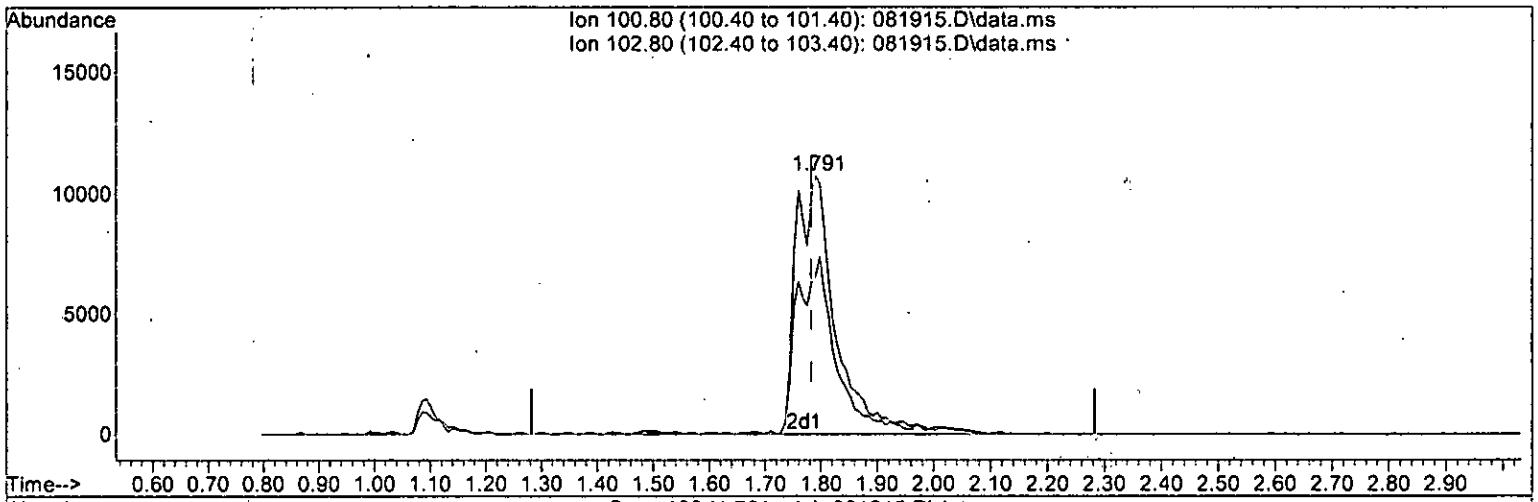
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	59.90
0.00	0.00	0.00
0.00	0.00	0.00

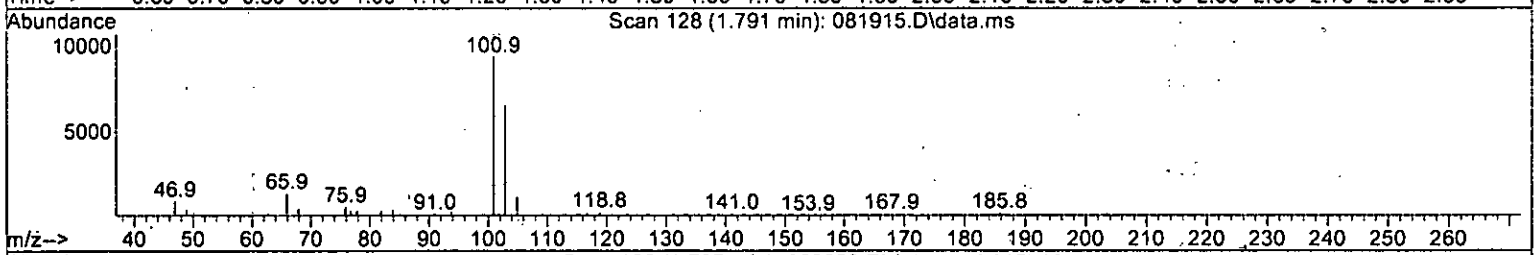
M 8.22.22

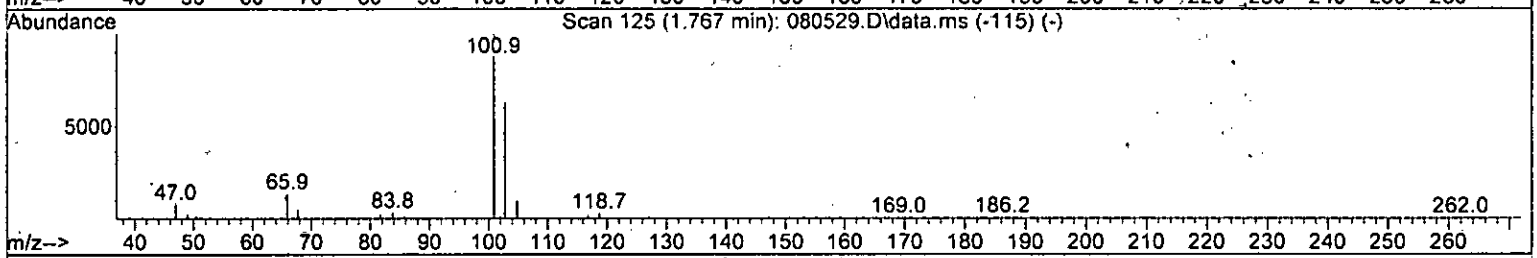
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081915.D
Acq On : 19 Aug 2022 04:37 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-54N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 16:57:57 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081915.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.791min (+ 0.008) 11.485 ppb m

response 55977

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	61.05
0.00	0.00	0.00
0.00	0.00	0.00

m 8.22.22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081915.D
Acq On : 19 Aug 2022 04:37 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-54N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:19:20 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	50908	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	43950	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	26867	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	14299	10.258	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.60%			
30) 1,2-Dichloroethane-d4	4.35	102	3013	9.982	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 99.80%			
35) Toluene-d8	5.97	98	52374	10.697	ppb	-0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 107.00%			
57) 4-Bromofluorobenzene	8.37	95	21119	9.513	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 95.10%			
Target Compounds						Qvalue
4) Dichlorodifluoromethane	1.09	85	37740	9.043	ppb	93
5) Chloromethane	1.23	50	45304	10.276	ppb	99
6] Vinyl chloride	1.30	62	43976	10.815	ppb	99
7) Bromomethane	1.53	94	29719	12.336	ppb	95
8] Chloroethane	1.60	64	22848	11.108	ppb	94
9) Trichlorofluoromethane	1.79	101	55977m	11.485	ppb	
11) Acetone	2.26	58	5579	44.010	ppb	87
12] 1,1-Dichloroethene	2.18	96	14972	10.786	ppb	100
13) Hexane	3.04	57	25281	11.960	ppb	97
14) Methylene chloride	2.60	84	32518	16.590	ppb	97
15) t-Butyl alcohol (TBA)	2.73	59	8109	52.964	ppb	90
16] Methyl t-butyl ether (...	2.83	73	40272	10.501	ppb	98
17] trans-1,2-Dichloroethene	2.82	96	16319	11.114	ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	47202	9.881	ppb	98
19] 1,1-Dichloroethane	3.17	63	29194	10.591	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	17371	10.353	ppb	96
21) 2,2-Dichloropropane	3.65	77	18010	11.853	ppb	93
22] cis-1,2-Dichloroethene	3.66	96	17624	11.277	ppb	97
23) Chloroform	3.93	83	26653	10.664	ppb	100
24) 2-Butanone (MEK)	3.70	43	29333	46.902	ppb	98
25) t-Amyl methyl ether (T...	4.49	73	37809	10.253	ppb	100
26] 1,2-Dichloroethane (EDC)	4.41	62	21111	10.586	ppb	99
27] 1,1,1-Trichloroethane	4.07	97	25843	11.277	ppb	97
28) 1,1-Dichloropropene	4.21	75	19984	10.554	ppb	97
29) Carbon tetrachloride	4.20	117	22502	11.321	ppb	99
31] Benzene	4.39	78	56985	10.518	ppb	97
32] Trichloroethene	4.92	95	16139	10.378	ppb	90
33) 1,2-Dichloropropane	5.12	63	14386	9.835	ppb	98
34) Bromodichloromethane	5.37	83	18515	10.423	ppb	94
36) Dibromomethane	5.22	93	8437	9.975	ppb	96
37) 4-Methyl-2-pentanone	5.90	85	10780	51.960	ppb	99
38) cis-1,3-Dichloropropene	5.75	75	21318	10.637	ppb	92
40] Toluene	6.03	92	37752	10.036	ppb	94
41) trans-1,3-Dichloropropene	6.25	75	19939	9.819	ppb	97
42] 1,1,2-Trichloroethane	6.40	83	10650	9.683	ppb	83
43) 2-Hexanone	6.64	43	48433	46.142	ppb	99

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081915.D
Acq On : 19 Aug 2022 04:37 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-54N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

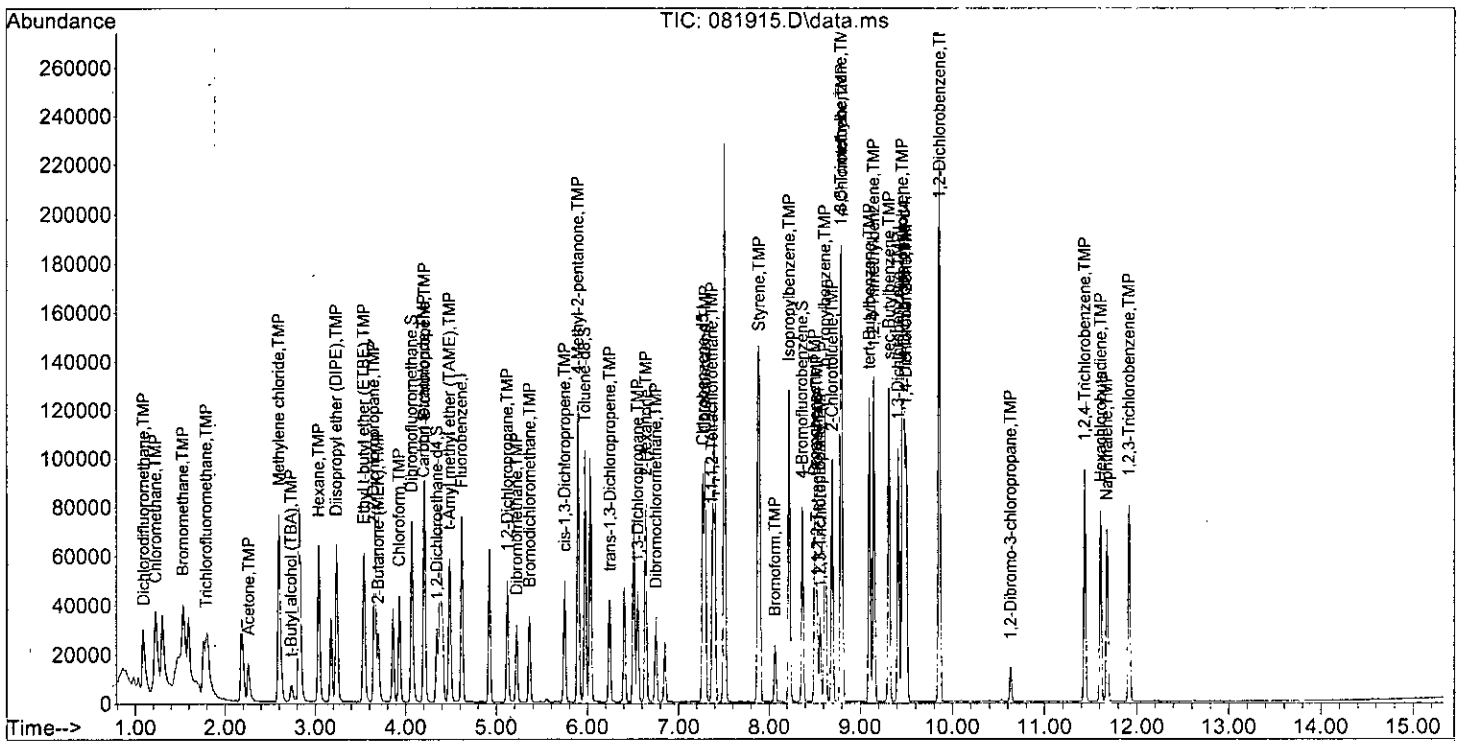
Quant Time: Aug 22 10:19:20 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

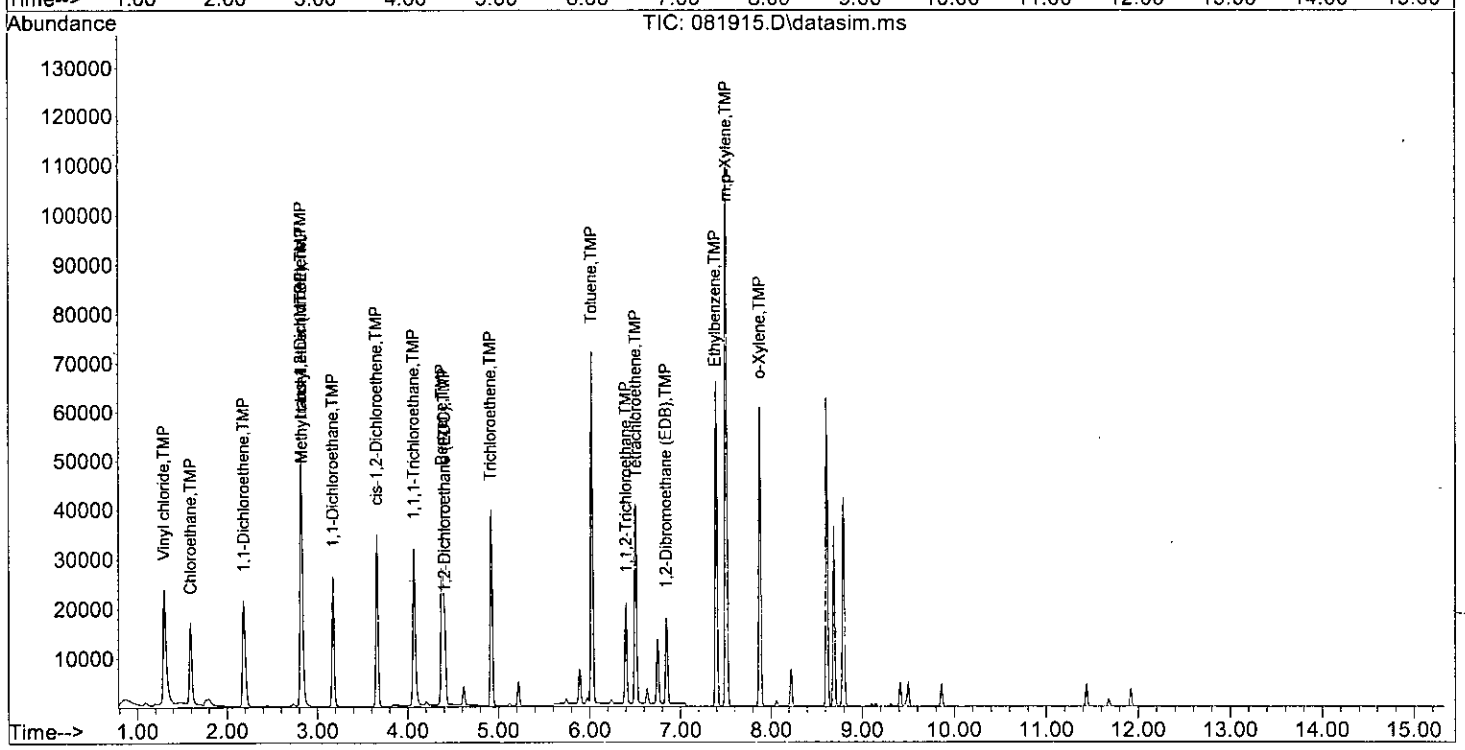
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	6.55	76	19710	10.097	ppb	98
45] Tetrachloroethene	6.51	164	16320	10.642	ppb	93
46) Dibromochloromethane	6.75	129	14887	10.063	ppb	96
47] 1,2-Dibromoethane (EDB)	6.84	107	13435	9.737	ppb	96
48) Chlorobenzene	7.30	112	42649	9.935	ppb	99
49] Ethylbenzene	7.39	91	72555	10.312	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.37	131	15167	9.800	ppb	98
51] m,p-Xylene	7.51	106	56602	20.749	ppb	99
52] o-Xylene	7.88	106	27819	10.275	ppb	97
53) Styrene	7.89	104	44575	10.249	ppb	100
54) Isopropylbenzene	8.23	105	70293	9.939	ppb	98
55) Bromoform	8.06	173	9964	9.937	ppb	96
58) n-Propylbenzene	8.62	91	82719	9.679	ppb	99
59) Bromobenzene	8.51	156	20280	9.543	ppb	97
60) 1,3,5-Trimethylbenzene	8.79	105	59828	9.444	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.53	83	15703	9.018	ppb	99
62) 1,2,3-Trichloropropane	8.56	75	11460	9.368	ppb	99
63) 2-Chlorotoluene	8.70	91	47725	9.430	ppb	98
64) 4-Chlorotoluene	8.80	91	56585	9.667	ppb	99
65) tert-Butylbenzene	9.10	119	51760	9.146	ppb	96
66) 1,2,4-Trimethylbenzene	9.15	105	61169	9.383	ppb	96
67) sec-Butylbenzene	9.31	105	78443	9.490	ppb	98
68) p-Isopropyltoluene	9.46	119	68822	9.632	ppb	100
69) 1,3-Dichlorobenzene	9.41	146	38368	9.606	ppb	97
70) 1,4-Dichlorobenzene	9.50	146	37660	9.672	ppb	98
71) 1,2-Dichlorobenzene	9.86	146	36523	9.352	ppb	100
72) 1,2-Dibromo-3-chloropr...	10.63	75	2853	9.116	ppb	95
73) 1,2,4-Trichlorobenzene	11.44	180	27215	9.200	ppb	97
74) Hexachlorobutadiene	11.61	225	15814	9.703	ppb	99
75) Naphthalene	11.68	128	50418	8.903	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	23851	9.000	ppb	99

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

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081915.D
Acq On : 19 Aug 2022 04:37 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-54N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:19:20 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082222.D
Acq On : 22 Aug 2022 01:03 pm
Operator : RF
Sample : 10 ppb 8260 CCV 67-54N
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 13:20:46 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	52	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.369	-3.7	53	0.00
4	TMP	Dichlorodifluoromethane	10.000	8.163	18.4	41	0.00
5	TMP	Chloromethane	10.000	9.382	6.2	47	0.00
6	TMP	Vinyl chloride	10.000	10.111	-1.1	49	0.00
7	TMP	Bromomethane	10.000	11.297	-13.0	58	0.02
8	TMP	Chloroethane	10.000	10.046	-0.5	48	0.00
9	TMP	Trichlorofluoromethane	10.000	10.559	-5.6	54	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	50.000	41.773	16.5	43	0.02
12	TMP	1,1-Dichloroethene	10.000	10.670	-6.7	54	0.00
13	TMP	Hexane	10.000	10.143	-1.4	50	0.00
14	TMP	Methylene chloride	10.000	11.545	-15.4	58	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	55.974	-11.9	55	0.02
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.667	-6.7	53	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.939	-9.4	53	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.017	-0.2	51	0.00
19	TMP	1,1-Dichloroethane	10.000	10.550	-5.5	53	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.299	-3.0	50	0.00
21	TMP	2,2-Dichloropropane	10.000	10.916	-9.2	56	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	11.390	-13.9	57	0.00
23	TMP	Chloroform	10.000	10.653	-6.5	53	0.00
24	TMP	2-Butanone (MEK)	50.000	47.024	6.0	48	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.423	-4.2	51	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.722	-7.2	52	0.00
27	TMP	1,1,1-Trichloroethane	10.000	11.054	-10.5	55	0.00
28	TMP	1,1-Dichloropropene	10.000	10.629	-6.3	53	0.00
29	TMP	Carbon tetrachloride	10.000	10.944	-9.4	55	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.092	-0.9	51	0.00
31	TMP	Benzene	10.000	10.723	-7.2	53	0.00
32	TMP	Trichloroethene	10.000	10.409	-4.1	51	0.00
33	TMP	1,2-Dichloropropane	10.000	10.267	-2.7	52	0.00
34	TMP	Bromodichloromethane	10.000	10.493	-4.9	54	0.00
35	S	Toluene-d8	10.000	10.594	-5.9	54	0.00
36	TMP	Dibromomethane	10.000	10.351	-3.5	53	0.00
37	TMP	4-Methyl-2-pentanone	50.000	51.498	-3.0	51	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.651	-6.5	52	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	55	0.00
40	TMP	Toluene	10.000	10.355	-3.6	54	0.01
41	TMP	trans-1,3-Dichloropropene	10.000	9.606	3.9	53	0.00
42	TMP	1,1,2-Trichloroethane	10.000	10.164	-1.6	53	0.00
43	TMP	2-Hexanone	50.000	48.064	3.9	51	0.00
44	TMP	1,3-Dichloropropane	10.000	10.404	-4.0	56	0.01
45	TMP	Tetrachloroethene	10.000	10.495	-4.9	53	0.00
46	TMP	Dibromochloromethane	10.000	10.274	-2.7	53	0.01
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.013	-0.1	54	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082222.D
Acq On : 22 Aug 2022 01:03 pm
Operator : RF
Sample : 10 ppb 8260 CCV 67-54N
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 13:20:46 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

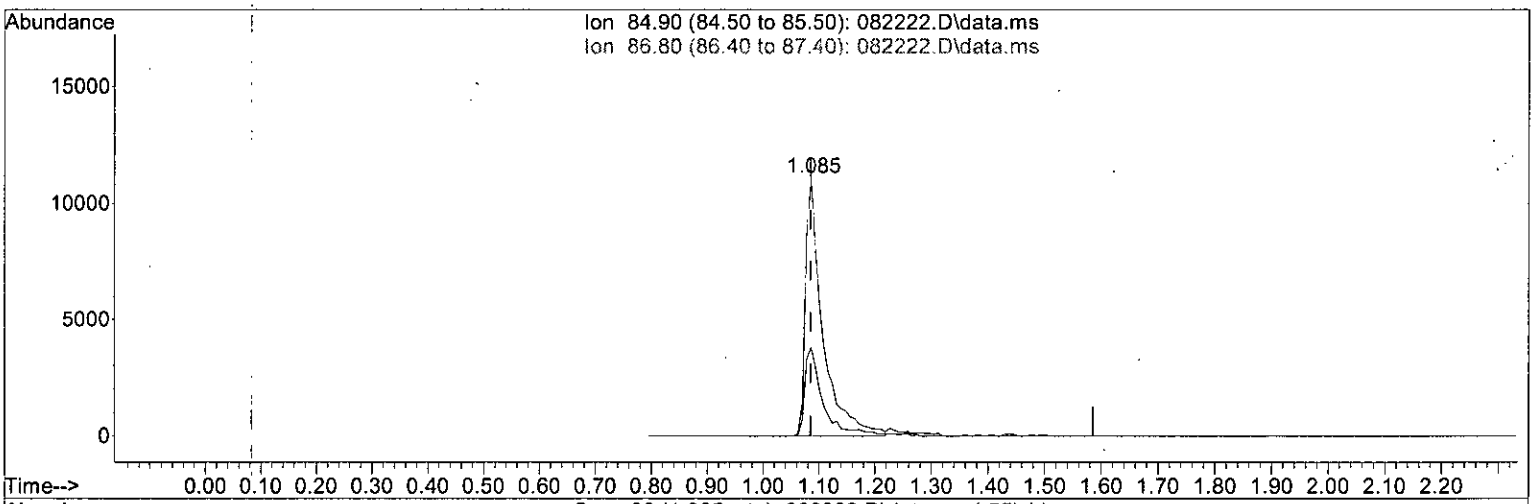
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	10.000	10.138	-1.4	54	0.00
49	TMP	Ethylbenzene	10.000	10.497	-5.0	54	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.349	-3.5	55	0.00
51	TMP	m,p-Xylene	20.000	21.149	-5.7	55	0.00
52	TMP	o-Xylene	10.000	10.637	-6.4	56	0.00
53	TMP	Styrene	10.000	10.455	-4.6	55	0.00
54	TMP	Isopropylbenzene	10.000	10.235	-2.3	55	0.00
55	TMP	Bromoform	10.000	9.754	2.5	53	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	55	0.00
57	S	4-Bromofluorobenzene	10.000	9.898	1.0	55	0.00
58	TMP	n-Propylbenzene	10.000	10.091	-0.9	54	0.00
59	TMP	Bromobenzene	10.000	10.163	-1.6	54	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.032	-0.3	53	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.003	-0.0	53	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.343	-3.4	53	0.00
63	TMP	2-Chlorotoluene	10.000	10.192	-1.9	54	0.00
64	TMP	4-Chlorotoluene	10.000	10.235	-2.3	54	0.00
65	TMP	tert-Butylbenzene	10.000	10.177	-1.8	54	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.075	-0.7	54	0.00
67	TMP	sec-Butylbenzene	10.000	10.124	-1.2	54	0.00
68	TMP	p-Isopropyltoluene	10.000	10.340	-3.4	55	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.932	0.7	52	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.421	-4.2	55	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.125	-1.3	54	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.559	-5.6	61	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.968	0.3	53	0.00
74	TMP	Hexachlorobutadiene	10.000	10.513	-5.1	55	0.00
75	TMP	Naphthalene	10.000	9.859	1.4	54	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.783	2.2	53	0.00

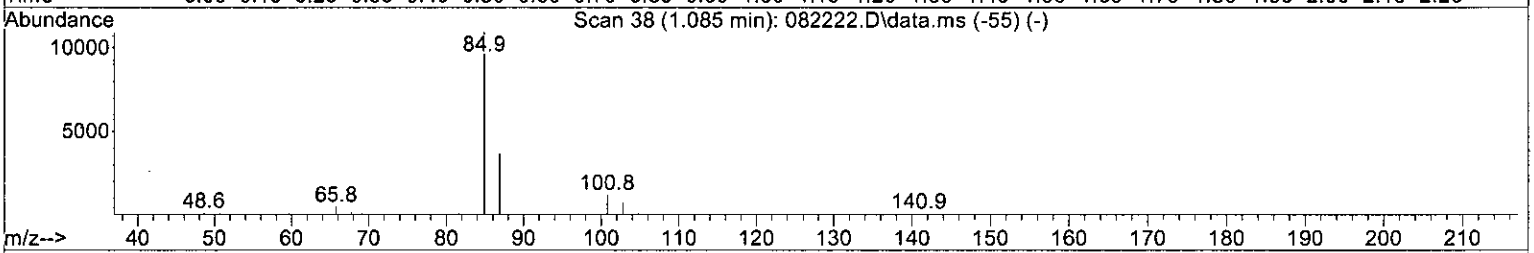
(#) = Out of Range SPCC's out = 0 CCC's out = 0

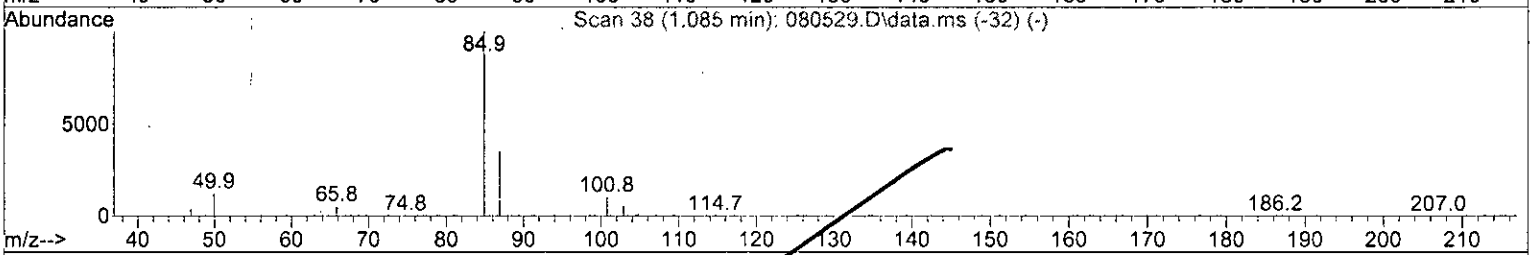
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082222.D
Acq On : 22 Aug 2022 01:03 pm
Operator : RF
Sample : 10 ppb 8260 CCV 67-54N
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 13:18:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082222.D\data.ms

m 8.22.22

(4) Dichlorodifluoromethane (TMP)

1.085min (+ 0.000) 7.882 ppb

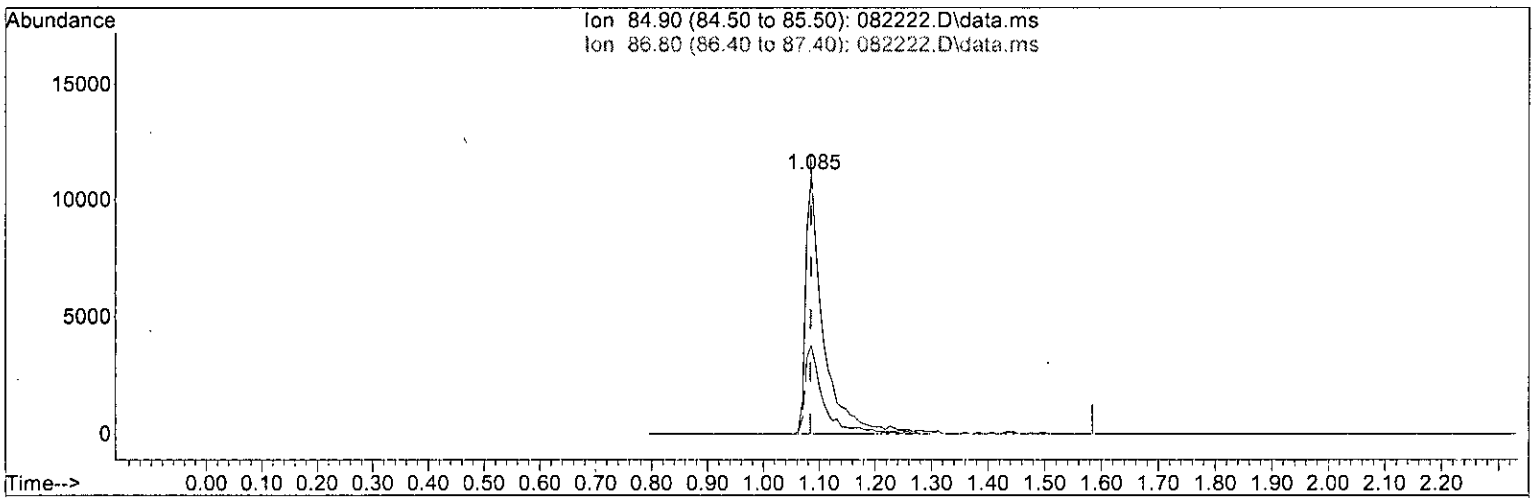
response 24083

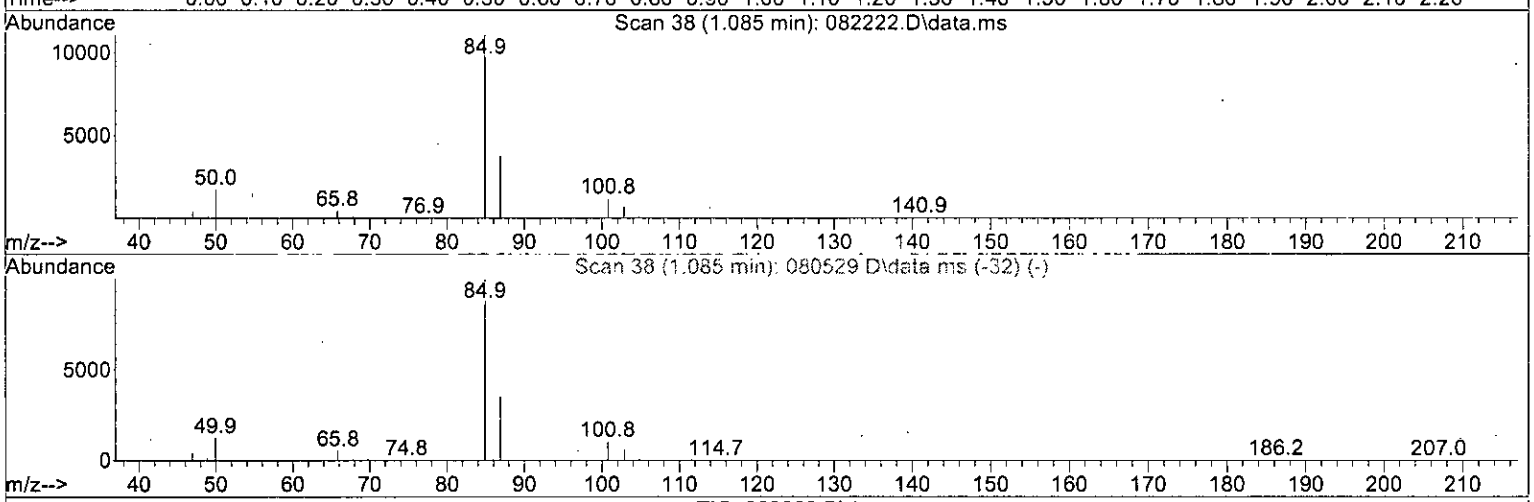
Ion	Exp%	Act%
84.90	100.00	100.00
86.80	33.50	34.06
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082222.D
Acq On : 22 Aug 2022 01:03 pm
Operator : RF
Sample : 10 ppb 8260 CCV 67-54N
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 13:18:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082222.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.085min (+ 0.000) 8.163 ppb m

response 24942

Ion	Exp%	Act%
84.90	100.00	100.00
86.80	33.50	34.06
0.00	0.00	0.00
0.00	0.00	0.00

M 8.22.22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082222.D
Acq On : 22 Aug 2022 01:03 pm
Operator : RF
Sample : 10 ppb 8260 CCV 67-54N
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 13:20:46 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	37270	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	30872	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	17861	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	10582	10.369	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.70%				
30) 1,2-Dichloroethane-d4	4.36	102	2230	10.092	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 100.90%				
35) Toluene-d8	5.98	98	37975	10.594	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 105.90%				
57) 4-Bromofluorobenzene	8.38	95	14608	9.898	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.00%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	24942m	8.163	ppb		
5) Chloromethane	1.22	50	30281	9.382	ppb		95
6) Vinyl chloride	1.29	62	30100	10.111	ppb		97
7) Bromomethane	1.54	94	19924	11.297	ppb		91
8) Chloroethane	1.59	64	15128	10.046	ppb		97
9) Trichlorofluoromethane	1.79	101	37677	10.559	ppb		90
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.27	58	3884	41.773	ppb	#	78
12) 1,1-Dichloroethene	2.19	96	10843	10.670	ppb		93
13) Hexane	3.05	57	15697	10.143	ppb		98
14) Methylene chloride	2.61	84	18175	11.545	ppb		89
15) t-Butyl alcohol (TBA)	2.74	59	6274	55.974	ppb		93
16) Methyl t-butyl ether (...	2.84	73	29951	10.667	ppb		98
17) trans-1,2-Dichloroethene	2.83	96	11759	10.939	ppb		97
18) Diisopropyl ether (DIPE)	3.24	45	35033	10.017	ppb		98
19) 1,1-Dichloroethane	3.18	63	21290	10.550	ppb		99
20) Ethyl t-butyl ether (E...	3.55	87	12651	10.299	ppb		88
21) 2,2-Dichloropropane	3.67	77	12161	10.916	ppb		100
22) cis-1,2-Dichloroethene	3.67	96	13032	11.390	ppb		99
23) Chloroform	3.95	83	19493	10.653	ppb		98
24) 2-Butanone (MEK)	3.71	43	21530	47.024	ppb		99
25) t-Amyl methyl ether (T...	4.50	73	28138	10.423	ppb		98
26) 1,2-Dichloroethane (EDC)	4.42	62	15654	10.722	ppb		99
27) 1,1,1-Trichloroethane	4.08	97	18546	11.054	ppb		98
28) 1,1-Dichloropropene	4.22	75	14734	10.629	ppb		97
29) Carbon tetrachloride	4.22	117	15925	10.944	ppb		93
31) Benzene	4.39	78	42530	10.723	ppb		98
32) Trichloroethene	4.94	95	11850	10.409	ppb		94
33) 1,2-Dichloropropane	5.13	63	10994	10.267	ppb		98
34) Bromodichloromethane	5.37	83	13646	10.493	ppb		99
36) Dibromomethane	5.23	93	6409	10.351	ppb		94
37) 4-Methyl-2-pentanone	5.91	85	7822	51.498	ppb		96
38) cis-1,3-Dichloropropene	5.76	75	15627	10.651	ppb		97
40) Toluene	6.04	92	27356	10.355	ppb		92
41) trans-1,3-Dichloropropene	6.25	75	13702	9.606	ppb		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082222.D
Acq On : 22 Aug 2022 01:03 pm
Operator : RF
Sample : 10 ppb 8260 CCV 67-54N
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

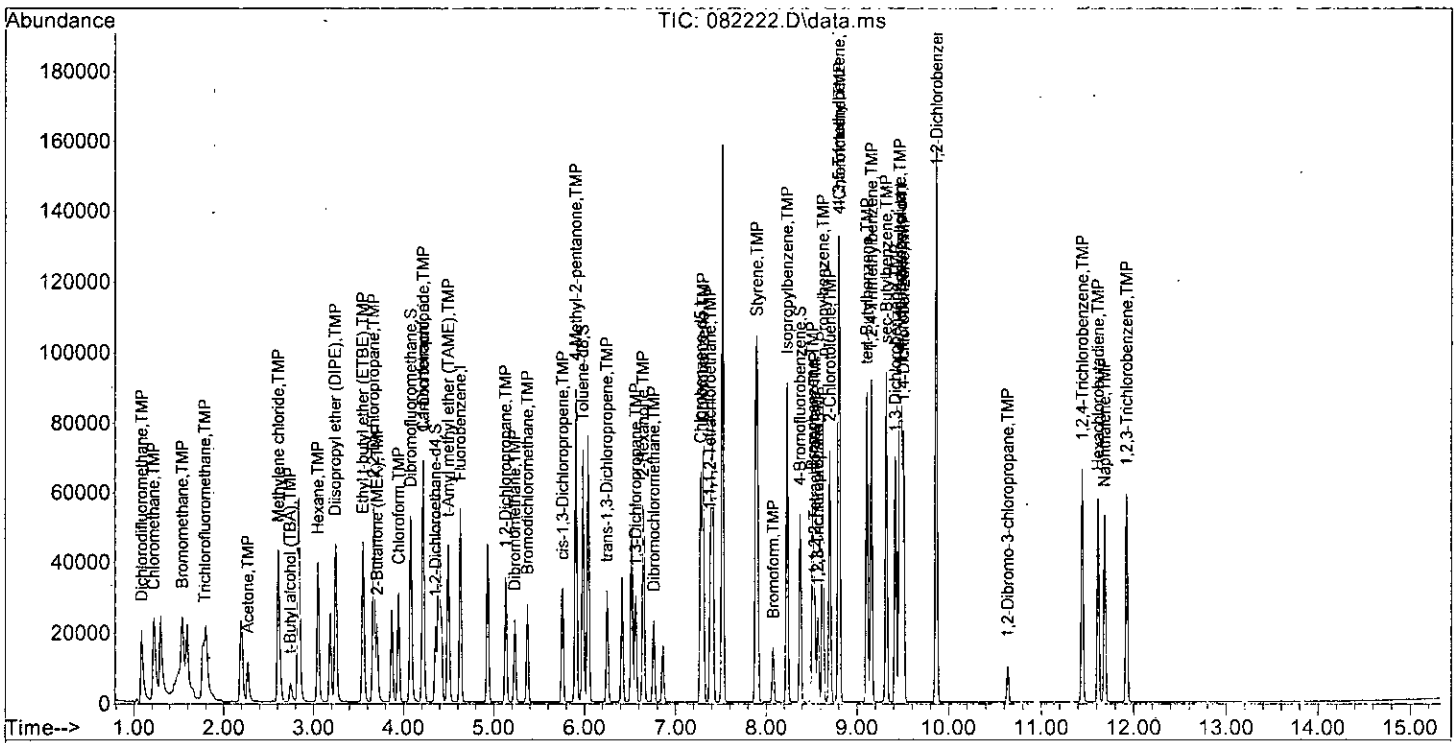
Quant Time: Aug 22 13:20:46 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

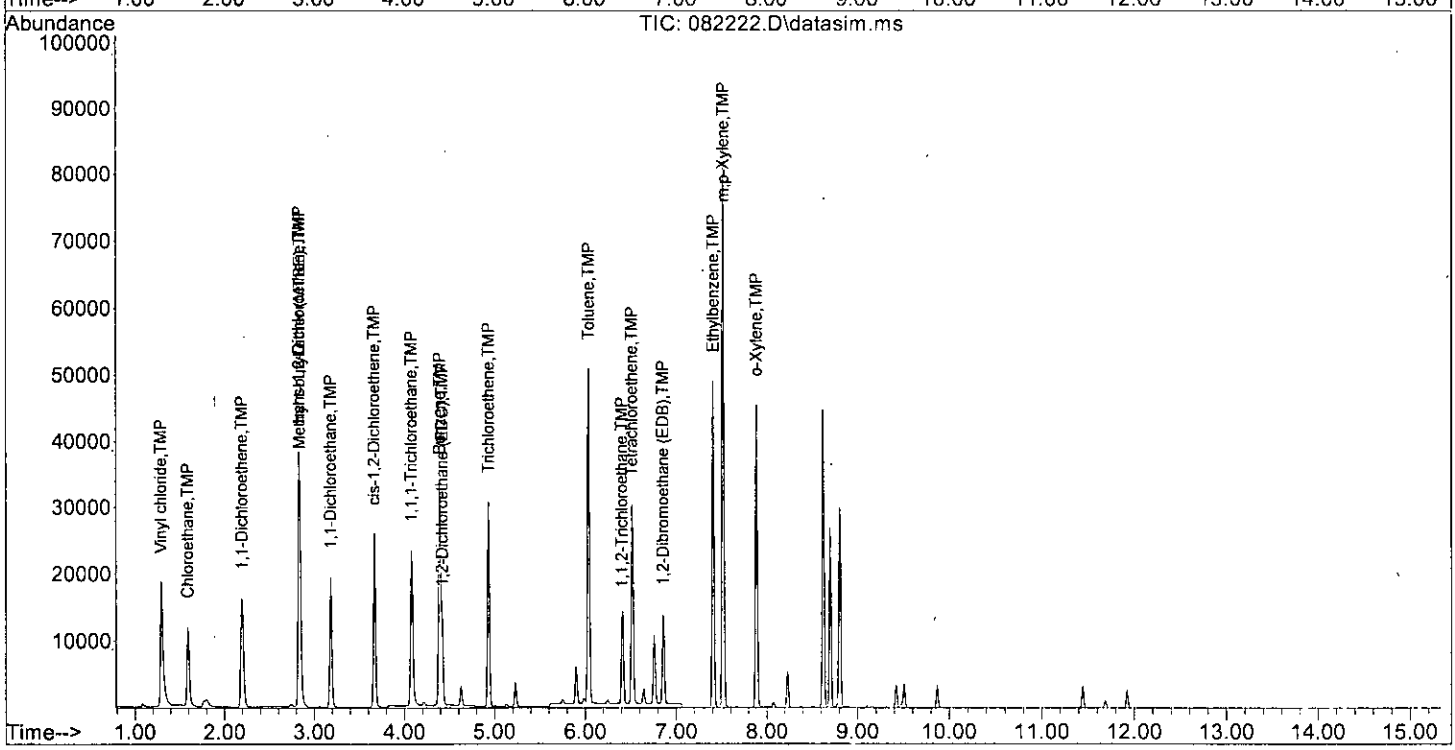
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	7853	10.164	ppb	92
43) 2-Hexanone	6.64	43	35438	48.064	ppb	97
44) 1,3-Dichloropropane	6.57	76	14267	10.404	ppb	96
45] Tetrachloroethene	6.51	164	11306	10.495	ppb	97
46) Dibromochloromethane	6.76	129	10676	10.274	ppb	94
47] 1,2-Dibromoethane (EDB)	6.85	107	9704	10.013	ppb	98
48) Chlorobenzene	7.30	112	30569	10.138	ppb	98
49] Ethylbenzene	7.41	91	51880	10.497	ppb	87
50) 1,1,1,2-Tetrachloroethane	7.38	131	11251	10.349	ppb	94
51] m,p-Xylene	7.52	106	40524	21.149	ppb	94
52] o-Xylene	7.88	106	20229	10.637	ppb	95
53) Styrene	7.90	104	31941	10.455	ppb	99
54) Isopropylbenzene	8.23	105	50849	10.235	ppb	98
55) Bromoform	8.08	173	6870	9.754	ppb	95
58) n-Propylbenzene	8.63	91	57331	10.091	ppb	97
59) Bromobenzene	8.52	156	14357	10.163	ppb	96
60) 1,3,5-Trimethylbenzene	8.80	105	42246	10.032	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.54	83	11579	10.003	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	8411	10.343	ppb	97
63) 2-Chlorotoluene	8.70	91	34292	10.192	ppb	97
64) 4-Chlorotoluene	8.81	91	39827	10.235	ppb	98
65) tert-Butylbenzene	9.11	119	38287	10.177	ppb	98
66) 1,2,4-Trimethylbenzene	9.16	105	43667	10.075	ppb	99
67) sec-Butylbenzene	9.32	105	55632	10.124	ppb	99
68) p-Isopropyltoluene	9.47	119	49116	10.340	ppb	100
69) 1,3-Dichlorobenzene	9.42	146	26373	9.932	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	26975	10.421	ppb	98
71) 1,2-Dichlorobenzene	9.87	146	26287	10.125	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	2197	10.559	ppb	96
73) 1,2,4-Trichlorobenzene	11.44	180	19602	9.968	ppb	99
74) Hexachlorobutadiene	11.61	225	11391	10.513	ppb	94
75) Naphthalene	11.69	128	37118	9.859	ppb	100
76) 1,2,3-Trichlorobenzene	11.92	180	17235	9.783	ppb	99

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

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082222.D
Acq On : 22 Aug 2022 01:03 pm
Operator : RF
Sample : 10 ppb 8260 CCV 67-54N
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 13:20:46 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



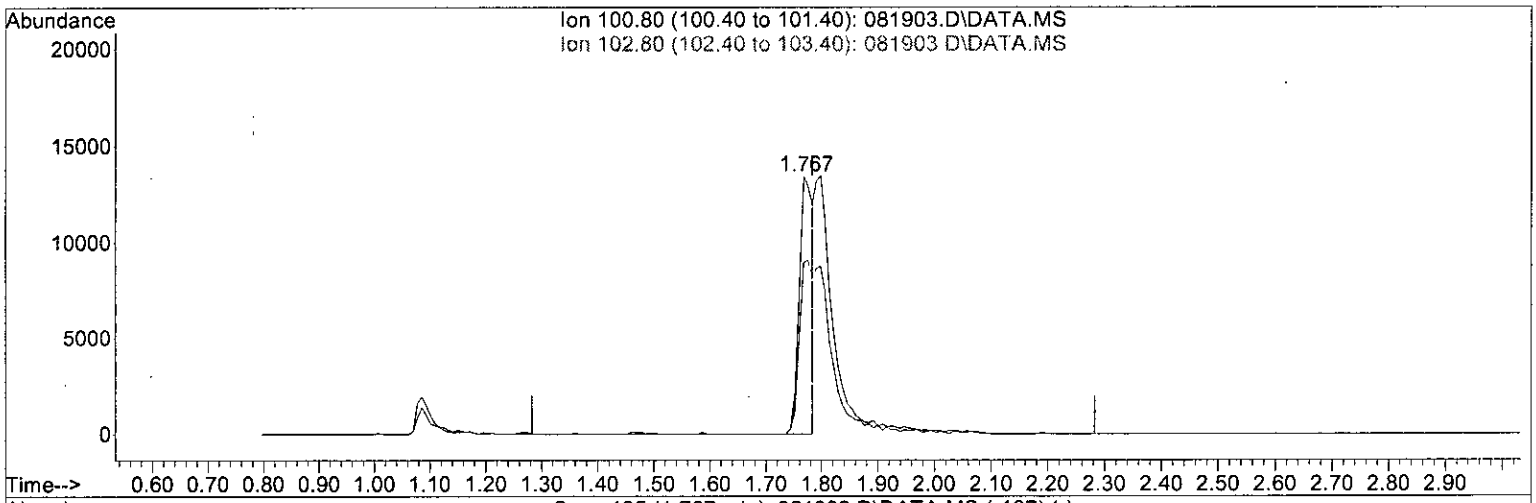


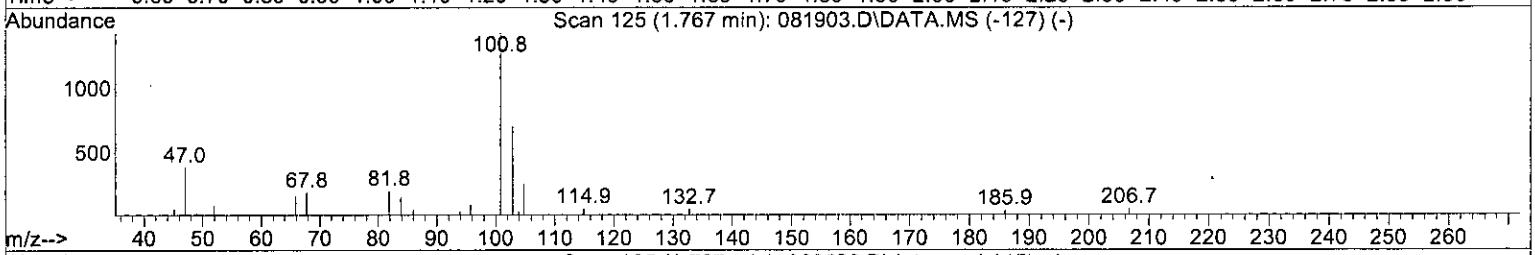
EPA 8260D
Quality Assurance Data

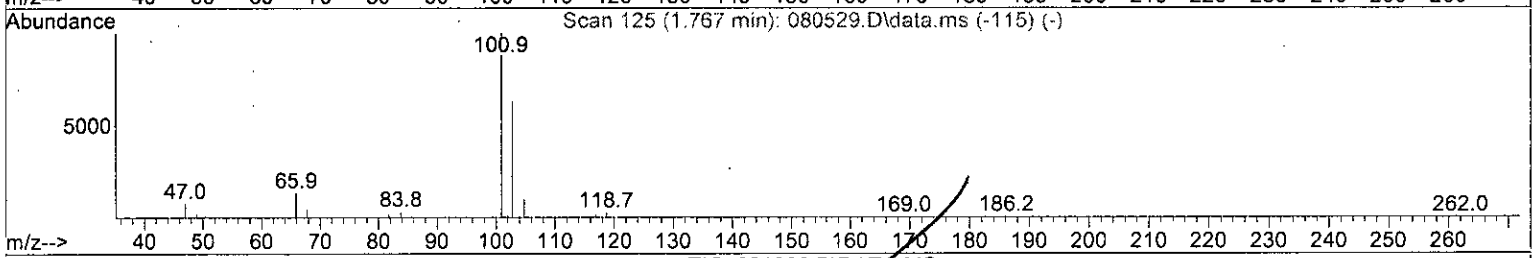
Quantitation Report (Qedit)

Data Path : L:\GCMS11_Data\08-19-22\
Data File : 081903.D
Acq On : 19 Aug 2022 09:35 am
Operator : LM
Sample : 02-1936 lcsd (Sig #1); 02-1936 lcsd (Sig #2)
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:33:48 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081903.D\DATA.MS

(9) Trichlorofluoromethane (TMP)

1.767min (-0.016) 4.826 ppb

response 22694

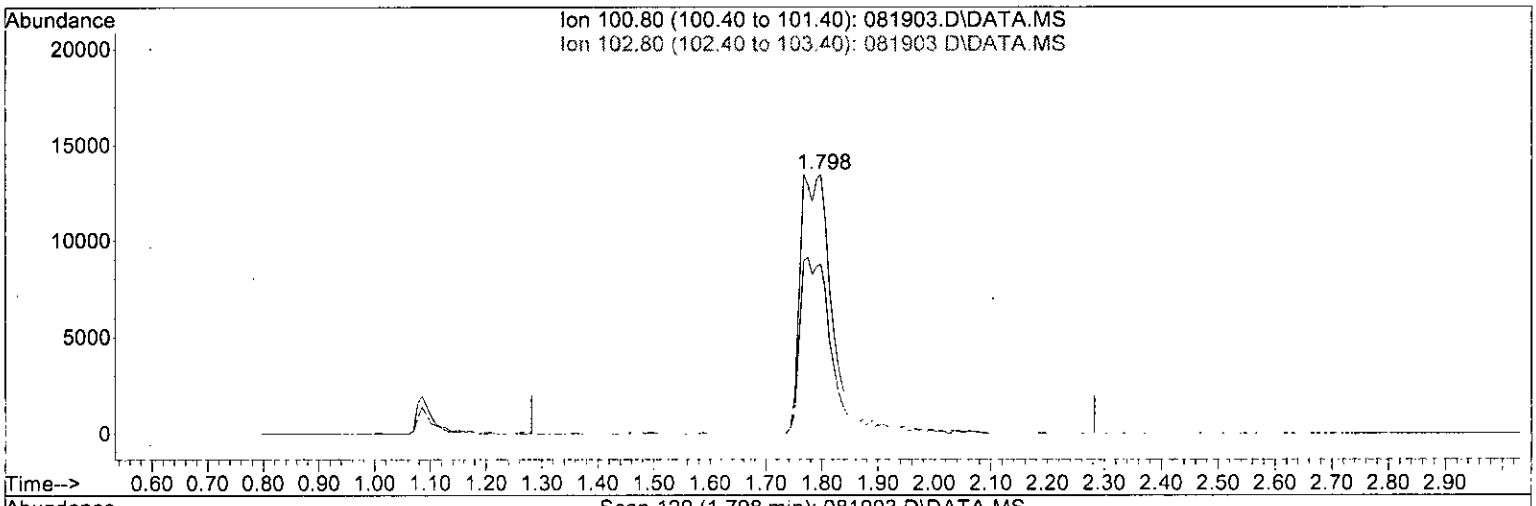
Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	66.57
0.00	0.00	0.00
0.00	0.00	0.00

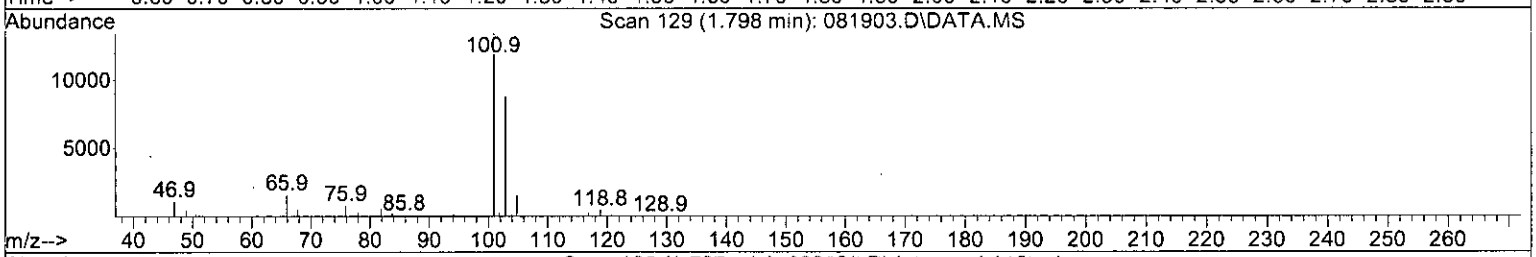
LM 8.19.22

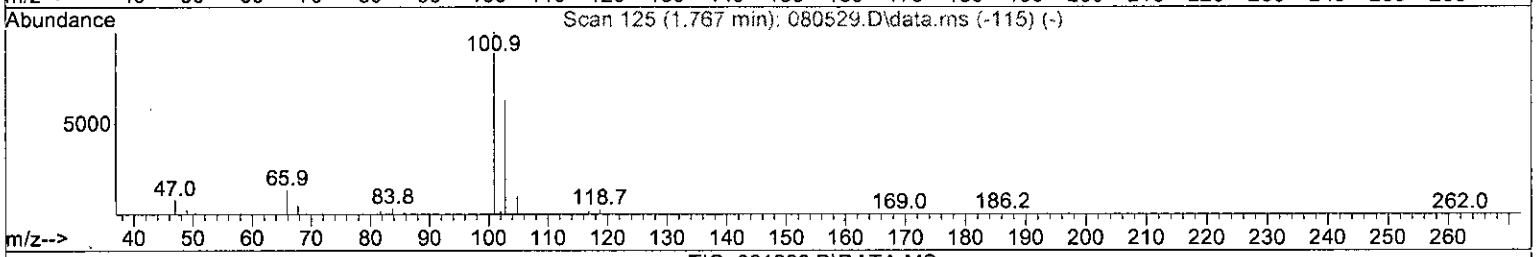
Quantitation Report (Qedit)

Data Path : L:\GCMS11_Data\08-19-22\
Data File : 081903.D
Acq On : 19 Aug 2022 09:35 am
Operator : LM
Sample : 02-1936 lcsd (Sig #1); 02-1936 lcsd (Sig #2)
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:33:48 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081903.D\DATA.MS

(9) Trichlorofluoromethane (TMP)

1.798min (+ 0.015) 11.620 ppb m

response 54647

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	65.09
0.00	0.00	0.00
0.00	0.00	0.00

M 8.19.22

Quantitation Report (QT Reviewed)

Data Path : L:\GCMS11_Data\08-19-22\
Data File : 081903.D
Acq On : 19 Aug 2022 09:35 am
Operator : LM
Sample : 02-1936 lcsd (Sig #1); 02-1936 lcsd (Sig #2)
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:34:56 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	49121	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	42975	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25507	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	14751	10.967	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 109.70%				
30) 1,2-Dichloroethane-d4	4.36	102	3046	10.459	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 104.60%				
35) Toluene-d8	5.98	98	49189	10.412	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 104.10%				
57) 4-Bromofluorobenzene	8.38	95	20878	9.906	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.10%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	40078	9.953	ppb		97
5) Chloromethane	1.22	50	46355	10.897	ppb		93
6] Vinyl chloride	1.29	62	45245	11.532	ppb		96
7) Bromomethane	1.54	94	26505	11.402	ppb		99
8] Chloroethane	1.60	64	23216	11.698	ppb		91
9) Trichlorofluoromethane	1.80	101	54647m	11.620	ppb		
10) 2-Propanol	2.40	45	71	No Calib			
11) Acetone	2.26	58	6243	51.303	ppb		86
12] 1,1-Dichloroethene	2.19	96	15163	11.321	ppb		98
13) Hexane	3.05	57	22445	11.005	ppb		97
14) Methylene chloride	2.61	84	24938	12.211	ppb		96
15) t-Butyl alcohol (TBA)	2.73	59	9169	62.067	ppb		95
16] Methyl t-butyl ether (...	2.84	73	41595	11.240	ppb		100
17] trans-1,2-Dichloroethene	2.83	96	16602	11.719	ppb		97
18) Diisopropyl ether (DIPE)	3.24	45	48241	10.466	ppb		99
19] 1,1-Dichloroethane	3.18	63	30039	11.294	ppb		99
20) Ethyl t-butyl ether (E...	3.55	87	17154	10.596	ppb	#	82
21) 2,2-Dichloropropane	3.67	77	19082	13.037	ppb		100
22] cis-1,2-Dichloroethene	3.67	96	18154	12.040	ppb		100
23) Chloroform	3.94	83	26769	11.100	ppb		99
24) 2-Butanone (MEK)	3.71	43	34468	57.216	ppb		99
25) t-Amyl methyl ether (T...	4.50	73	39008	10.963	ppb		98
26] 1,2-Dichloroethane (EDC)	4.42	62	21565	11.209	ppb		99
27] 1,1,1-Trichloroethane	4.08	97	26175	11.837	ppb		97
28) 1,1-Dichloropropene	4.22	75	19943	10.915	ppb		98
29) Carbon tetrachloride	4.21	117	22236	11.594	ppb		99
31] Benzene	4.39	78	57246	10.951	ppb		96
32] Trichloroethene	4.93	95	16030	10.684	ppb		86
33) 1,2-Dichloropropane	5.13	63	13791	9.771	ppb		99
34) Bromodichloromethane	5.37	83	17914	10.452	ppb		99
36) Dibromomethane	5.23	93	8908	10.916	ppb		97
37) 4-Methyl-2-pentanone	5.91	85	11748	58.686	ppb		98
38) cis-1,3-Dichloropropene	5.75	75	20664	10.686	ppb		97
40] Toluene	6.04	92	36886	10.028	ppb		91
41) trans-1,3-Dichloropropene	6.25	75	18891	9.514	ppb		99

Data Path : L:\GCMS11_Data\08-19-22\
Data File : 081903.D
Acq On : 19 Aug 2022 09:35 am
Operator : LM
Sample : 02-1936 lcsd (Sig #1); 02-1936 lcsd (Sig #2)
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

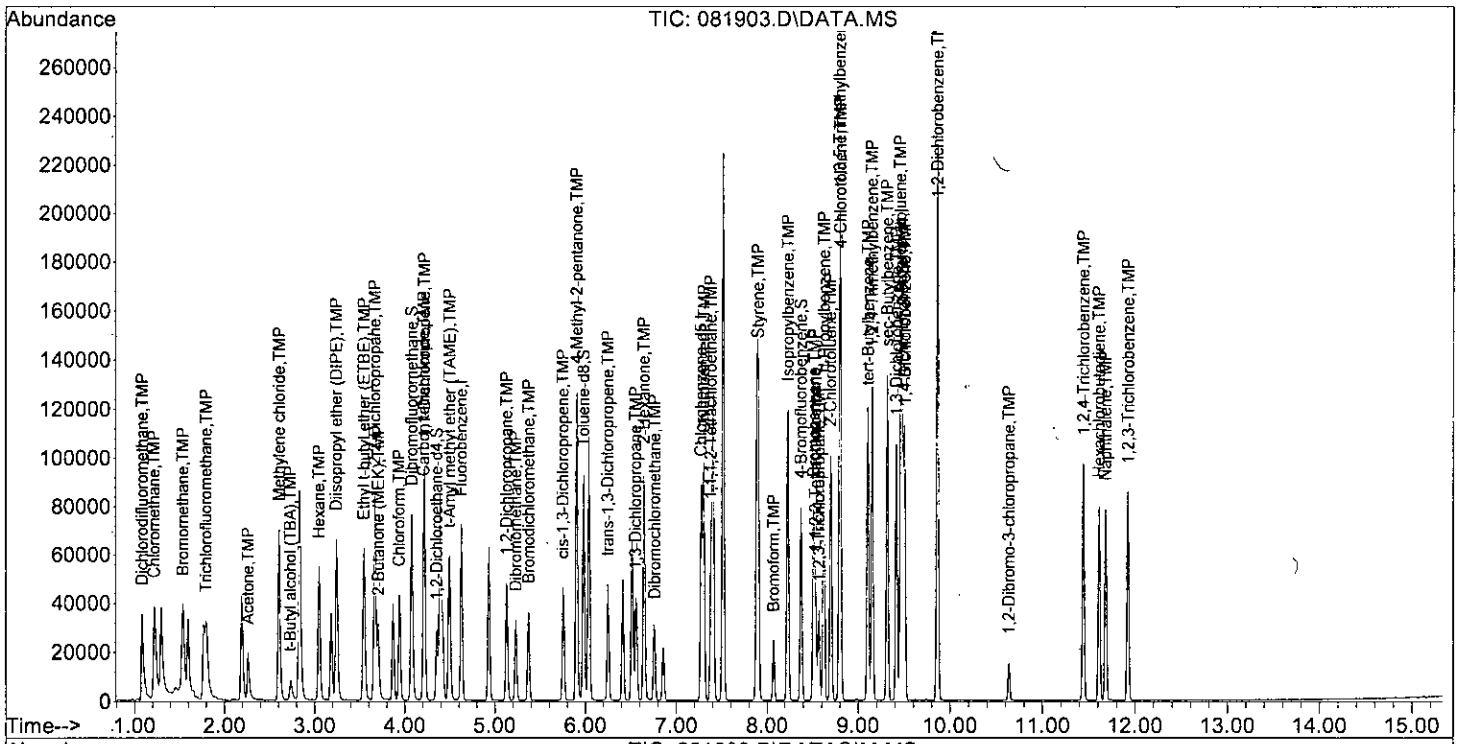
Quant Time: Aug 19 11:34:56 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	10825	10.065	ppb	98
43) 2-Hexanone	6.64	43	52397	51.051	ppb	99
44) 1,3-Dichloropropane	6.55	76	20101	10.531	ppb	98
45] Tetrachloroethene	6.51	164	15904	10.606	ppb	99
46) Dibromochloromethane	6.76	129	15095	10.435	ppb	100
47] 1,2-Dibromoethane (EDB)	6.85	107	13968	10.353	ppb	99
48) Chlorobenzene	7.30	112	43779	10.430	ppb	99
49] Ethylbenzene	7.40	91	73752	10.720	ppb	98
50) 1,1,1,2-Tetrachloroethane	7.38	131	15447	10.208	ppb	96
51] m,p-Xylene	7.52	106	57327	21.493	ppb	98
52] o-Xylene	7.88	106	28520	10.774	ppb	97
53) Styrene	7.90	104	45976	10.811	ppb	96
54) Isopropylbenzene	8.23	105	72041	10.417	ppb	99
55) Bromoform	8.07	173	9835	10.031	ppb	96
58) n-Propylbenzene	8.63	91	82637	10.185	ppb	97
59) Bromobenzene	8.52	156	20570	10.196	ppb	94
60) 1,3,5-Trimethylbenzene	8.80	105	60551	10.068	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	16852	10.194	ppb	99
62) 1,2,3-Trichloropropane	8.57	75	12356	10.639	ppb	98
63) 2-Chlorotoluene	8.70	91	48924	10.182	ppb	98
64) 4-Chlorotoluene	8.81	91	57121	10.279	ppb	98
65) tert-Butylbenzene	9.11	119	52576	9.786	ppb	97
66) 1,2,4-Trimethylbenzene	9.15	105	61837	9.991	ppb	97
67) sec-Butylbenzene	9.32	105	78753	10.035	ppb	97
68) p-Isopropyltoluene	9.46	119	69799	10.289	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	38123	10.054	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	39494	10.684	ppb	98
71) 1,2-Dichlorobenzene	9.86	146	37265	10.051	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.64	75	2927	9.851	ppb	87
73) 1,2,4-Trichlorobenzene	11.44	180	28371	10.103	ppb	94
74) Hexachlorobutadiene	11.61	225	16304	10.537	ppb	96
75) Naphthalene	11.68	128	54732	10.180	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	25457	10.119	ppb	95

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

Data Path : L:\GCMS11_Data\08-19-22\
Data File : 081903.D
Acq On : 19 Aug 2022 09:35 am
Operator : LM
Sample : 02-1936 lcsd (Sig #1); 02-1936 lcsd (Sig #2)
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:34:56 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (QT Reviewed)

Data Path : L:\GCMS11_Data\08-19-22\
Data File : 081902.D
Acq On : 19 Aug 2022 09:12 am
Operator : LM
Sample : 02-1936 lcs
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:31:28 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	49471	10.000 ppb	0.00
39) Chlorobenzene-d5	7.27	117	41570	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23188	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	14853	10.965 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 109.60%		
30) 1,2-Dichloroethane-d4	4.42	102	151	0.515 ppb	0.07
Spiked Amount 10.000	Range 78 - 126		Recovery = 5.10%#		
35) Toluene-d8	5.98	98	49975	10.504 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 105.00%		
57) 4-Bromofluorobenzene	8.38	95	19807	10.338 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 103.40%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	1.09	85	38705	9.544 ppb	95
5) Chloromethane	1.22	50	45900	10.714 ppb	100
6] Vinyl chloride	1.29	62	44596	11.286 ppb	98
7) Bromomethane	1.53	94	26282	11.226 ppb	95
8] Chloroethane	1.59	64	23105	11.560 ppb	98
9) Trichlorofluoromethane	1.77	101	52899	11.169 ppb	98
10) 2-Propanol	2.40	45	72	No Calib	
11) Acetone	2.26	58	6793	55.566 ppb	89
12] 1,1-Dichloroethene	2.19	96	14789	10.964 ppb	99
13) Hexane	3.05	57	22427	10.918 ppb	99
14) Methylene chloride	2.61	84	26401	13.076 ppb	93
15) t-Butyl alcohol (TBA)	2.73	59	8941	60.095 ppb	99
16] Methyl t-butyl ether (...	2.84	73	40902	10.975 ppb	100
17] trans-1,2-Dichloroethene	2.83	96	16354	11.462 ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	47304	10.190 ppb	96
19] 1,1-Dichloroethane	3.18	63	30684	11.455 ppb	99
20) Ethyl t-butyl ether (E...	3.55	87	17157	10.523 ppb	97
21) 2,2-Dichloropropane	3.67	77	19647	13.334 ppb	95
22] cis-1,2-Dichloroethene	3.67	96	16957	11.166 ppb	99
23) Chloroform	3.94	83	27157	11.182 ppb	96
24) 2-Butanone (MEK)	3.71	43	31006	51.057 ppb	95
25) t-Amyl methyl ether (T...	4.49	73	38444	10.728 ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	21226	10.954 ppb	96
27] 1,1,1-Trichloroethane	4.08	97	25763	11.569 ppb	96
28) 1,1-Dichloropropene	4.22	75	19616	10.660 ppb	99
29) Carbon tetrachloride	4.21	117	22105	11.444 ppb	97
31] Benzene	4.38	78	56644	10.759 ppb	94
32] Trichloroethene	4.93	95	16169	10.700 ppb	90
33) 1,2-Dichloropropane	5.13	63	14247	10.023 ppb	99
34) Bromodichloromethane	5.37	83	17620	10.207 ppb	97
36) Dibromomethane	5.23	93	8655	10.530 ppb	95
37) 4-Methyl-2-pentanone	5.91	85	10998	54.551 ppb	99
38) cis-1,3-Dichloropropene	5.75	75	20409	10.479 ppb	99
40] Toluene	6.03	92	36138	10.158 ppb	99
41) trans-1,3-Dichloropropene	6.25	75	18643	9.707 ppb	98

Data Path : L:\GCMS11_Data\08-19-22\
Data File : 081902.D
Acq On : 19 Aug 2022 09:12 am
Operator : LM
Sample : 02-1936 lcs
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:31:28 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

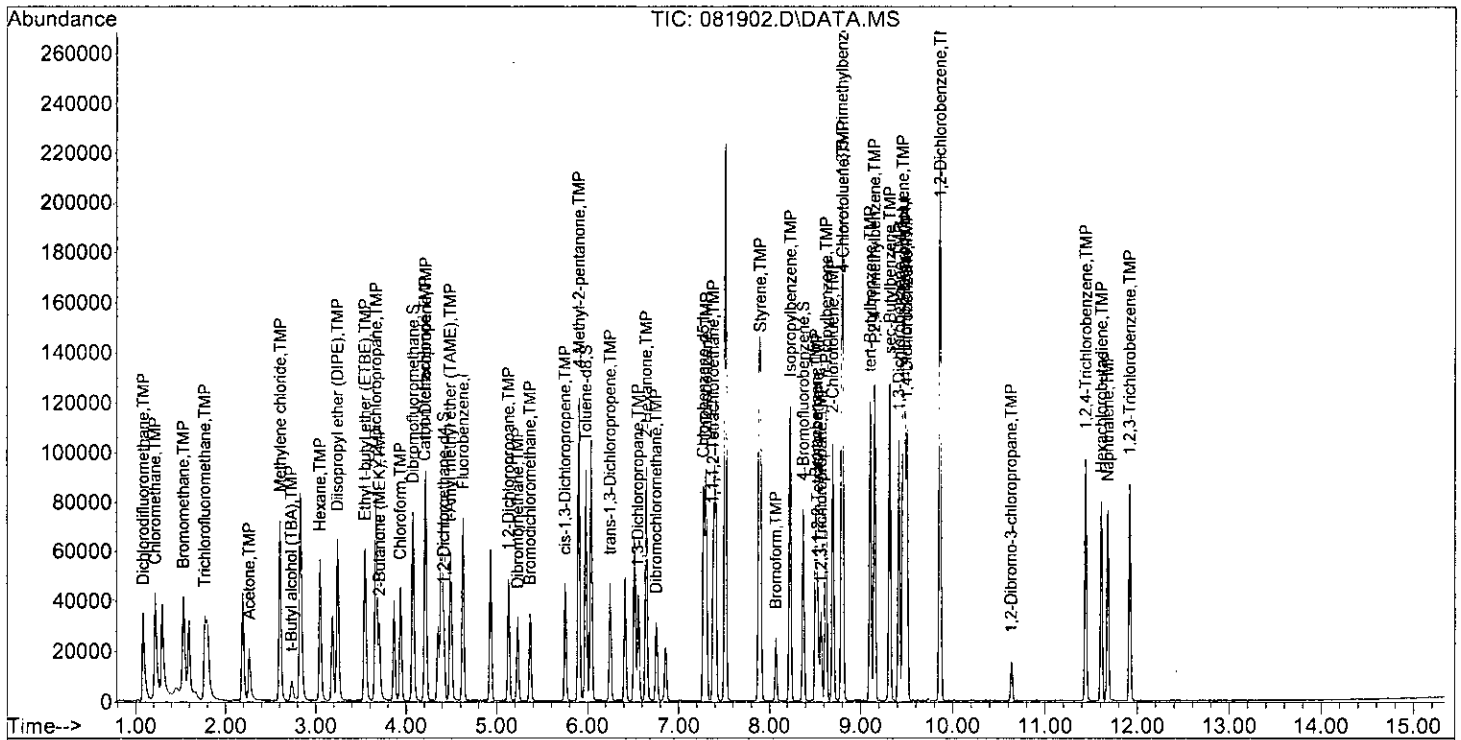
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	10505	10.097	ppb	98
43) 2-Hexanone	6.64	43	51790	52.165	ppb	99
44) 1,3-Dichloropropane	6.55	76	19291	10.448	ppb	100
45] Tetrachloroethene	6.51	164	15603	10.757	ppb	99
46) Dibromochloromethane	6.75	129	14475	10.345	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	13672	10.477	ppb	100
48) Chlorobenzene	7.30	112	42782	10.537	ppb	98
49] Ethylbenzene	7.40	91	72331	10.869	ppb	98
50) 1,1,1,2-Tetrachloroethane	7.38	131	15224	10.400	ppb	96
51] m,p-Xylene	7.52	106	56360	21.845	ppb	96
52] o-Xylene	7.88	106	27969	10.923	ppb	95
53) Styrene	7.90	104	45108	10.965	ppb	98
54) Isopropylbenzene	8.23	105	69664	10.414	ppb	97
55) Bromoform	8.07	173	9999	10.543	ppb	98
58) n-Propylbenzene	8.63	91	81951	11.111	ppb	98
59) Bromobenzene	8.52	156	20774	11.327	ppb	96
60) 1,3,5-Trimethylbenzene	8.80	105	59709	10.921	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.53	83	16388	10.905	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	12240	11.593	ppb	97
63) 2-Chlorotoluene	8.70	91	48492	11.102	ppb	98
64) 4-Chlorotoluene	8.81	91	56175	11.119	ppb	100
65) tert-Butylbenzene	9.10	119	51311	10.505	ppb	96
66) 1,2,4-Trimethylbenzene	9.15	105	60930	10.829	ppb	98
67) sec-Butylbenzene	9.32	105	77688	10.890	ppb	99
68) p-Isopropyltoluene	9.46	119	68002	11.027	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	38133	11.062	ppb	99
70) 1,4-Dichlorobenzene	9.50	146	38425	11.434	ppb	98
71) 1,2-Dichlorobenzene	9.86	146	36385	10.795	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	3072	11.373	ppb	96
73) 1,2,4-Trichlorobenzene	11.44	180	27911	10.933	ppb	96
74) Hexachlorobutadiene	11.61	225	16052	11.411	ppb	99
75) Naphthalene	11.68	128	52954	10.834	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	24406	10.671	ppb	90

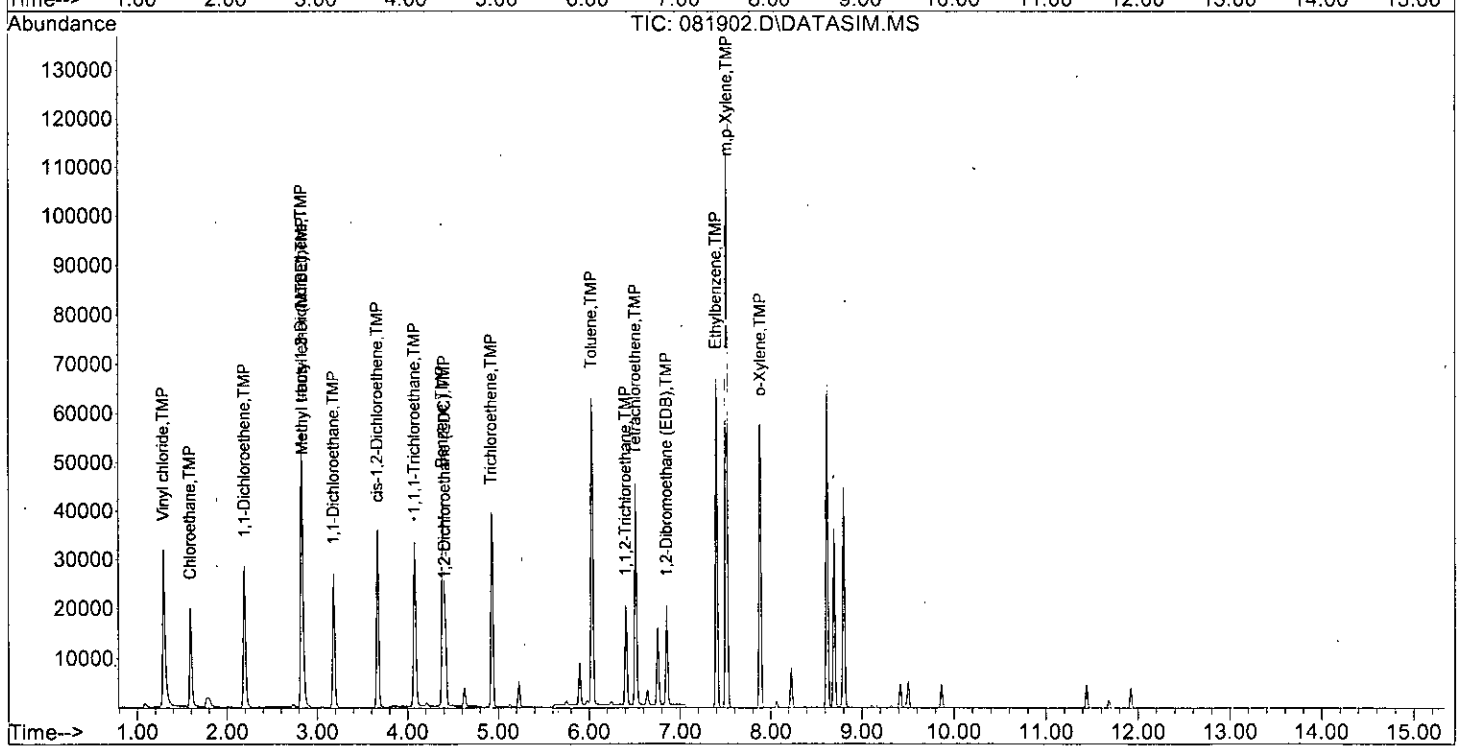
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : L:\GCMS11_Data\08-19-22\
Data File : 081902.D
Acq On : 19 Aug 2022 09:12 am
Operator : LM
Sample : 02-1936 lcs
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 19 11:31:28 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

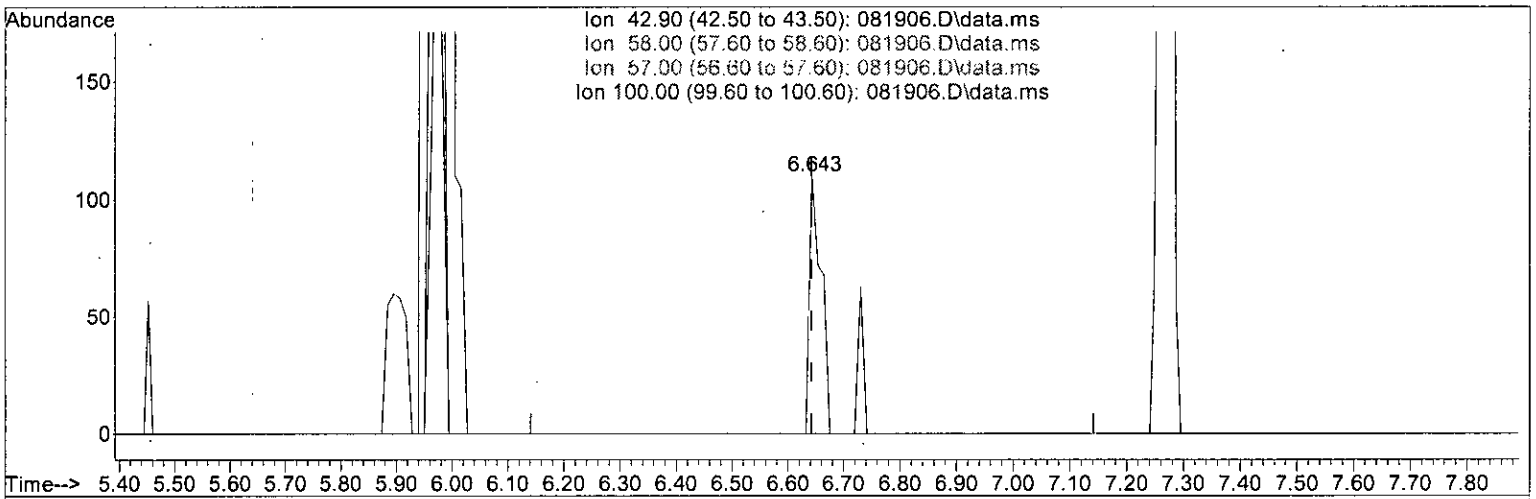


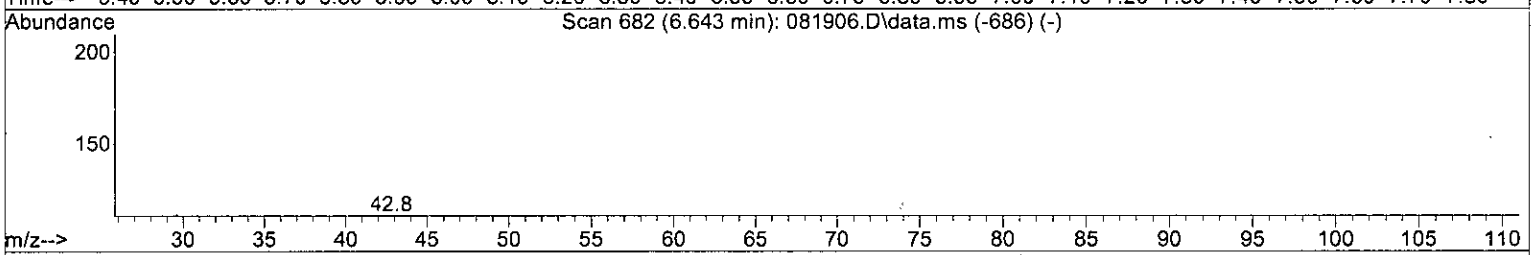


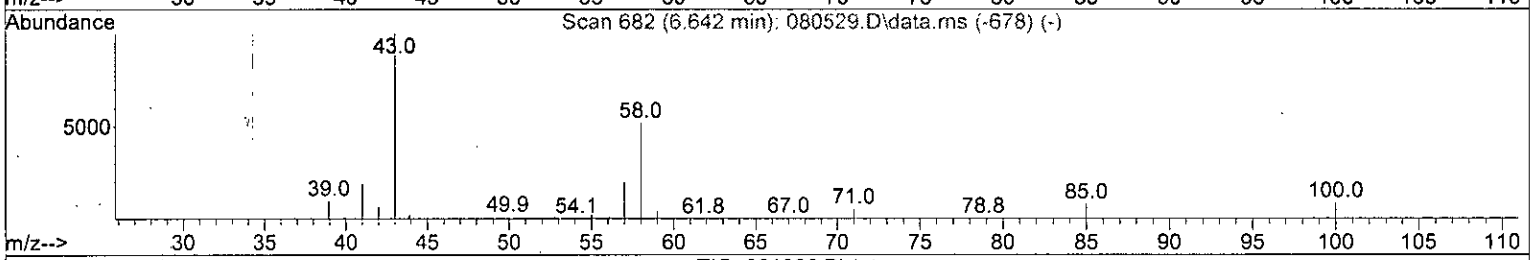
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081906.D
Acq On : 19 Aug 2022 11:29 am
Operator : LM
Sample : 02-1936 mb rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 09:40:38 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081906.D\data.ms

(43) 2-Hexanone (TMP)

6.643min (+ 0.001) 0.159 ppb

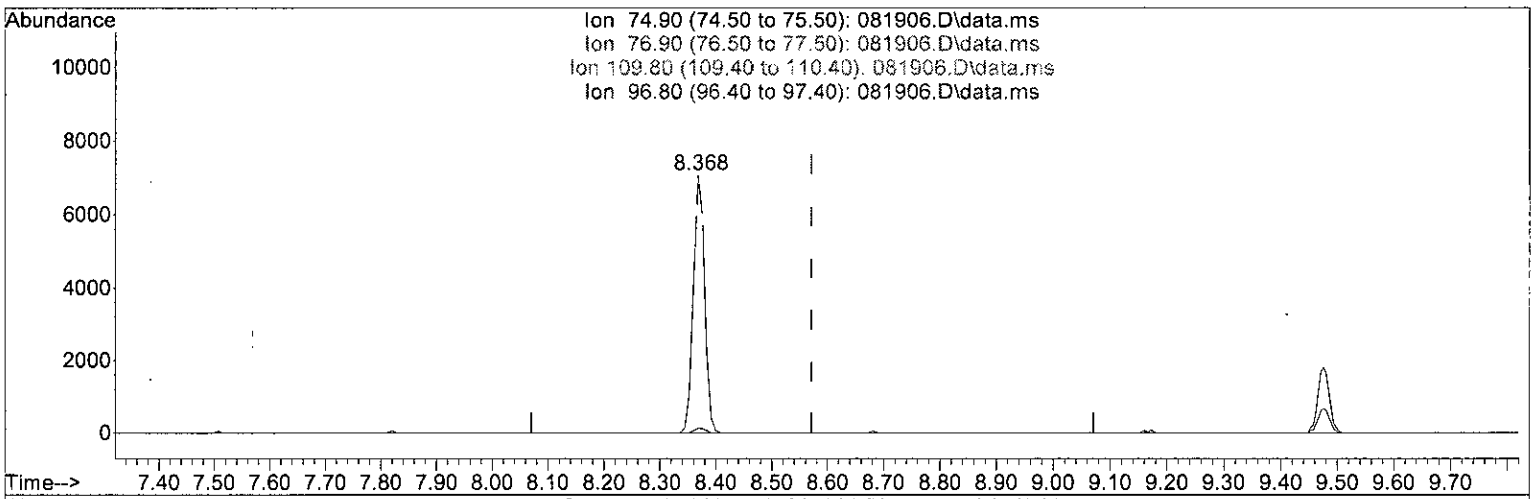
response 165

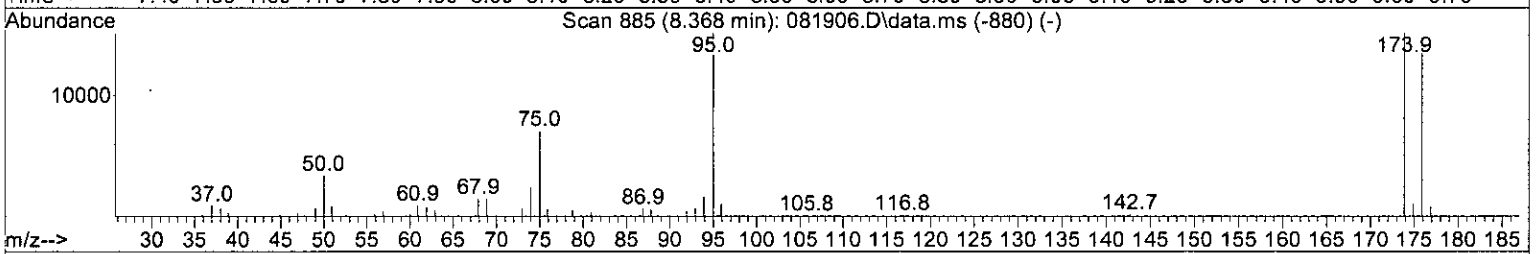
Ion	Exp%	Act%
42.90	100.00	100.00
58.00	53.70	0.00#
57.00	18.00	0.00
100.00	10.00	0.00

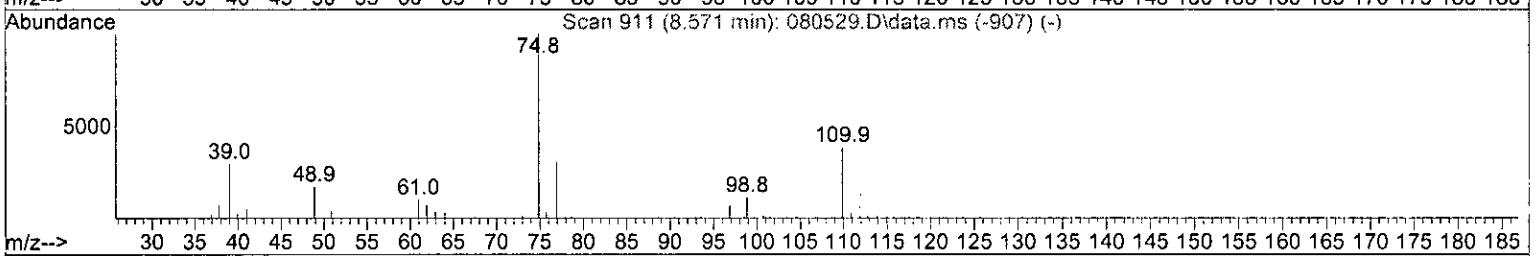
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081906.D
Acq On : 19 Aug 2022 11:29 am
Operator : LM
Sample : 02-1936 mb rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 09:40:38 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081906.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.368min (-0.203) 8.430 ppb

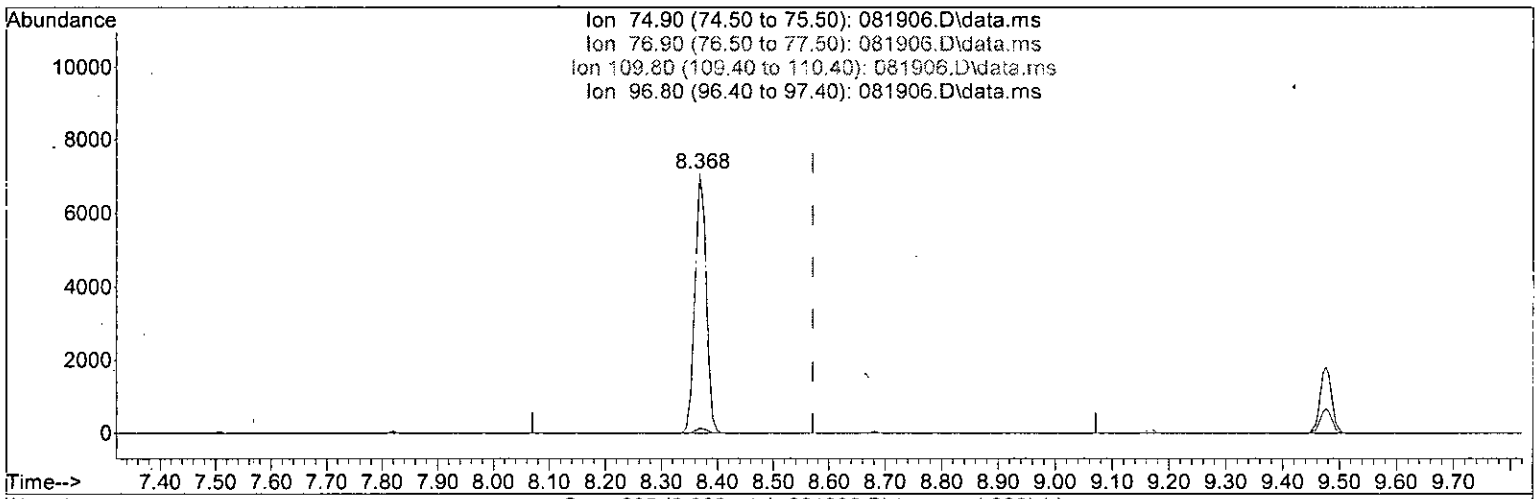
response 9918

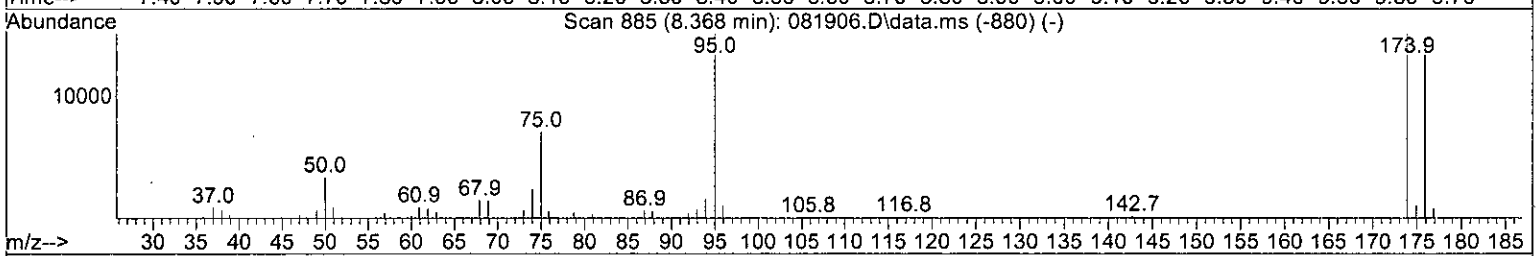
Ion	Exp%	Act%
74.90	100.00	100.00
76.90	28.10	1.75
109.80	39.20	0.00#
96.80	21.70	0.00

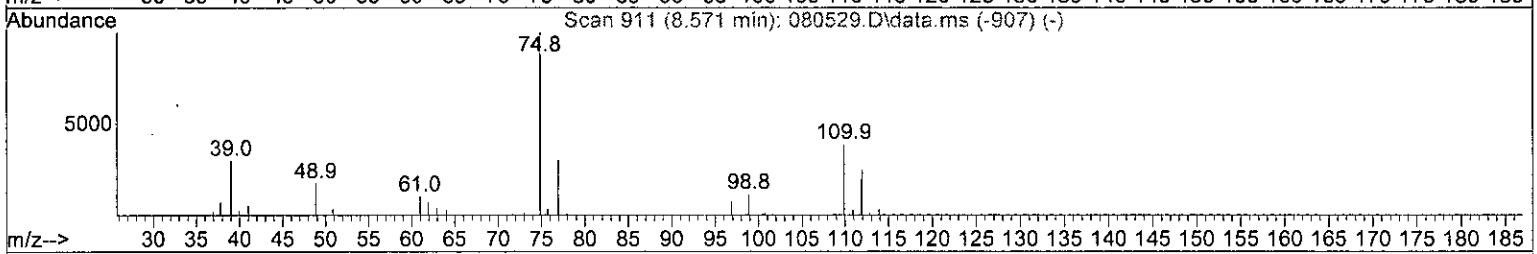
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081906.D
Acq On : 19 Aug 2022 11:29 am
Operator : LM
Sample : 02-1936 mb rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 09:41:38 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081906.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.368min (-0.203) 8.430 ppb

response 9918

Ion	Exp%	Act%
74.90	100.00	100.00
76.90	28.10	1.75
109.80	39.20	0.00#
96.80	21.70	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081906.D
Acq On : 19 Aug 2022 11:29 am
Operator : LM
Sample : 02-1936 mb rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:39:03 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

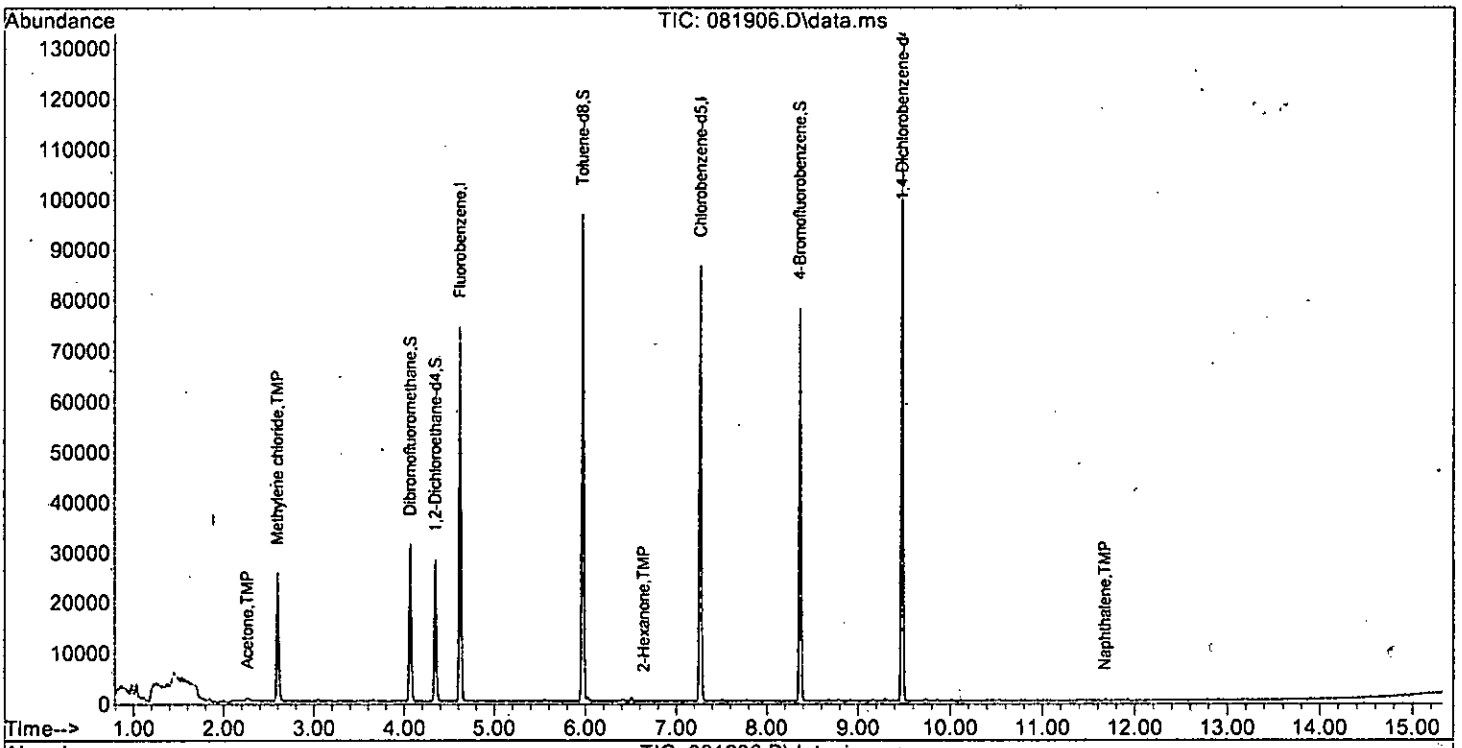
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	49972	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	43336	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25839	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	14547	10.631	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.30%			
30) 1,2-Dichloroethane-d4	4.35	102	2864	9.666	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 96.70%			
35) Toluene-d8	5.97	98	51539	10.724	ppb	-0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 107.20%			
57) 4-Bromofluorobenzene	8.37	95	20754	9.721	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 97.20%			
Target Compounds						Qvalue
11) Acetone	2.26	58	288	1.045	ppb #	73
14) Methylene chloride	2.60	84	9082	1.480	ppb	94
22] cis-1,2-Dichloroethene	3.66	96	58	0.029	ppb	95
24) 2-Butanone (MEK)	3.71	43	100	Below Cal		59
26] 1,2-Dichloroethane (EDC)	4.41	62	69	0.010	ppb	98
43) 2-Hexanone	6.64	43	165	0.159	ppb #	38
45] Tetrachloroethene	6.51	164	218	0.113	ppb	94
51] m,p-Xylene	7.51	106	97	0.012	ppb	99
75) Naphthalene	11.68	128	321	0.059	ppb	71

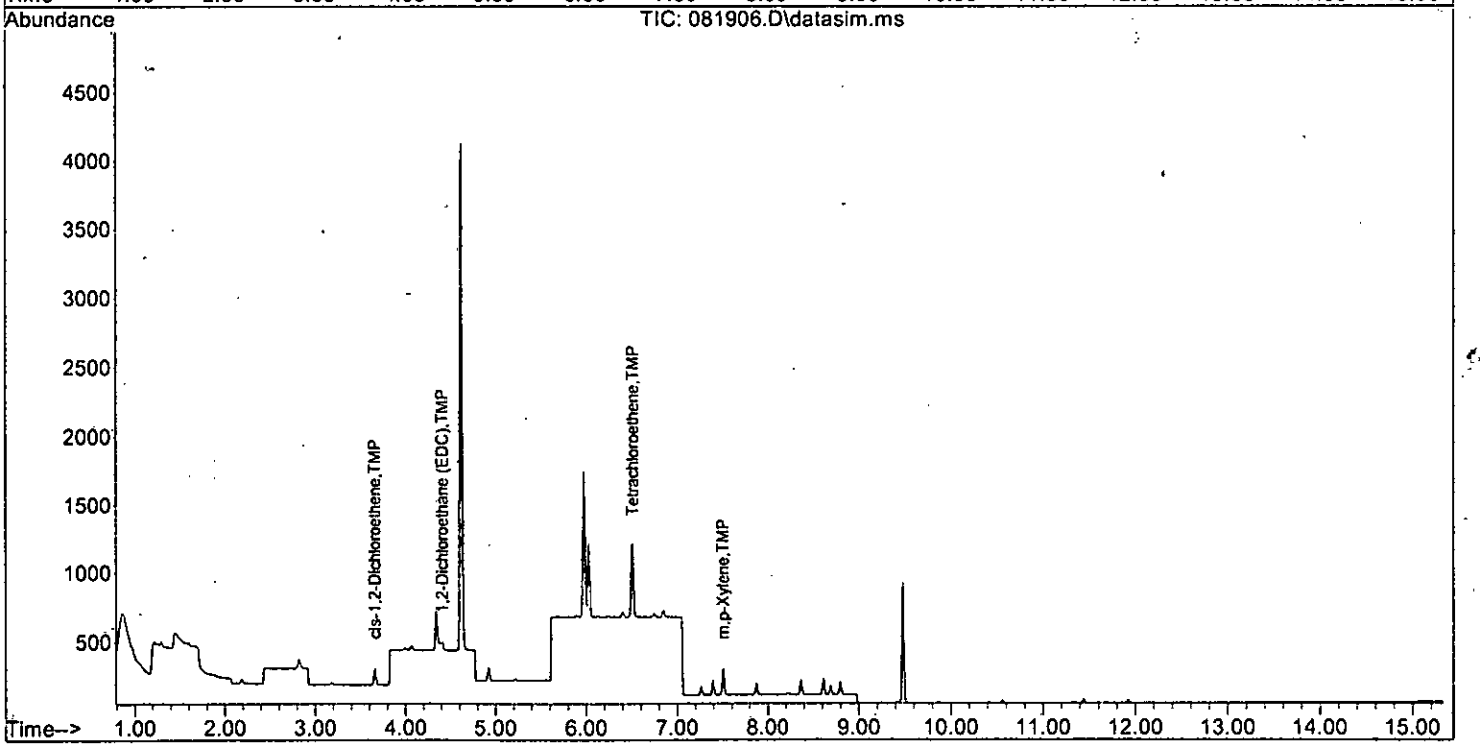
(#) = qualifier out of range (m) = manual integration (+) = signals summed

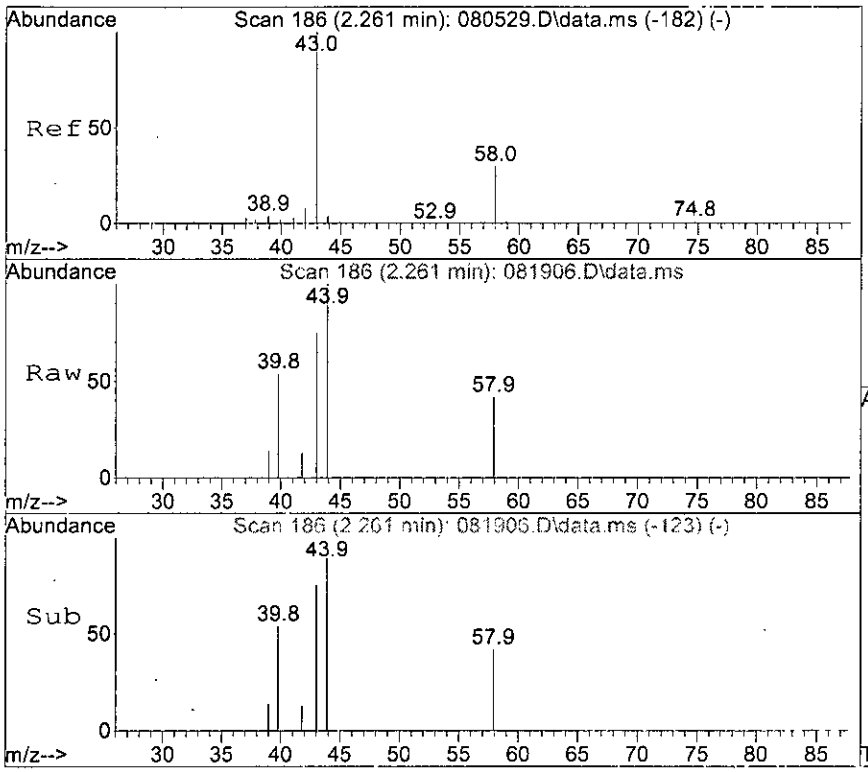
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081906.D
Acq On : 19 Aug 2022 11:29 am
Operator : LM
Sample : 02-1936 mb rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:39:03 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



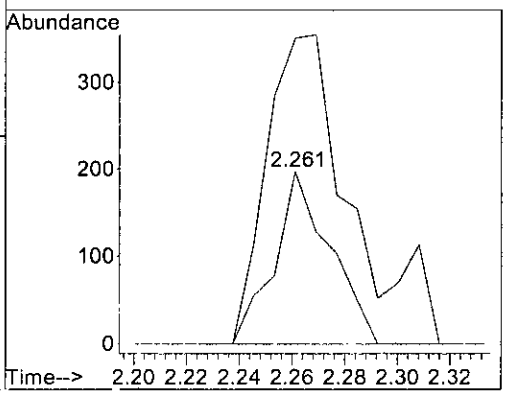


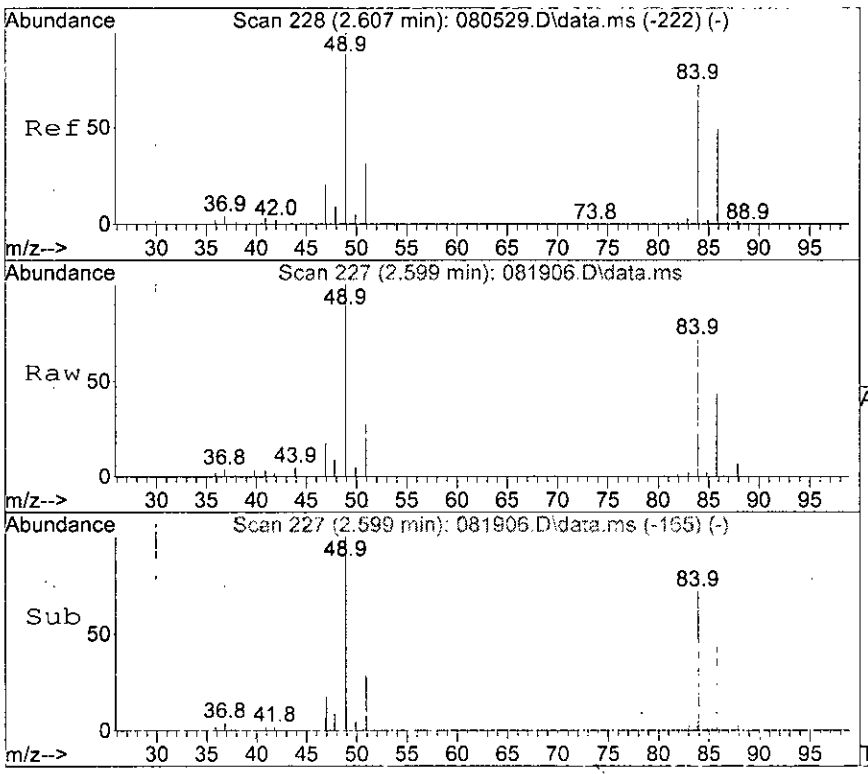


#11
Acetone
Concen: 1.045 ppb
RT: 2.26 min Scan# 186
Delta R.T. 0.008 min
Lab File: 081906.D
Acq: 19 Aug 2022 11:29 am

Tgt Ion: 58 Resp: 288

Ion	Ratio	Lower	Upper
58	100		
43	271.9	298.5	358.5#

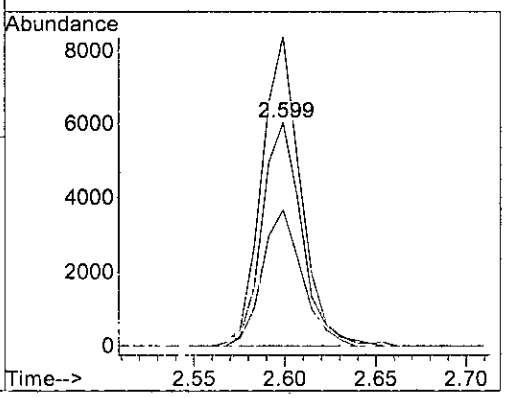


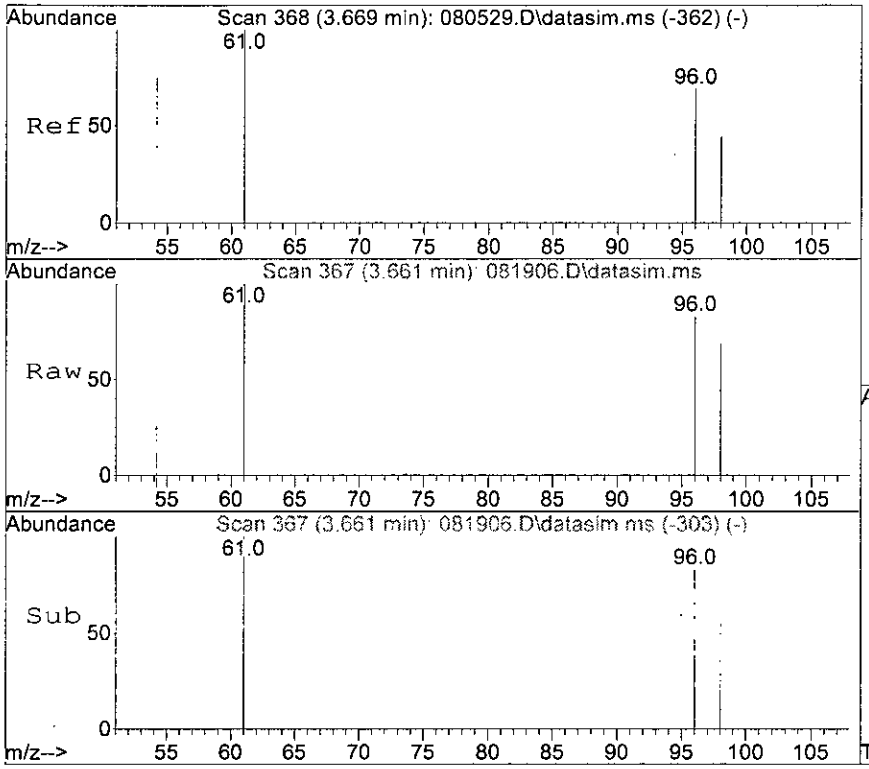


#14
Methylene chloride
Concen: 1.480 ppb
RT: 2.60 min Scan# 227
Delta R.T. 0.000 min
Lab File: 081906.D
Acq: 19 Aug 2022 11:29 am

Tgt Ion: 84 Resp: 9082

Ion	Ratio	Lower	Upper
84	100		
86	60.8	38.7	98.7
49	139.1	114.1	174.1

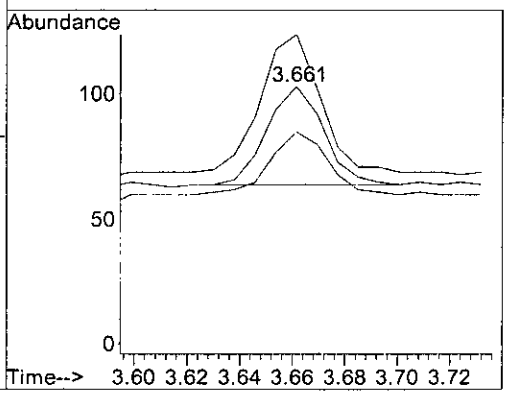


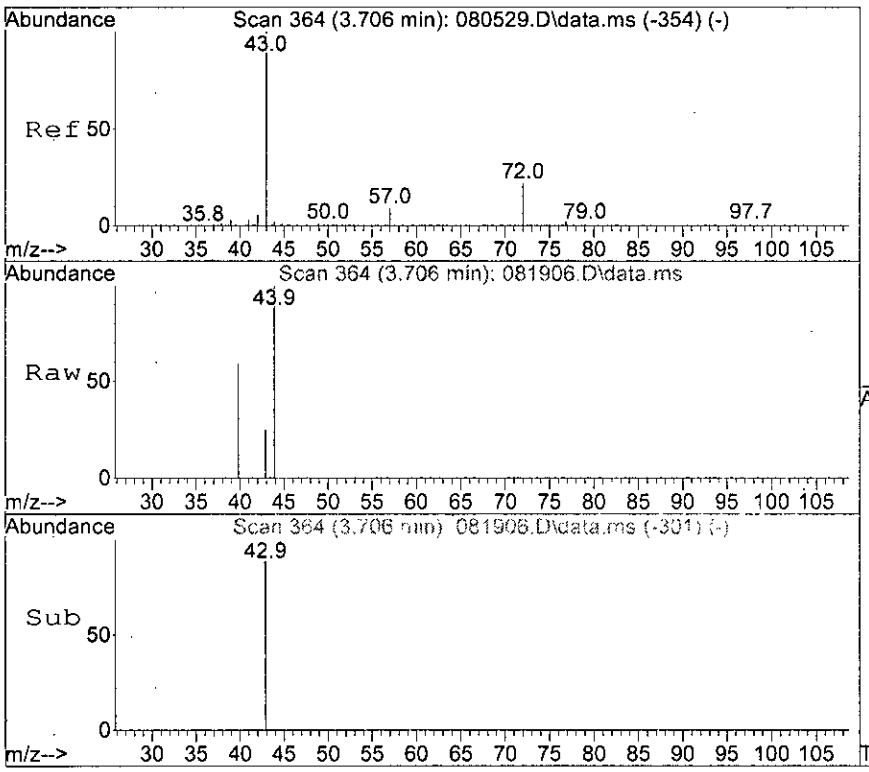


#22
cis-1,2-Dichloroethene
Concen: 0.029 ppb
RT: 3.66 min Scan# 367
Delta R.T. 0.000 min
Lab File: 081906.D
Acq: 19 Aug 2022 11:29 am

Tgt Ion: 96 Resp: 58

Ion	Ratio	Lower	Upper
96	100		
61	141.0	119.0	179.0
98	64.1	33.0	93.0

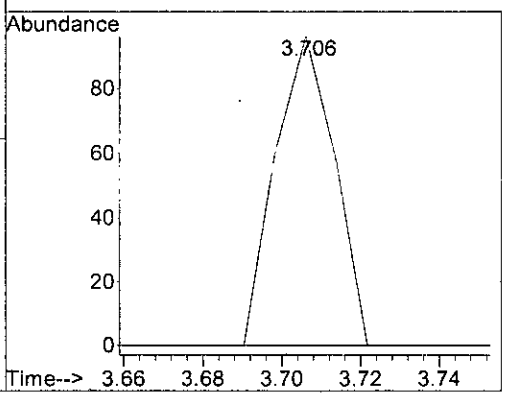


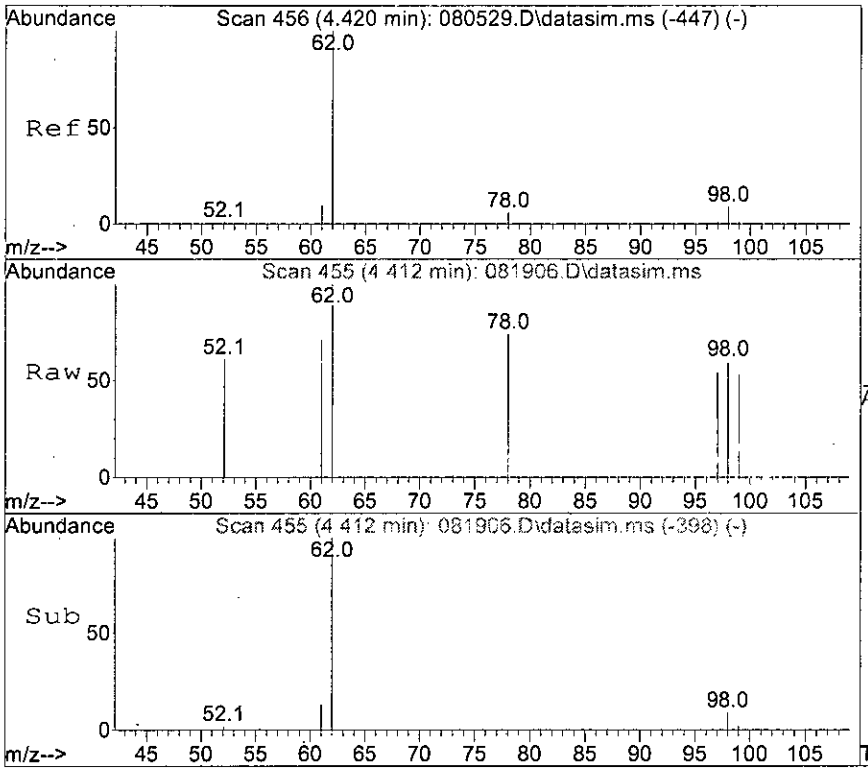


#24
2-Butanone (MEK)
Concen: Below Cal
RT: 3.71 min Scan# 364
Delta R.T. 0.008 min
Lab File: 081906.D
Acq: 19 Aug 2022 11:29 am

Tgt Ion: 43 Resp: 100

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	53.3
57	0.0	0.0	28.3

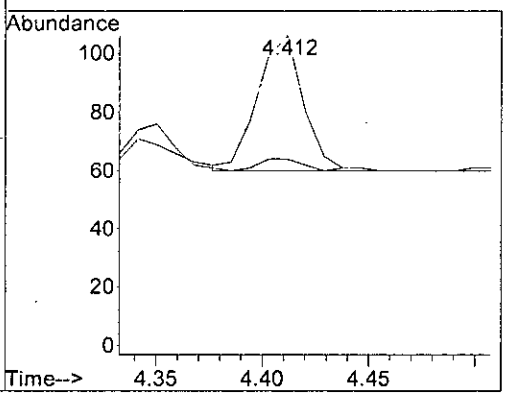


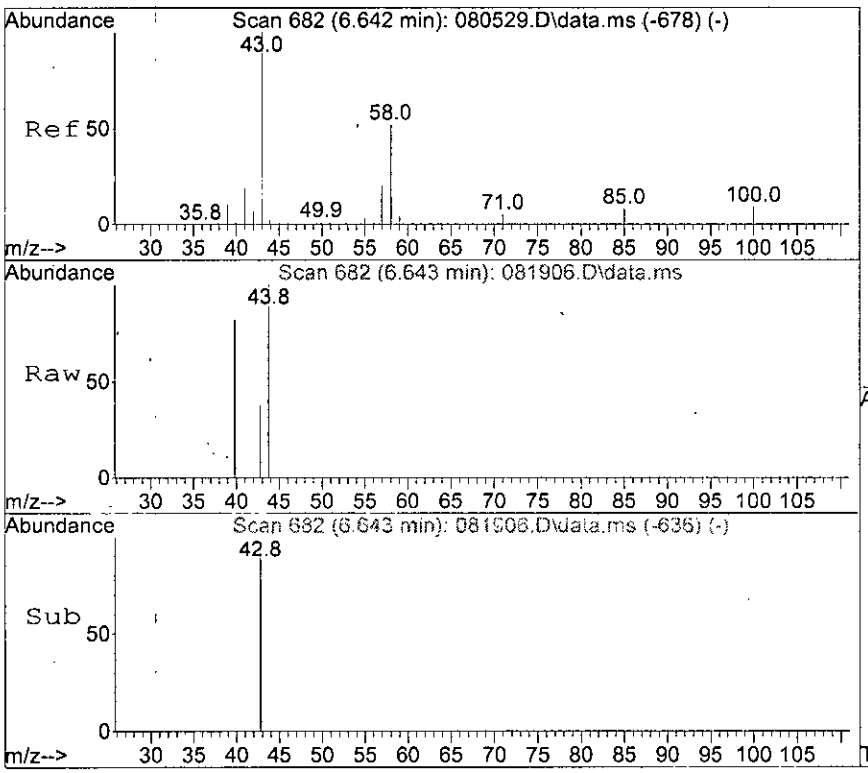


#26
1,2-Dichloroethane (EDC)
Concen: 0.010 ppb
RT: 4.41 min Scan# 455
Delta R.T. 0.001 min
Lab File: 081906.D
Acq: 19 Aug 2022 11:29 am

Tgt Ion: 62 Resp: 69

Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	38.1

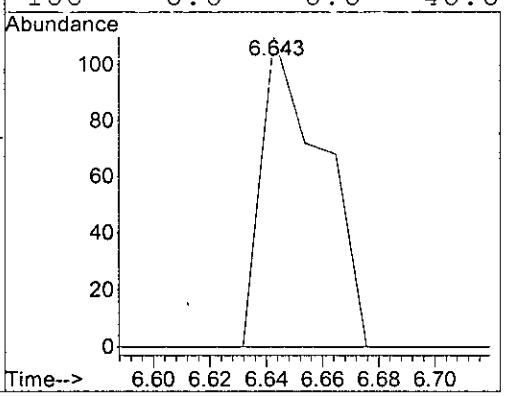


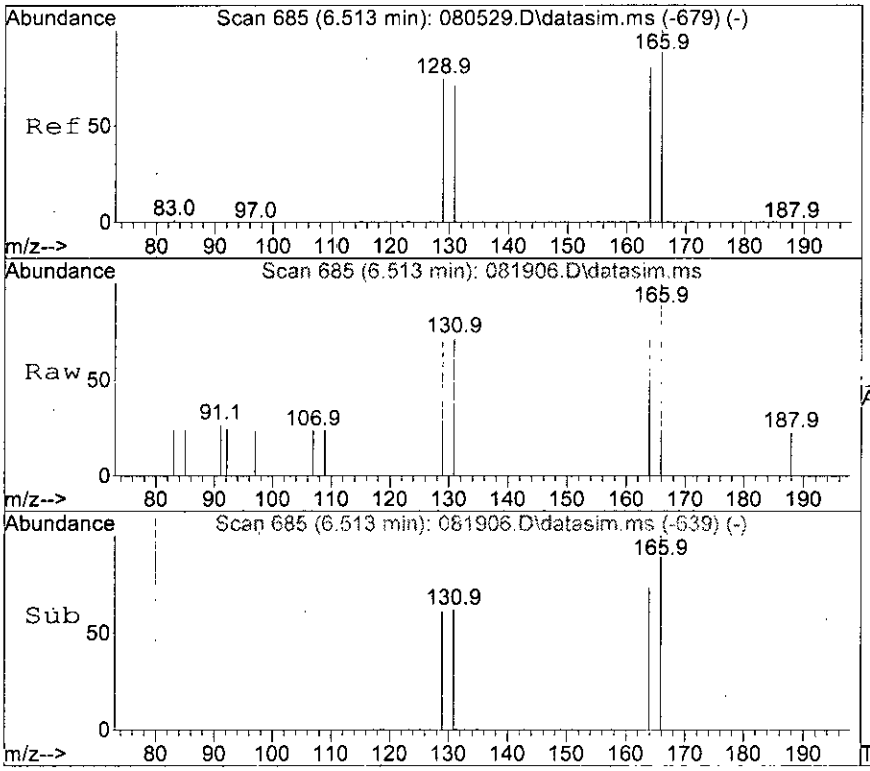


#43
2-Hexanone
Concen: 0.159 ppb
RT: 6.64 min Scan# 682
Delta R.T. 0.001 min
Lab File: 081906.D
Acq: 19 Aug 2022 11:29 am

Tgt Ion: 43 Resp: 165

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.7	83.7#
57	0.0	0.0	48.0
100	0.0	0.0	40.0

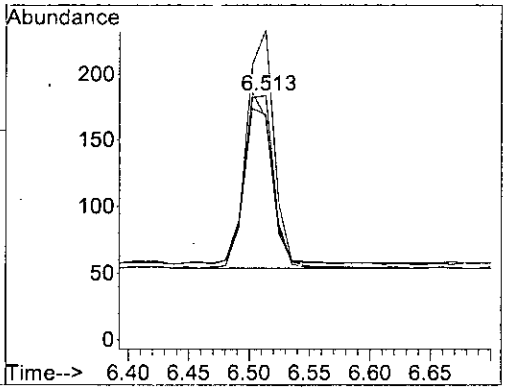


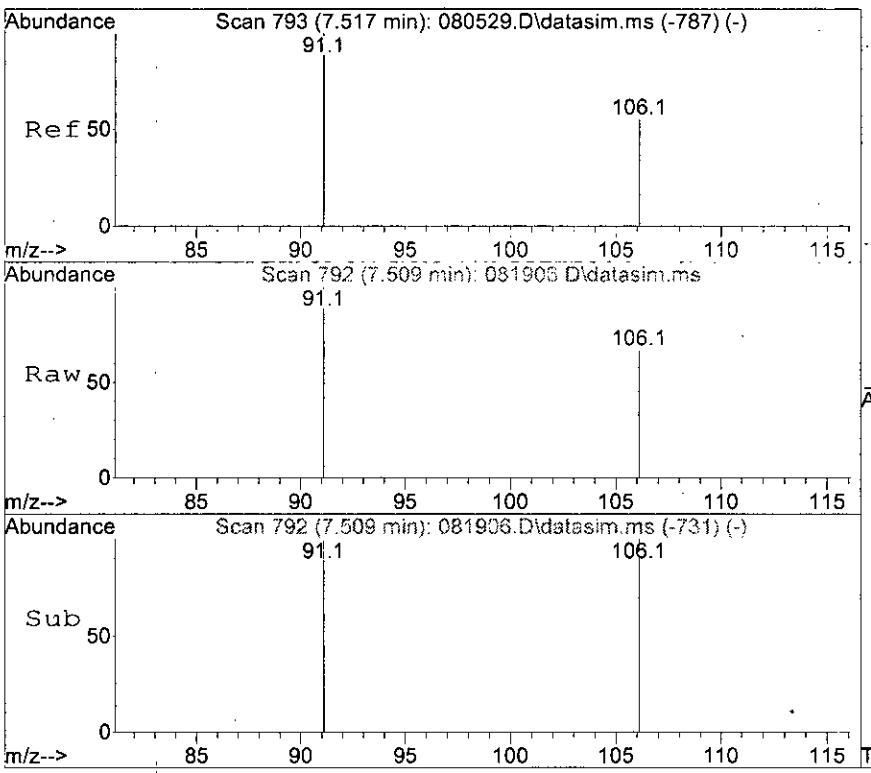


#45
Tetrachloroethene
Concen: 0.113 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 081906.D
Acq: 19 Aug 2022 11:29 am

Tgt Ion:164 Resp: 218

Ion	Ratio	Lower	Upper
164	100		
129	83.8	60.3	120.3
131	86.2	57.0	117.0
166	137.7	96.8	156.8

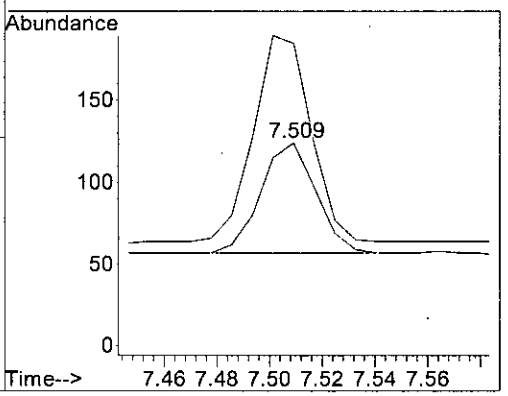


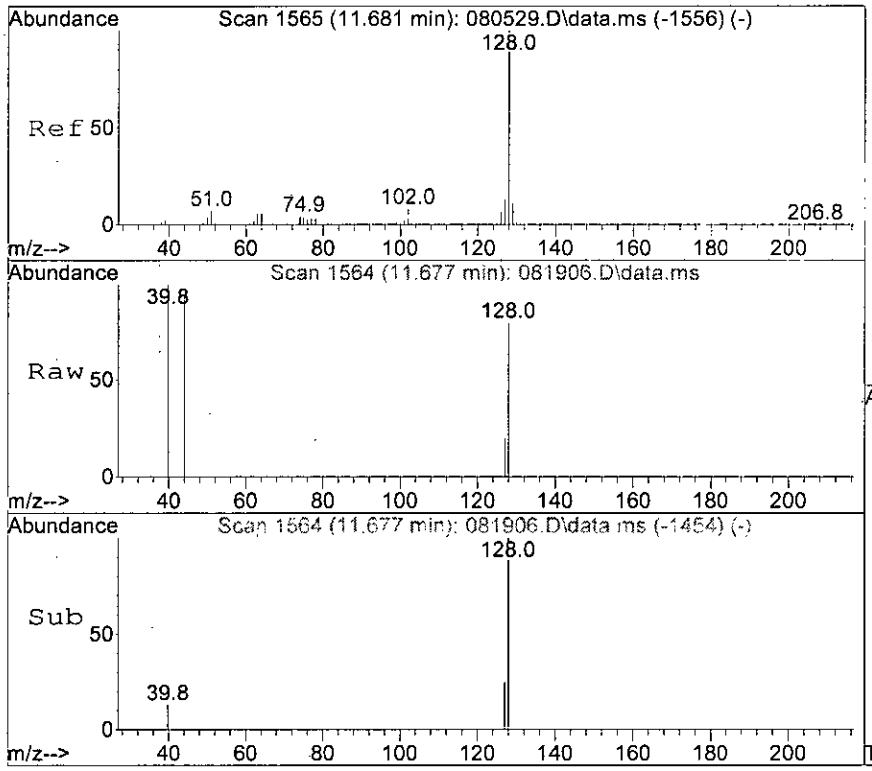


#51
m,p-Xylene
Concen: 0.012 ppb
RT: 7.51 min Scan# 792
Delta R.T. -0.008 min
Lab File: 081906.D
Acq: 19 Aug 2022 11:29 am

Tgt Ion:106 Resp: 97

Ion	Ratio	Lower	Upper
106	100		
91	180.6	148.7	208.7

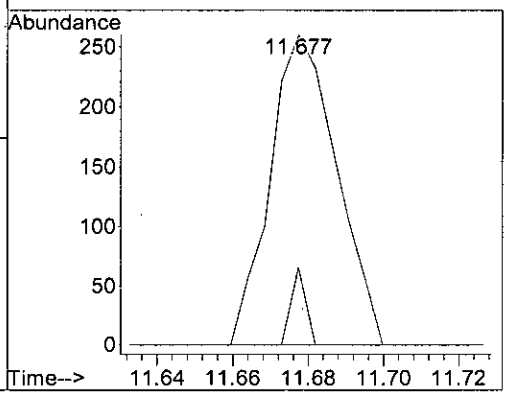




#75
Naphthalene
Concen: 0.059 ppb
RT: 11.68 min Scan# 1564
Delta R.T. -0.009 min
Lab File: 081906.D
Acq: 19 Aug 2022 11:29 am

Tgt Ion:128 Resp: 321

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.6
127	25.4	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081906.D
Acq On : 19 Aug 2022 11:29 am
Operator : LM
Sample : 02-1936 mb rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:39:03 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.62	96	49972	10.000 ppb	0.00
39) Chlorobenzene-d5	7.27	117	43336	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25839	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	14547	10.631 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.30%		
30) 1,2-Dichloroethane-d4	4.35	102	2864	9.666 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 96.70%		
35) Toluene-d8	5.97	98	51539	10.724 ppb	-0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 107.20%		
57) 4-Bromofluorobenzene	8.37	95	20754	9.721 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 97.20%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.21	50	744	N.D.	
6) Vinyl chloride	0.00		0	N.D.	
7) Bromomethane	0.00		0	N.D.	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	2.26	58	288	1.045 ppb #	73
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	3.04	57	169	N.D.	
14) Methylene chloride	2.60	84	9082	1.480 ppb	94
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	0.00		0	N.D.	
22] cis-1,2-Dichloroethene	3.66	96	58	0.029 ppb	95
23) Chloroform	3.94	83	66	N.D.	
24) 2-Butanone (MEK)	3.71	43	100	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26] 1,2-Dichloroethane (EDC)	4.41	62	69	0.010 ppb	98
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	4.39	78	69	N.D.	
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	6.03	92	278	N.D.	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081906.D
Acq On : 19 Aug 2022 11:29 am
Operator : LM
Sample : 02-1936 mb rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:39:03 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

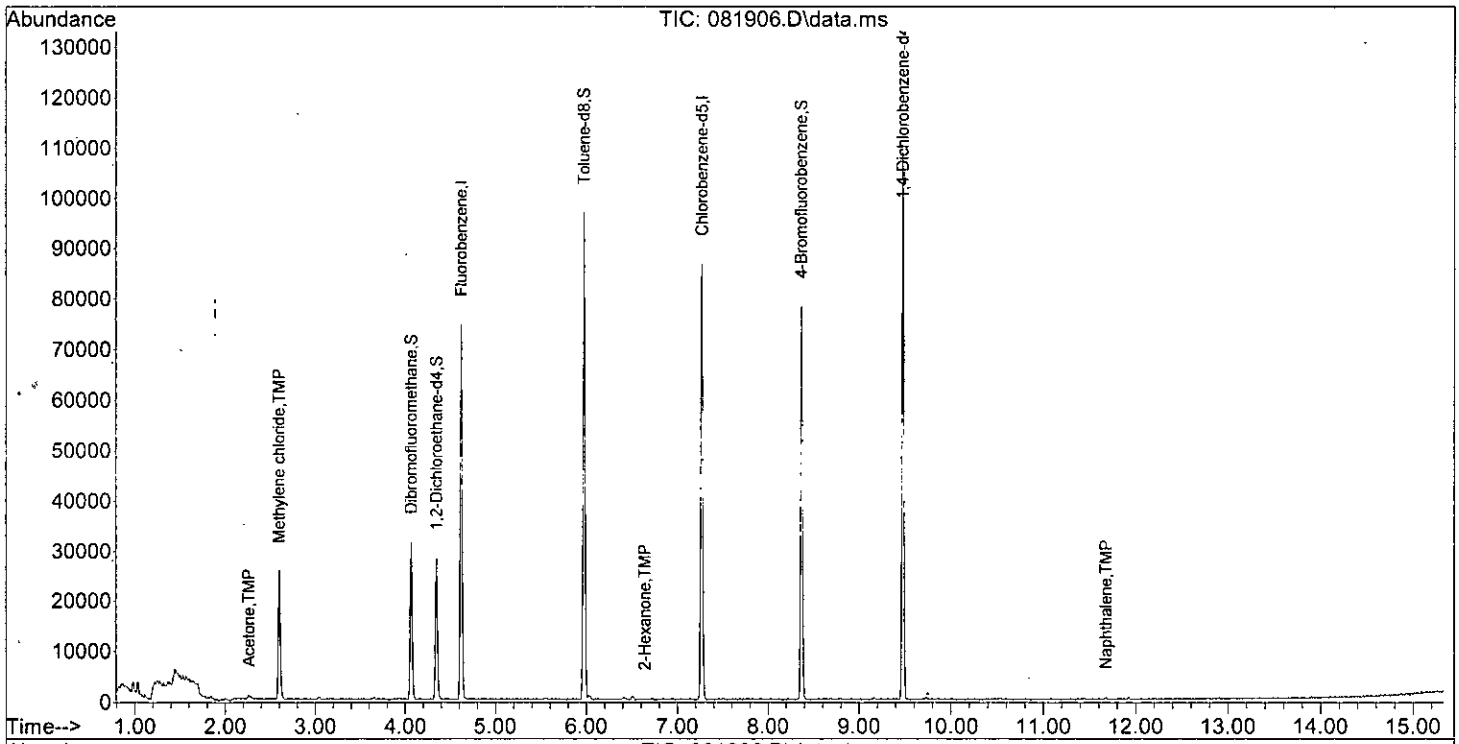
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	1,1,2-Trichloroethane	0.00		0	N.D.			
43)	2-Hexanone	6.64	43	165	0.159	ppb	#	38
44)	1,3-Dichloropropane	0.00		0	N.D.			
45)	Tetrachloroethene	6.51	164	218	0.113	ppb		94
46)	Dibromochloromethane	0.00		0	N.D.			
47)	1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48)	Chlorobenzene	7.30	112	63	N.D.			
49)	Ethylbenzene	7.40	91	121	N.D.			
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51)	m,p-Xylene	7.51	106	97	0.012	ppb		99
52)	o-Xylene	0.00		0	N.D.			
53)	Styrene	7.88	104	87	N.D.			
54)	Isopropylbenzene	8.23	105	123	N.D.			
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	8.61	91	149	N.D.			
59)	Bromobenzene	0.00		0	N.D.			
60)	1,3,5-Trimethylbenzene	8.79	105	151	N.D.			
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62)	1,2,3-Trichloropropane	0.00		0	N.D.	d		
63)	2-Chlorotoluene	8.68	91	88	N.D.			
64)	4-Chlorotoluene	8.79	91	186	N.D.			
65)	tert-Butylbenzene	0.00		0	N.D.			
66)	1,2,4-Trimethylbenzene	9.14	105	153	N.D.			
67)	sec-Butylbenzene	9.31	105	148	N.D.			
68)	p-Isopropyltoluene	9.46	119	138	N.D.			
69)	1,3-Dichlorobenzene	9.41	146	99	N.D.			
70)	1,4-Dichlorobenzene	9.51	146	130	N.D.			
71)	1,2-Dichlorobenzene	9.86	146	70	N.D.			
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	11.44	180	145	N.D.			
74)	Hexachlorobutadiene	0.00		0	N.D.			
75)	Naphthalene	11.68	128	321	0.059	ppb		71
76)	1,2,3-Trichlorobenzene	11.92	180	128	N.D.			

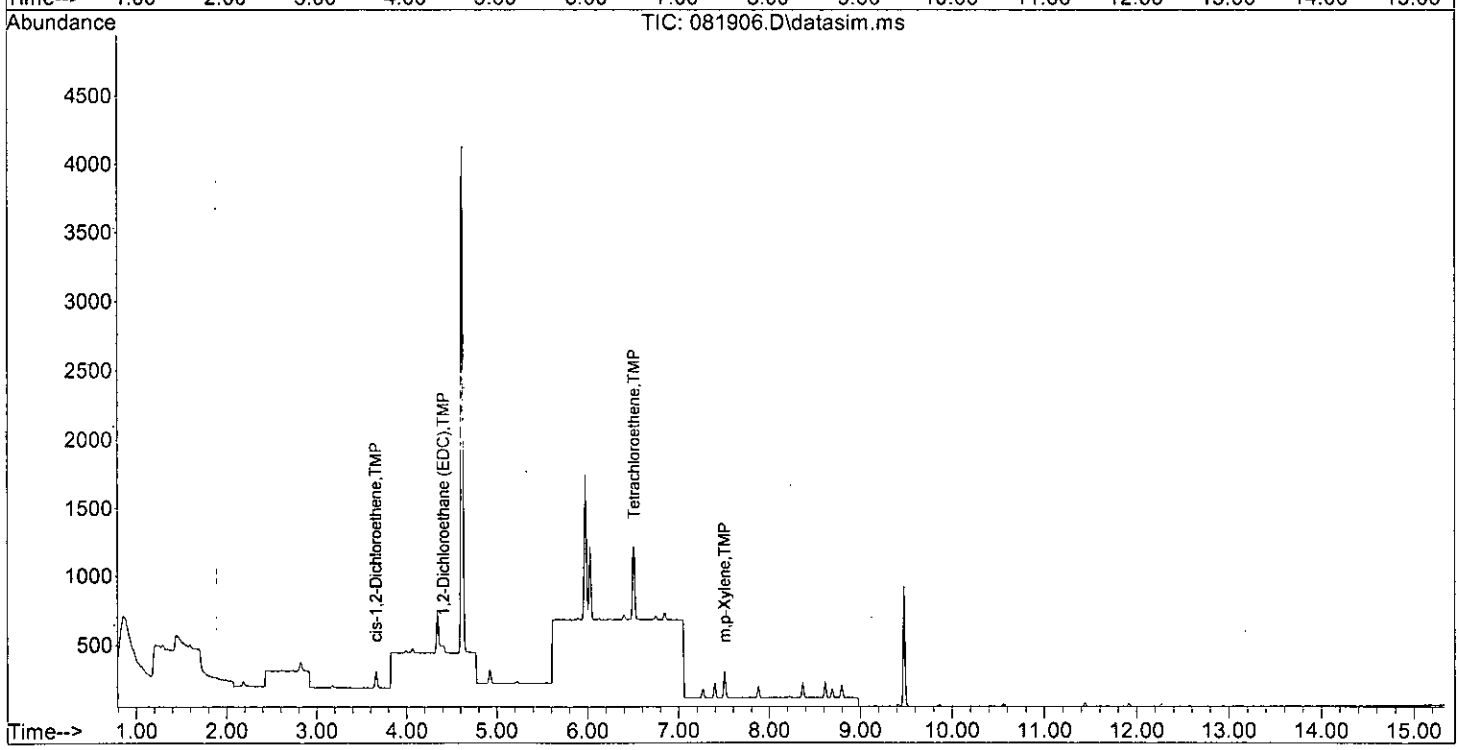
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081906.D
Acq On : 19 Aug 2022 11:29 am
Operator : LM
Sample : 02-1936 mb rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:39:03 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081916.D
Acq On : 19 Aug 2022 04:59 pm
Operator : LM
Sample : 208252-01 ms
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:24:50 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	50072	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	41125	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23737	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	14595	10.645	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.40%			
30) 1,2-Dichloroethane-d4	4.42	102	93	0.313	ppb	0.07
Spiked Amount 10.000	Range 78 - 126		Recovery = 3.10%#			
35) Toluene-d8	5.98	98	50273	10.440	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 104.40%			
57) 4-Bromofluorobenzene	8.38	95	19817	10.104	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.00%			
Target Compounds						Qvalue
4) Dichlorodifluoromethane	1.09	85	37374	9.105	ppb	99
5) Chloromethane	1.23	50	45440	10.479	ppb	94
6) Vinyl chloride	1.29	62	42984	10.747	ppb	96
7) Bromomethane	1.54	94	24395	10.295	ppb	99
8) Chloroethane	1.60	64	22189	10.968	ppb	94
9) Trichlorofluoromethane	1.80	101	52794	11.013	ppb	98
11) Acetone	2.26	58	5469	43.858	ppb	97
12) 1,1-Dichloroethene	2.19	96	14813	10.850	ppb	93
13) Hexane	3.05	57	22945	11.036	ppb	99
14) Methylene chloride	2.61	84	24661	11.707	ppb	94
15) t-Butyl alcohol (TBA)	2.74	59	8177	54.300	ppb	97
16) Methyl t-butyl ether (...	2.84	73	40336	10.693	ppb	99
17) trans-1,2-Dichloroethene	2.83	96	16144	11.179	ppb	98
18) Diisopropyl ether (DIPE)	3.24	45	46892	9.980	ppb	99
19) 1,1-Dichloroethane	3.18	63	29272	10.796	ppb	100
20) Ethyl t-butyl ether (E...	3.55	87	17198	10.421	ppb	90
21) 2,2-Dichloropropane	3.67	77	18789	12.585	ppb	93
22) cis-1,2-Dichloroethene	3.67	96	16602	10.800	ppb	99
23) Chloroform	3.94	83	26397	10.738	ppb	98
24) 2-Butanone (MEK)	3.71	43	31575	51.372	ppb	98
25) t-Amyl methyl ether (T...	4.50	73	37121	10.235	ppb	97
26) 1,2-Dichloroethane (EDC)	4.42	62	20971	10.692	ppb	98
27) 1,1,1-Trichloroethane	4.08	97	25444	11.288	ppb	97
28) 1,1-Dichloropropene	4.22	75	20024	10.751	ppb	98
29) Carbon tetrachloride	4.21	117	22215	11.363	ppb	92
31) Benzene	4.39	78	56471	10.597	ppb	97
32) Trichloroethene	4.93	95	15977	10.446	ppb	86
33) 1,2-Dichloropropane	5.13	63	14749	10.252	ppb	96
34) Bromodichloromethane	5.37	83	17992	10.298	ppb	97
36) Dibromomethane	5.23	93	8646	10.393	ppb	97
37) 4-Methyl-2-pentanone	5.91	85	10712	52.494	ppb	91
38) cis-1,3-Dichloropropene	5.75	75	20926	10.616	ppb	99
40) Toluene	6.04	92	37014	10.519	ppb	91
41) trans-1,3-Dichloropropene	6.25	75	19145	10.076	ppb	98
42) 1,1,2-Trichloroethane	6.40	83	10595	10.294	ppb	97
43) 2-Hexanone	6.64	43	49222	50.115	ppb	98

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081916.D
Acq On : 19 Aug 2022 04:59 pm
Operator : LM
Sample : 208252-01 ms
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

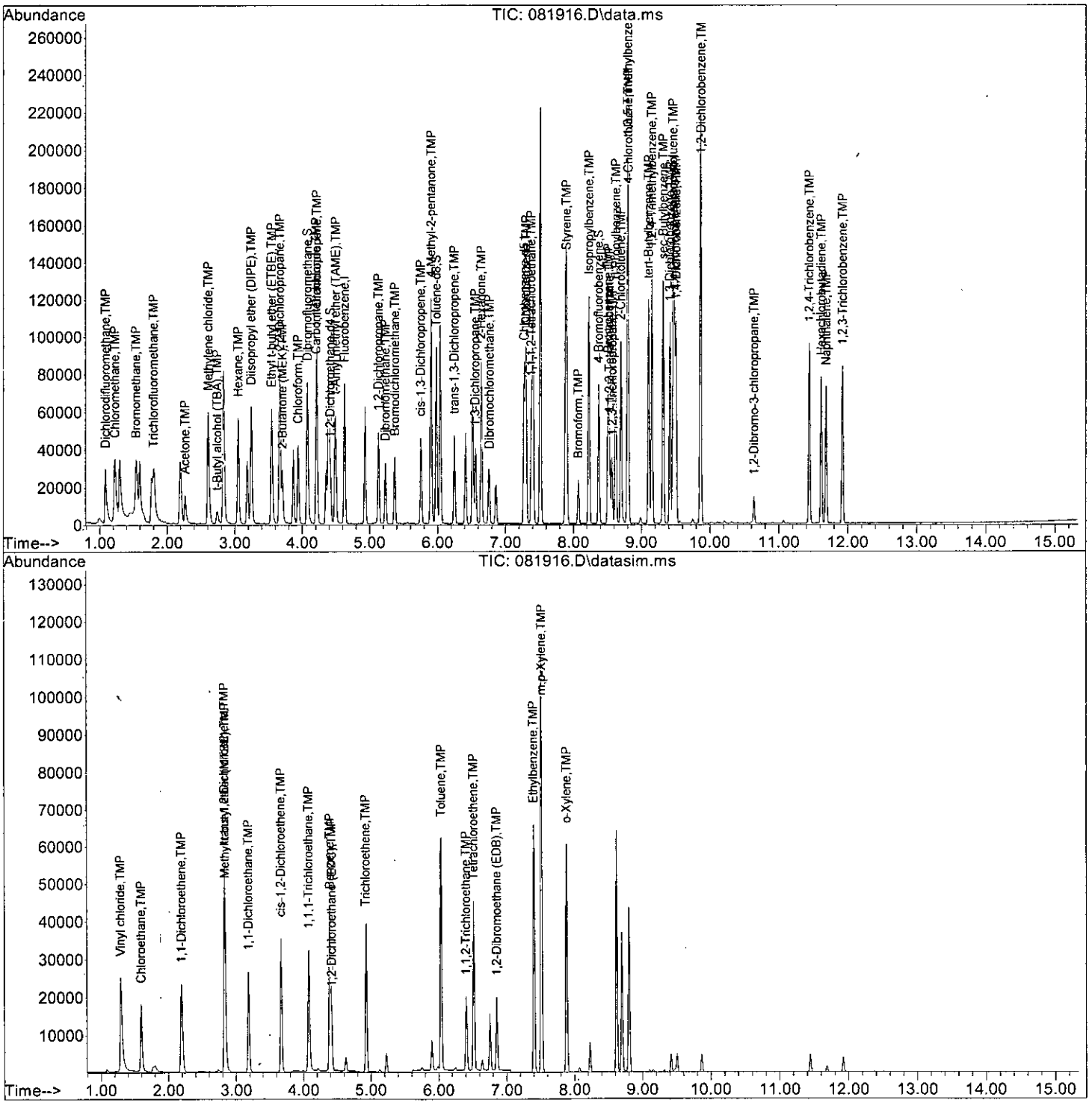
Quant Time: Aug 22 10:24:50 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 1,3-Dichloropropane	6.55	76	19320	10.577	ppb	98
45] Tetrachloroethene	6.51	164	15793	11.007	ppb	98
46) Dibromochloromethane	6.76	129	14611	10.555	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	13434	10.406	ppb	99
48) Chlorobenzene	7.30	112	41817	10.411	ppb	99
49] Ethylbenzene	7.40	91	72612	11.030	ppb	98
50) 1,1,1,2-Tetrachloroethane	7.38	131	14968	10.336	ppb	95
51] m,p-Xylene	7.52	106	57239	22.426	ppb	100
52] o-Xylene	7.88	106	27923	11.023	ppb	99
53) Styrene	7.90	104	44939	11.042	ppb	99
54) Isopropylbenzene	8.23	105	69001	10.426	ppb	93
55) Bromoform	8.07	173	9124	9.724	ppb	99
58) n-Propylbenzene	8.63	91	80493	10.660	ppb	96
59) Bromobenzene	8.52	156	20117	10.715	ppb	93
60) 1,3,5-Trimethylbenzene	8.80	105	58511	10.454	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.53	83	16434	10.682	ppb	93
62) 1,2,3-Trichloropropane	8.57	75	11909	11.019	ppb	97
63) 2-Chlorotoluene	8.70	91	47689	10.665	ppb	100
64) 4-Chlorotoluene	8.81	91	55563	10.744	ppb	99
65) tert-Butylbenzene	9.10	119	51780	10.356	ppb	94
66) 1,2,4-Trimethylbenzene	9.15	105	63494	11.024	ppb	99
67) sec-Butylbenzene	9.32	105	77249	10.578	ppb	97
68) p-Isopropyltoluene	9.46	119	68703	10.883	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	38004	10.770	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	37863	11.006	ppb	99
71) 1,2-Dichlorobenzene	9.87	146	36102	10.464	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.64	75	2792	10.097	ppb	86
73) 1,2,4-Trichlorobenzene	11.44	180	28043	10.730	ppb	98
74) Hexachlorobutadiene	11.61	225	15595	10.830	ppb	95
75) Naphthalene	11.69	128	52217	10.437	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	24079	10.285	ppb	100

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

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081916.D
Acq On : 19 Aug 2022 04:59 pm
Operator : LM
Sample : 208252-01 ms
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:24:50 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081919.D
Acq On : 19 Aug 2022 06:07 pm
Operator : LM
Sample : 208252-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:27:37 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

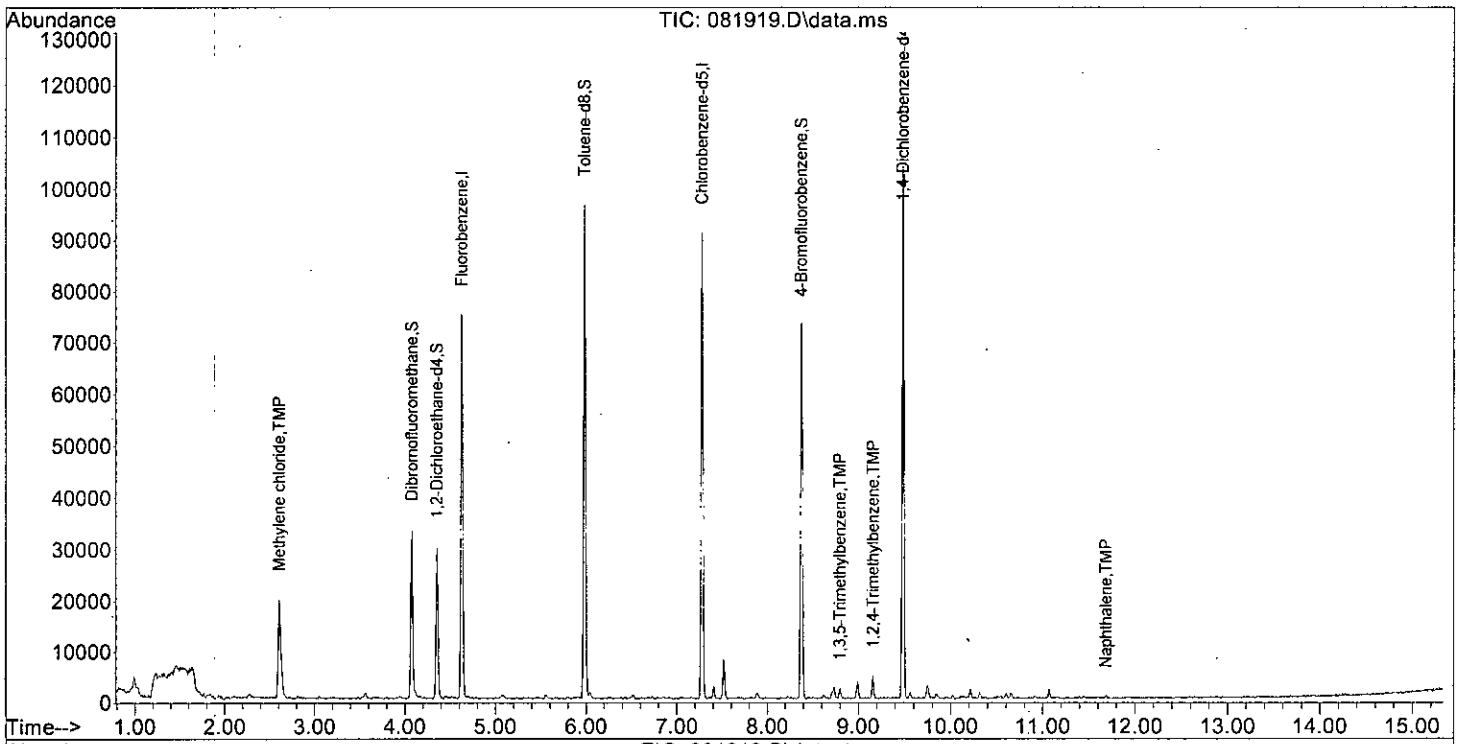
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	51113	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	42531	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	24949	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	14782	10.562 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.60%		
30) 1,2-Dichloroethane-d4	4.36	102	2895	9.553 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 95.50%		
35) Toluene-d8	5.98	98	50639	10.301 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.00%		
57) 4-Bromofluorobenzene	8.38	95	20317	9.856 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 98.60%		
Target Compounds					Qvalue
14) Methylene chloride	2.61	84	9318	1.498 ppb	97
21) 2,2-Dichloropropane	3.65	77	64	Below Cal	48
24) 2-Butanone (MEK)	3.71	43	79	Below Cal	59
40] Toluene	6.04	92	373	0.035 ppb	93
45] Tetrachloroethene	6.51	164	173	0.086 ppb	95
49] Ethylbenzene	7.41	91	1425	0.199 ppb	89
51] m,p-Xylene	7.52	106	1828	0.669 ppb	87
52] o-Xylene	7.88	106	340	0.119 ppb	92
60) 1,3,5-Trimethylbenzene	8.80	105	894	0.152 ppb	86
66) 1,2,4-Trimethylbenzene	9.16	105	2113	0.349 ppb	93
75) Naphthalene	11.69	128	446	0.085 ppb	68

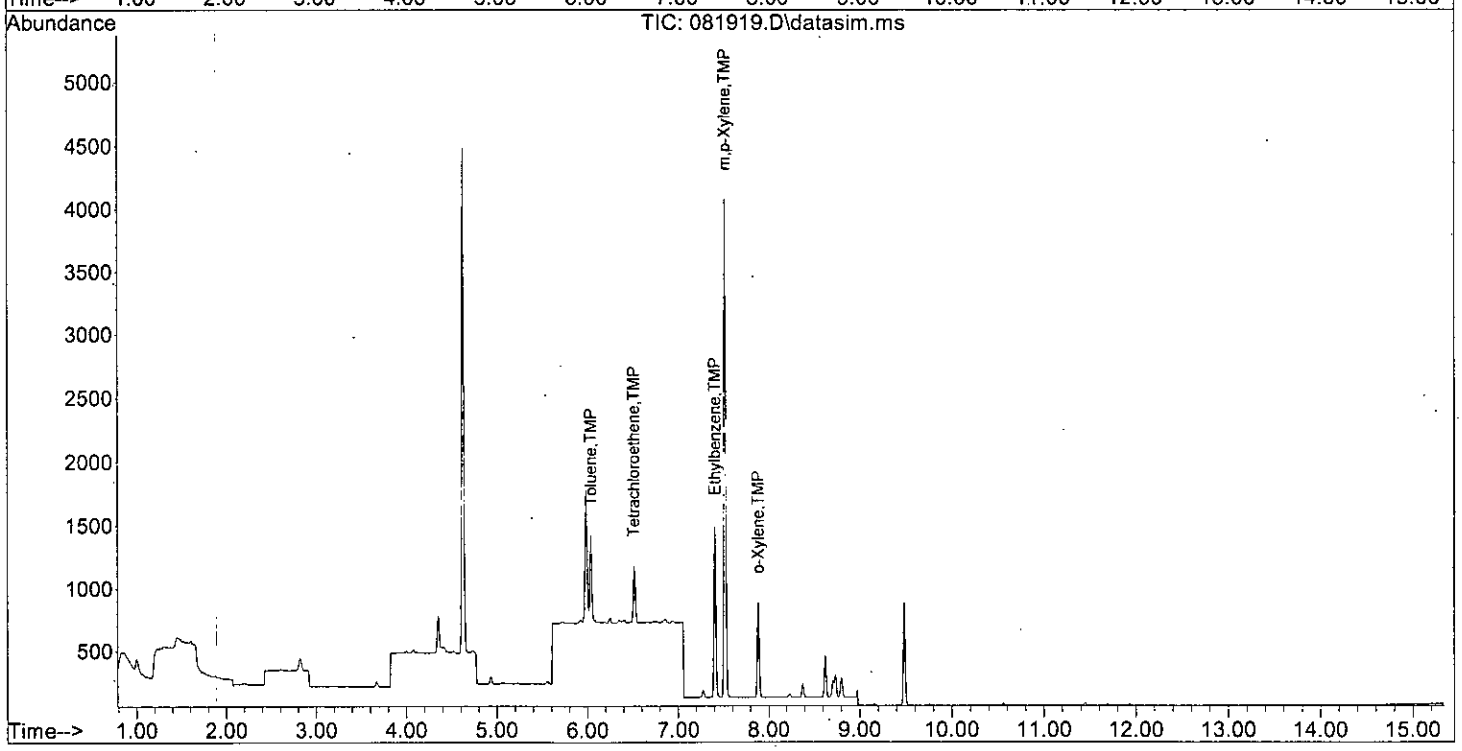
(#) = qualifier out of range (m) = manual integration (+) = signals summed

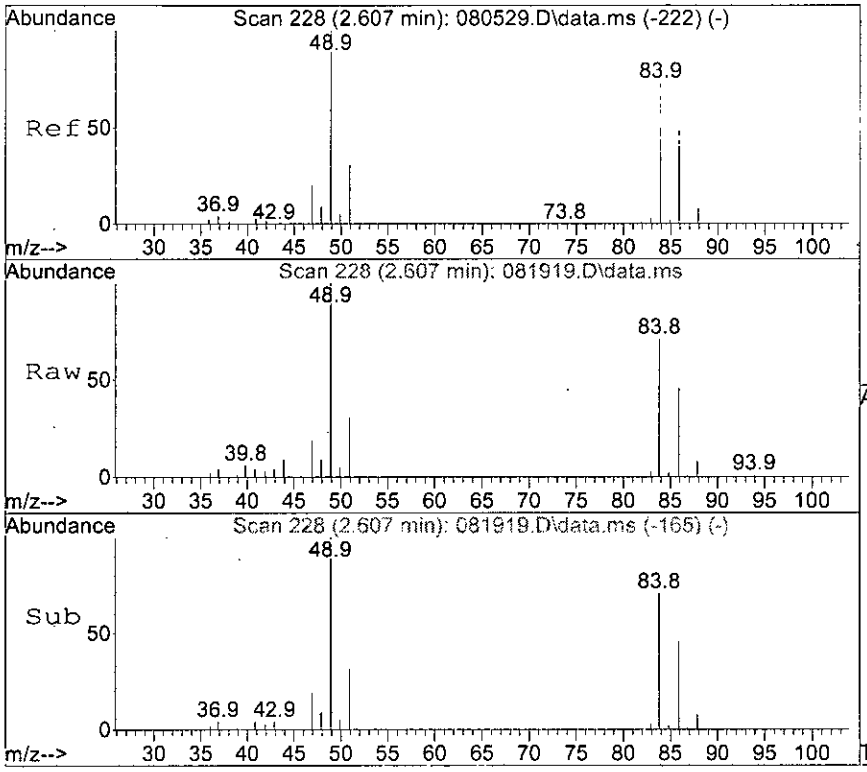
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081919.D
Acq On : 19 Aug 2022 06:07 pm
Operator : LM
Sample : 208252-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:27:37 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



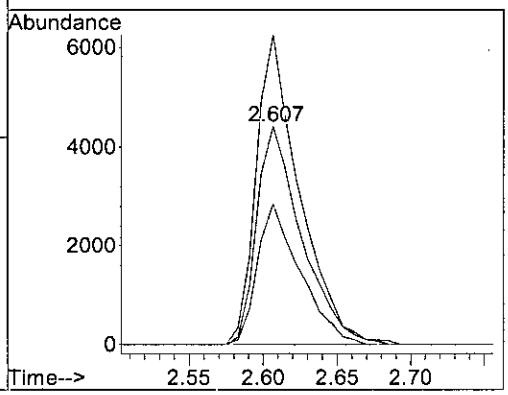


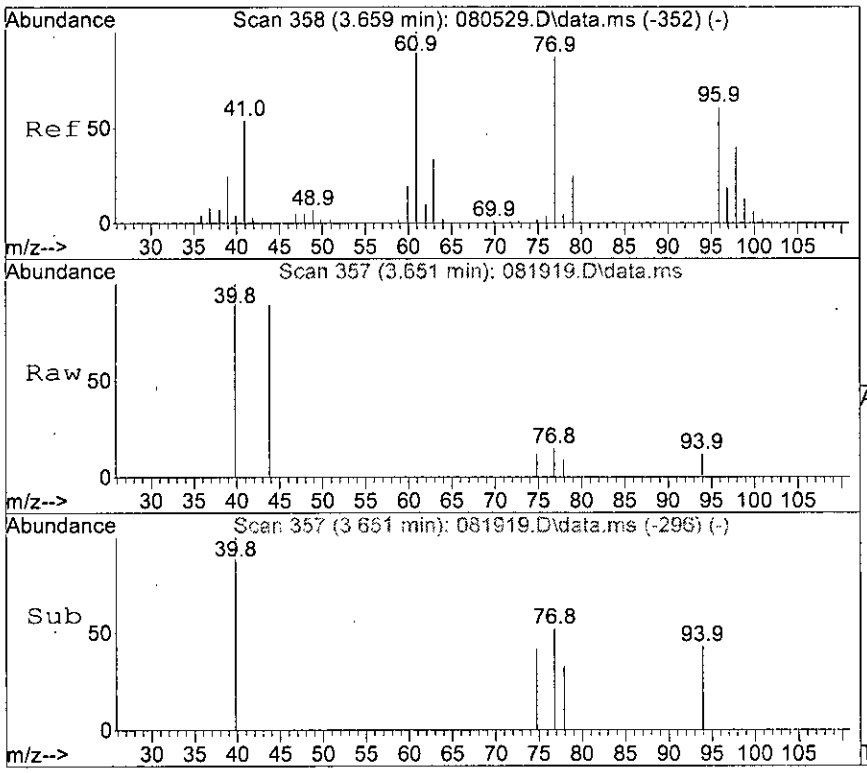


#14
Methylene chloride
Concen: 1.498 ppb
RT: 2.61 min Scan# 228
Delta R.T. 0.008 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion: 84 Resp: 9318

Ion	Ratio	Lower	Upper
84	100		
86	64.6	38.7	98.7
49	141.6	114.1	174.1

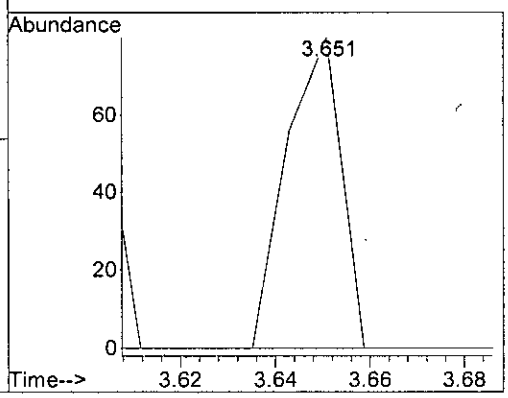


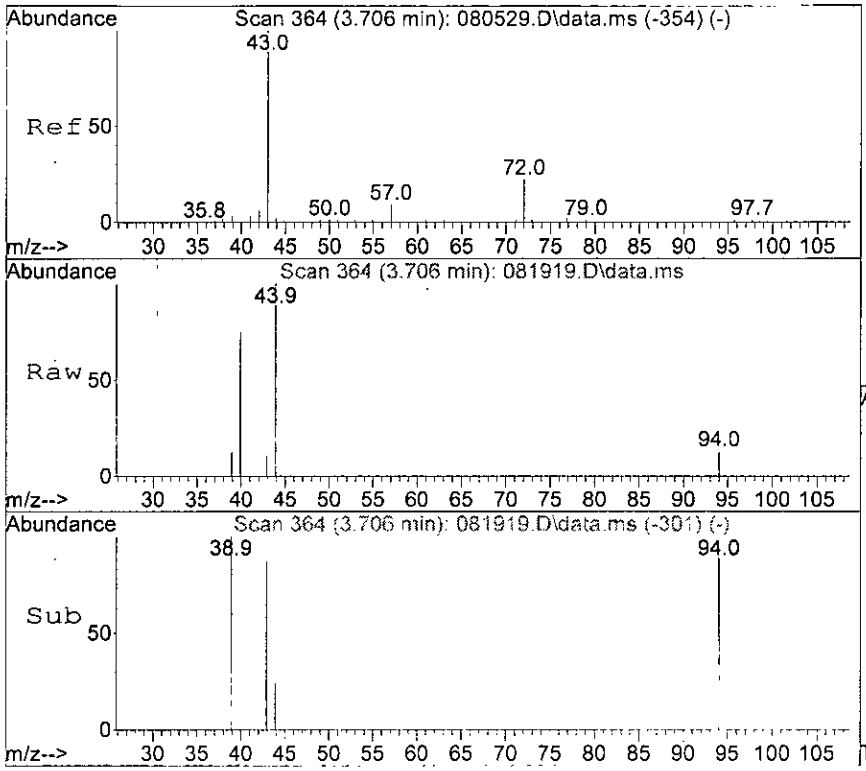


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.65 min Scan# 357
Delta R.T. -0.008 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion: 77 Resp: 64

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	56.8

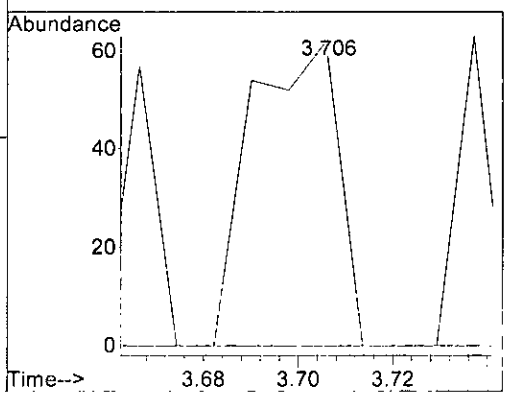


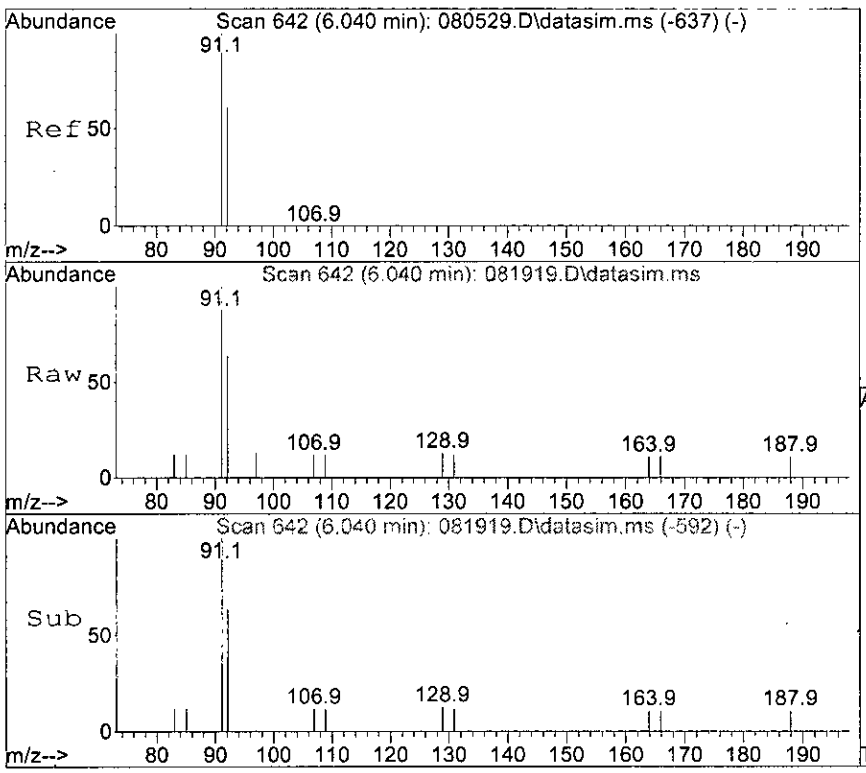


#24
2-Butanone (MEK)
Concen: Below Cal
RT: 3.71 min Scan# 364
Delta R.T. 0.008 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion: 43 Resp: 79

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	53.3
57	0.0	0.0	28.3

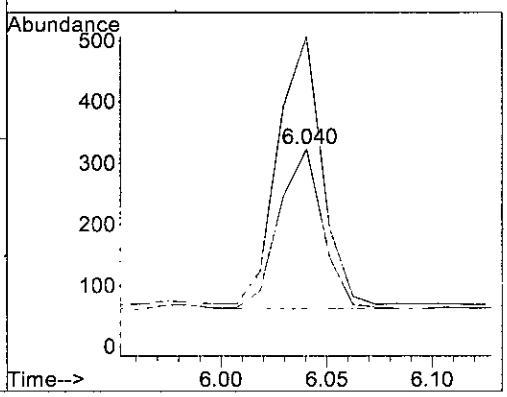


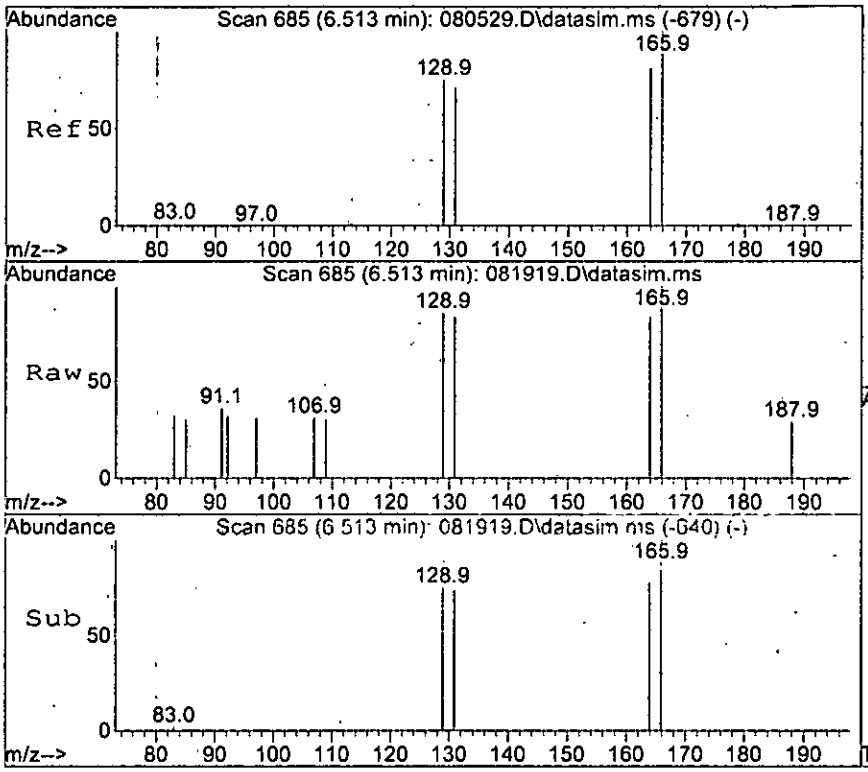


#40
Toluene
Concen: 0.035 ppb
RT: 6.04 min Scan# 642
Delta R.T. 0.011 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion: 92 Resp: 373

Ion	Ratio	Lower	Upper
92	100		
91	167.7	147.4	207.4

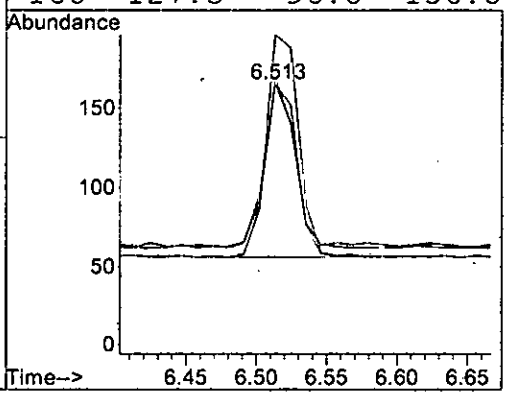


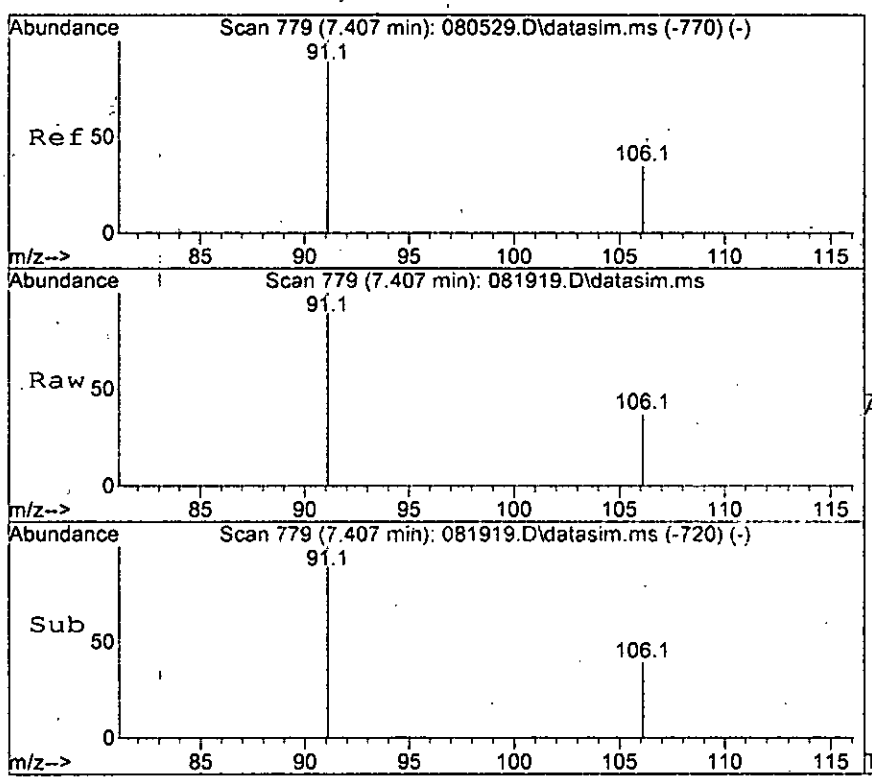


#45
Tetrachloroethene
Concen: 0.086 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion:164 Resp: 173

Ion	Ratio	Lower	Upper
164	100		
129	97.2	60.3	120.3
131	94.5	57.0	117.0
166	127.5	96.8	156.8

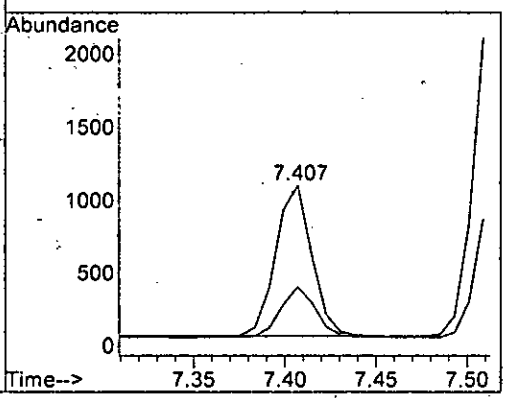


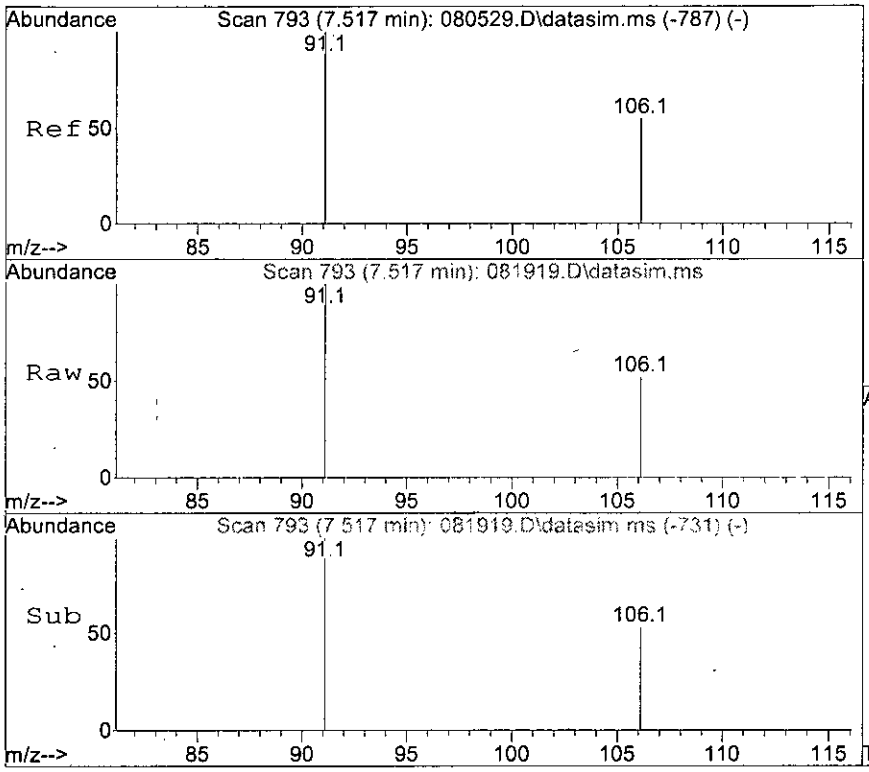


#49
Ethylbenzene
Concen: 0.199 ppb
RT: 7.41 min Scan# 779
Delta R.T. 0.008 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion: 91 Resp: 1425

Ion	Ratio	Lower	Upper
91	100		
106	33.2	0.0	57.3

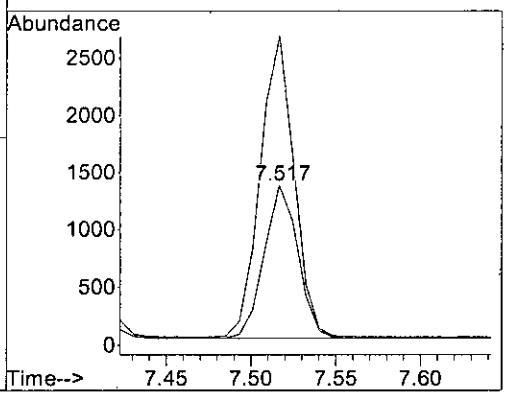


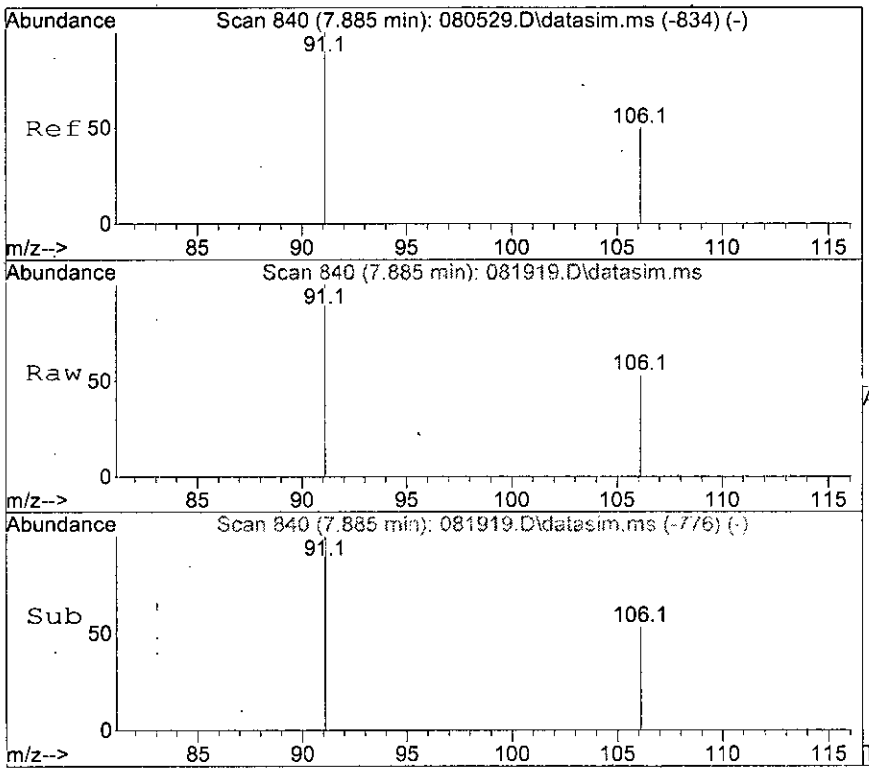


#51
m,p-Xylene
Concen: 0.669 ppb
RT: 7.52 min Scan# 793
Delta R.T. -0.000 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion:106 Resp: 1828

Ion	Ratio	Lower	Upper
106	100		
91	197.4	148.7	208.7

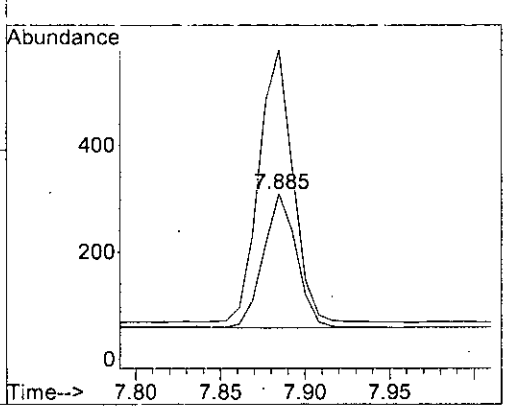


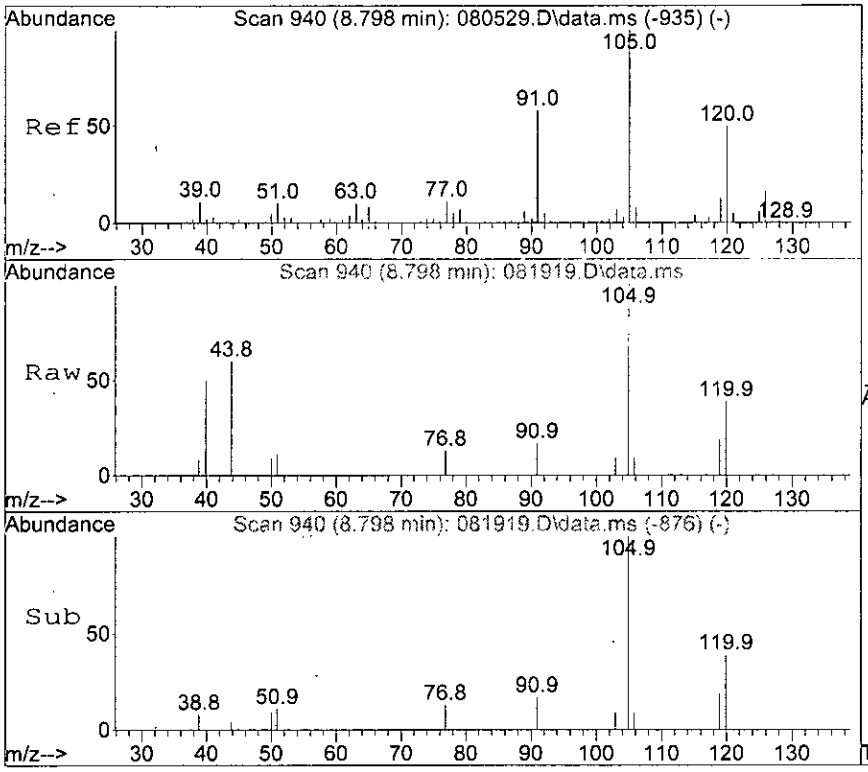


#52
o-Xylene
Concen: 0.119 ppb
RT: 7.88 min Scan# 840
Delta R.T. -0.000 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion:106 Resp: 340

Ion	Ratio	Lower	Upper
106	100		
91	205.6	164.0	224.0

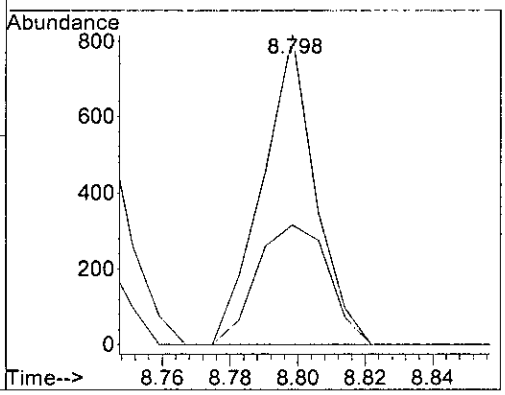


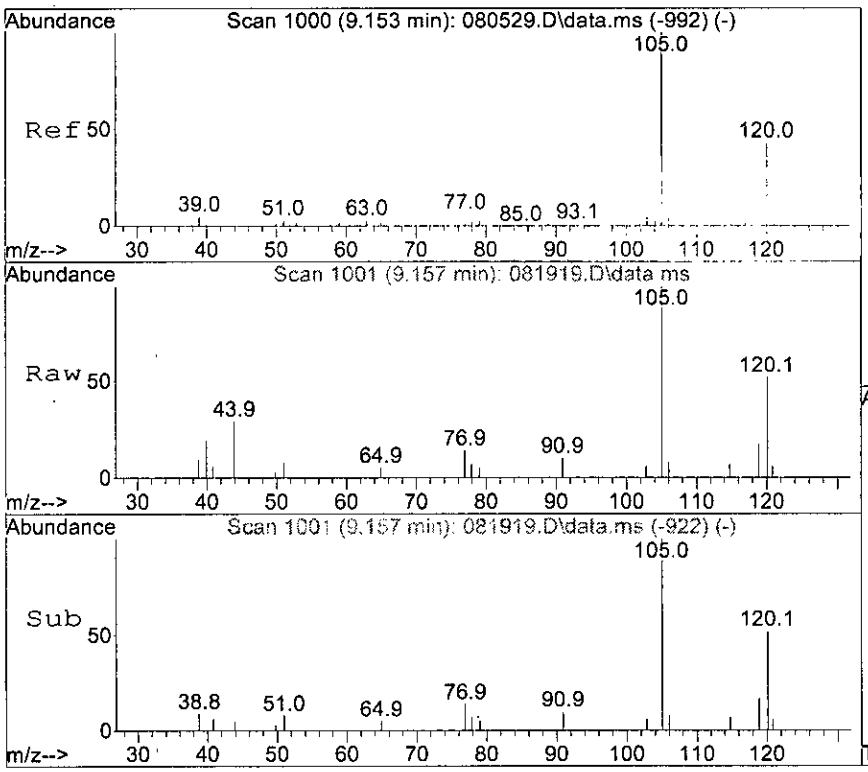


#60
1,3,5-Trimethylbenzene
Concen: 0.152 ppb
RT: 8.80 min Scan# 940
Delta R.T. 0.000 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion:105 Resp: 894

Ion	Ratio	Lower	Upper
105	100		
120	38.6	18.4	78.4

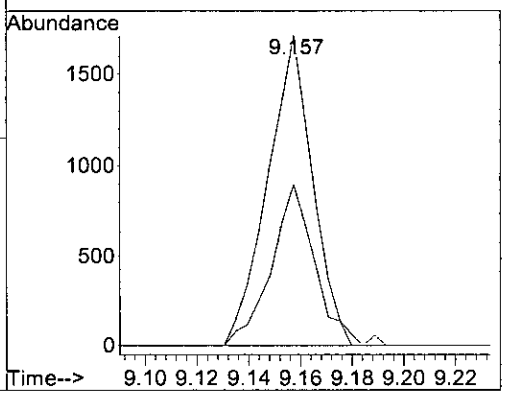


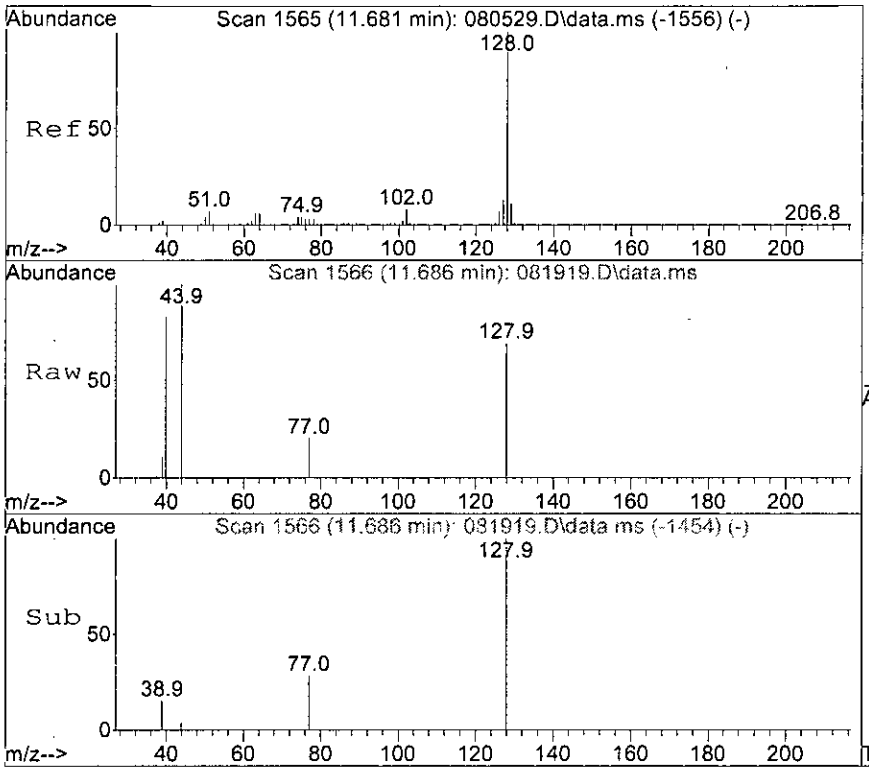


#66
1,2,4-Trimethylbenzene
Concen: 0.349 ppb
RT: 9.16 min Scan# 1001
Delta R.T. 0.000 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion:105 Resp: 2113

Ion	Ratio	Lower	Upper
105	100		
120	52.3	17.8	77.8

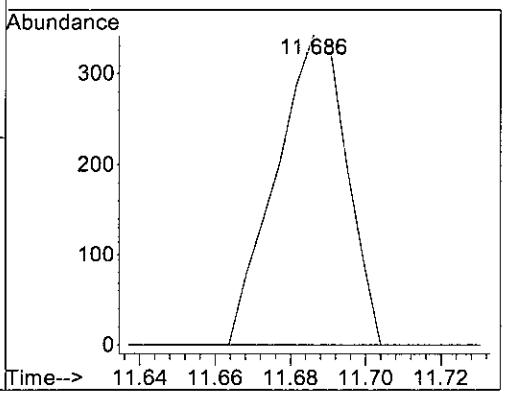




#75
Naphthalene
Concen: 0.085 ppb
RT: 11.69 min Scan# 1566
Delta R.T. 0.000 min
Lab File: 081919.D
Acq: 19 Aug 2022 06:07 pm

Tgt Ion:128 Resp: 446

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.6
127	0.0	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081919.D
Acq On : 19 Aug 2022 06:07 pm
Operator : LM
Sample : 208252-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:27:37 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	51113	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	42531	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	24949	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	14782	10.562 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.60%		
30) 1,2-Dichloroethane-d4	4.36	102	2895	9.553 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 95.50%		
35) Toluene-d8	5.98	98	50639	10.301 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.00%		
57) 4-Bromofluorobenzene	8.38	95	20317	9.856 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 98.60%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.23	50	1698	N.D.	
6) Vinyl chloride	0.00		0	N.D.	
7) Bromomethane	0.00		0	N.D. d	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	2.28	58	232	N.D.	
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	3.05	57	67	N.D.	
14) Methylene chloride	2.61	84	9318	1.498 ppb	97
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	3.65	77	64	Below Cal	48
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	3.94	83	155	N.D.	
24) 2-Butanone (MEK)	3.71	43	79	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26) 1,2-Dichloroethane (EDC)	4.42	62	57	N.D.	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	4.39	78	62	N.D.	
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.04	92	373	0.035 ppb	93
41) trans-1,3-Dichloropropene	0.00		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081919.D
Acq On : 19 Aug 2022 06:07 pm
Operator : LM
Sample : 208252-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:27:37 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

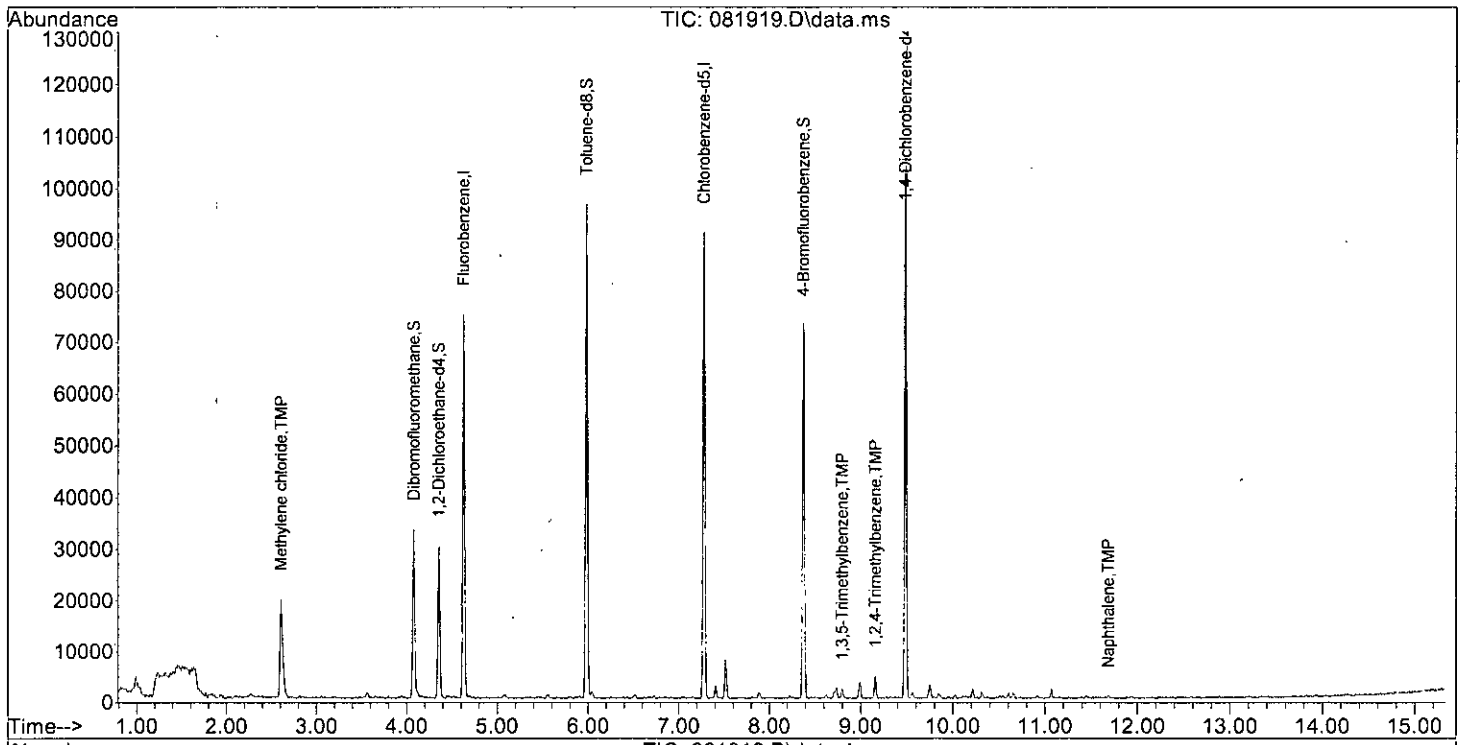
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	1,1,2-Trichloroethane	0.00		0	N.D.			
43)	2-Hexanone	6.74	43	84	N.D.			
44)	1,3-Dichloropropane	0.00		0	N.D.			
45]	Tetrachloroethene	6.51	164	173	0.086	ppb		95
46)	Dibromochloromethane	0.00		0	N.D.			
47)	1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48)	Chlorobenzene	0.00		0	N.D.			
49]	Ethylbenzene	7.41	91	1425	0.199	ppb		89
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51]	m,p-Xylene	7.52	106	1828	0.669	ppb		87
52]	o-Xylene	7.88	106	340	0.119	ppb		92
53)	Styrene	0.00		0	N.D.			
54)	Isopropylbenzene	8.23	105	248	N.D.			
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	8.62	91	503	N.D.			
59)	Bromobenzene	0.00		0	N.D.			
60)	1,3,5-Trimethylbenzene	8.80	105	894	0.152	ppb		86
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62)	1,2,3-Trichloropropane	0.00		0	N.D.	d		
63)	2-Chlorotoluene	8.70	91	222	N.D.			
64)	4-Chlorotoluene	8.80	91	216	N.D.			
65)	tert-Butylbenzene	9.16	119	318	N.D.			
66)	1,2,4-Trimethylbenzene	9.16	105	2113	0.349	ppb		93
67)	sec-Butylbenzene	9.32	105	154	N.D.			
68)	p-Isopropyltoluene	9.46	119	113	N.D.			
69)	1,3-Dichlorobenzene	9.51	146	65	N.D.			
70)	1,4-Dichlorobenzene	9.51	146	65	N.D.			
71)	1,2-Dichlorobenzene	0.00		0	N.D.			
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	11.45	180	67	N.D.			
74)	Hexachlorobutadiene	0.00		0	N.D.			
75)	Naphthalene	11.69	128	446	0.085	ppb		68
76)	1,2,3-Trichlorobenzene	11.93	180	52	N.D.			

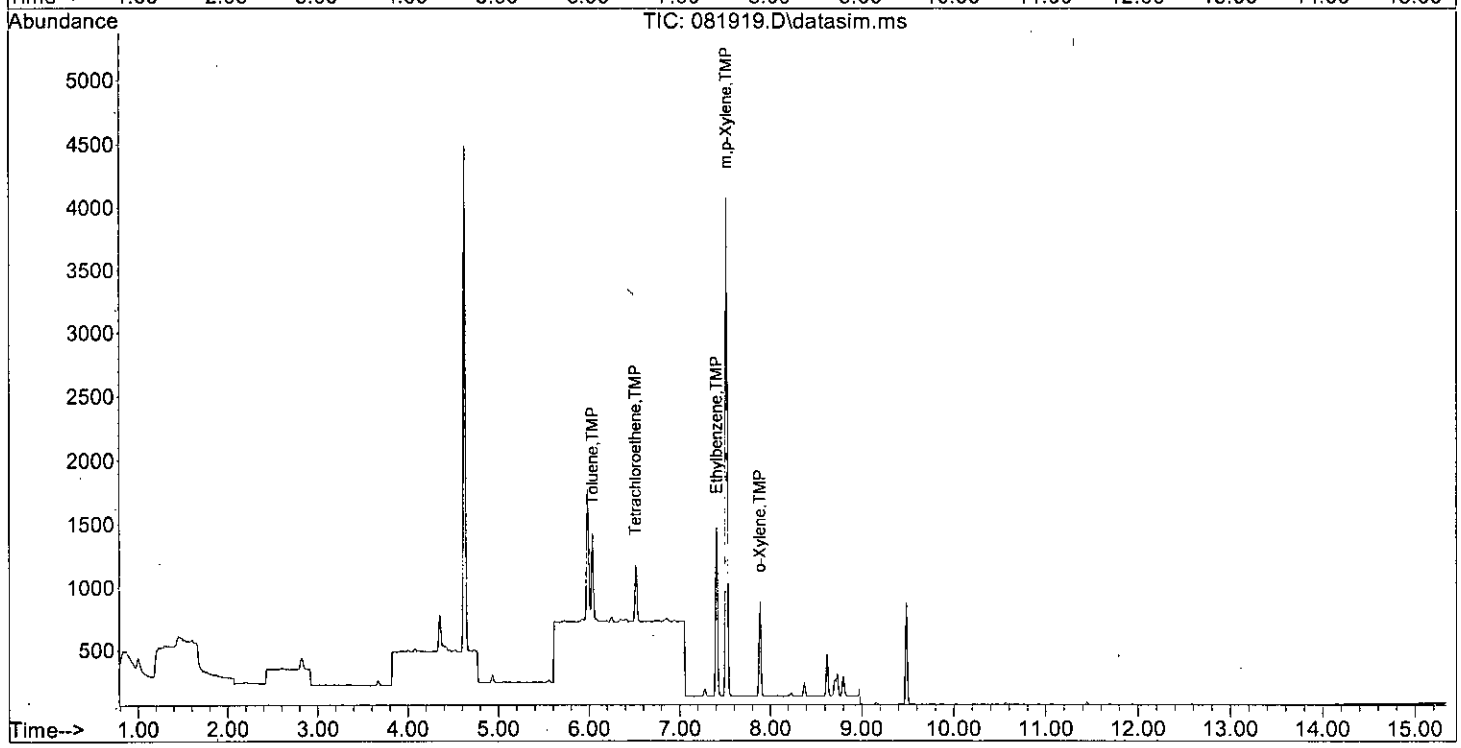
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081919.D
Acq On : 19 Aug 2022 06:07 pm
Operator : LM
Sample : 208252-01
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:27:37 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



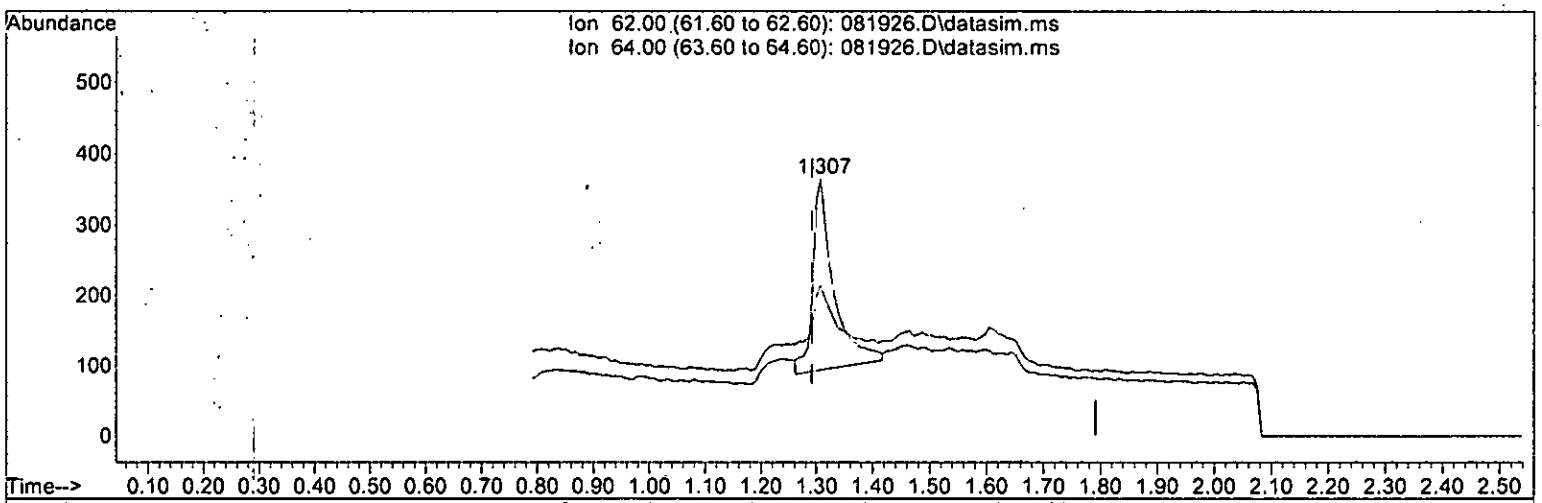


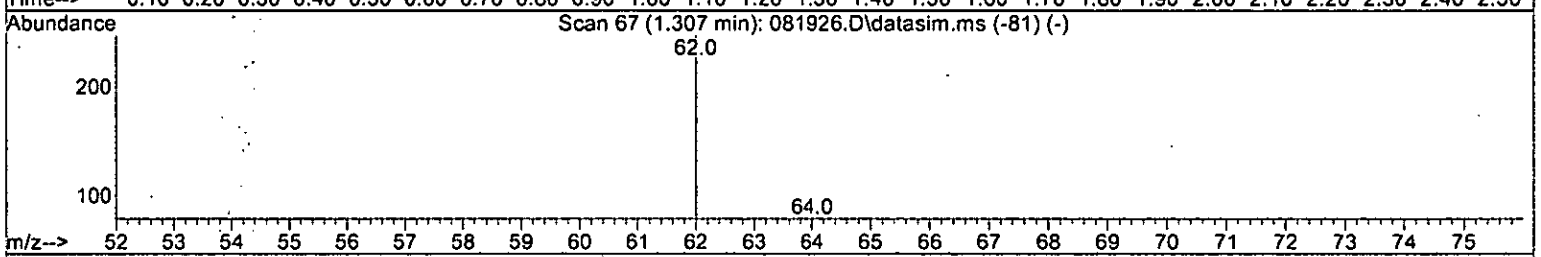
EPA 8260D
Sample Data

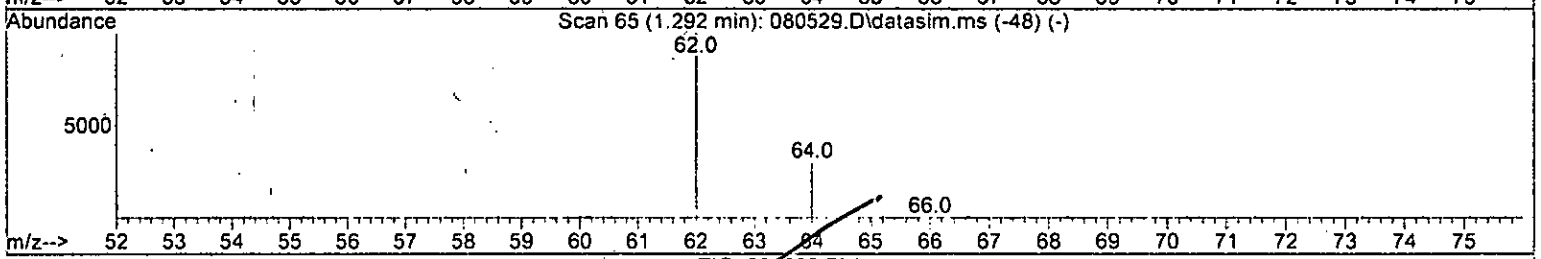
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081926.D
Acq On : 19 Aug 2022 08:44 pm
Operator : LM
Sample : 208257-01
Misc : water
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:25:06 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081926.D\data.ms

(6) Vinyl chloride (TMP)

1.307min (+ 0.015) 0.176 ppb

response 719

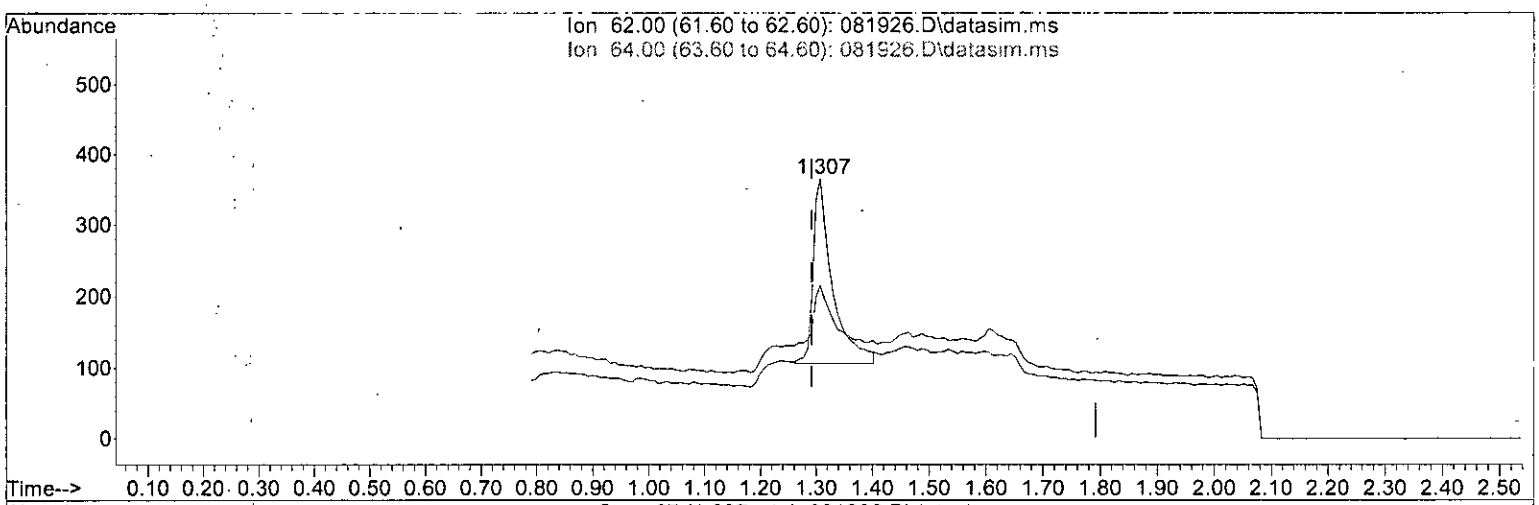
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	32.68
0.00	0.00	0.00
0.00	0.00	0.00

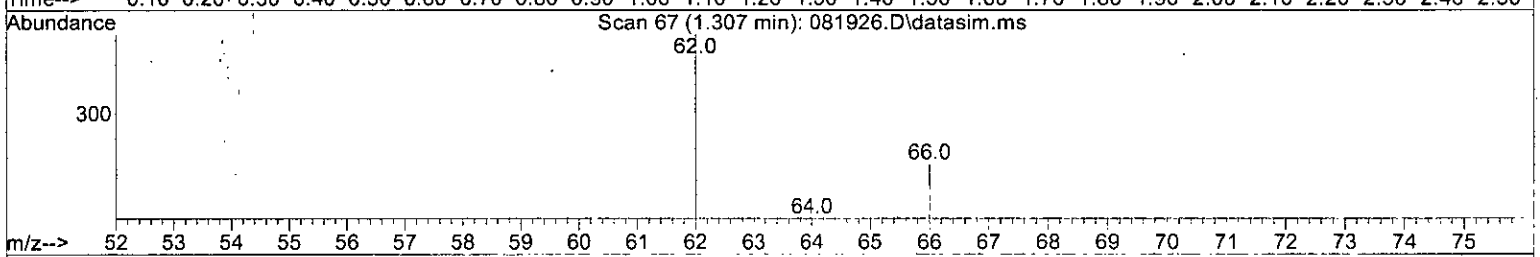
m 8.22.22

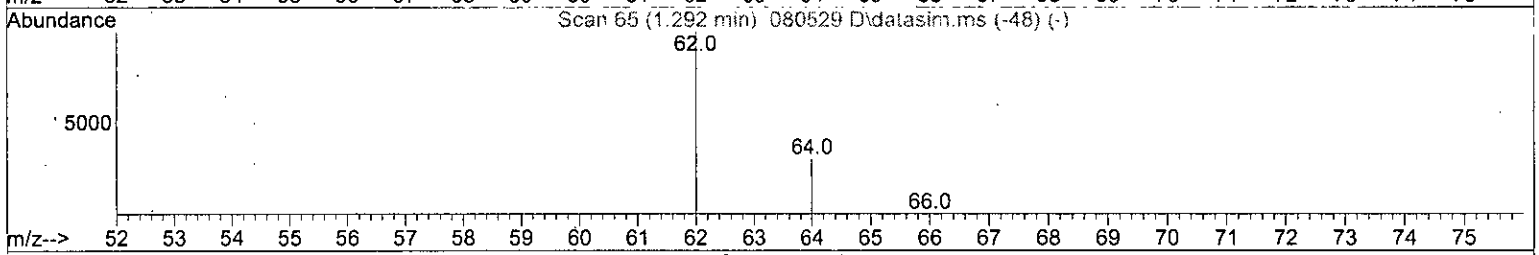
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081926.D
Acq On : 19 Aug 2022 08:44 pm
Operator : LM
Sample : 208257-01
Misc : water
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 10:25:06 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081926.D\data.ms

(6) Vinyl chloride (TMP)

1.307min (+ 0.015) 0.155 ppb m

response 632

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	58.90
0.00	0.00	0.00
0.00	0.00	0.00

LM 8.22.22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081926.D
Acq On : 19 Aug 2022 08:44 pm
Operator : LM
Sample : 208257-01
Misc : water
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 11:07:03 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

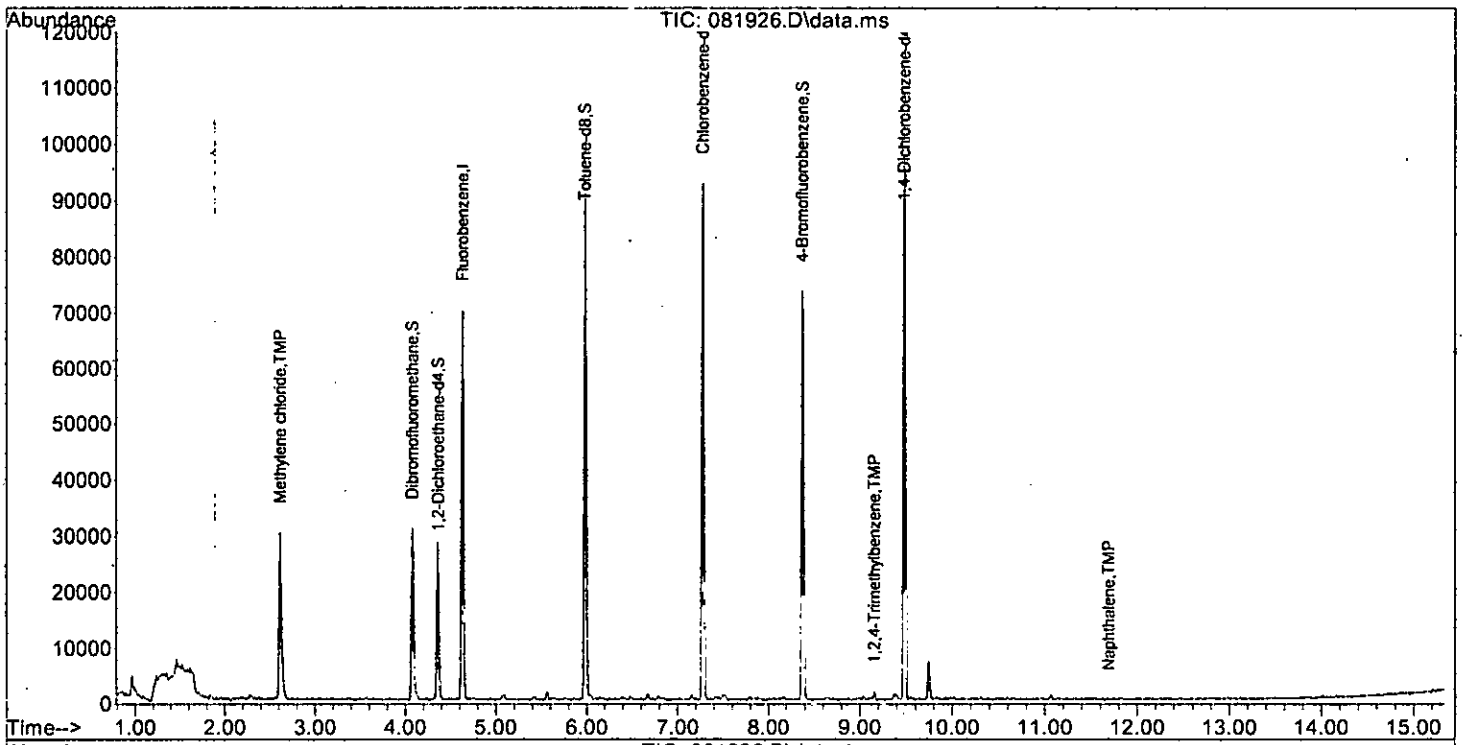
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	51155	10.000	ppb	0.02
39) Chlorobenzene-d5	7.28	117	42813	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23575	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	14554	10.390	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.90%			
30) 1,2-Dichloroethane-d4	4.37	102	2863	9.439	ppb	0.02
Spiked Amount 10.000	Range 78 - 126		Recovery = 94.40%			
35) Toluene-d8	5.98	98	49842	10.131	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 101.30%			
57) 4-Bromofluorobenzene	8.38	95	20302	10.422	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 104.20%			
Target Compounds						Qvalue
6] Vinyl chloride	1.31	62	632m	0.155	ppb	
14) Methylene chloride	2.61	84	12116	3.279	ppb	96
19] 1,1-Dichloroethane	3.19	63	117	0.042	ppb	99
31] Benzene	4.39	78	180	0.026	ppb	99
40] Toluene	6.04	92	324	0.021	ppb	100
45] Tetrachloroethene	6.51	164	90	0.029	ppb	95
49] Ethylbenzene	7.41	91	196	0.019	ppb	89
51] m,p-Xylene	7.52	106	163	0.038	ppb	85
52] o-Xylene	7.88	106	104	0.029	ppb	95
66) 1,2,4-Trimethylbenzene	9.16	105	716	0.125	ppb	79
75) Naphthalene	11.69	128	260	0.052	ppb	68

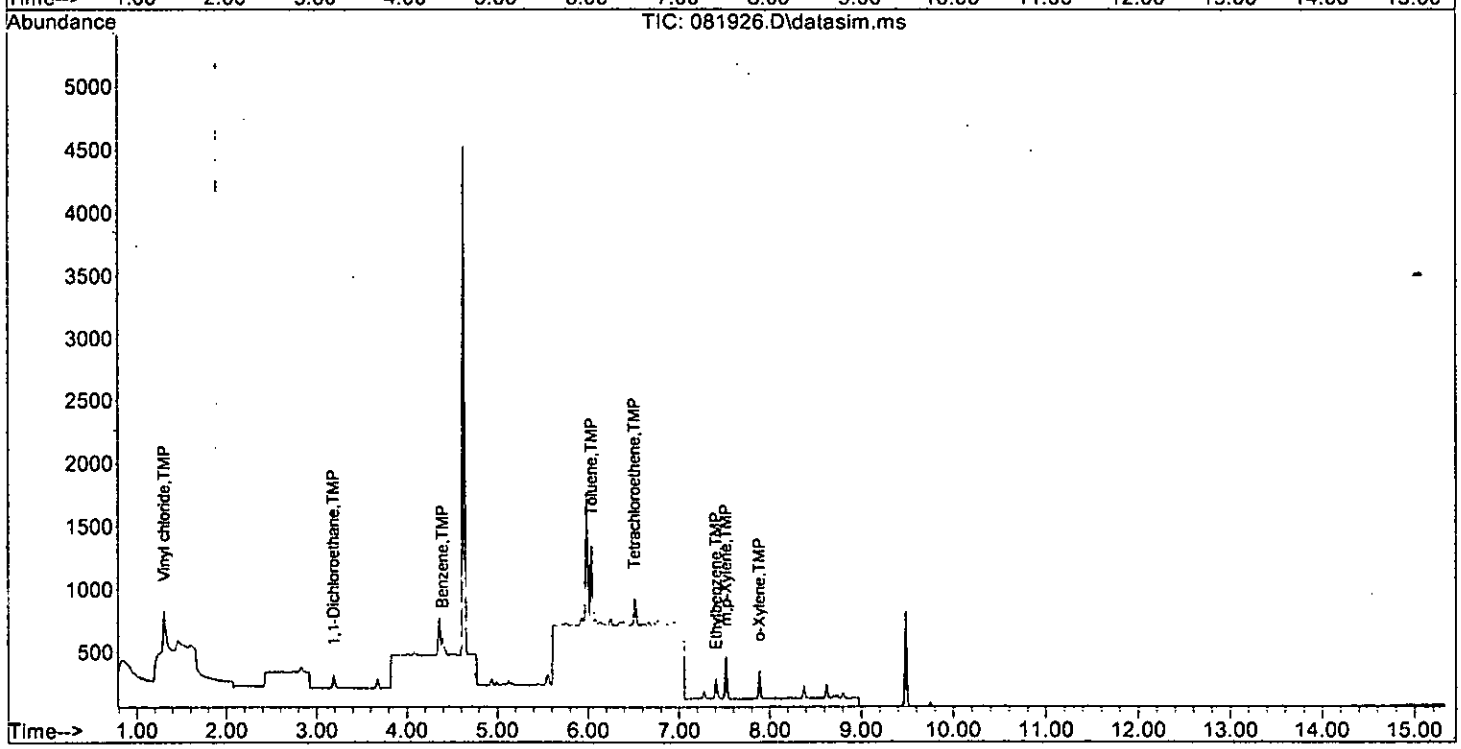
(#) = qualifier out of range (m) = manual integration (+) = signals summed

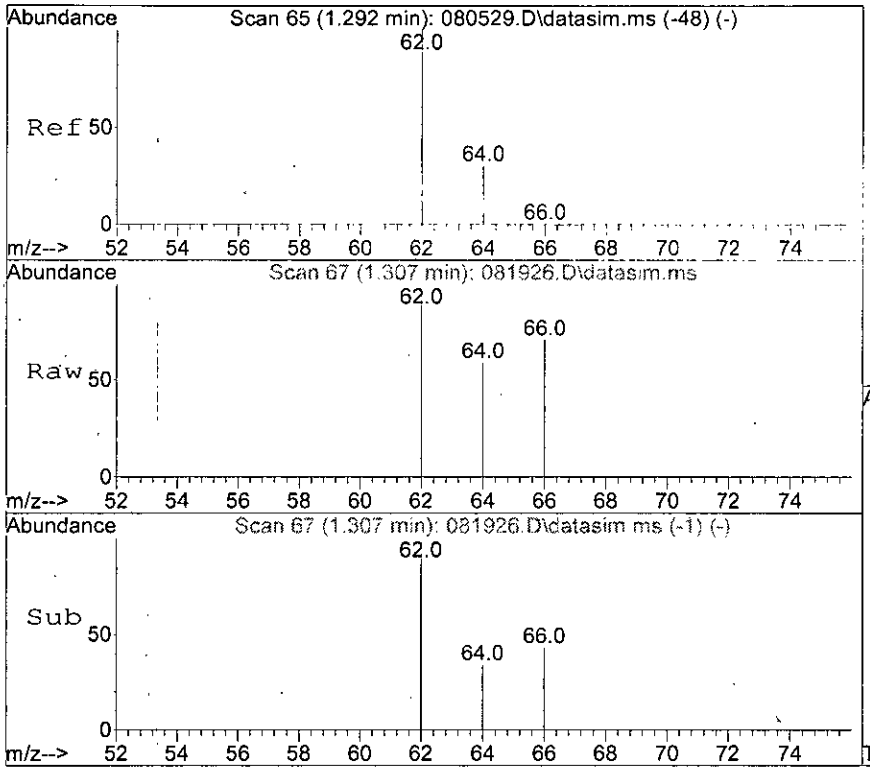
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081926.D
Acq On : 19 Aug 2022 08:44 pm
Operator : LM
Sample : 208257-01
Misc : water
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 11:07:03 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



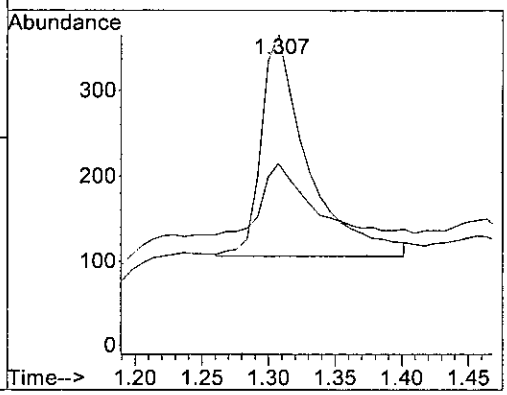


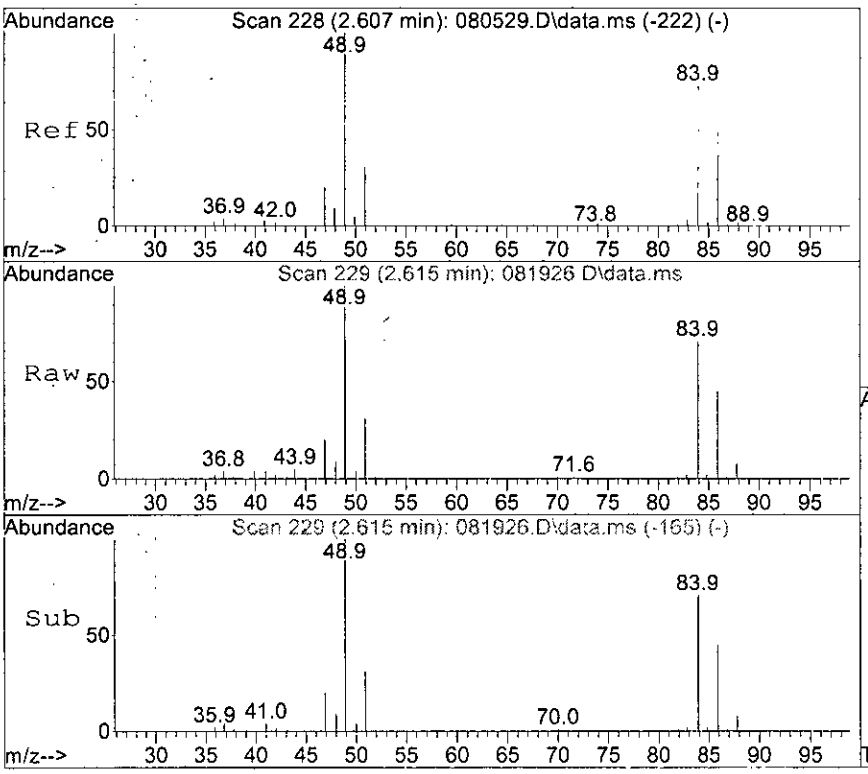


#6
Vinyl chloride
Concen: 0.155 ppb m
RT: 1.31 min Scan# 67
Delta R.T. 0.015 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion: 62 Resp: 632

Ion	Ratio	Lower	Upper
62	100		
64	58.9	1.6	61.6

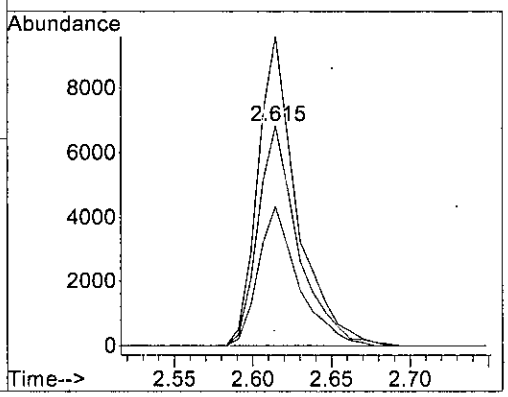


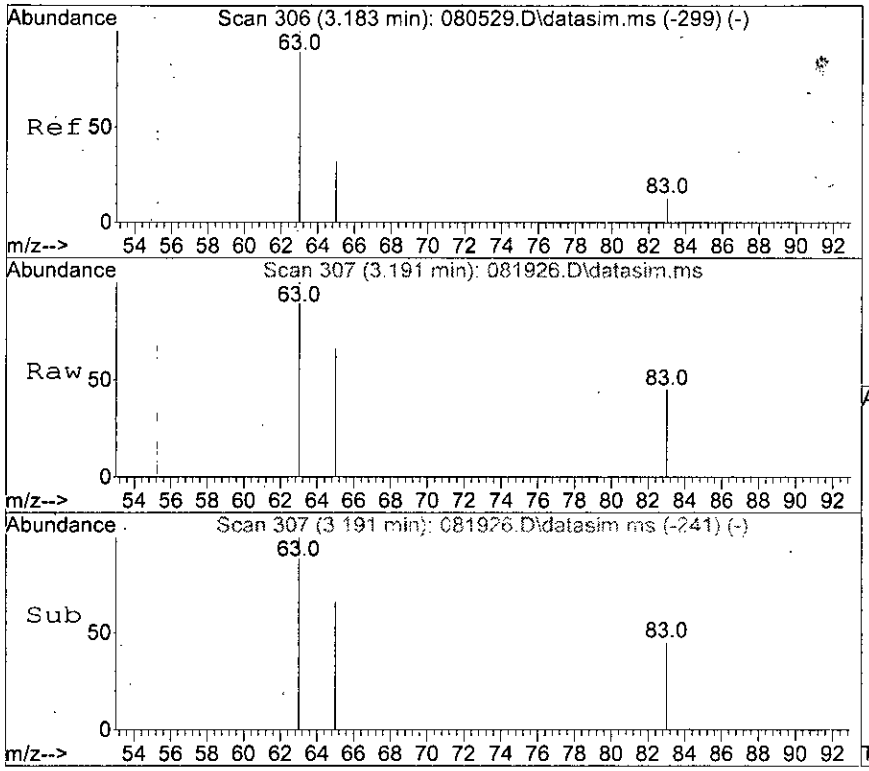


#14
Methylene chloride
Concen: 3.279 ppb
RT: 2.61 min Scan# 229
Delta R.T. 0.016 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion: 84 Resp: 12116

Ion	Ratio	Lower	Upper
84	100		
86	63.5	38.7	98.7
49	140.4	114.1	174.1

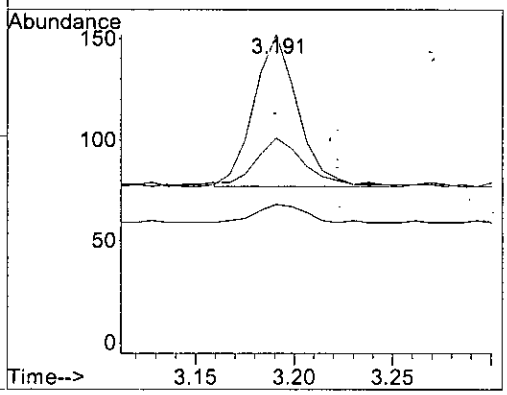


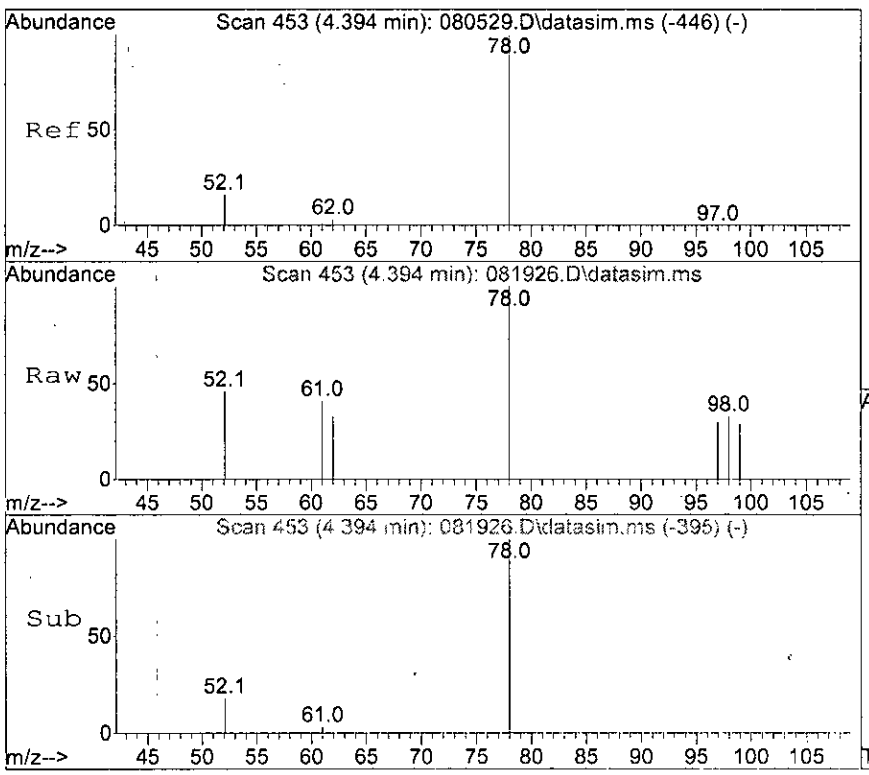


#19
1,1-Dichloroethane
Concen: 0.042 ppb
RT: 3.19 min Scan# 307
Delta R.T. 0.016 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion: 63 Resp: 117

Ion	Ratio	Lower	Upper
63	100		
65	30.7	1.1	61.1
83	12.0	0.0	42.4

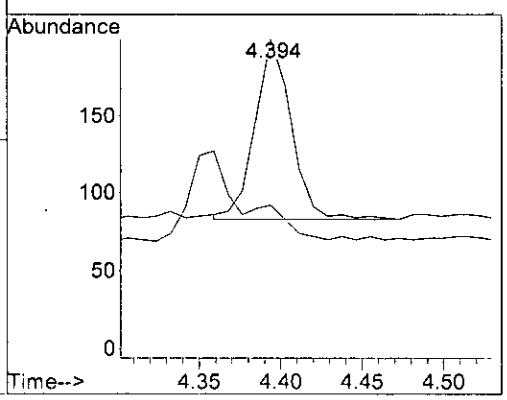


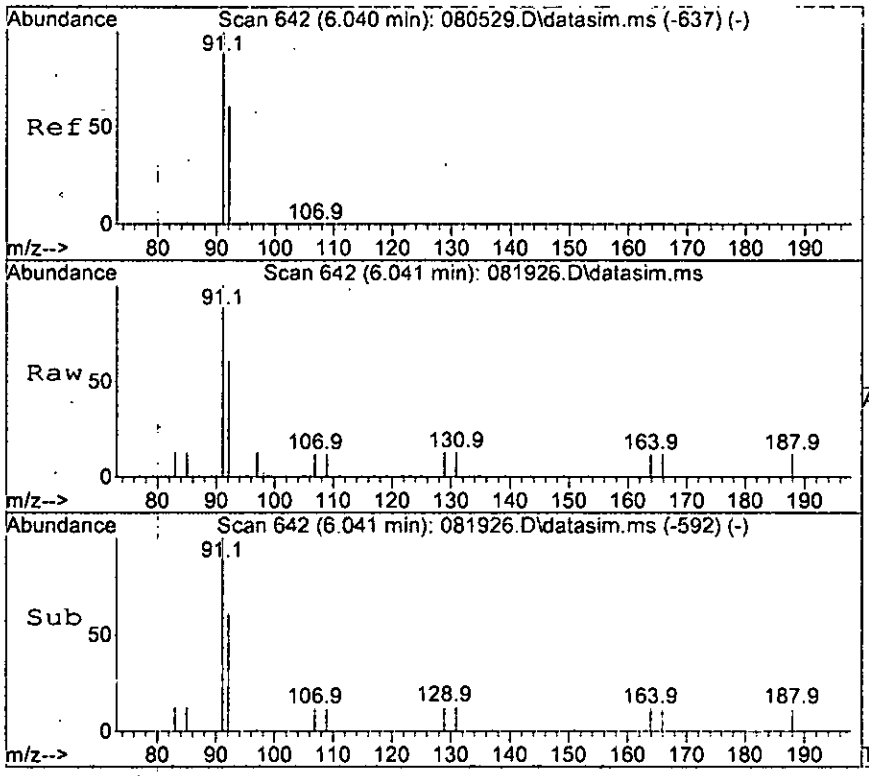


#31
Benzene
Concen: 0.026 ppb
RT: 4.39 min Scan# 453
Delta R.T. 0.009 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion: 78 Resp: 180

Ion	Ratio	Lower	Upper
78	100		
52	17.9	0.0	47.5

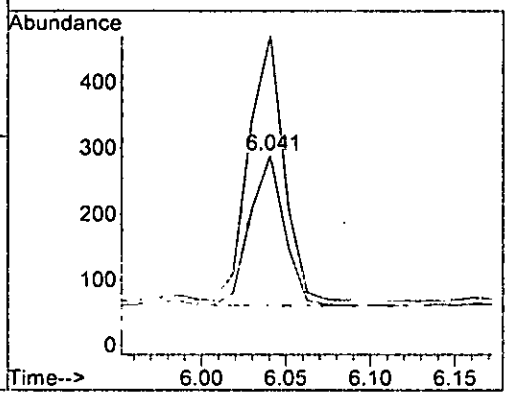


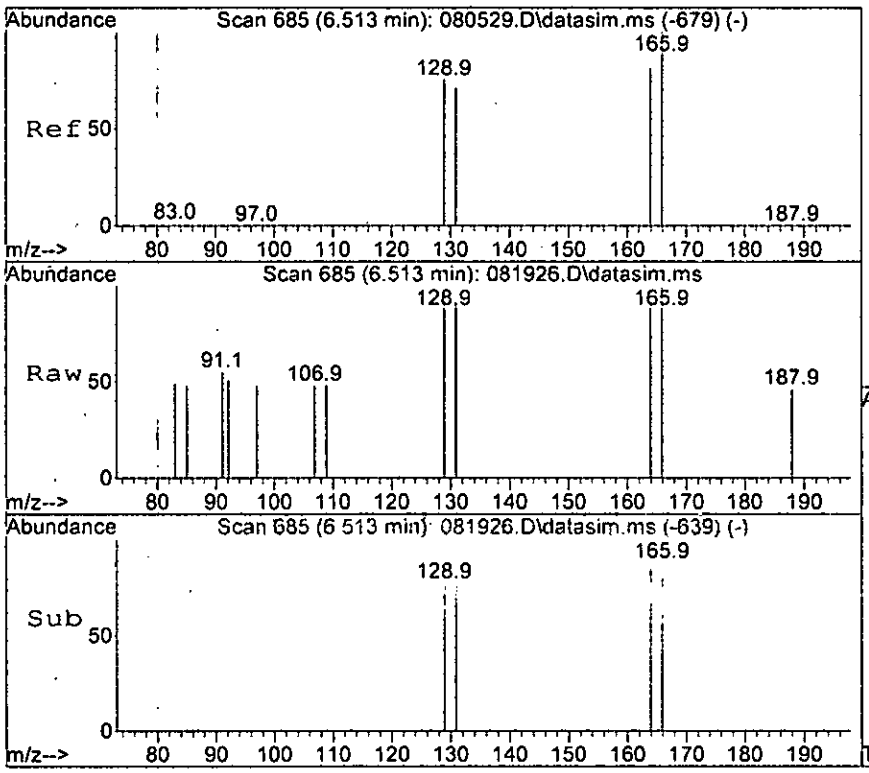


#40
Toluene
Concen: 0.021 ppb
RT: 6.04 min Scan# 642
Delta R.T. 0.012 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion: 92 Resp: 324

Ion	Ratio	Lower	Upper
92	100		
91	177.2	147.4	207.4

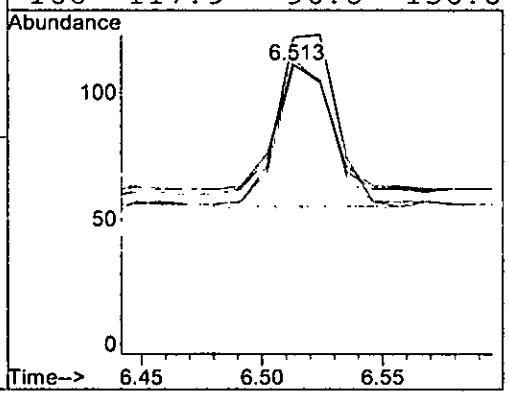


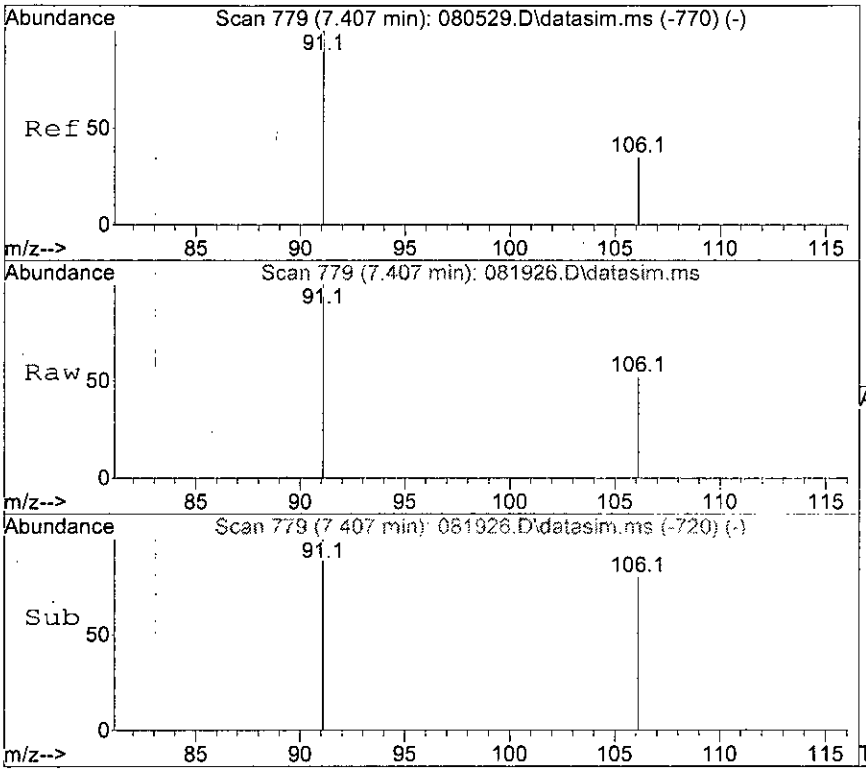


#45
Tetrachloroethene
Concen: 0.029 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion:164 Resp: 90

Ion	Ratio	Lower	Upper
164	100		
129	91.1	60.3	120.3
131	91.1	57.0	117.0
166	117.9	96.8	156.8

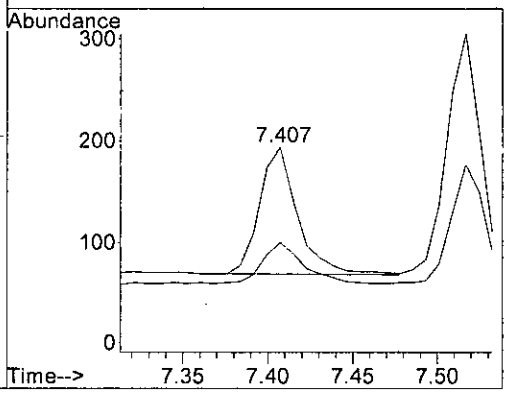


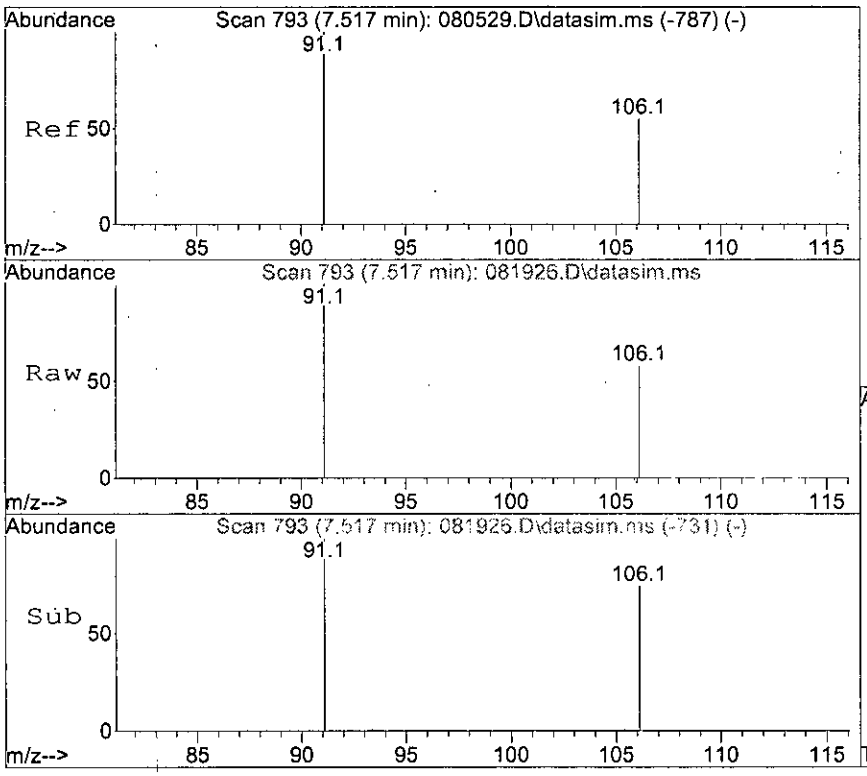


#49
Ethylbenzene
Concen: 0.019 ppb
RT: 7.41 min Scan# 779
Delta R.T. 0.008 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion: 91 Resp: 196

Ion	Ratio	Lower	Upper
91	100		
106	32.8	0.0	57.3

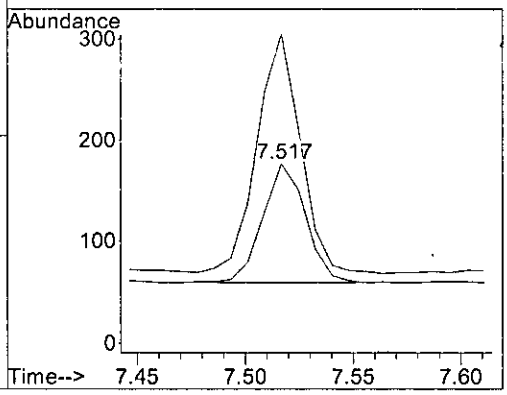


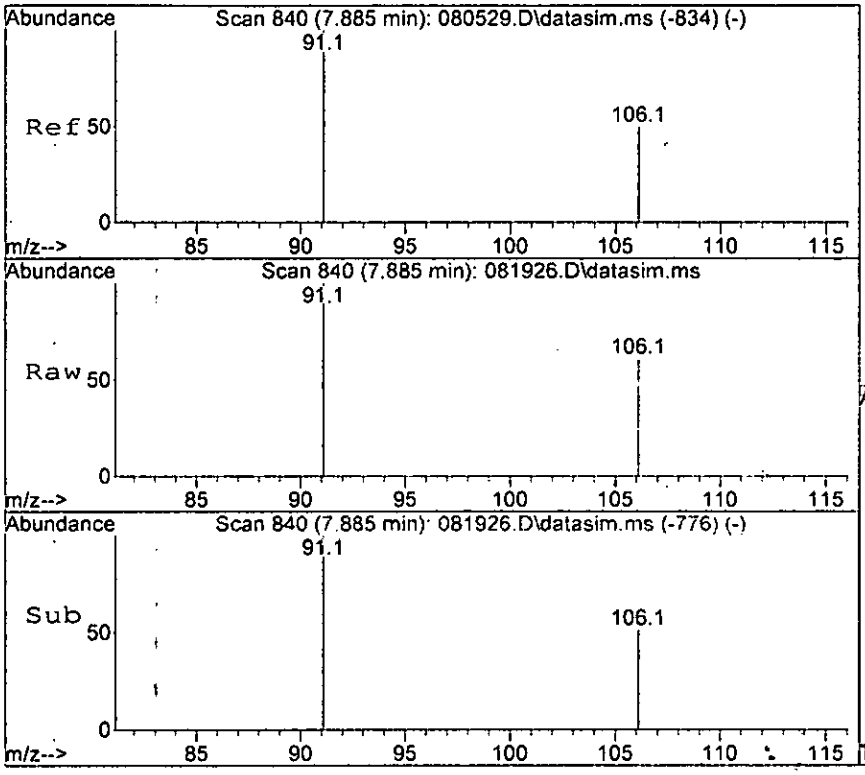


#51
m,p-Xylene
Concen: 0.038 ppb
RT: 7.52 min Scan# 793
Delta R.T. -0.000 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion:106 Resp: 163

Ion	Ratio	Lower	Upper
106	100		
91	200.0	148.7	208.7

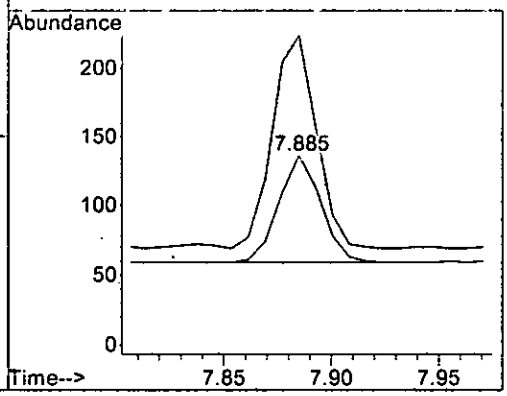


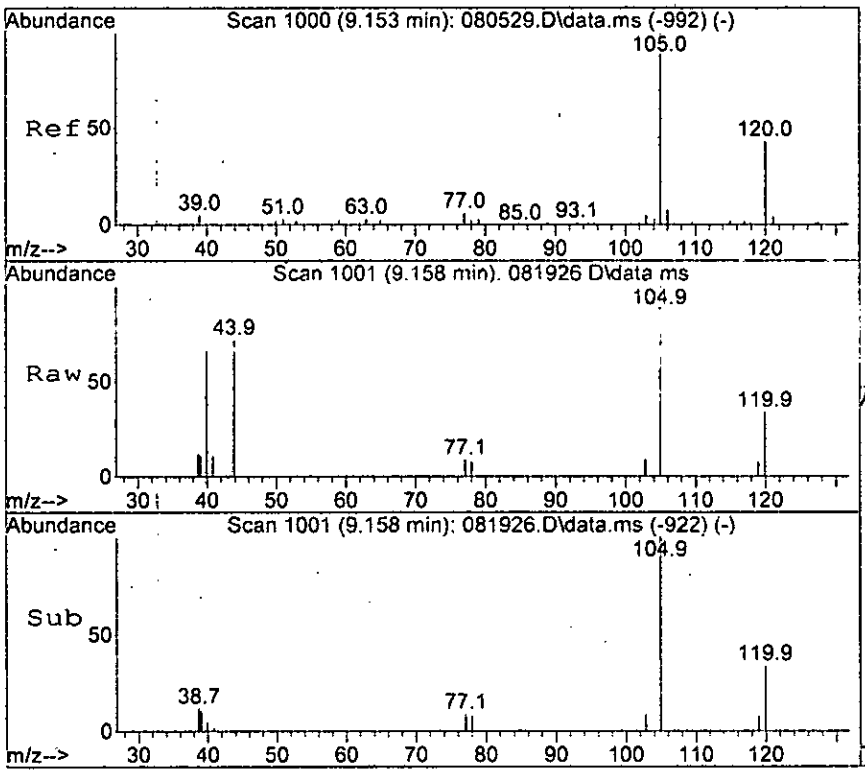


#52
o-Xylene
Concen: 0.029 ppb
RT: 7.88 min Scan# 840
Delta R.T. -0.000 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion:106 Resp: 104

Ion	Ratio	Lower	Upper
106	100		
91	201.3	164.0	224.0

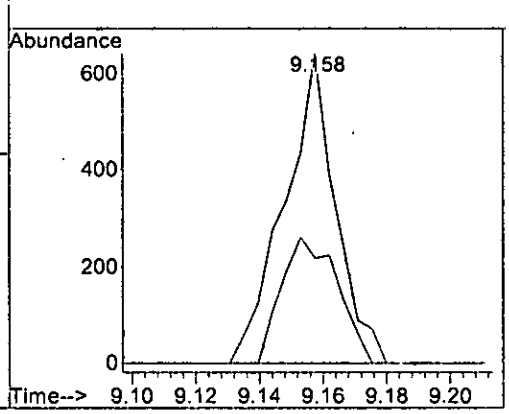


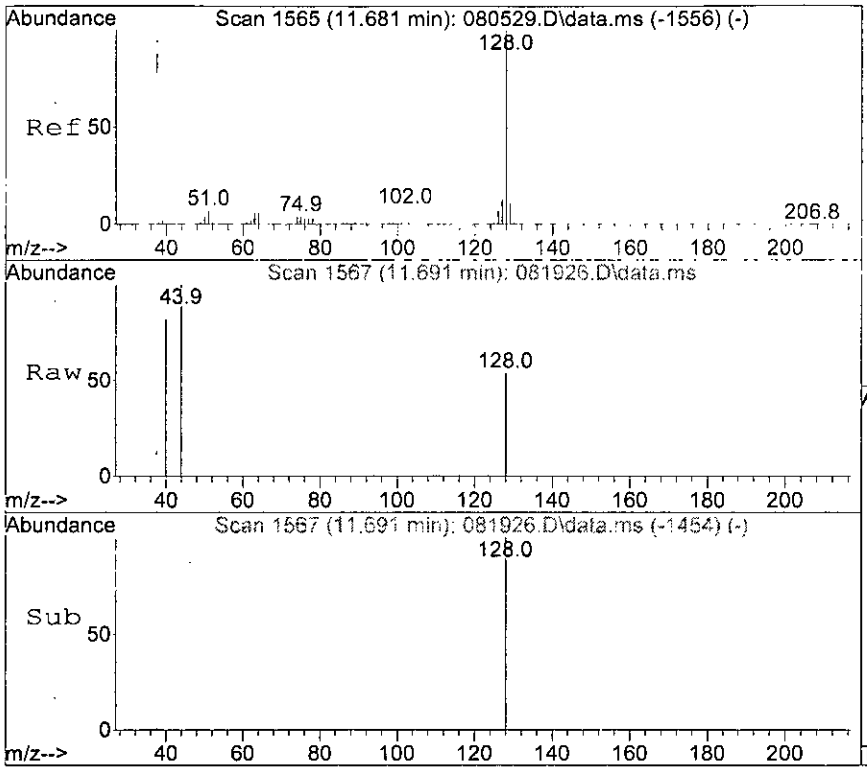


#66
1,2,4-Trimethylbenzene
Concen: 0.125 ppb
RT: 9.16 min Scan# 1001
Delta R.T. 0.001 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion:105 Resp: 716

Ion	Ratio	Lower	Upper
105	100		
120	33.9	17.8	77.8

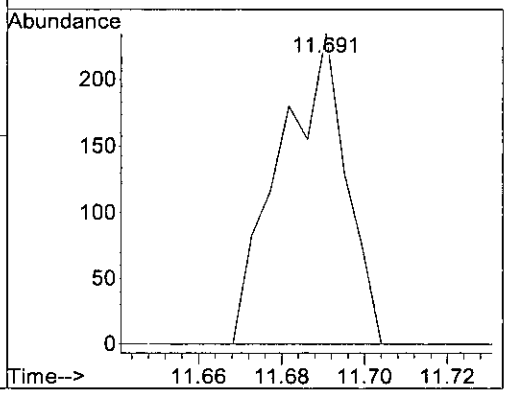




#75
Naphthalene
Concen: 0.052 ppb
RT: 11.69 min Scan# 1567
Delta R.T. 0.005 min
Lab File: 081926.D
Acq: 19 Aug 2022 08:44 pm

Tgt Ion:128 Resp: 260

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.6
127	0.0	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081926.D
Acq On : 19 Aug 2022 08:44 pm
Operator : LM
Sample : 208257-01
Misc : water
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 11:07:03 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	51155	10.000	ppb	0.02
39) Chlorobenzene-d5	7.28	117	42813	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23575	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	14554	10.390	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.90%			
30) 1,2-Dichloroethane-d4	4.37	102	2863	9.439	ppb	0.02
Spiked Amount 10.000	Range 78 - 126		Recovery = 94.40%			
35) Toluene-d8	5.98	98	49842	10.131	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 101.30%			
57) 4-Bromofluorobenzene	8.38	95	20302	10.422	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 104.20%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.23	50	1482	N.D.		
6] Vinyl chloride	1.31	62	632m	0.155	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.28	58	274	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	3.05	57	56	N.D.		
14) Methylene chloride	2.61	84	12116	3.279	ppb	96
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19] 1,1-Dichloroethane	3.19	63	117	0.042	ppb	99
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	3.94	83	73	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31] Benzene	4.39	78	180	0.026	ppb	99
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.04	92	324	0.021	ppb	100
41) trans-1,3-Dichloropropene	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081926.D
Acq On : 19 Aug 2022 08:44 pm
Operator : LM
Sample : 208257-01
Misc : water
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS11

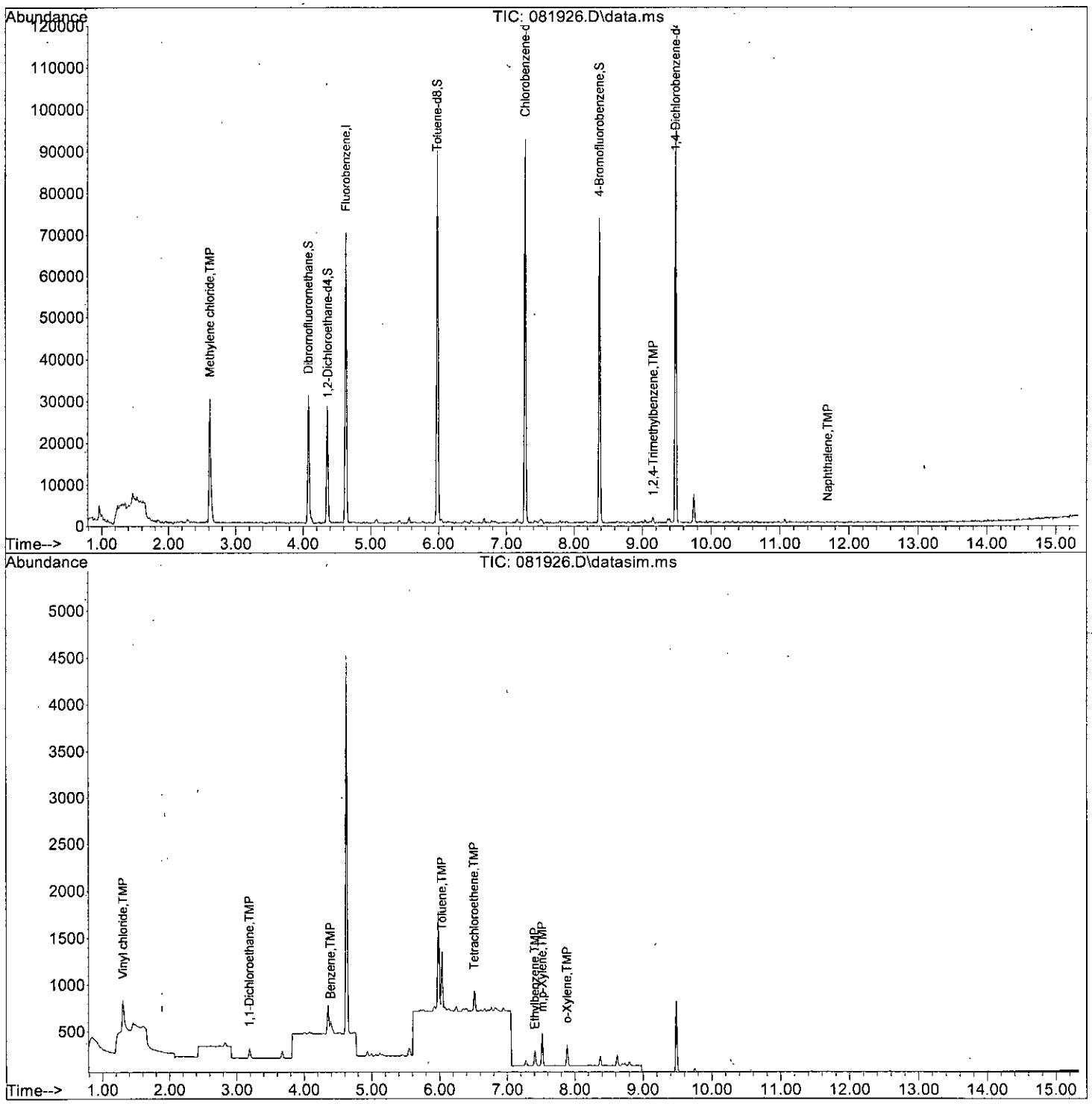
Quant Time: Aug 22 11:07:03 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	0.00		0	N.D.		d	
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.51	164	90	0.029	ppb		95
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.			
49] Ethylbenzene	7.41	91	196	0.019	ppb		89
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.52	106	163	0.038	ppb		85
52] o-Xylene	7.88	106	104	0.029	ppb		95
53) Styrene	0.00		0	N.D.			
54) Isopropylbenzene	0.00		0	N.D.			
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	167	N.D.			
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	8.80	105	191	N.D.			
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	0.00		0	N.D.		d	
63) 2-Chlorotoluene	8.63	91	167	N.D.			
64) 4-Chlorotoluene	8.63	91	167	N.D.			
65) tert-Butylbenzene	0.00		0	N.D.			
66) 1,2,4-Trimethylbenzene	9.16	105	716	0.125	ppb		79
67) sec-Butylbenzene	9.16	105	716	N.D.			
68) p-Isopropyltoluene	9.46	119	52	N.D.			
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	0.00		0	N.D.			
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	11.69	128	260	0.052	ppb		68
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

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

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081926.D
Acq On : 19 Aug 2022 08:44 pm
Operator : LM
Sample : 208257-01
Misc : water
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 11:07:03 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081927.D
Acq On : 19 Aug 2022 09:06 pm
Operator : LM
Sample : 208257-02
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 11:07:51 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

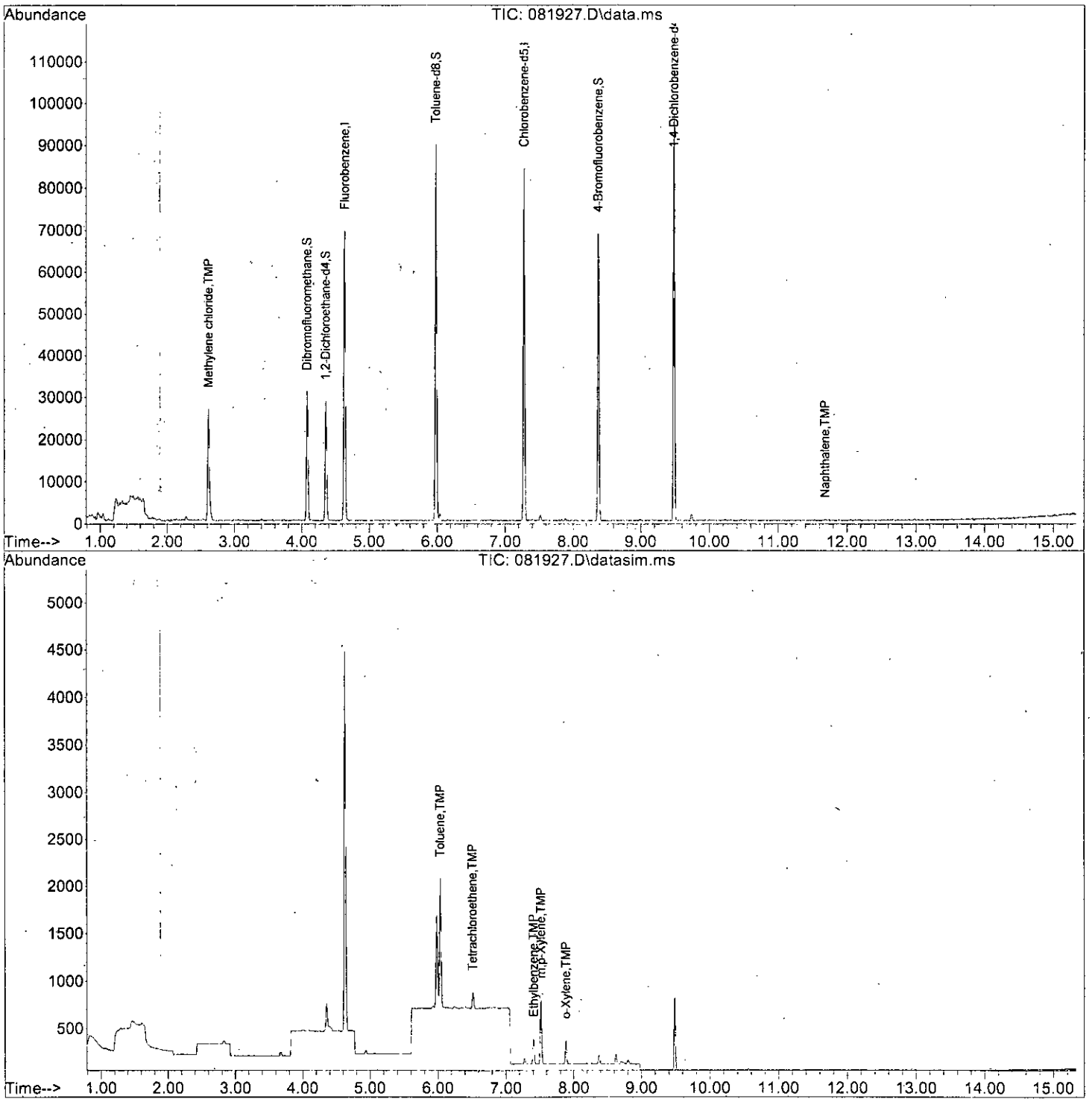
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.64	96	50314	10.000 ppb	0.02
39) Chlorobenzene-d5	7.28	117	39566	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23405	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	14468	10.502 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.00%		
30) 1,2-Dichloroethane-d4	4.36	102	2965	9.939 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 99.40%		
35) Toluene-d8	5.98	98	47084	9.730 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 97.30%		
57) 4-Bromofluorobenzene	8.38	95	19148	9.901 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.00%		
Target Compounds					Qvalue
14) Methylene chloride	2.61	84	10380	2.281 ppb	98
24) 2-Butanone (MEK)	3.73	43	104	Below Cal	59
40] Toluene	6.04	92	700	0.140 ppb	92
45] Tetrachloroethene	6.51	164	66	0.017 ppb	94
49] Ethylbenzene	7.41	91	284	0.035 ppb	87
51] m,p-Xylene	7.52	106	332	0.111 ppb	97
52] o-Xylene	7.88	106	113	0.035 ppb	93
75) Naphthalene	11.68	128	257	0.052 ppb	68

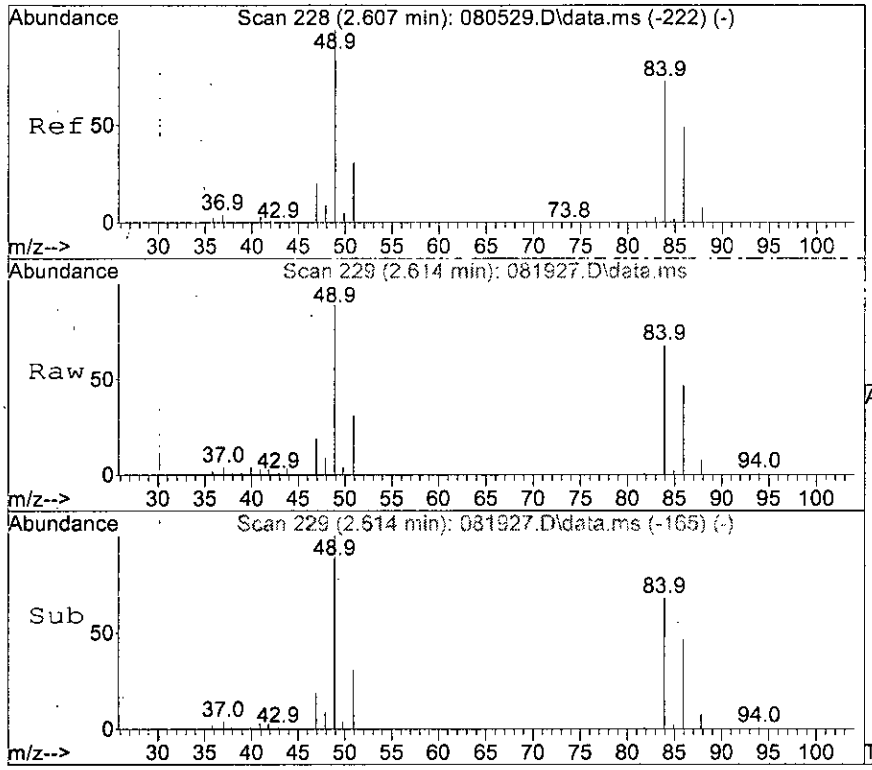
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081927.D
Acq On : 19 Aug 2022 09:06 pm
Operator : LM
Sample : 208257-02
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 11:07:51 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

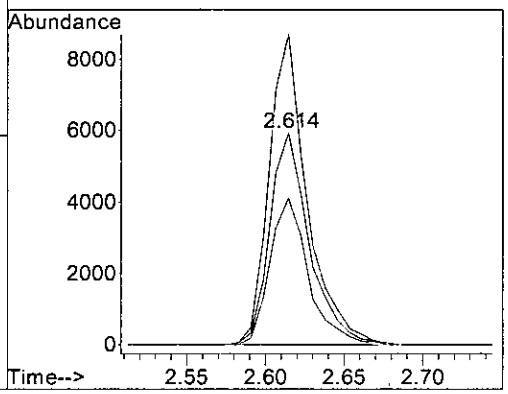


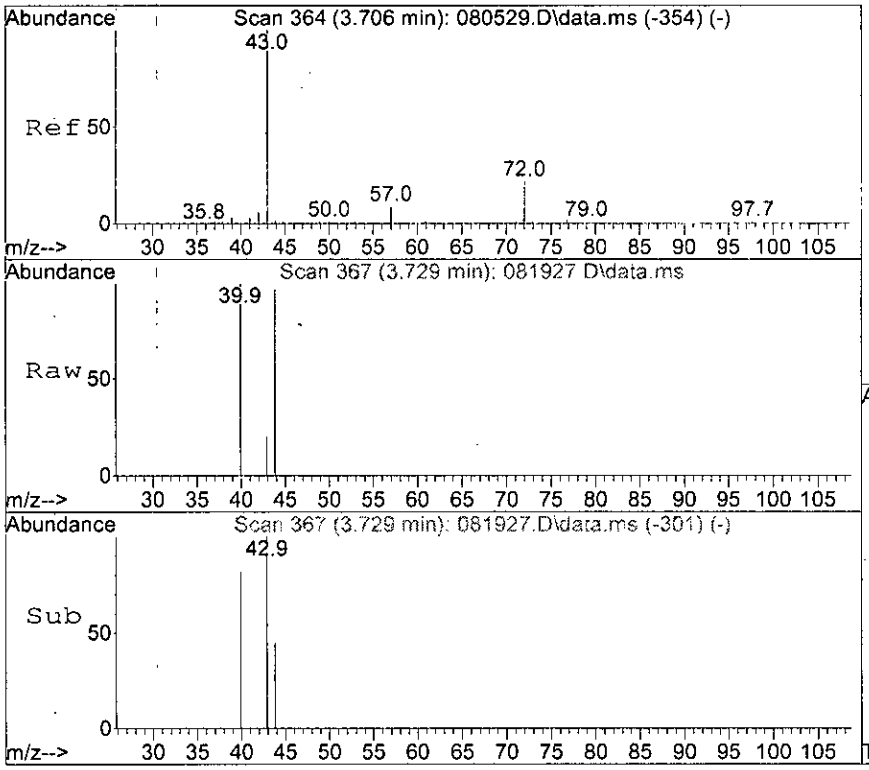


#14
Methylene chloride
Concen: 2.281 ppb
RT: 2.61 min Scan# 229
Delta R.T. 0.015 min
Lab File: 081927.D
Acq: 19 Aug 2022 09:06 pm

Tgt Ion: 84 Resp: 10380

Ion	Ratio	Lower	Upper
84	100		
86	69.4	38.7	98.7
49	147.2	114.1	174.1

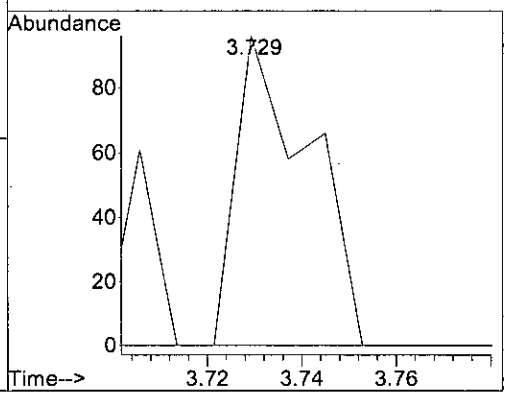


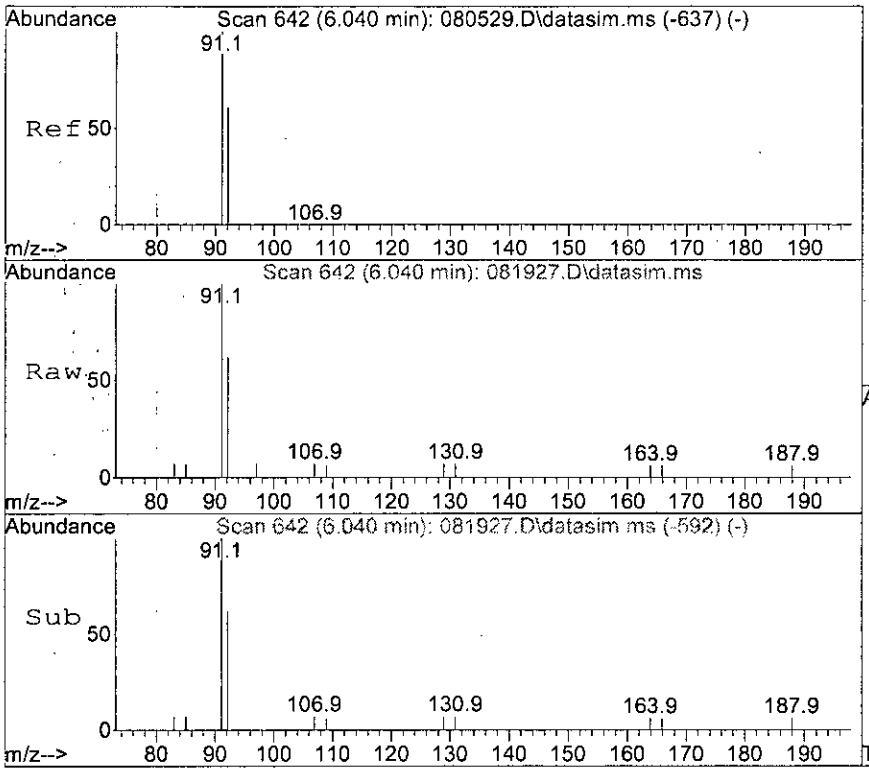


#24
2-Butanone (MEK)
Concen: Below Cal
RT: 3.73 min Scan# 367
Delta R.T. 0.031 min
Lab File: 081927.D
Acq: 19 Aug 2022 09:06 pm

Tgt Ion: 43 Resp: 104

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	53.3
57	0.0	0.0	28.3

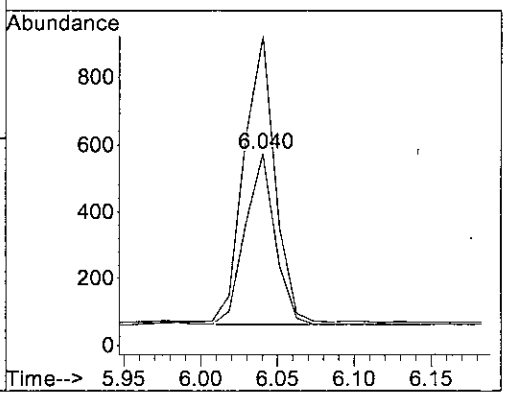


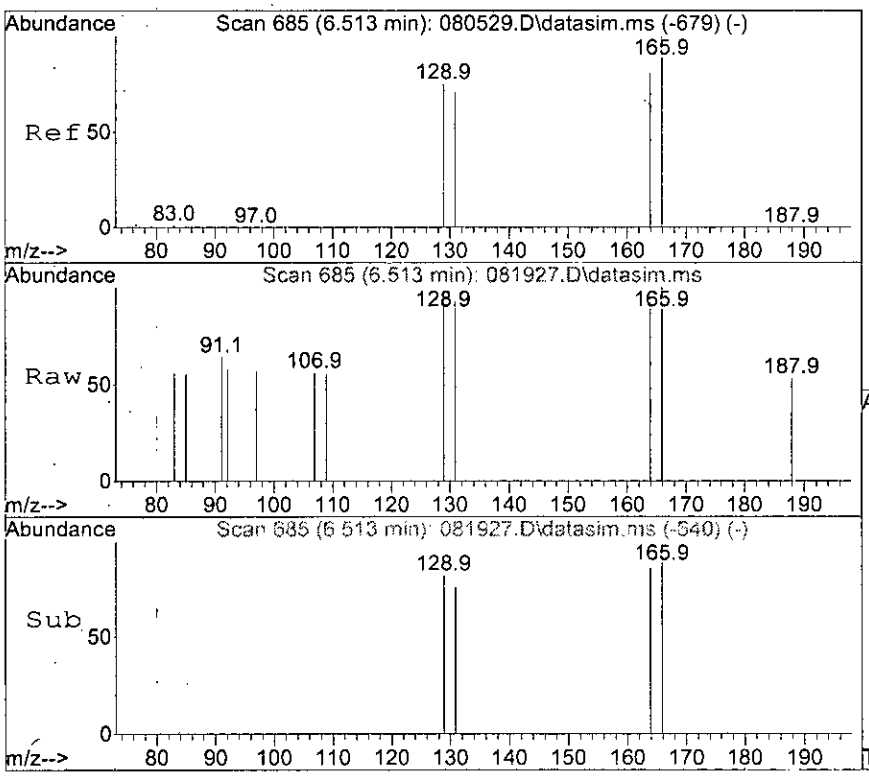


#40
Toluene
Concen: 0.140 ppb
RT: 6.04 min Scan# 642
Delta R.T. 0.011 min
Lab File: 081927.D
Acq: 19 Aug 2022 09:06 pm

Tgt Ion: 92 Resp: 700

Ion	Ratio	Lower	Upper
92	100		
91	166.3	147.4	207.4

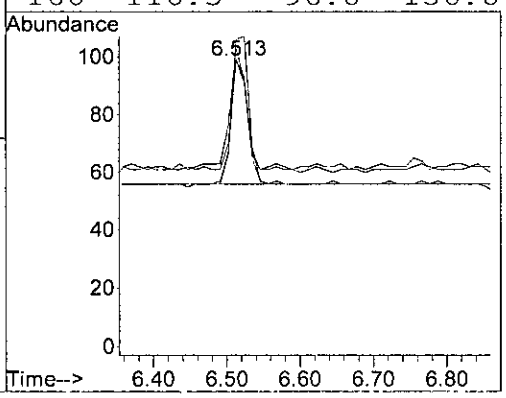


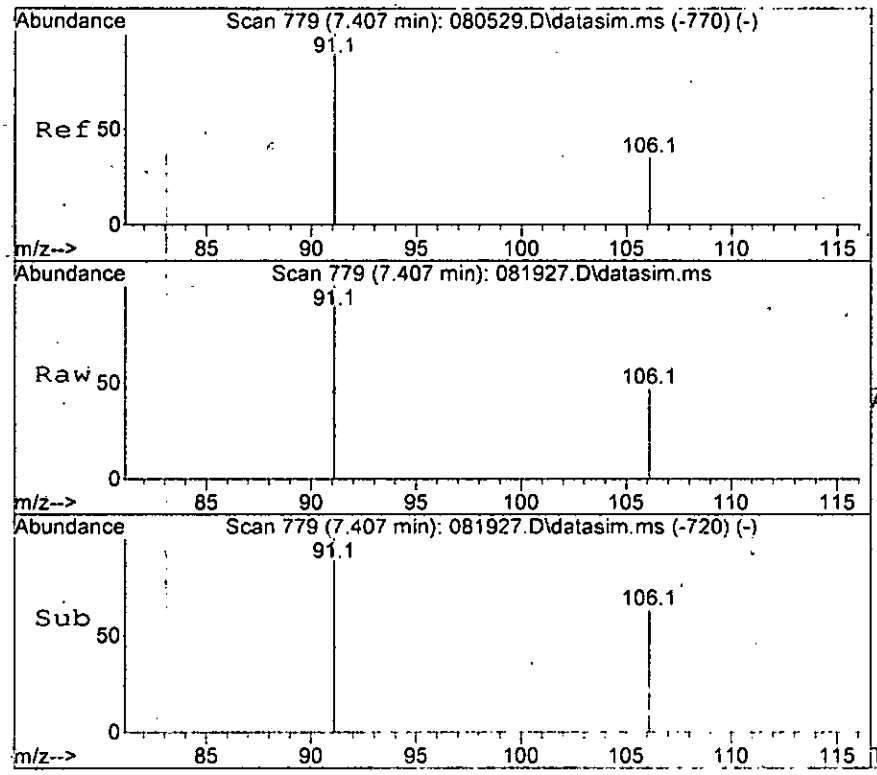


#45
Tetrachloroethene
Concen: 0.017 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 081927.D
Acq: 19 Aug 2022 09:06 pm

Tgt Ion:164 Resp: 66

Ion	Ratio	Lower	Upper
164	100		
129	95.3	60.3	120.3
131	88.4	57.0	117.0
166	116.3	96.8	156.8

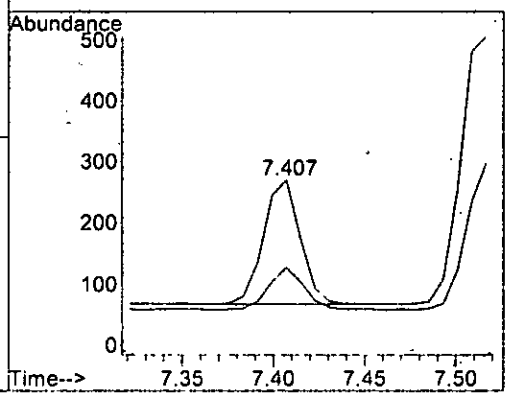


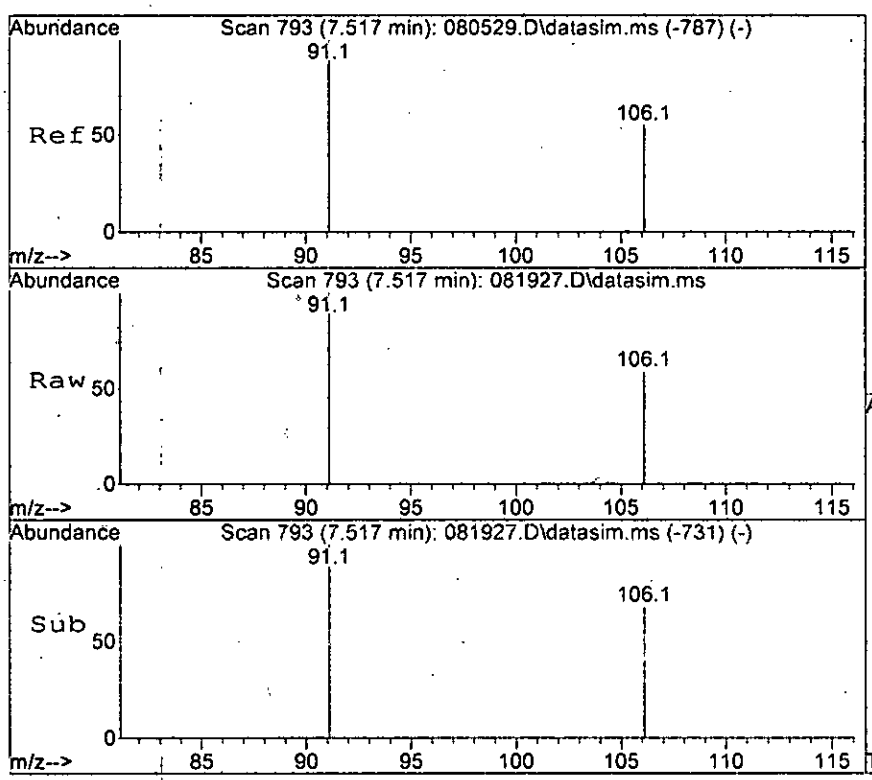


#49
Ethylbenzene
Concen: 0.035 ppb
RT: 7.41 min Scan# 779
Delta R.T. 0.008 min
Lab File: 081927.D
Acq: 19 Aug 2022 09:06 pm

Tgt Ion: 91 Resp: 284

Ion	Ratio	Lower	Upper
91	100		
106	34.2	0.0	57.3

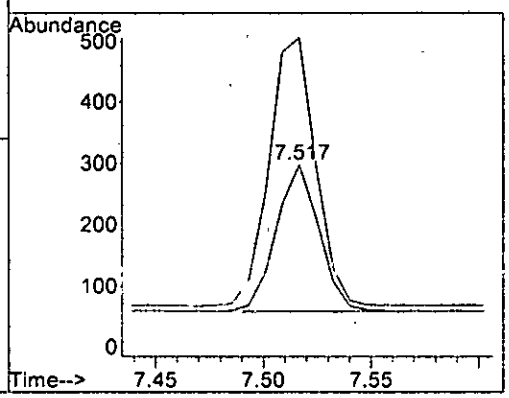


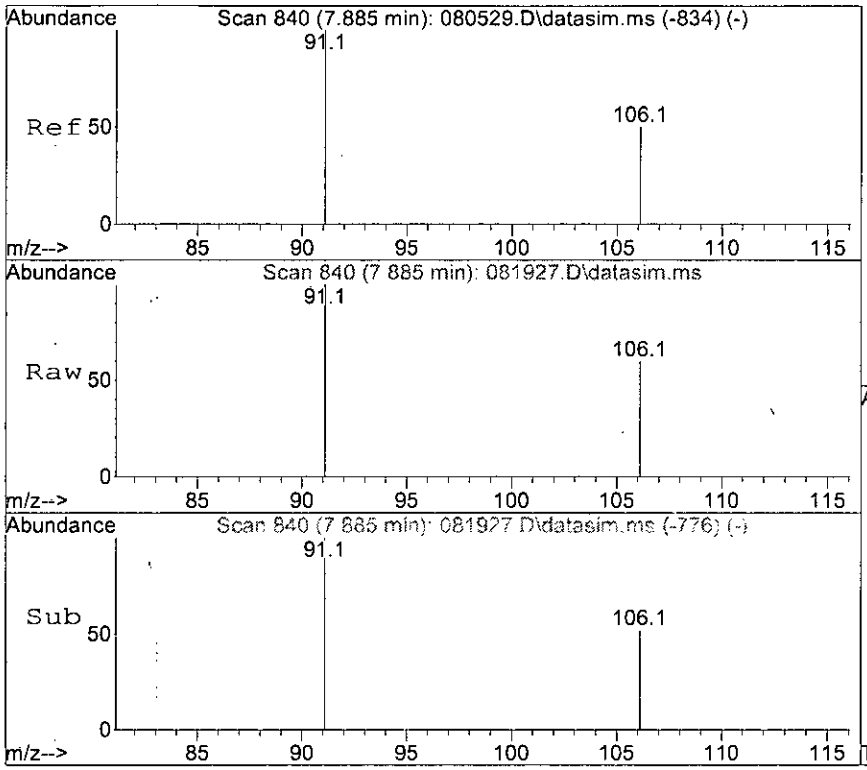


#51
m,p-Xylene
Concen: 0.111 ppb
RT: 7.52 min Scan# 793
Delta R.T. -0.000 min
Lab File: 081927.D
Acq: 19 Aug 2022 09:06 pm

Tgt Ion:106 Resp: 332

Ion	Ratio	Lower	Upper
106	100		
91	183.3	148.7	208.7

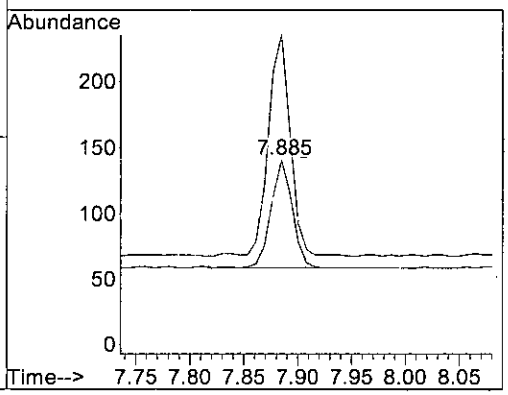


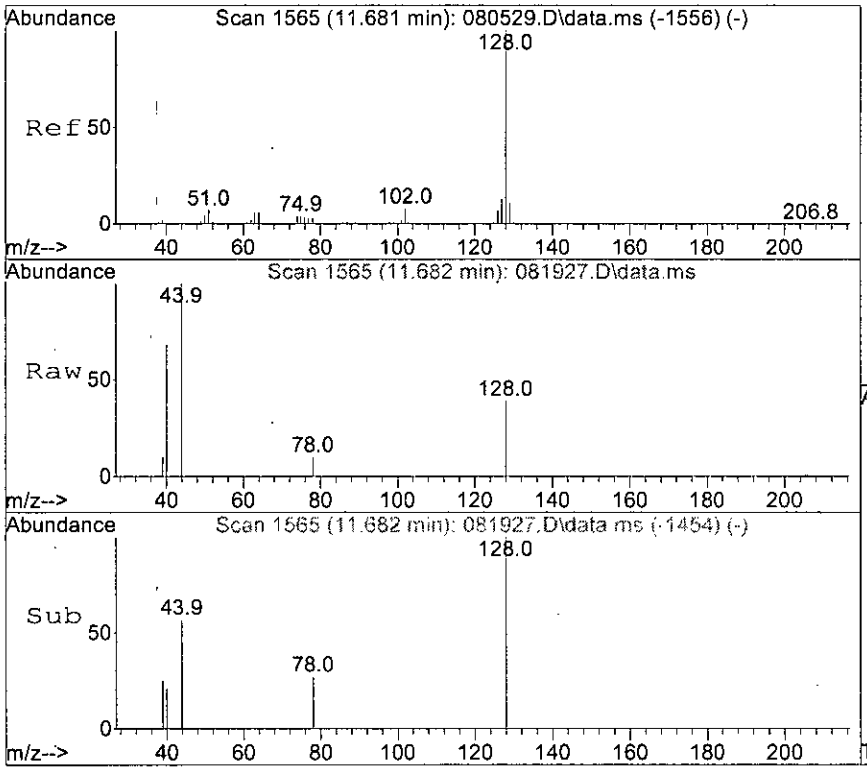


#52
o-Xylene
Concen: 0.035 ppb
RT: 7.88 min Scan# 840
Delta R.T. -0.000 min
Lab File: 081927.D
Acq: 19 Aug 2022 09:06 pm

Tgt Ion:106 Resp: 113

Ion	Ratio	Lower	Upper
106	100		
91	204.9	164.0	224.0

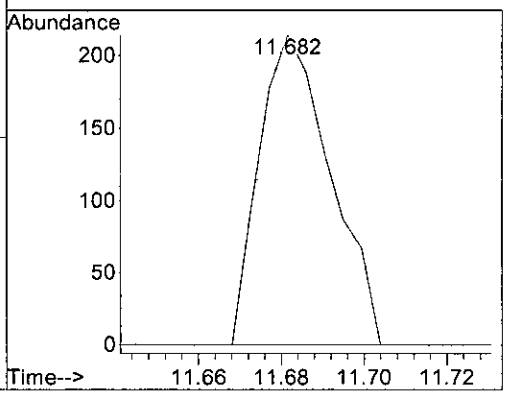




#75
Naphthalene
Concen: 0.052 ppb
RT: 11.68 min Scan# 1565
Delta R.T. -0.004 min
Lab File: 081927.D
Acq: 19 Aug 2022 09:06 pm

Tgt Ion:128 Resp: 257

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.6
127	0.0	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081927.D
Acq On : 19 Aug 2022 09:06 pm
Operator : LM
Sample : 208257-02
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 11:07:51 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	50314	10.000	ppb	0.02
39) Chlorobenzene-d5	7.28	117	39566	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23405	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	14468	10.502	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.00%			
30) 1,2-Dichloroethane-d4	4.36	102	2965	9.939	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 99.40%			
35) Toluene-d8	5.98	98	47084	9.730	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 97.30%			
57) 4-Bromofluorobenzene	8.38	95	19148	9.901	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.23	50	3287	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.54	94	191	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.28	58	245	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.61	84	10380	2.281	ppb	98
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	3.95	83	147	N.D.		
24) 2-Butanone (MEK)	3.73	43	104	Below Cal		59
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	4.39	78	72	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	6.04	92	700	0.140	ppb	92
41) trans-1,3-Dichloropropene	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081927.D
Acq On : 19 Aug 2022 09:06 pm
Operator : LM
Sample : 208257-02
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

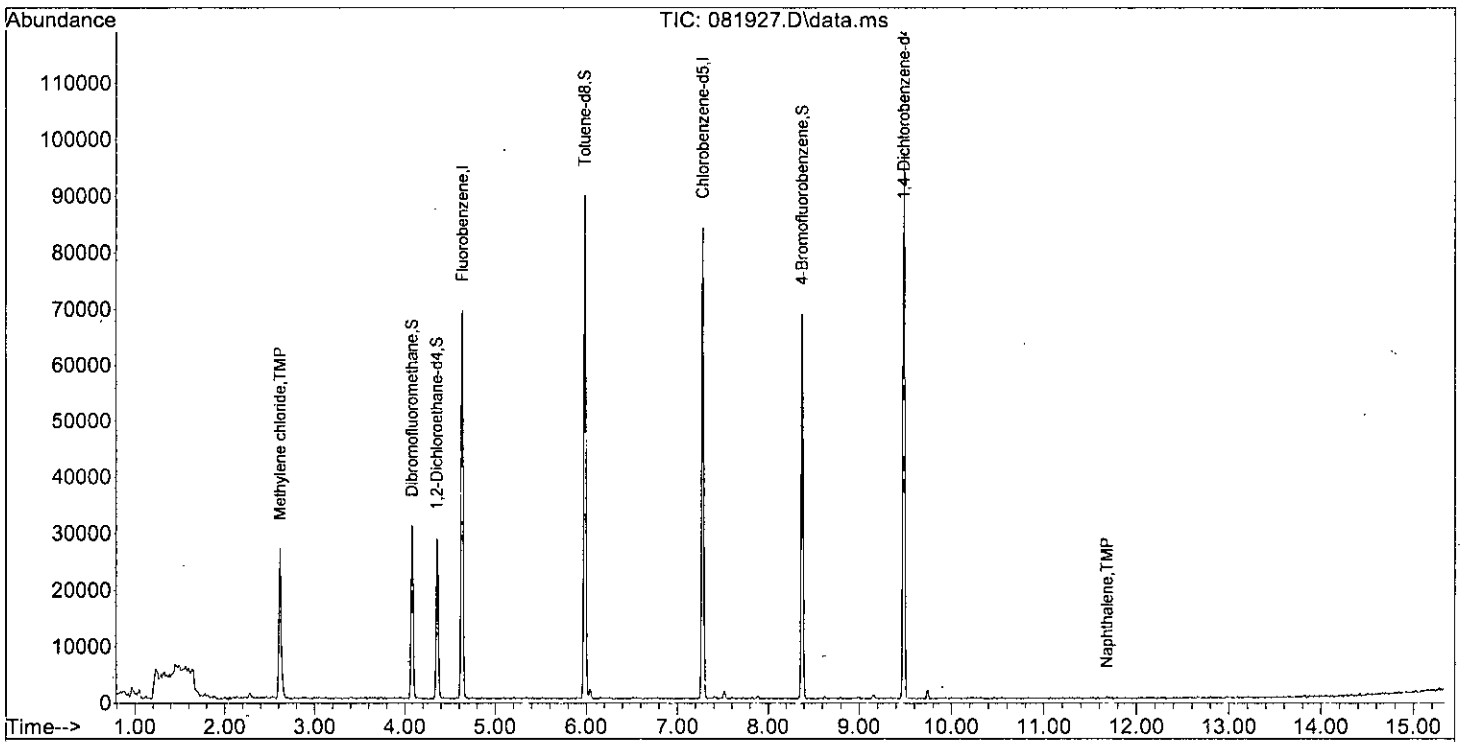
Quant Time: Aug 22 11:07:51 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

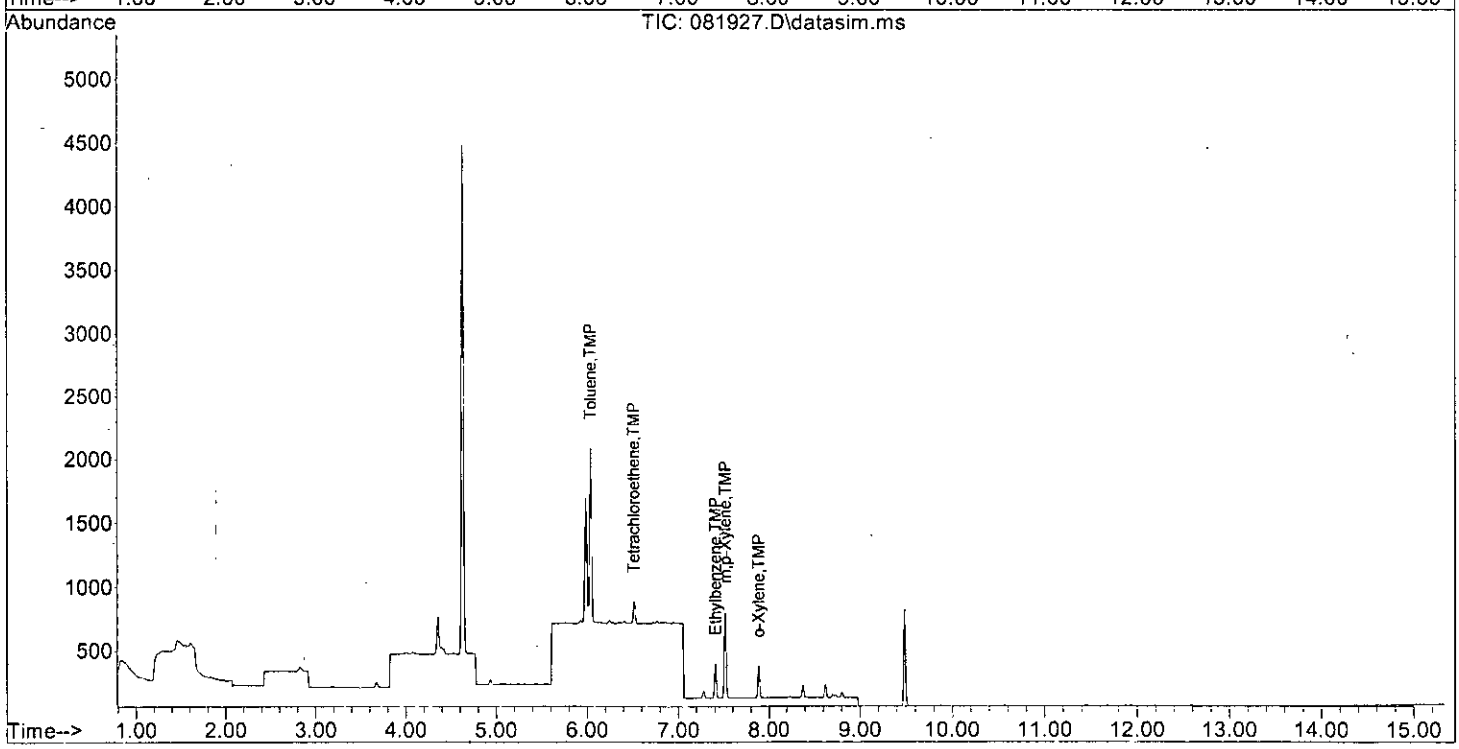
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	6.79	43	89	N.D.			
44) 1,3-Dichloropropane	0.00		0	N.D.			
45) Tetrachloroethene	6.51	164	66	0.017	ppb		94
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.			
49) Ethylbenzene	7.41	91	284	0.035	ppb		87
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51) m,p-Xylene	7.52	106	332	0.111	ppb		97
52) o-Xylene	7.88	106	113	0.035	ppb		93
53) Styrene	0.00		0	N.D.			
54) Isopropylbenzene	8.23	105	80	N.D.			
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	173	N.D.			
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	8.80	105	114	N.D.			
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	8.63	91	173	N.D.			
64) 4-Chlorotoluene	8.63	91	173	N.D.			
65) tert-Butylbenzene	0.00		0	N.D.			
66) 1,2,4-Trimethylbenzene	9.16	105	502	N.D.			
67) sec-Butylbenzene	9.16	105	502	N.D.			
68) p-Isopropyltoluene	0.00		0	N.D.			
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	0.00		0	N.D.			
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	11.68	128	257	0.052	ppb		68
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

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

Data Path : D:\Proc_GCMS11\08-19-22\
Data File : 081927.D
Acq On : 19 Aug 2022 09:06 pm
Operator : LM
Sample : 208257-02
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 22 11:07:51 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081928.D
Acq On : 19 Aug 2022 09:29 pm
Operator : LM
Sample : 208257-03
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:33:05 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

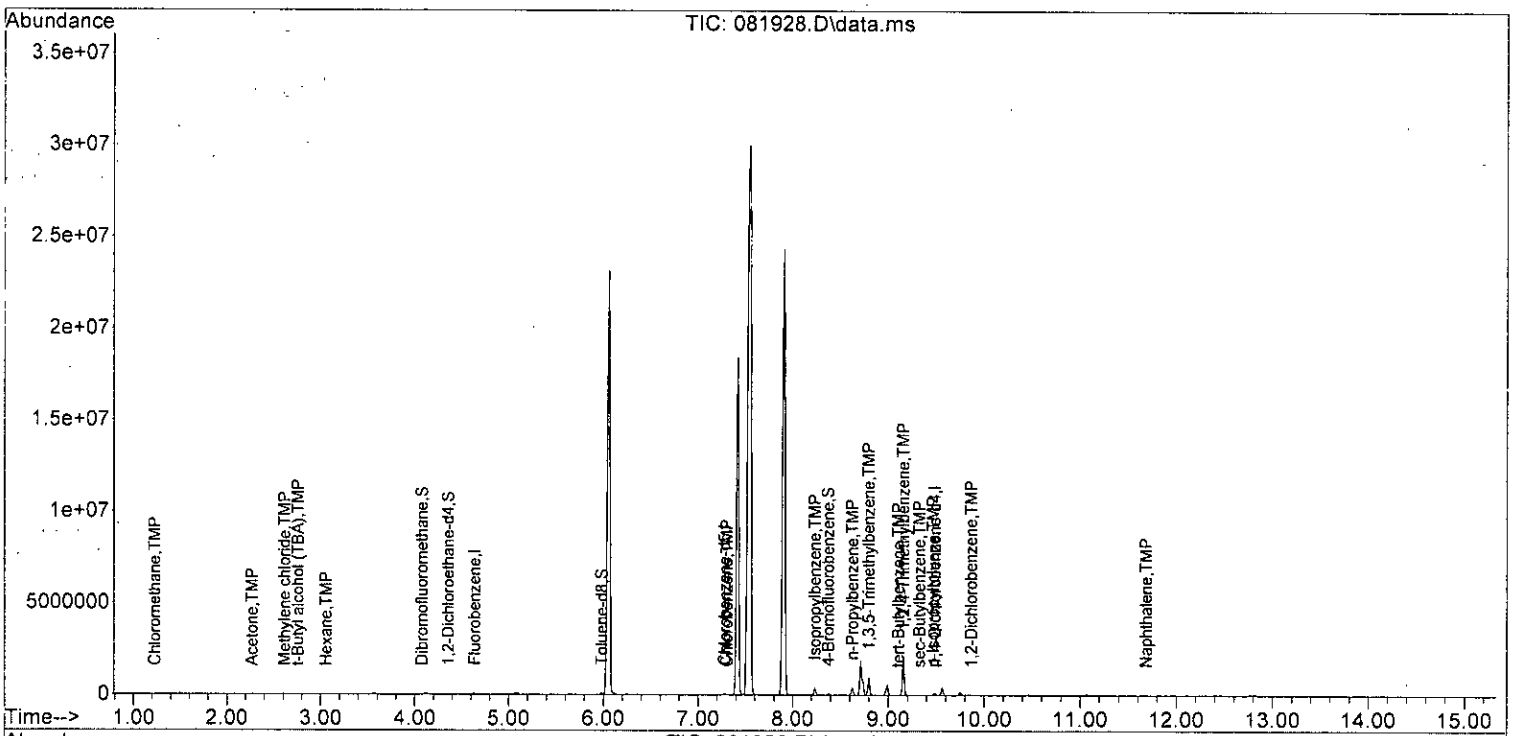
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.64	96	55353	10.000	ppb		0.02
39) Chlorobenzene-d5	7.28	117	42326	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25120	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	15670	10.339	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.40%				
30) 1,2-Dichloroethane-d4	4.36	102	3100	9.446	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 94.50%				
35) Toluene-d8	5.98	98	55472	10.420	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 104.20%				
57) 4-Bromofluorobenzene	8.38	95	21288	10.256	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 102.60%				
Target Compounds							Qvalue
5) Chloromethane	1.23	50	2361	0.493	ppb		93
6] Vinyl chloride	1.30	62	104m	0.024	ppb		
11) Acetone	2.27	58	347	1.254	ppb	#	51
13) Hexane	3.05	57	509	0.221	ppb		72
14) Methylene chloride	2.61	84	9052	0.887	ppb		93
15) t-Butyl alcohol (TBA)	2.76	59	778	4.673	ppb		99
21) 2,2-Dichloropropane	3.66	77	52	Below Cal			48
22] cis-1,2-Dichloroethene	3.68	96	707	0.407	ppb		87
31] Benzene	4.39	78	4128	0.694	ppb		100
32] Trichloroethene	4.94	95	320	0.179	ppb		99
40] Toluene	6.05	92	10902032	3029.835	ppb	#	75
45] Tetrachloroethene	6.52	164	133	0.059	ppb		93
48) Chlorobenzene	7.30	112	378	0.091	ppb		74
49] Ethylbenzene	7.41	91	11870129	1753.492	ppb		78
51] m,p-Xylene	7.55	106	13744234	5237.719	ppb		87
52] o-Xylene	7.91	106	8008111	3074.641	ppb		84
54) Isopropylbenzene	8.23	105	225057	33.043	ppb		96
58) n-Propylbenzene	8.63	91	268258	33.572	ppb		98
60) 1,3,5-Trimethylbenzene	8.80	105	443520	74.883	ppb		97
65) tert-Butylbenzene	9.10	119	921	0.174	ppb		96
66) 1,2,4-Trimethylbenzene	9.16	105	949313	155.742	ppb		98
67) sec-Butylbenzene	9.32	105	4421	0.572	ppb		97
68) p-Isopropyltoluene	9.47	119	3645	0.546	ppb		95
71) 1,2-Dichlorobenzene	9.86	146	134	0.037	ppb		73
75) Naphthalene	11.69	128	20156	3.807	ppb		98

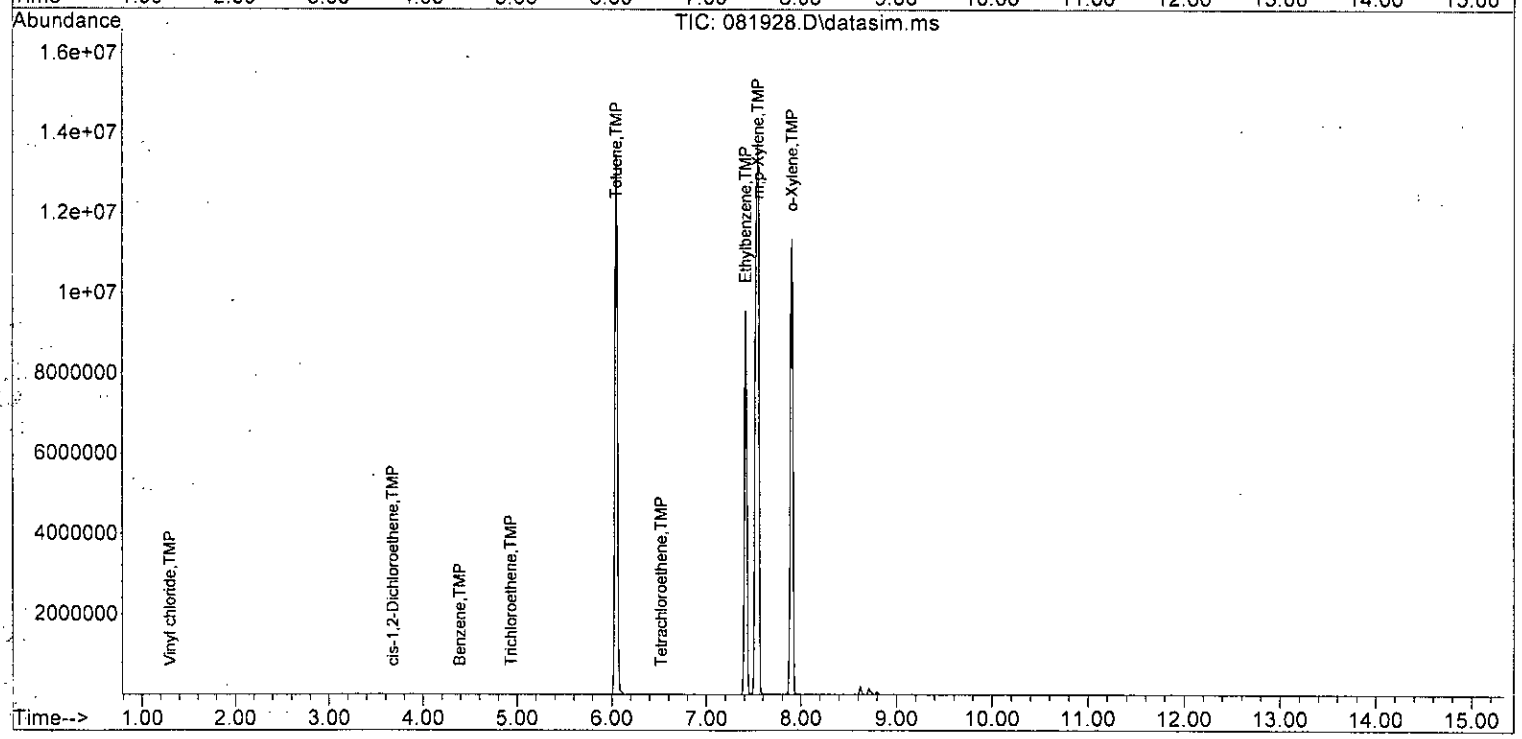
(#) = qualifier out of range (m) = manual integration (+) = signals summed

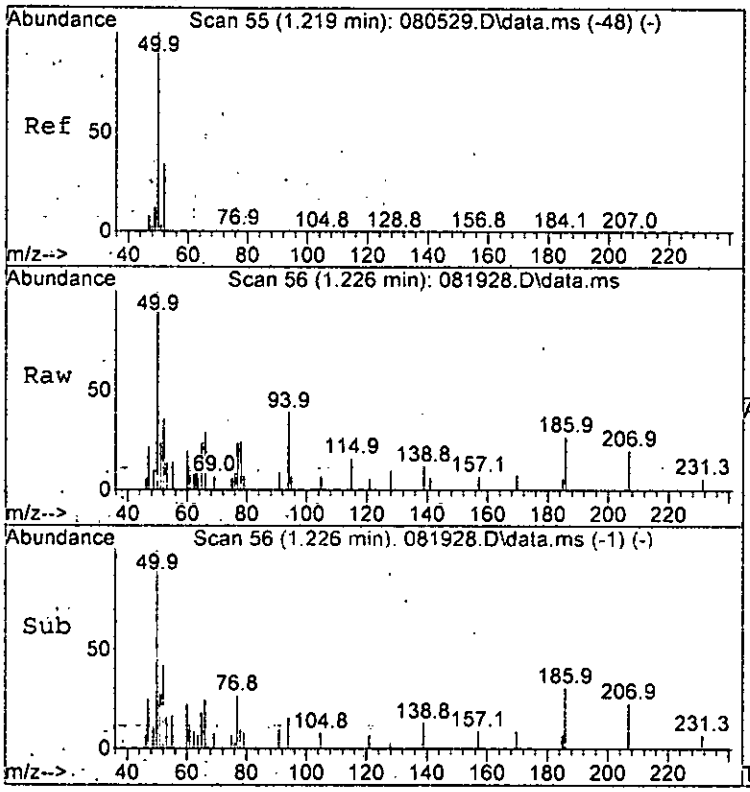
Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081928.D
Acq On : 19 Aug 2022 09:29 pm
Operator : LM
Sample : 208257-03
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:33:05 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



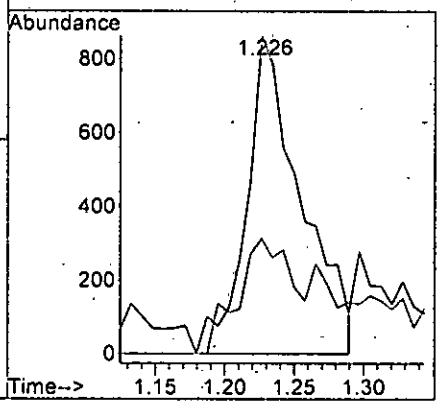


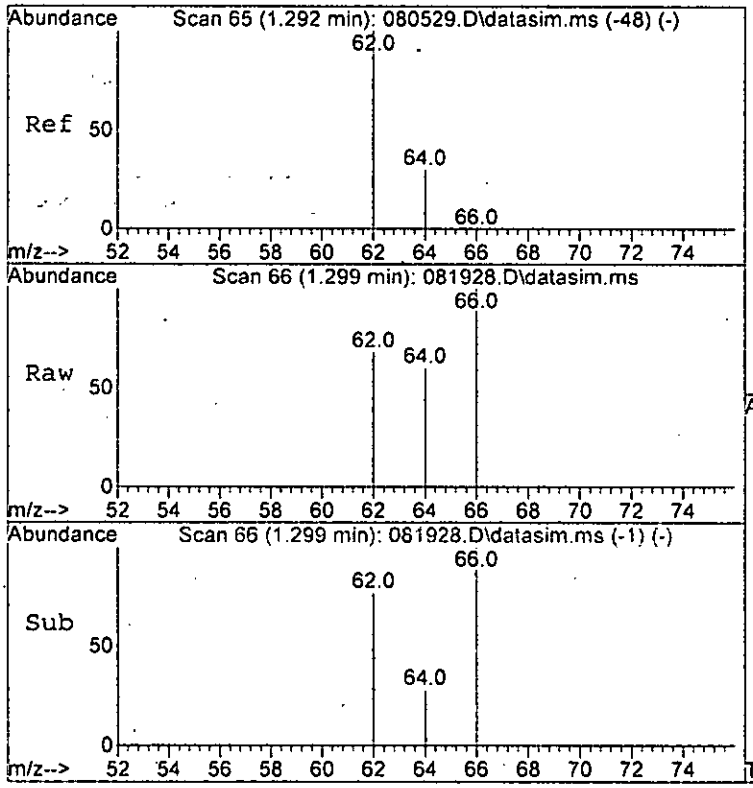


#5
Chloromethane
Concen: 0.493 ppb
RT: 1.23 min Scan# 56
Delta R.T. 0.007 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 50 Resp: 2361

Ion	Ratio	Lower	Upper
50	100		
52	36.4	2.3	62.3

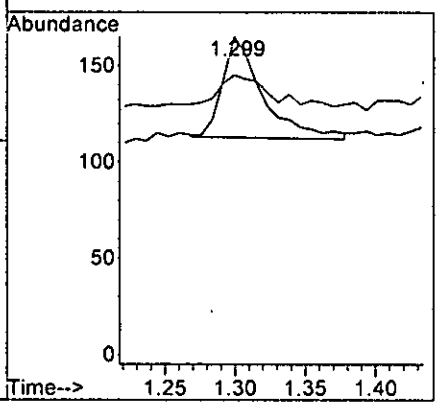


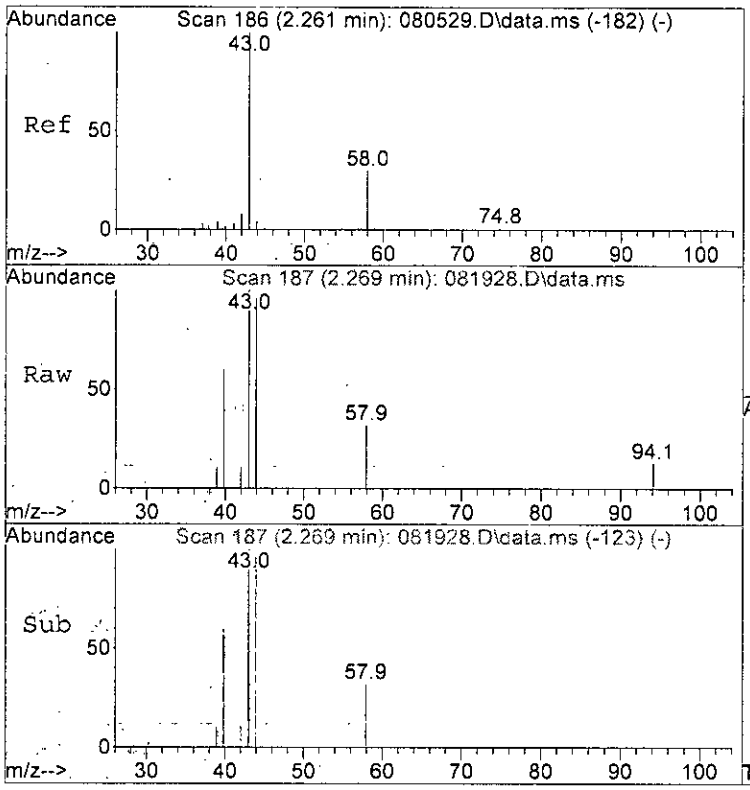


#6
Vinyl chloride
Concen: 0.024 ppb m
RT: 1.30 min Scan# 66
Delta R.T. 0.007 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 62 Resp: 104

Ion	Ratio	Lower	Upper
62	100		
64	87.9	1.6	61.6#

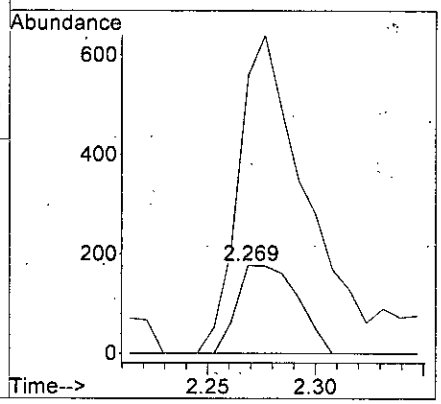


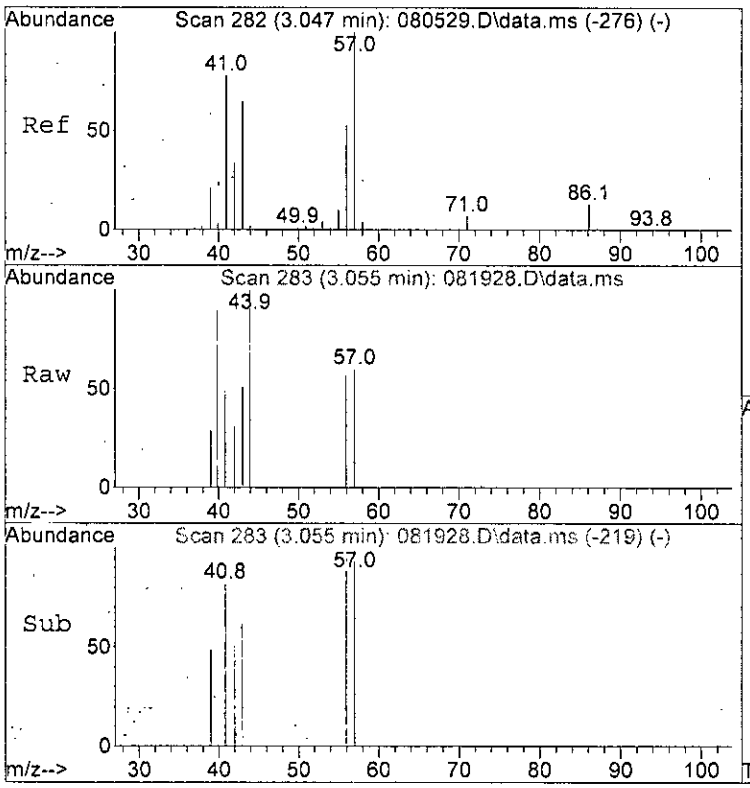


#11
Acetone
Concen: 1.254 ppb
RT: 2.27 min Scan# 187
Delta R.T. 0.016 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 58 Resp: 347

Ion	Ratio	Lower	Upper
58	100		
43	430.5	298.5	358.5#

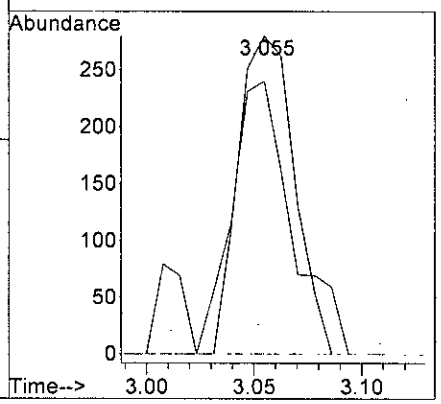


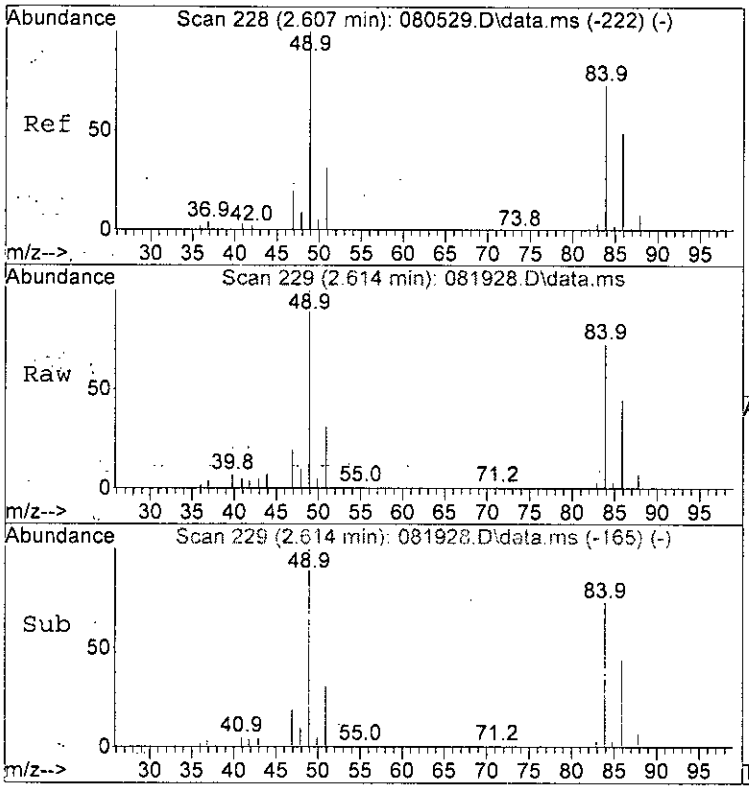


#13
Hexane
Concen: 0.221 ppb
RT: 3.05 min Scan# 283
Delta R.T. 0.016 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 57 Resp: 509

Ion	Ratio	Lower	Upper
57	100		
43	85.7	35.4	95.4
86	0.0	0.0	45.4

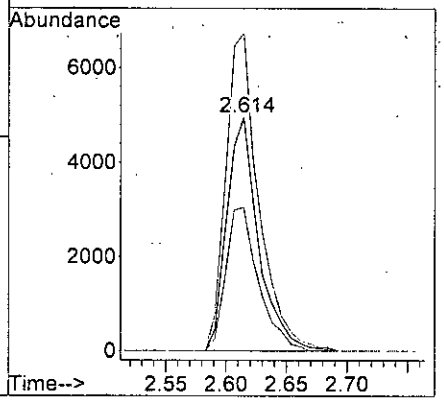


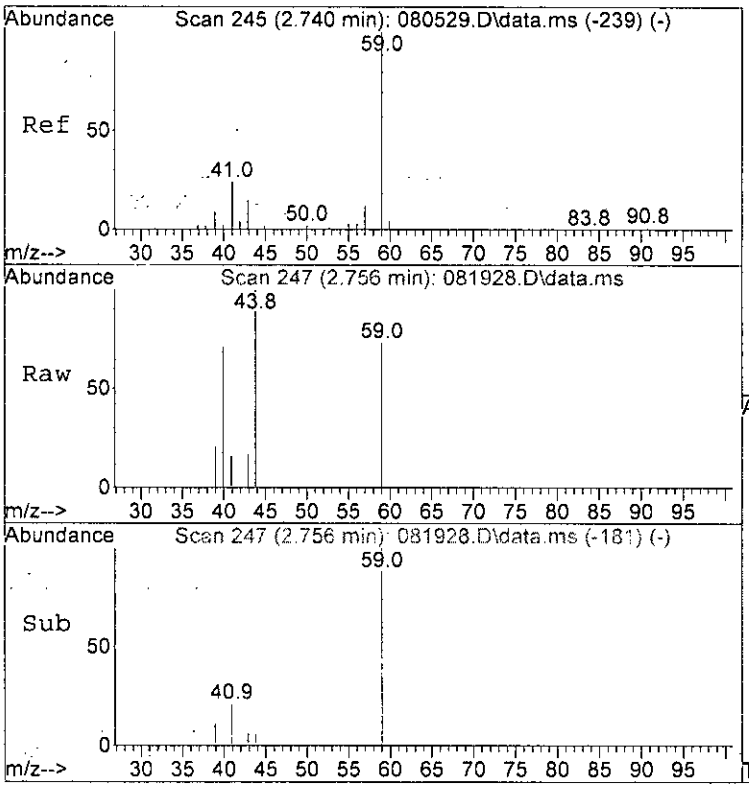


#14
Methylene chloride
Concen: 0.887 ppb
RT: 2.61 min Scan# 229
Delta R.T. 0.015 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 84 Resp: 9052

Ion	Ratio	Lower	Upper
84	100		
86	61.4	38.7	98.7
49	136.1	114.1	174.1

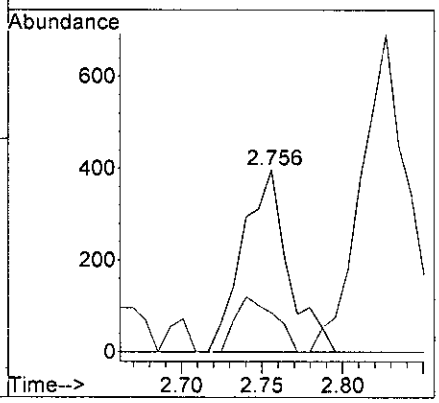


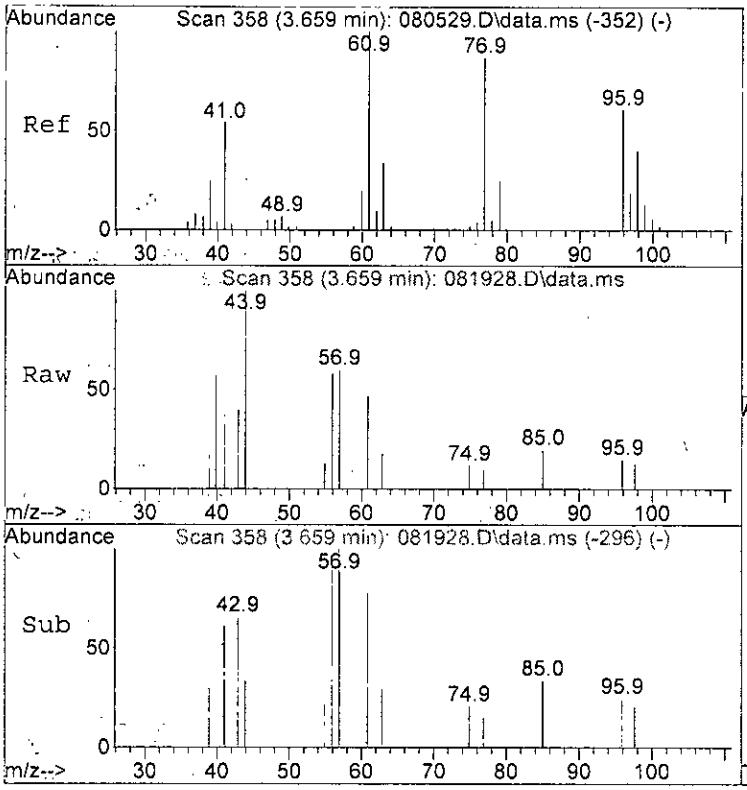


#15
t-Butyl alcohol (TBA)
Concen: 4.673 ppb
RT: 2.76 min Scan# 247
Delta R.T. 0.031 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 59 Resp: 778

Ion	Ratio	Lower	Upper
59	100		
41	21.4	0.0	51.0

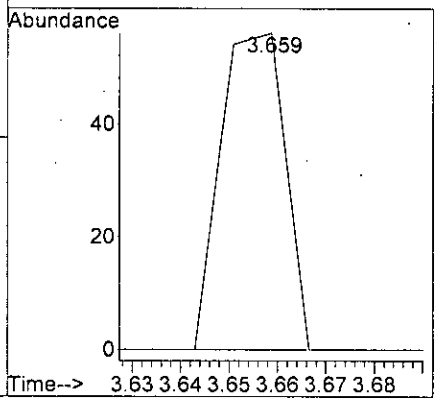


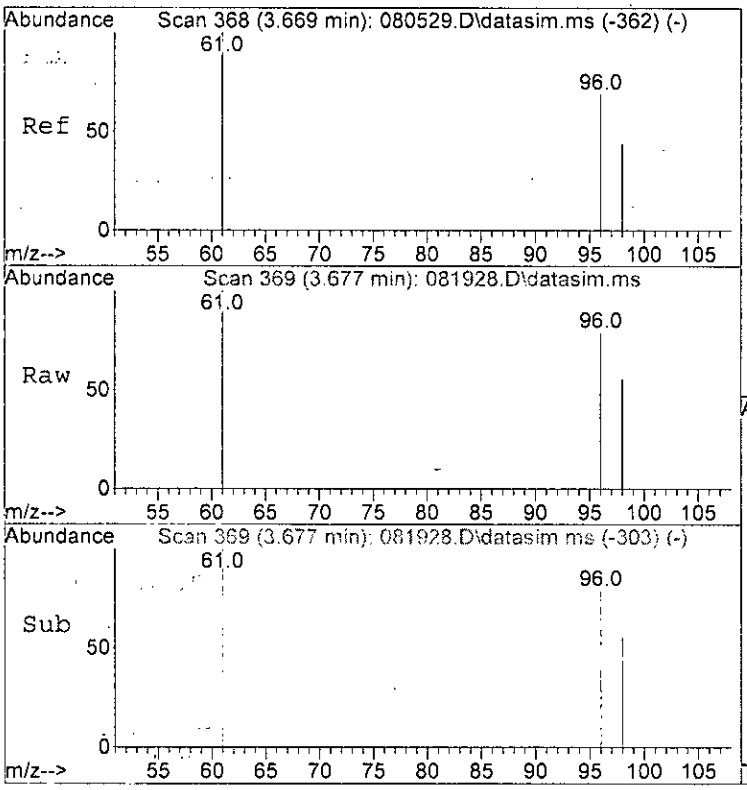


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.66 min Scan# 358
Delta R.T. -0.000 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 77 Resp: 52

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	56.8

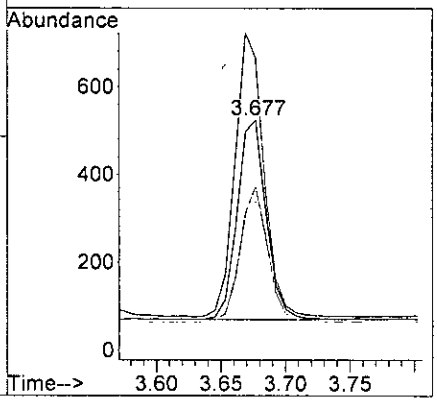


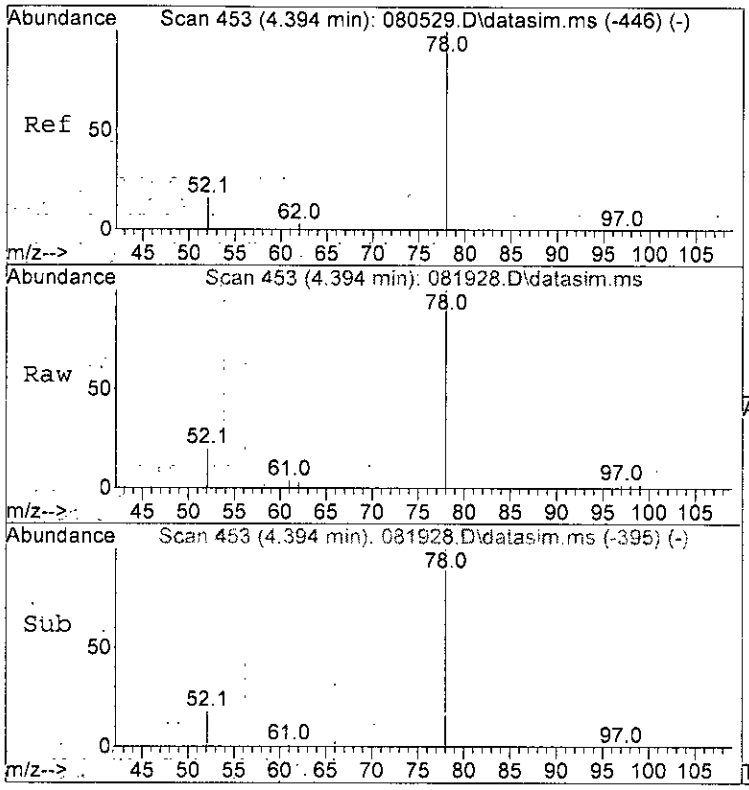


#22
cis-1,2-Dichloroethene
Concen: 0.407 ppb
RT: 3.68 min Scan# 369
Delta R.T. 0.016 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 96 Resp: 707

Ion	Ratio	Lower	Upper
96	100		
61	130.0	119.0	179.0
98	68.1	33.0	93.0

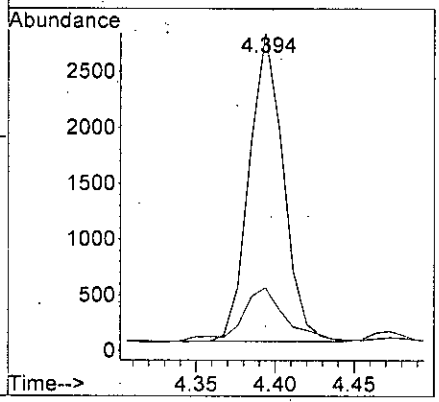


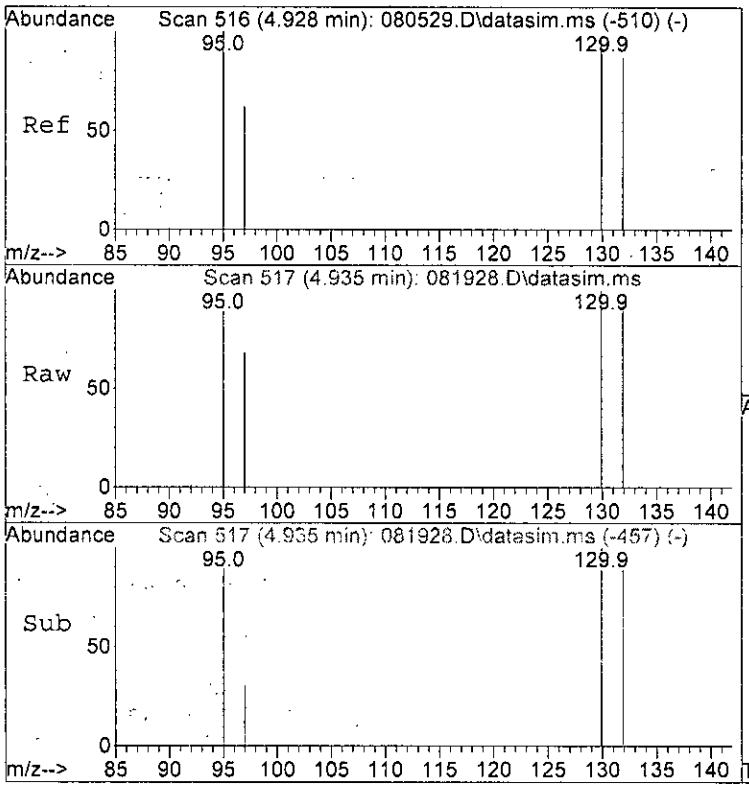


#31
Benzene
Concen: 0.694 ppb
RT: 4.39 min Scan# 453
Delta R.T. 0.009 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 78 Resp: 4128

Ion	Ratio	Lower	Upper
78	100		
52	17.3	0.0	47.5

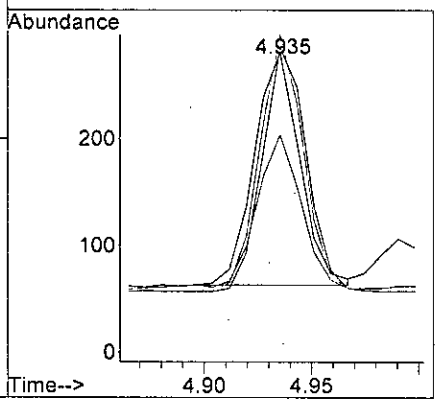


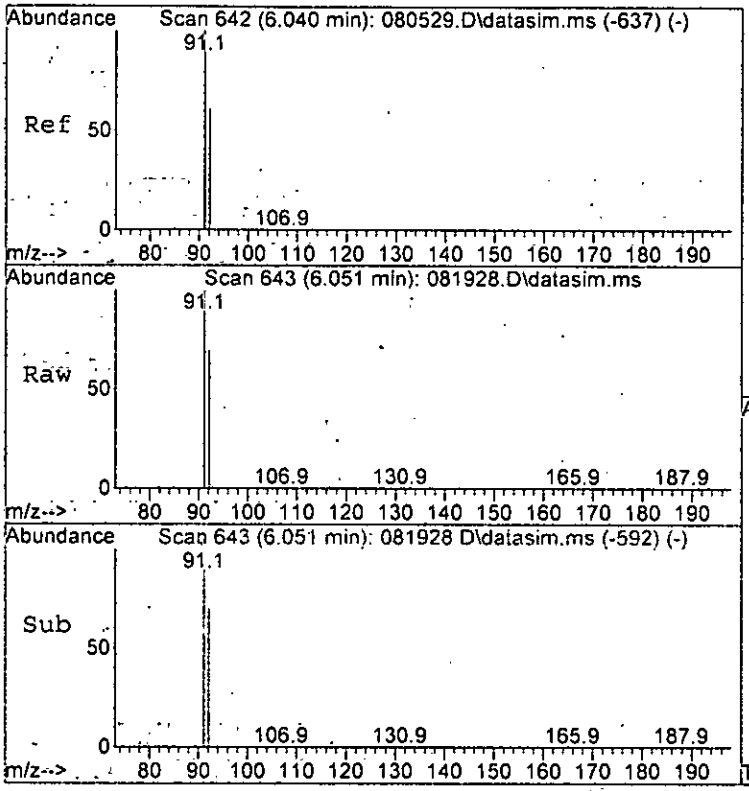


#32
Trichloroethene
Concen: 0.179 ppb
RT: 4.94 min Scan# 517
Delta R.T. 0.007 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 95 Resp: 320

Ion	Ratio	Lower	Upper
95	100		
97	66.1	36.4	96.4
130	110.1	82.2	142.2
132	105.0	76.6	136.6

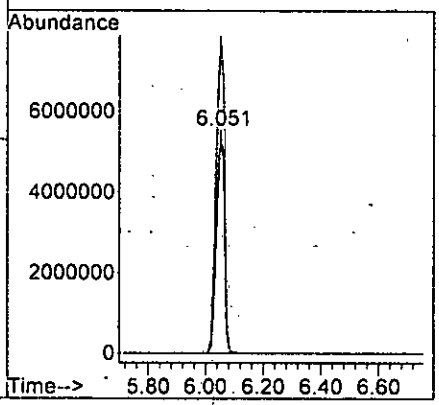


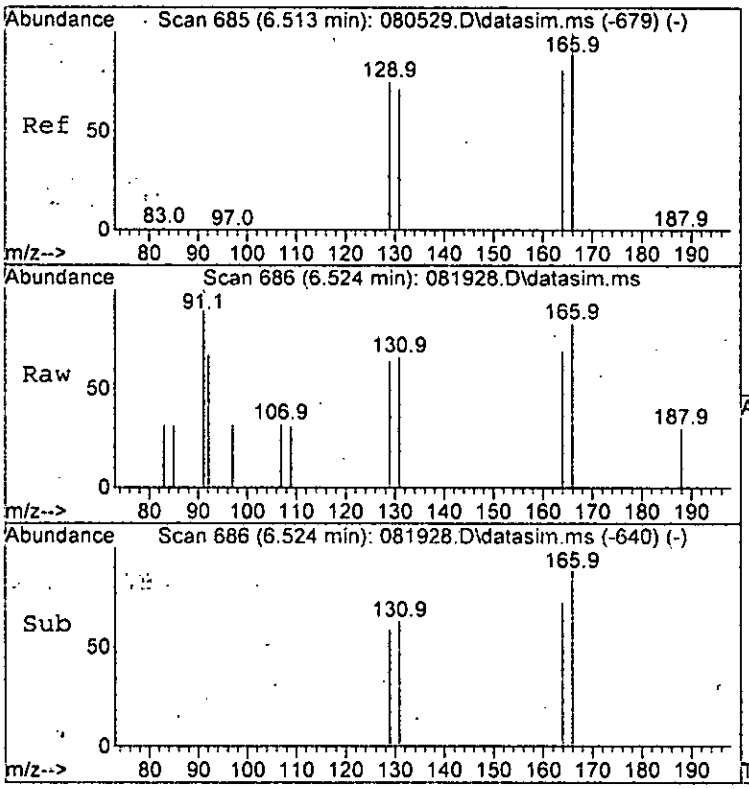


#40
Toluene
Concen: 3029.835 ppb
RT: 6.05 min Scan# 643
Delta R.T. 0.022 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 92 Resp:10902032

Ion	Ratio	Lower	Upper
92	100		
91	142.4	147.4	207.4#

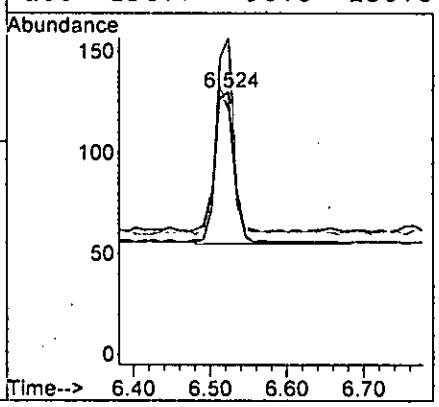


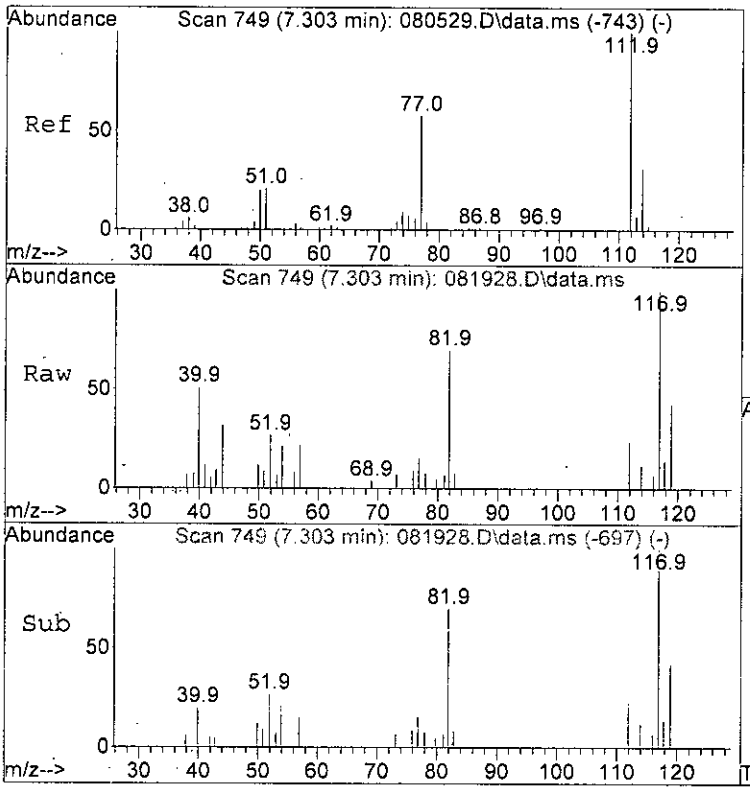


#45
Tetrachloroethene
Concen: 0.059 ppb
RT: 6.52 min Scan# 686
Delta R.T. 0.011 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:164 Resp: 133

Ion	Ratio	Lower	Upper
164	100		
129	80.0	60.3	120.3
131	85.3	57.0	117.0
166	134.7	96.8	156.8

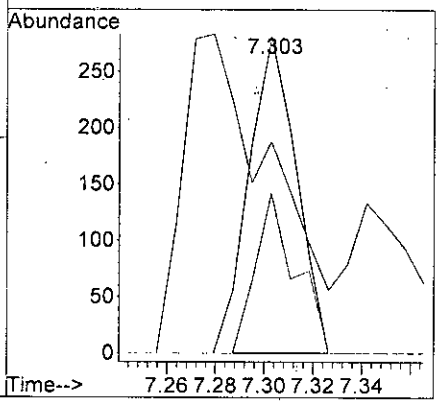


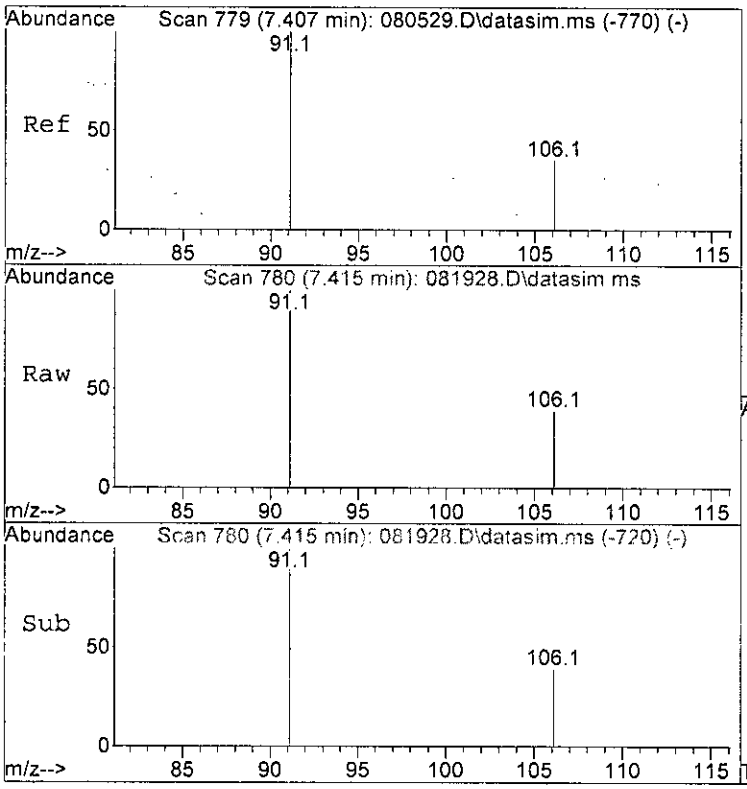


#48
Chlorobenzene
Concen: 0.091 ppb
RT: 7.30 min Scan# 749
Delta R.T. -0.000 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:112 Resp: 378

Ion	Ratio	Lower	Upper
112	100		
77	38.8	23.9	83.9
114	50.5	1.9	61.9

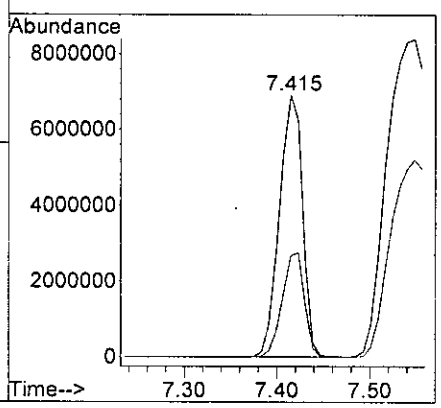


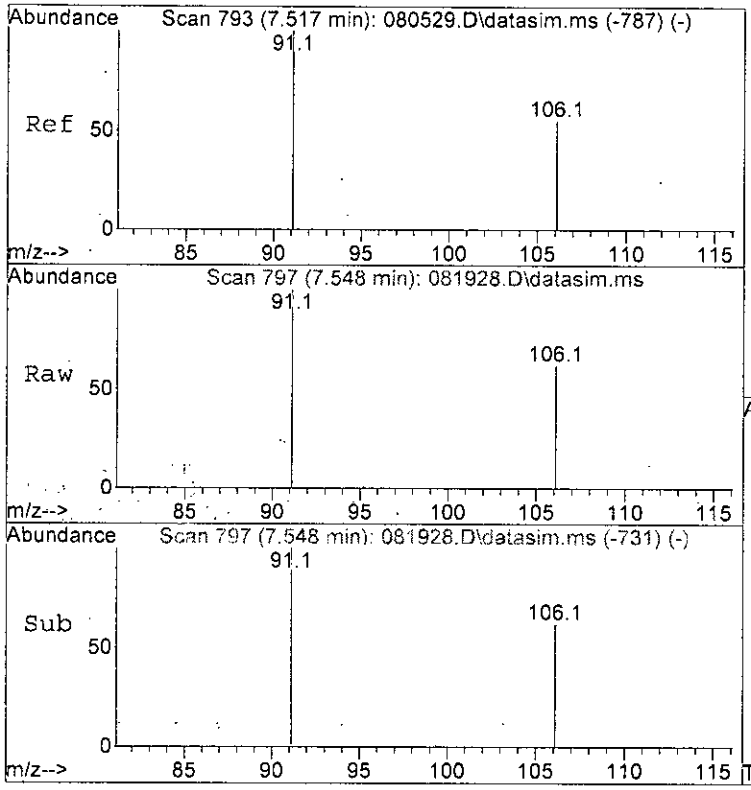


#49
Ethylbenzene
Concen: 1753.492 ppb
RT: 7.41 min Scan# 780
Delta R.T. 0.016 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 91 Resp:11870129

Ion	Ratio	Lower	Upper
91	100		
106	38.7	0.0	57.3

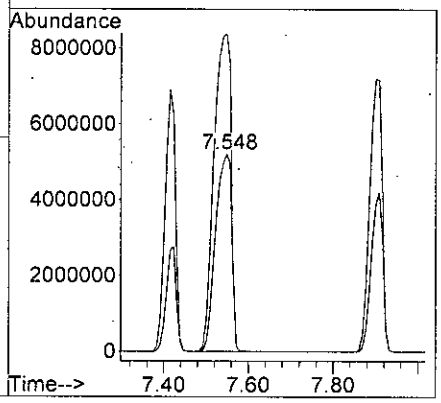


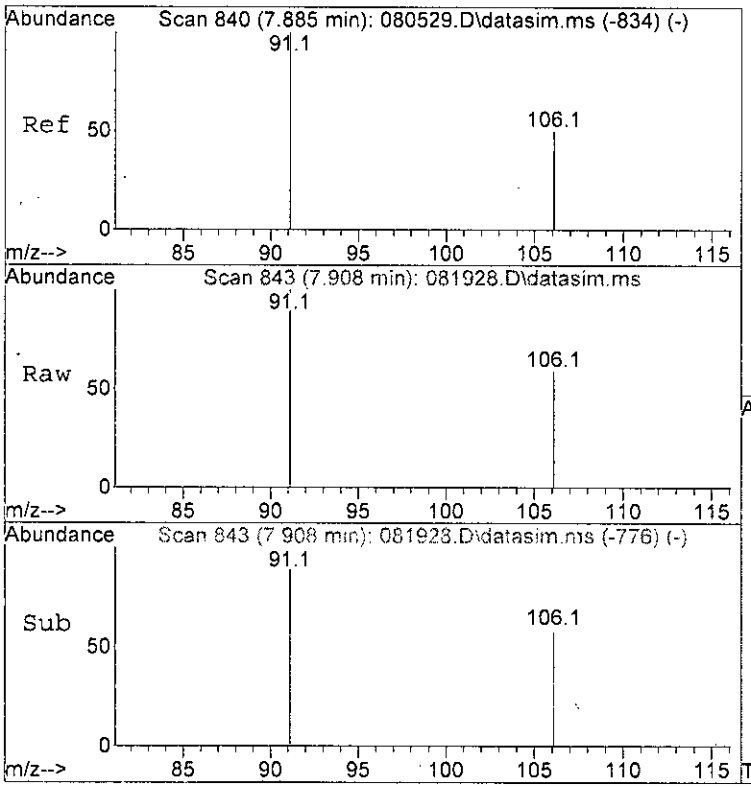


#51
m,p-Xylene
Concen: 5237.719 ppb
RT: 7.55 min Scan# 797
Delta R.T. 0.031 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:106 Resp:13744234

Ion	Ratio	Lower	Upper
106	100		
91	160.8	148.7	208.7

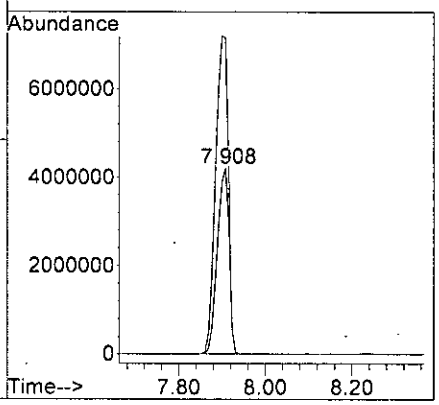


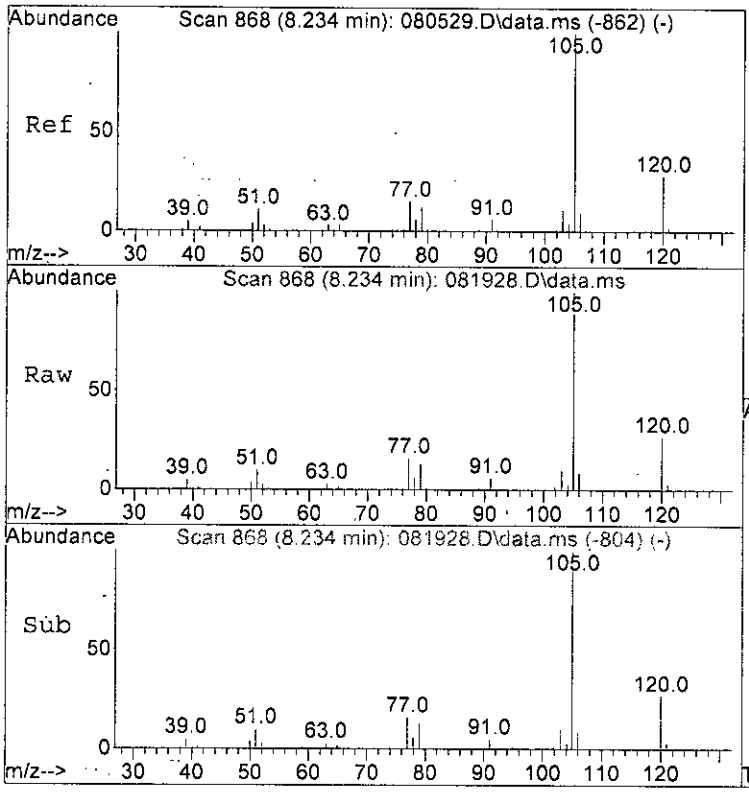


#52
o-Xylene
Concen: 3074.641 ppb
RT: 7.91 min Scan# 843
Delta R.T. 0.023 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:106 Resp: 8008111

Ion	Ratio	Lower	Upper
106	100		
91	170.8	164.0	224.0

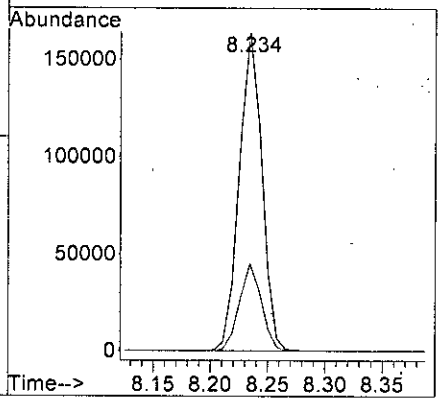


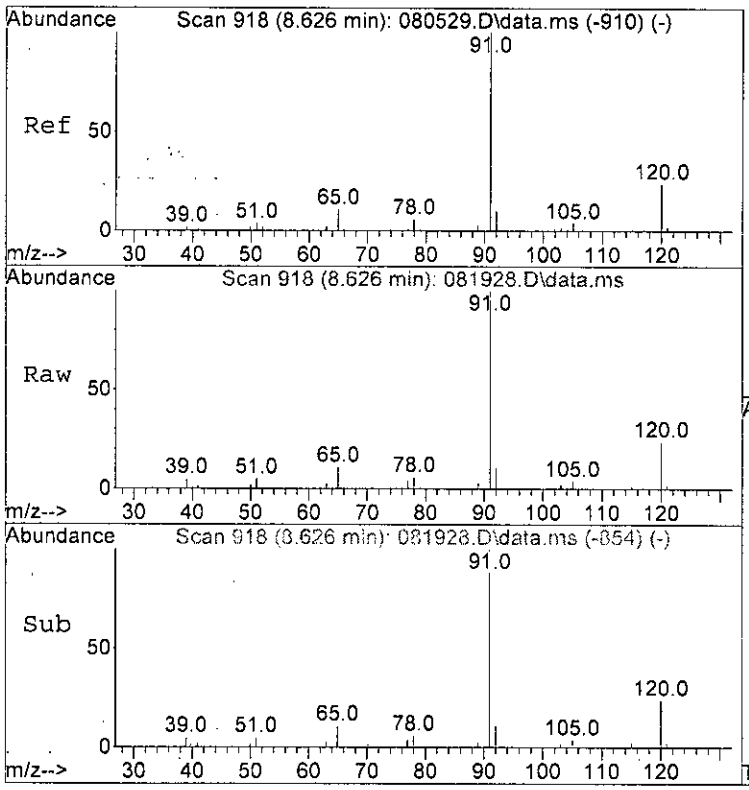


#54
Isopropylbenzene
Concen: 33.043 ppb
RT: 8.23 min Scan# 868
Delta R.T. -0.001 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:105 Resp: 225057

Ion	Ratio	Lower	Upper
105	100		
120	27.4	0.0	55.6

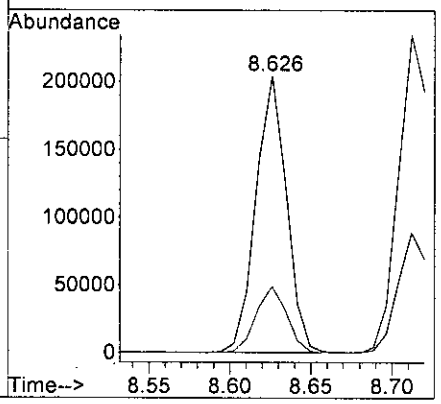


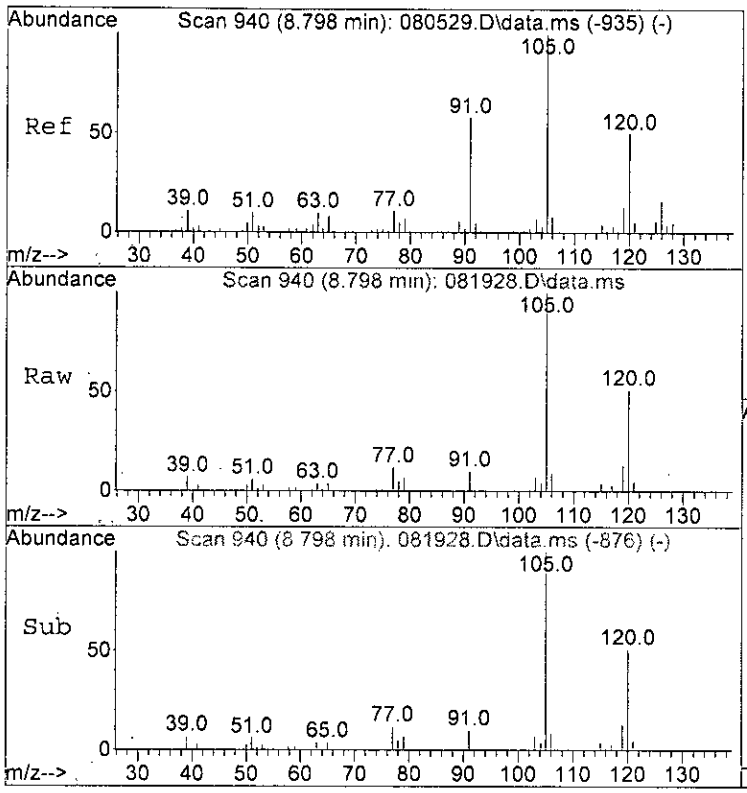


#58
n-Propylbenzene
Concen: 33.572 ppb
RT: 8.63 min Scan# 918
Delta R.T. -0.000 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion: 91 Resp: 268258

Ion	Ratio	Lower	Upper
91	100		
120	24.0	0.0	53.2

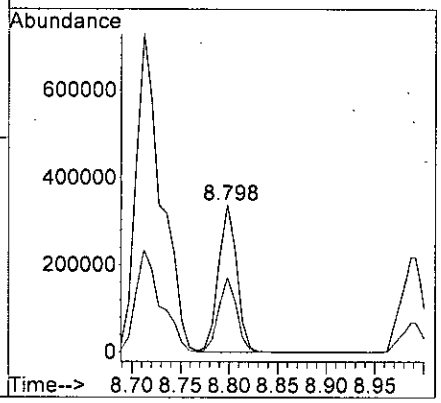


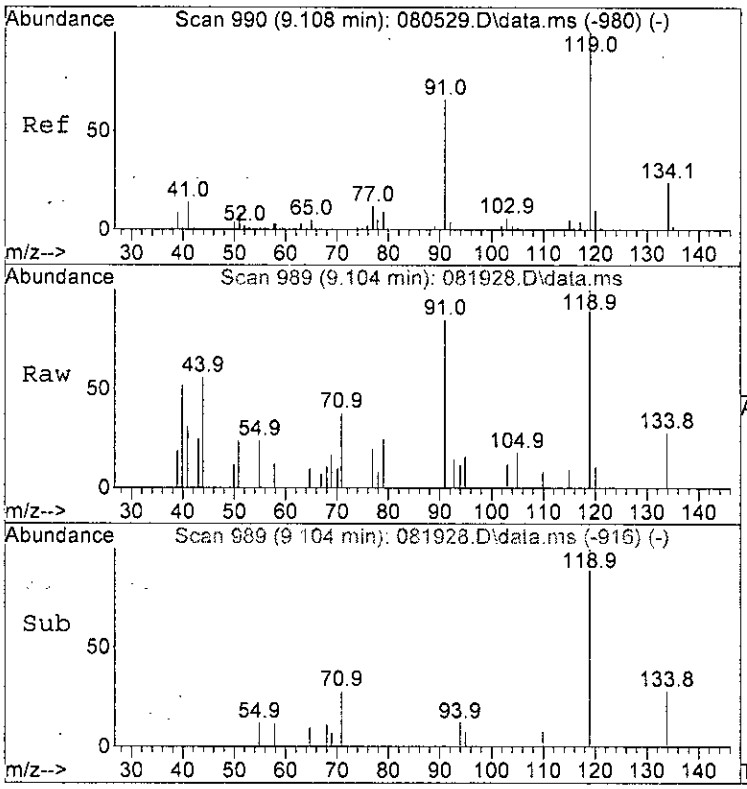


#60
1,3,5-Trimethylbenzene
Concen: 74.883 ppb
RT: 8.80 min Scan# 940
Delta R.T. 0.000 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:105 Resp: 443520

Ion	Ratio	Lower	Upper
105	100		
120	50.7	18.4	78.4

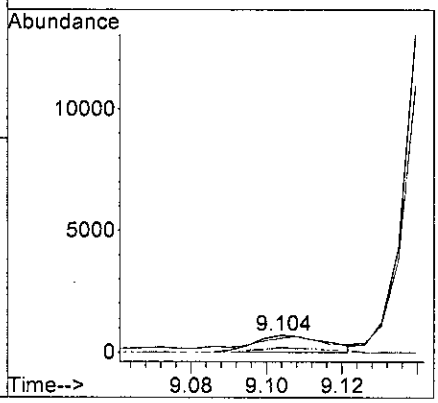


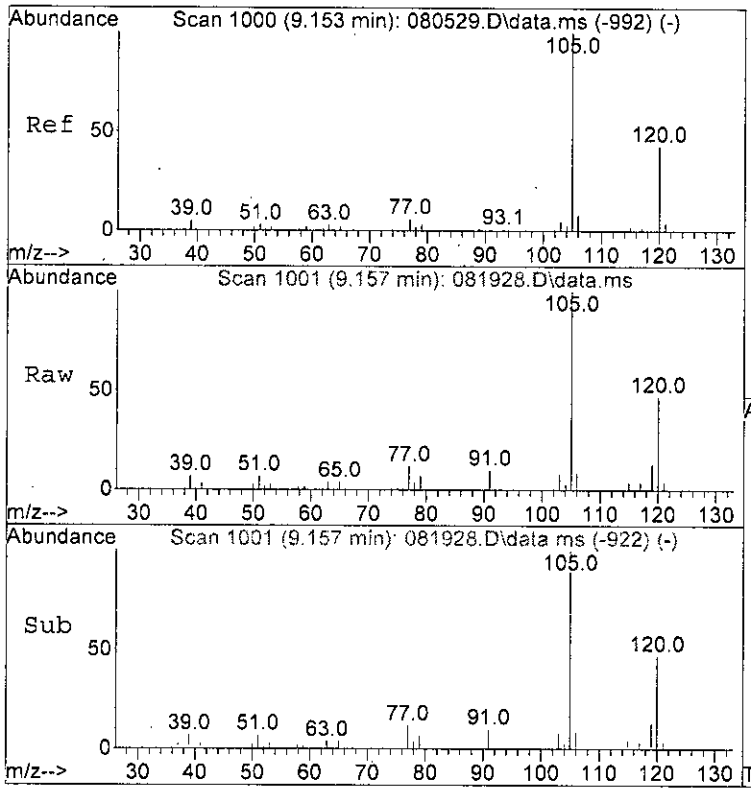


#65
tert-Butylbenzene
Concen: 0.174 ppb
RT: 9.10 min Scan# 989
Delta R.T. -0.004 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:119 Resp: 921

Ion	Ratio	Lower	Upper
119	100		
91	60.6	31.7	91.7
134	27.9	0.0	51.6

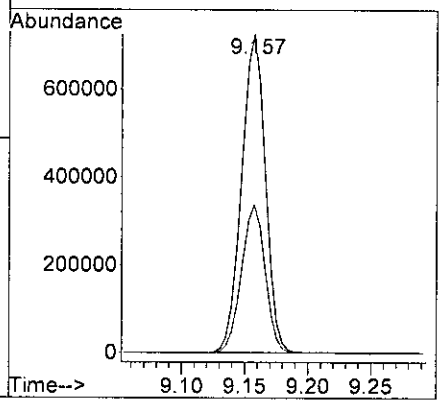


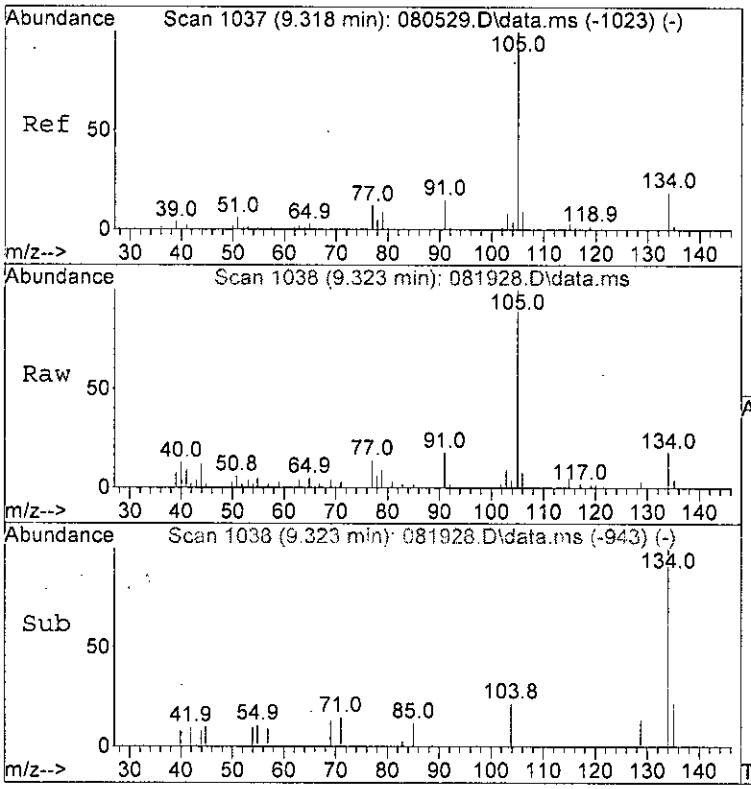


#66
1,2,4-Trimethylbenzene
Concen: 155.742 ppb
RT: 9.16 min Scan# 1001
Delta R.T. 0.000 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:105 Resp: 949313

Ion	Ratio	Lower	Upper
105	100		
120	46.5	17.8	77.8

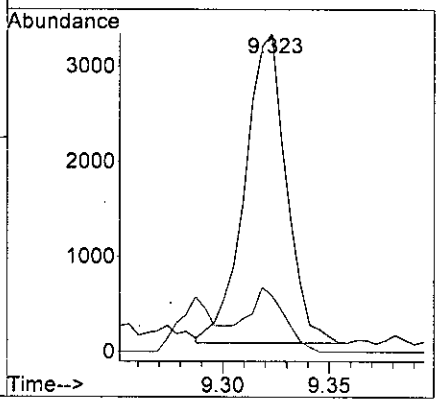


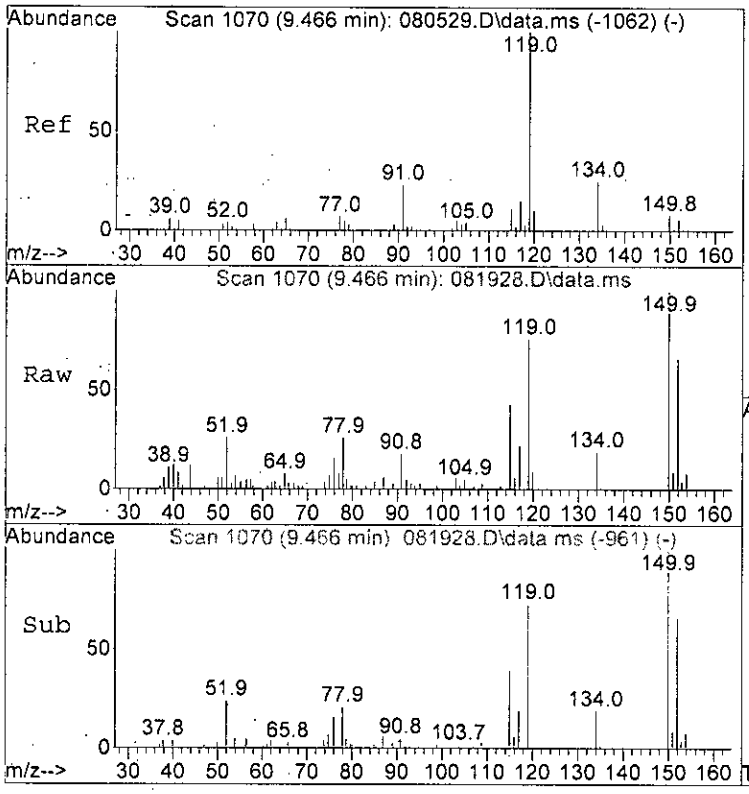


#67
sec-Butylbenzene
Concen: 0.572 ppb
RT: 9.32 min Scan# 1038
Delta R.T. -0.000 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:105 Resp: 4421

Ion	Ratio	Lower	Upper
105	100		
134	18.4	0.0	49.6

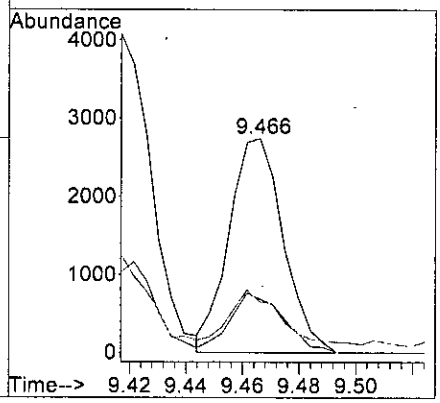


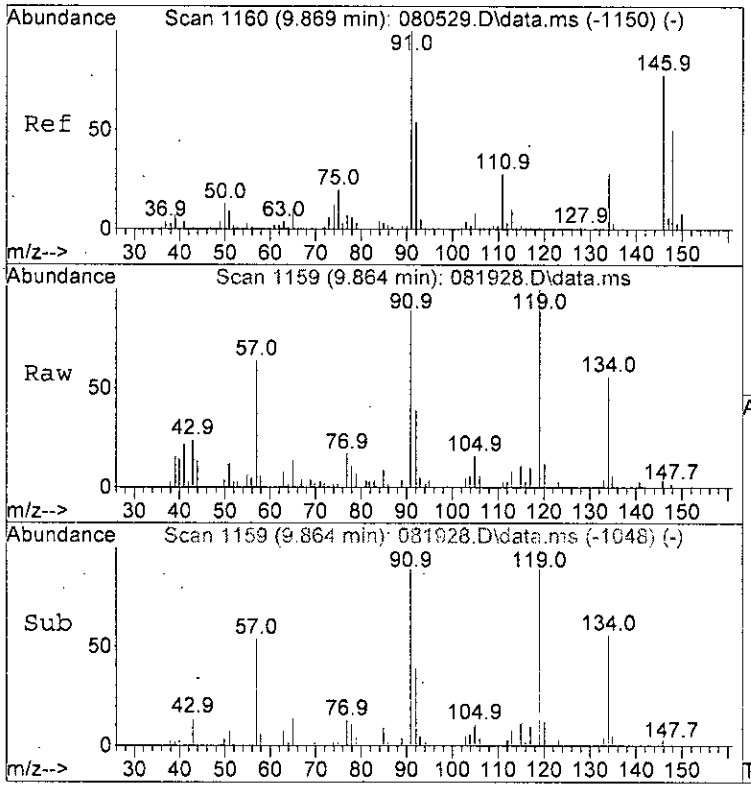


#68
p-Isopropyltoluene
Concen: 0.546 ppb
RT: 9.47 min Scan# 1070
Delta R.T. 0.000 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:119 Resp: 3645

Ion	Ratio	Lower	Upper
119	100		
134	25.0	0.0	56.6
91	18.9	0.0	52.5

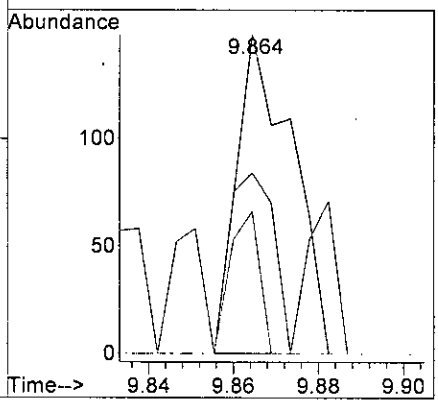


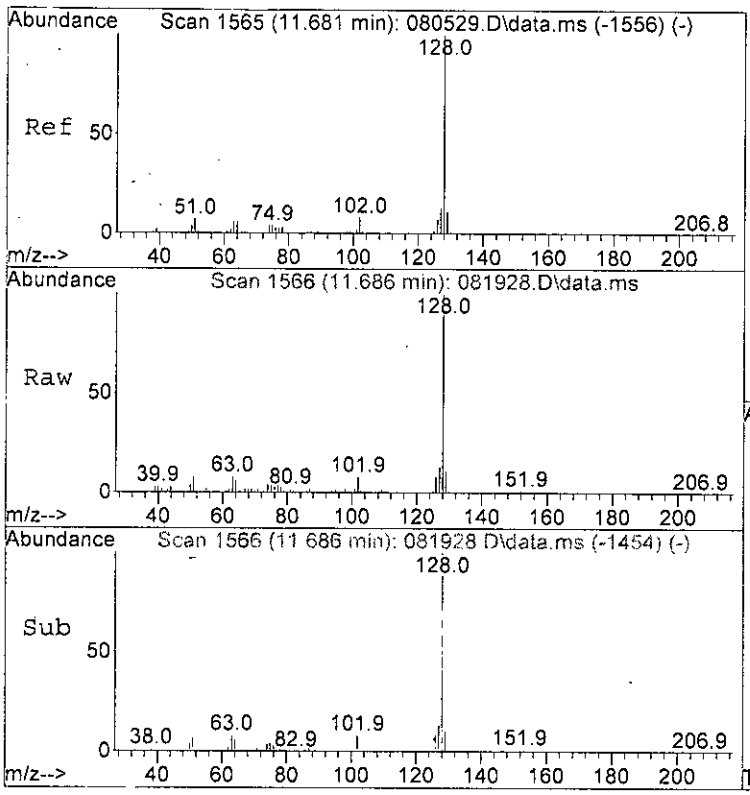


#71
1,2-Dichlorobenzene
Concen: 0.037 ppb
RT: 9.86 min Scan# 1159
Delta R.T. -0.005 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:146 Resp: 134

Ion	Ratio	Lower	Upper
146	100		
111	56.8	9.2	69.2
148	44.6	34.8	94.8

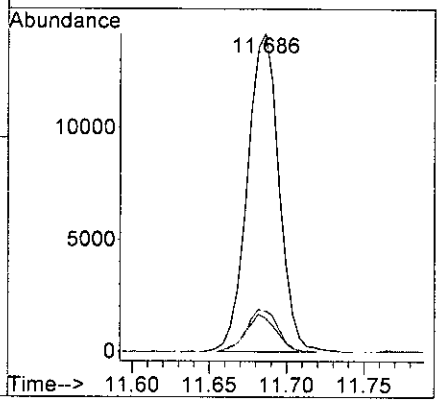




#75
Naphthalene
Concen: 3.807 ppb
RT: 11.69 min Scan# 1566
Delta R.T. 0.000 min
Lab File: 081928.D
Acq: 19 Aug 2022 09:29 pm

Tgt Ion:128 Resp: 20156

Ion	Ratio	Lower	Upper
128	100		
129	10.8	0.0	41.6
127	13.0	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081928.D
Acq On : 19 Aug 2022 09:29 pm
Operator : LM
Sample : 208257-03
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:33:05 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.64	96	55353	10.000 ppb	0.02
39) Chlorobenzene-d5	7.28	117	42326	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25120	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	15670	10.339 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.40%		
30) 1,2-Dichloroethane-d4	4.36	102	3100	9.446 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 94.50%		
35) Toluene-d8	5.98	98	55472	10.420 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 104.20%		
57) 4-Bromofluorobenzene	8.38	95	21288	10.256 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 102.60%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.23	50	2361	0.493 ppb	93
6) Vinyl chloride	1.30	62	104m	0.024 ppb	
7) Bromomethane	0.00		0	N.D. d	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	2.27	58	347	1.254 ppb #	51
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	3.05	57	509	0.221 ppb	72
14) Methylene chloride	2.61	84	9052	0.887 ppb	93
15) t-Butyl alcohol (TBA)	2.76	59	778	4.673 ppb	99
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	3.66	77	52	Below Cal	48
22) cis-1,2-Dichloroethene	3.68	96	707	0.407 ppb	87
23) Chloroform	0.00		0	N.D. d	
24) 2-Butanone (MEK)	0.00		0	N.D. d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D. d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	4.39	78	4128	0.694 ppb	100
32) Trichloroethene	4.94	95	320	0.179 ppb	99
33) 1,2-Dichloropropane	0.00		0	N.D. d	
34) Bromodichloromethane	0.00		0	N.D. d	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D. d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081928.D
Acq On : 19 Aug 2022 09:29 pm
Operator : LM
Sample : 208257-03
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:33:05 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

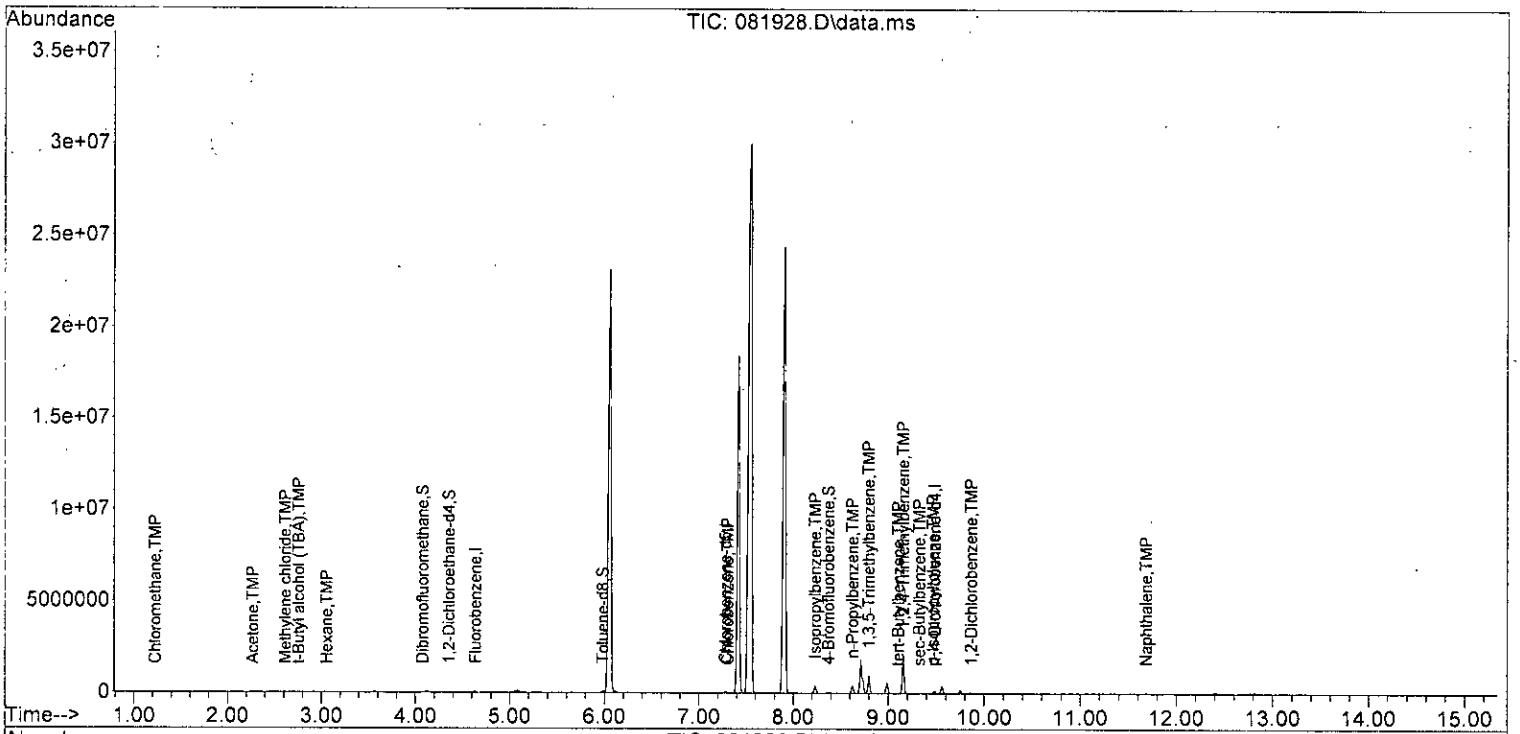
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40] Toluene	6.05	92	10902032	3029.835	ppb	#	75
41) trans-1,3-Dichloropropene	0.00		0	N.D.			
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d		
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.52	164	133	0.059	ppb		93
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	7.30	112	378	0.091	ppb		74
49] Ethylbenzene	7.41	91	11870129	1753.492	ppb		78
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d		
51] m,p-Xylene	7.55	106	13744234	5237.719	ppb		87
52] o-Xylene	7.91	106	8008111	3074.641	ppb		84
53) Styrene	0.00		0	N.D.	d		
54) Isopropylbenzene	8.23	105	225057	33.043	ppb		96
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	268258	33.572	ppb		98
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	8.80	105	443520	74.883	ppb		97
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d		
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	0.00		0	N.D.	d		
64) 4-Chlorotoluene	0.00		0	N.D.	d		
65) tert-Butylbenzene	9.10	119	921	0.174	ppb		96
66) 1,2,4-Trimethylbenzene	9.16	105	949313	155.742	ppb		98
67) sec-Butylbenzene	9.32	105	4421	0.572	ppb		97
68) p-Isopropyltoluene	9.47	119	3645	0.546	ppb		95
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	9.86	146	134	0.037	ppb		73
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d		
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	11.69	128	20156	3.807	ppb		98
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

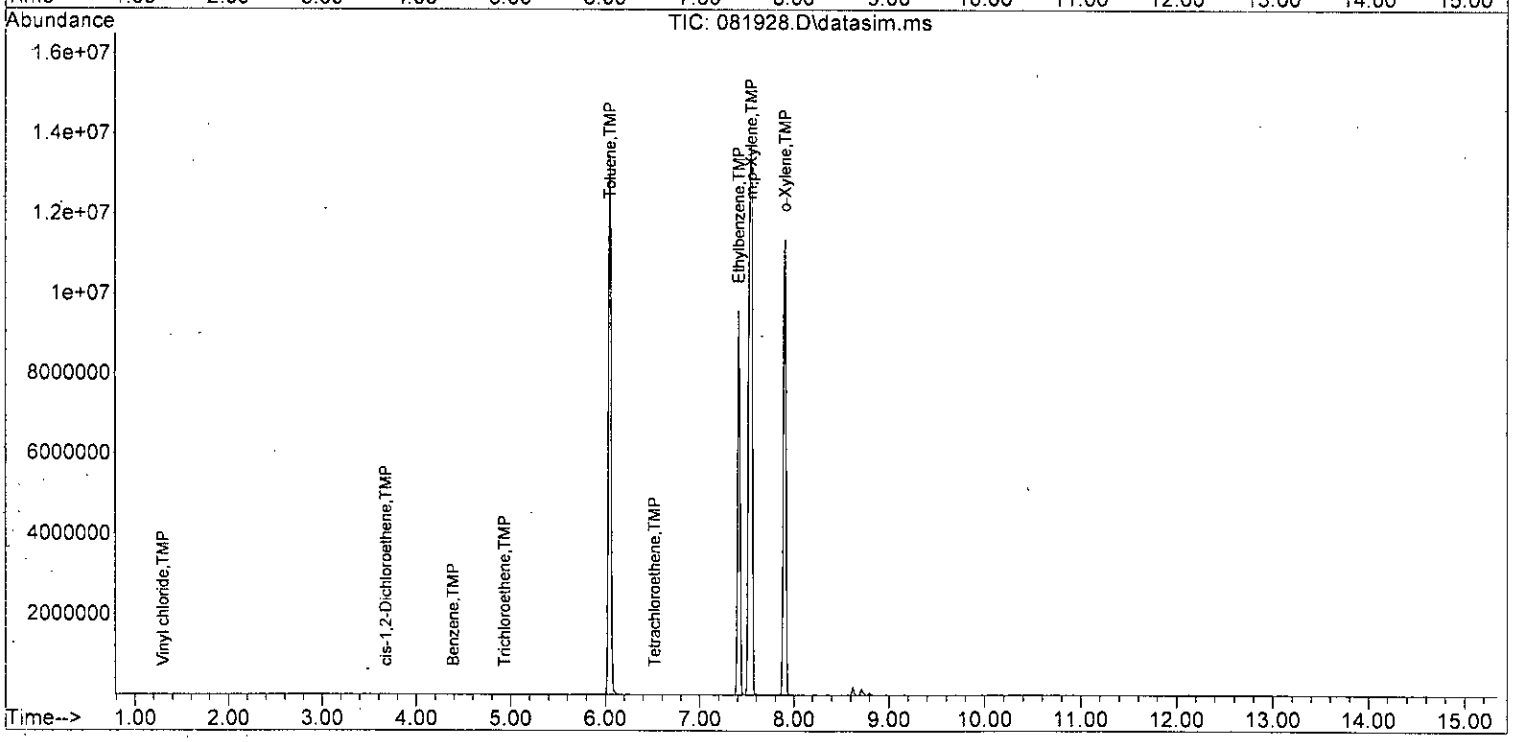
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081928.D
Acq On : 19 Aug 2022 09:29 pm
Operator : LM
Sample : 208257-03
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:33:05 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081929.D
Acq On : 19 Aug 2022 09:51 pm
Operator : LM
Sample : 208257-04
Misc : water
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:35:33 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

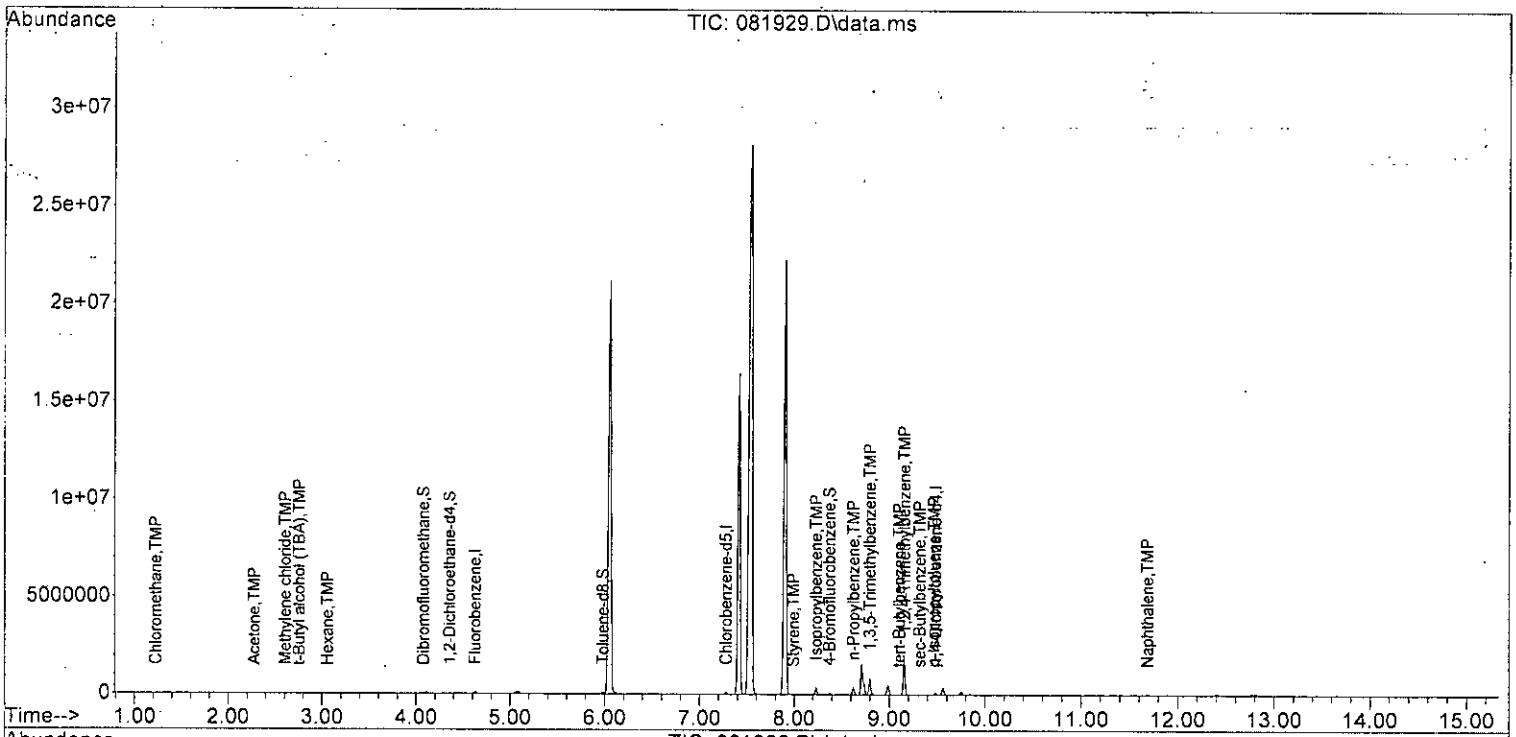
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	54868	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	41090	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23417	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	14859	9.890	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 98.90%				
30) 1,2-Dichloroethane-d4	4.36	102	3044	9.357	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 93.60%				
35) Toluene-d8	5.98	98	53667	10.170	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 101.70%				
57) 4-Bromofluorobenzene	8.38	95	19960	10.316	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 103.20%				
Target Compounds							Qvalue
5) Chloromethane	1.23	50	2162	0.455	ppb		83
6) Vinyl chloride	1.30	62	118m	0.027	ppb		
11) Acetone	2.28	58	261	0.631	ppb	#	1
13) Hexane	3.05	57	462	0.203	ppb		85
14) Methylene chloride	2.61	84	8627	0.682	ppb		97
15) t-Butyl alcohol (TBA)	2.76	59	814	4.933	ppb		94
22] cis-1,2-Dichloroethene	3.67	96	675	0.392	ppb		97
31] Benzene	4.39	78	3947	0.669	ppb		99
32] Trichloroethene	4.94	95	286	0.160	ppb		98
40] Toluene	6.05	92	10012679	2866.371	ppb	#	75
45] Tetrachloroethene	6.51	164	124	0.055	ppb		98
49] Ethylbenzene	7.41	91	10746810	1635.305	ppb		78
51] m,p-Xylene	7.55	106	12363347	4853.205	ppb		90
52] o-Xylene	7.91	106	6971742	2757.253	ppb		82
53) Styrene	7.99	104	79	0.019	ppb		88
54) Isopropylbenzene	8.23	105	201049	30.406	ppb		98
58) n-Propylbenzene	8.63	91	240805	32.328	ppb		97
60) 1,3,5-Trimethylbenzene	8.80	105	383785	69.510	ppb		98
65) tert-Butylbenzene	9.10	119	801	0.162	ppb		93
66) 1,2,4-Trimethylbenzene	9.16	105	826883	145.522	ppb		97
67) sec-Butylbenzene	9.32	105	3957	0.549	ppb		97
68) p-Isopropyltoluene	9.47	119	3195	0.513	ppb		99
75) Naphthalene	11.69	128	17514	3.548	ppb		98

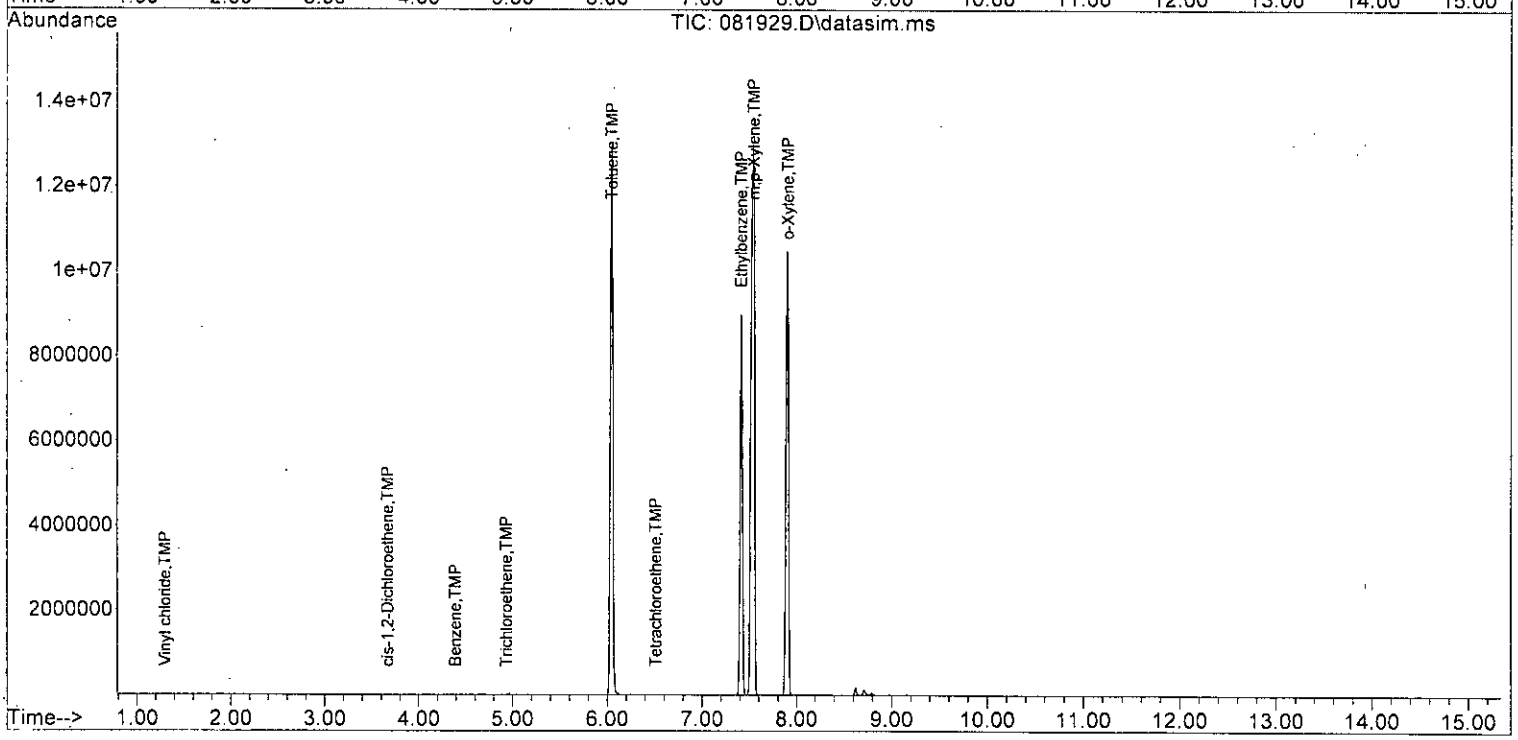
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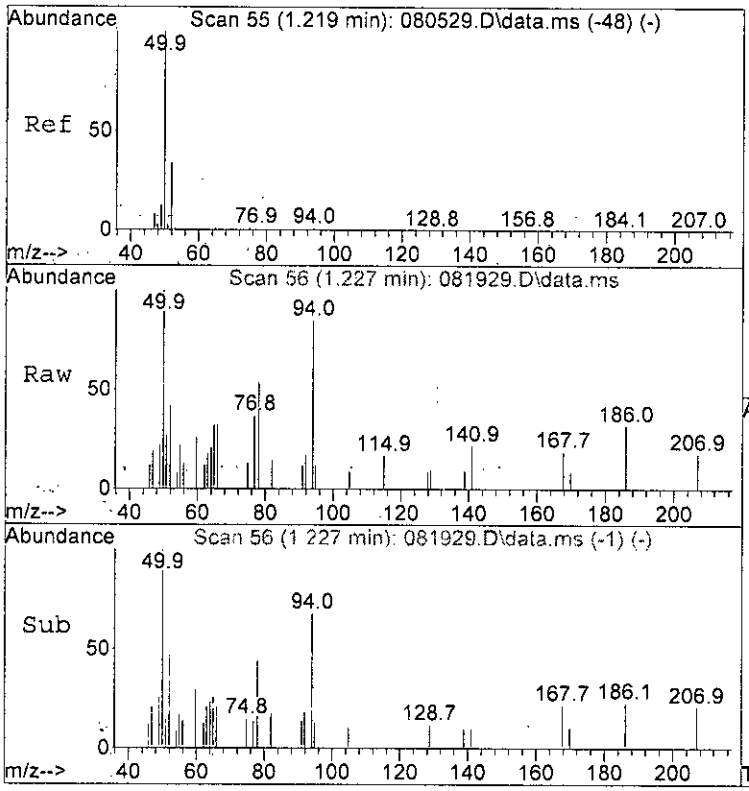
Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081929.D
Acq On : 19 Aug 2022 09:51 pm
Operator : LM
Sample : 208257-04
Misc : water
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:35:33 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



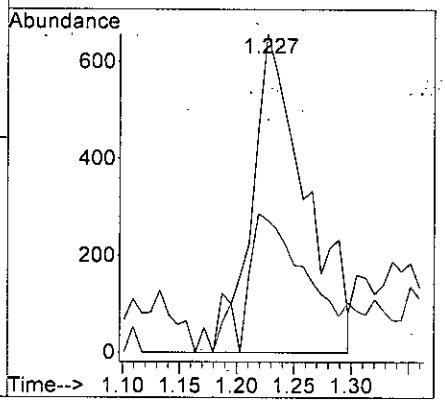


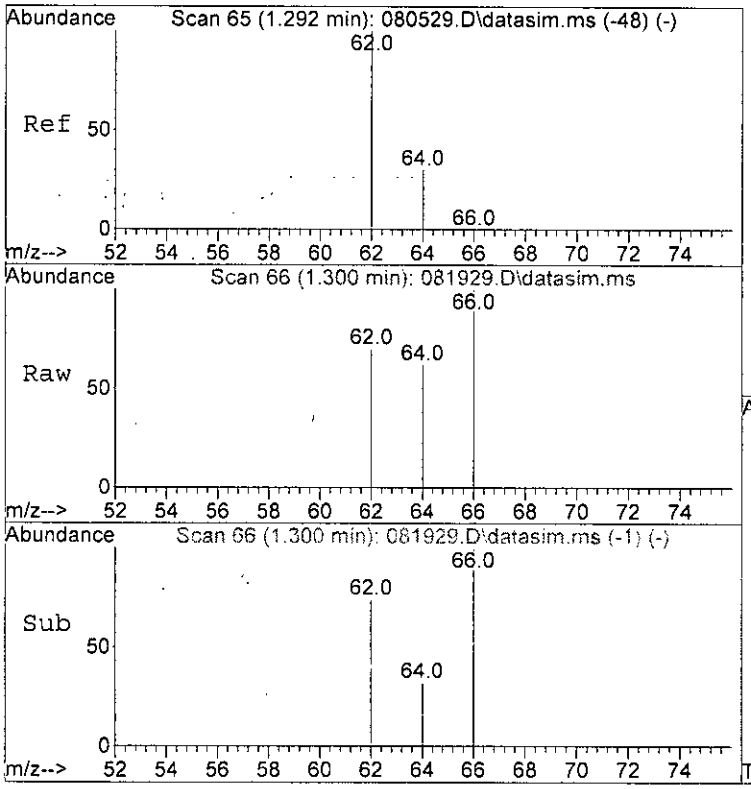


#5
Chloromethane
Concen: 0.455 ppb
RT: 1.23 min Scan# 56
Delta R.T. 0.008 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 50 Resp: 2162

Ion	Ratio	Lower	Upper
50	100		
52	41.6	2.3	62.3

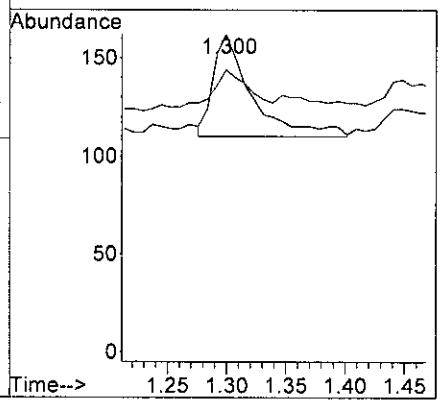


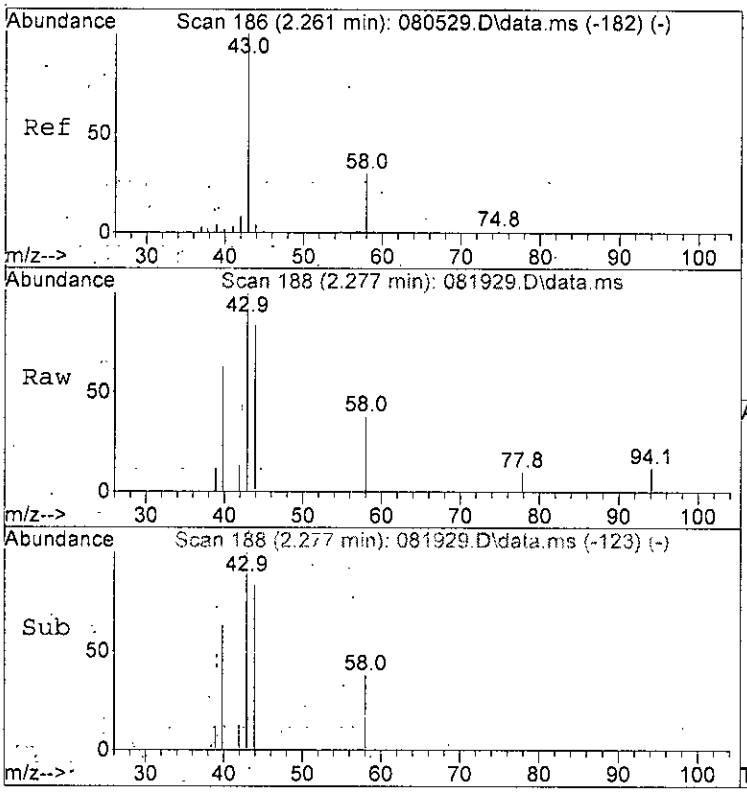


#6
Vinyl chloride
Concen: 0.027 ppb m
RT: 1.30 min Scan# 66
Delta R.T. 0.008 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 62 Resp: 118

Ion	Ratio	Lower	Upper
62	100		
64	88.9	1.6	61.6#

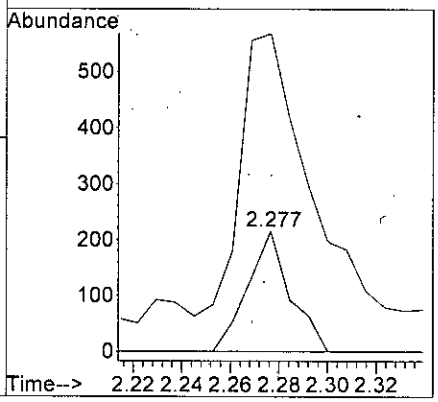


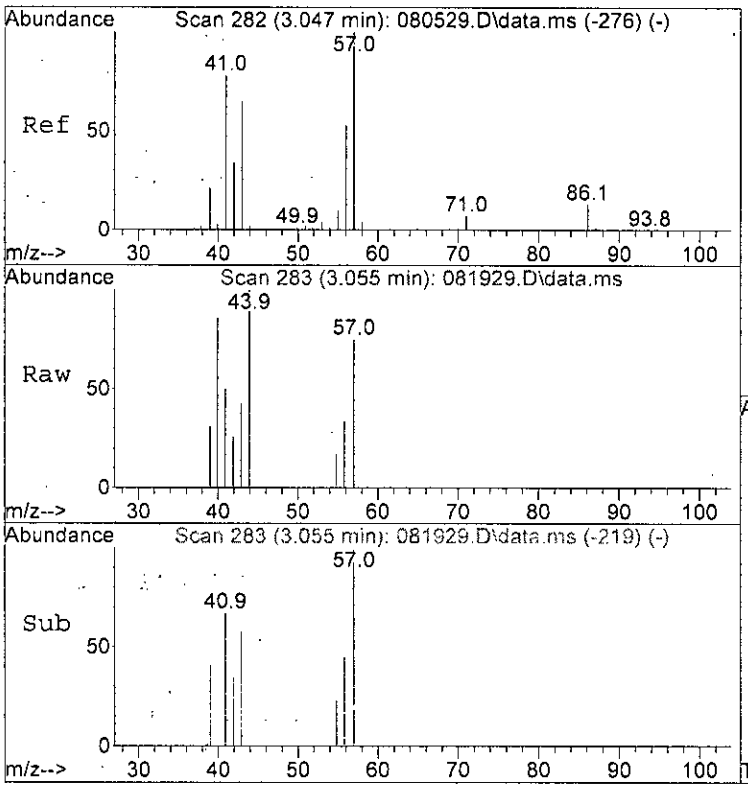


#11
Acetone
Concen: 0.631 ppb
RT: 2.28 min Scan# 188
Delta R.T. 0.024 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 58 Resp: 261

Ion	Ratio	Lower	Upper
58	100		
43	571.3	298.5	358.5#

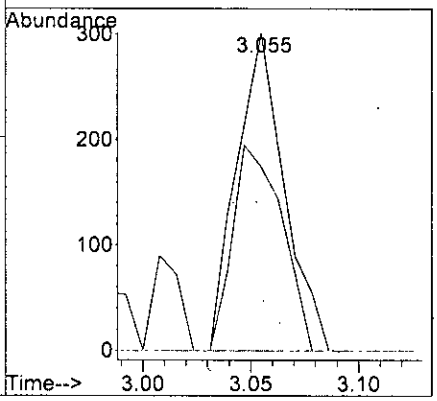


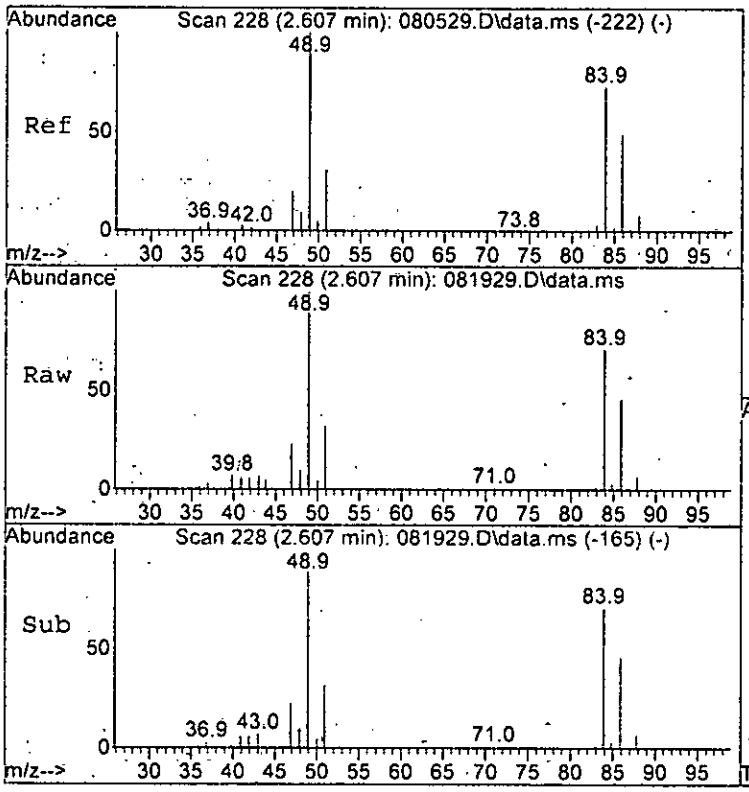


#13
Hexane
Concen: 0.203 ppb
RT: 3.05 min Scan# 283
Delta R.T. 0.016 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 57 Resp: 462

Ion	Ratio	Lower	Upper
57	100		
43	57.8	35.4	95.4
86	0.0	0.0	45.4

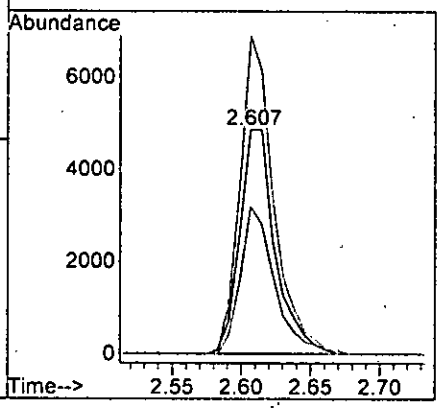


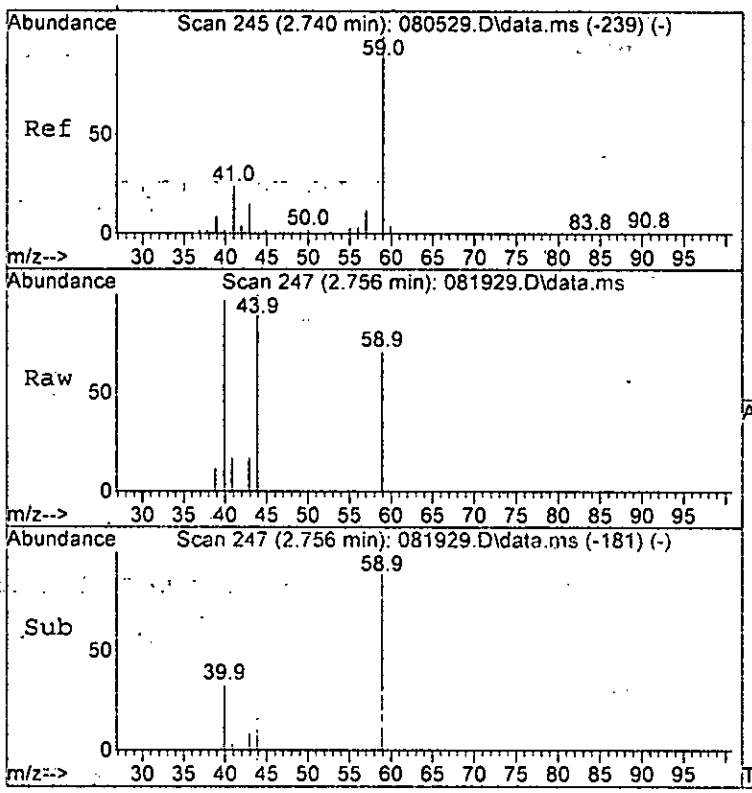


#14
Methylene chloride
Concen: 0.682 ppb
RT: 2.61 min Scan# 228
Delta R.T. 0.008 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 84 Resp: 8627

Ion	Ratio	Lower	Upper
84	100		
86	65.5	38.7	98.7
49	141.8	114.1	174.1

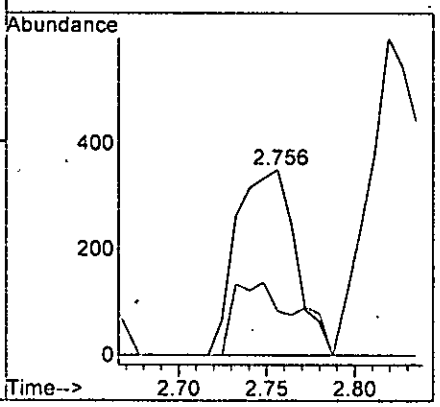


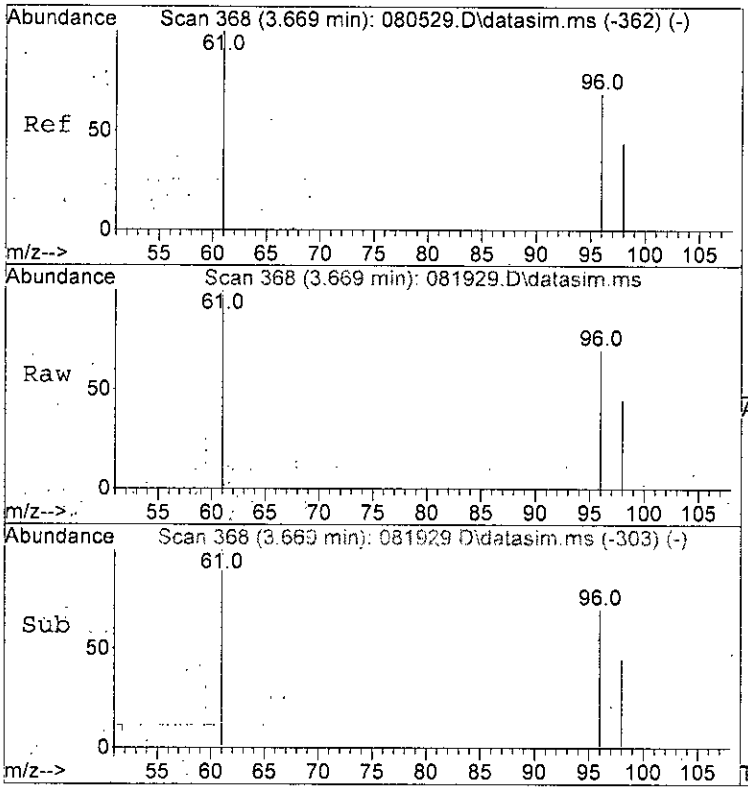


#15
t-Butyl alcohol (TBA)
Concen: 4.933 ppb
RT: 2.76 min Scan# 247
Delta R.T. 0.031 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 59 Resp: 814

Ion	Ratio	Lower	Upper
59	100		
41	23.7	0.0	51.0

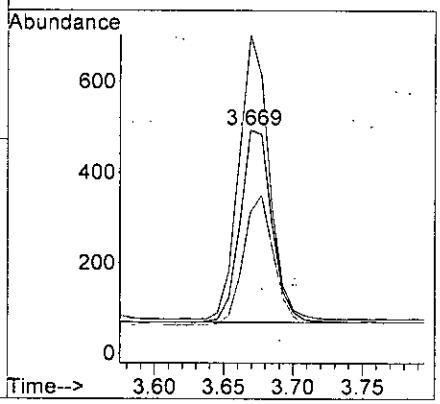


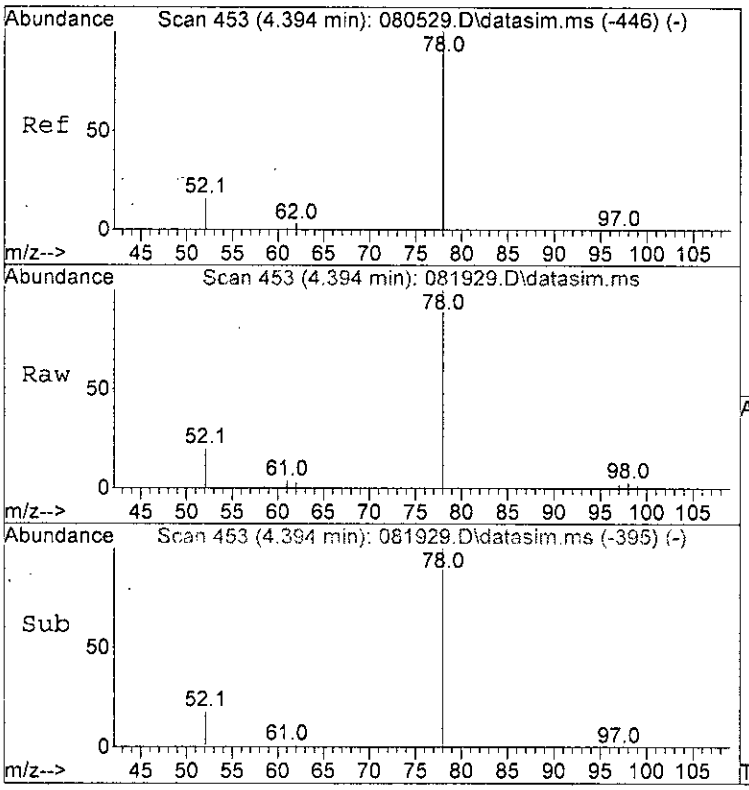


#22
cis-1,2-Dichloroethene
Concen: 0.392 ppb
RT: 3.67 min Scan# 368
Delta R.T. 0.008 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 96 Resp: 675

Ion	Ratio	Lower	Upper
96	100		
61	147.5	119.0	179.0
98	58.6	33.0	93.0

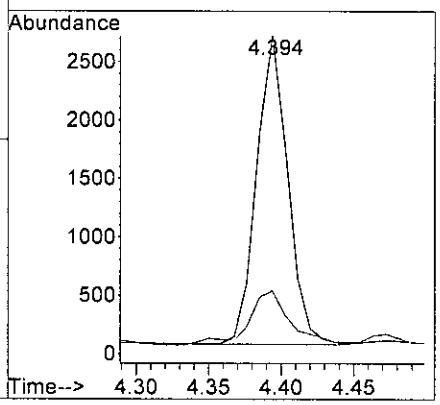


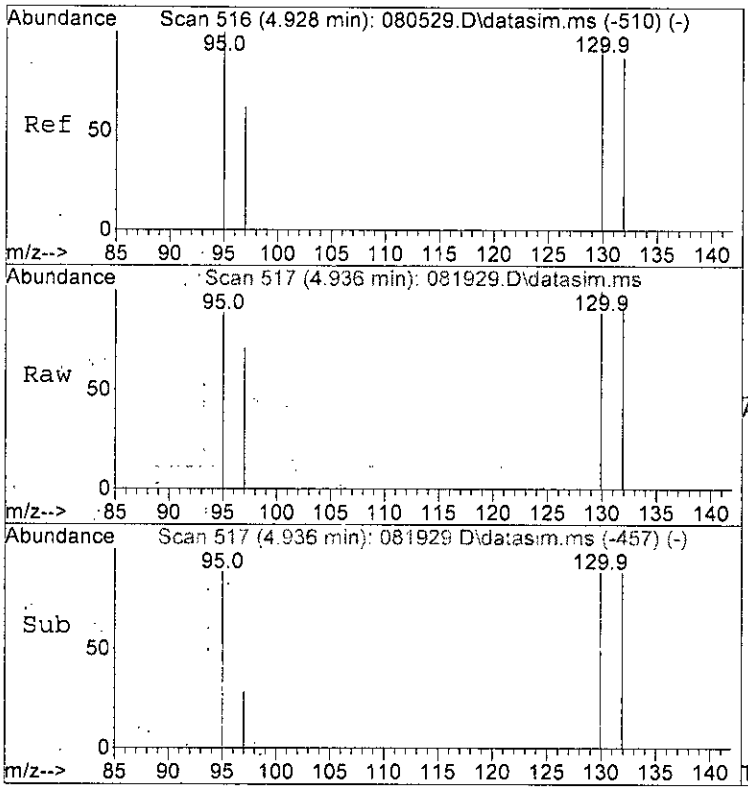


#31
Benzene
Concen: 0.669 ppb
RT: 4.39 min Scan# 453
Delta R.T. 0.009 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 78 Resp: 3947

Ion	Ratio	Lower	Upper
78	100		
52	17.2	0.0	47.5

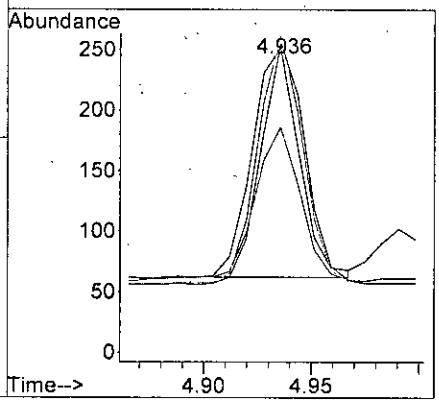


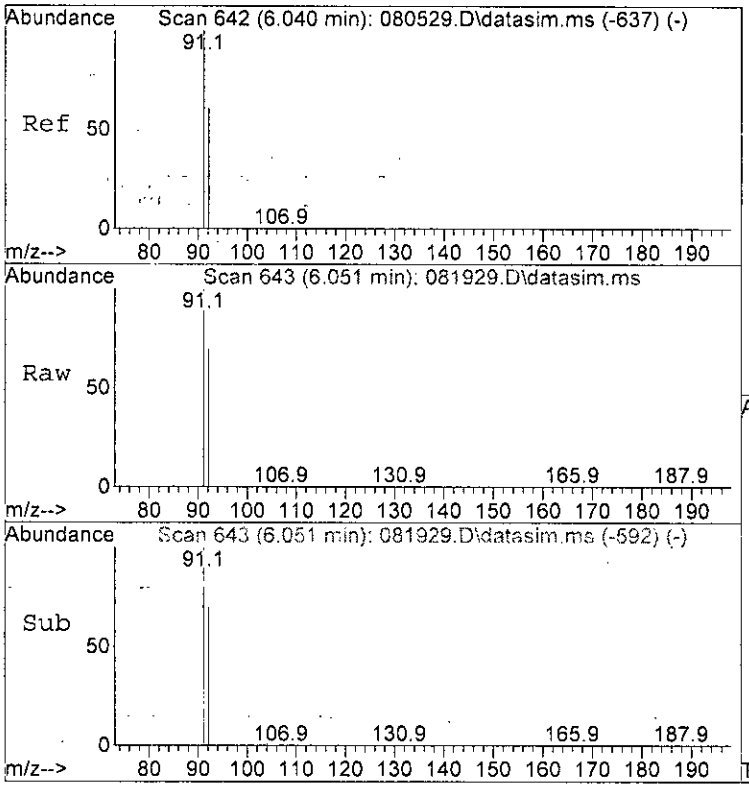


#32
Trichloroethene
Concen: 0.160 ppb
RT: 4.94 min Scan# 517
Delta R.T. 0.008 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 95 Resp: 286

Ion	Ratio	Lower	Upper
95	100		
97	66.3	36.4	96.4
130	107.9	82.2	142.2
132	105.3	76.6	136.6

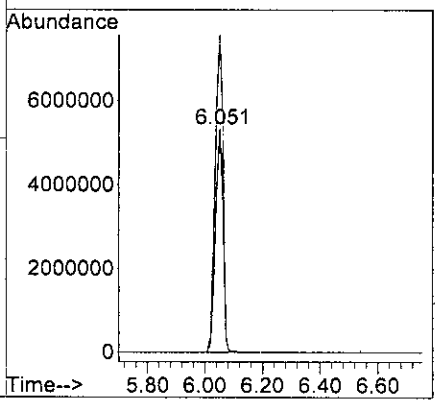


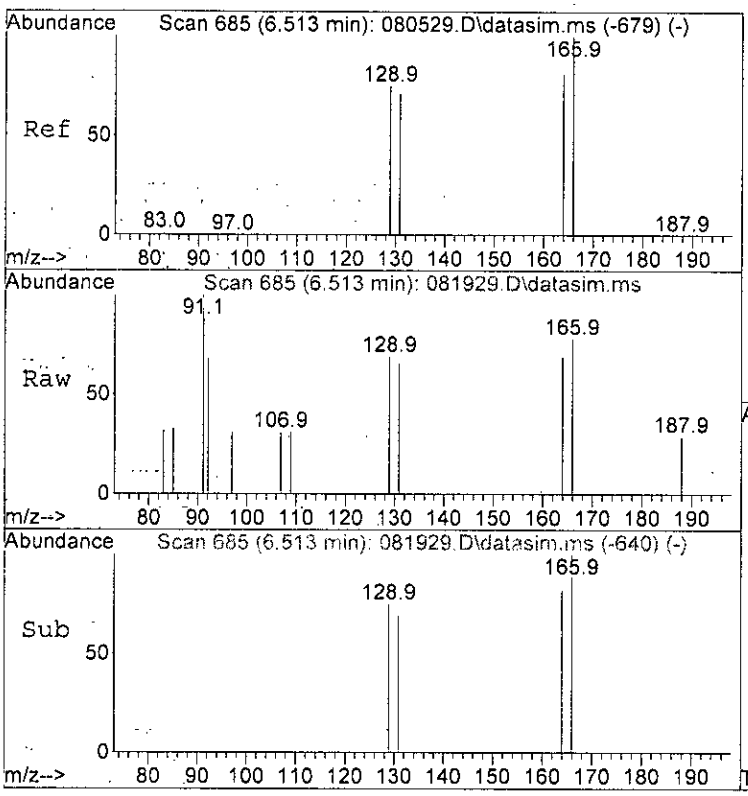


#40
Toluene
Concen: 2866.371 ppb
RT: 6.05 min Scan# 643
Delta R.T. 0.022 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 92 Resp:10012679

Ion	Ratio	Lower	Upper
92	100		
91	142.5	147.4	207.4#

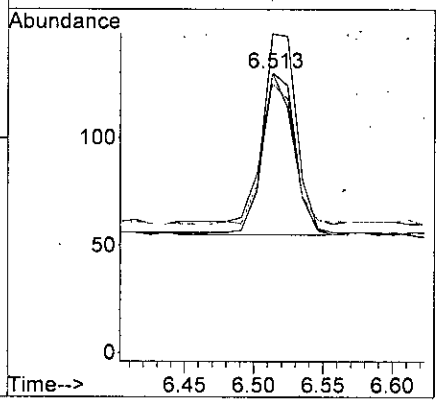


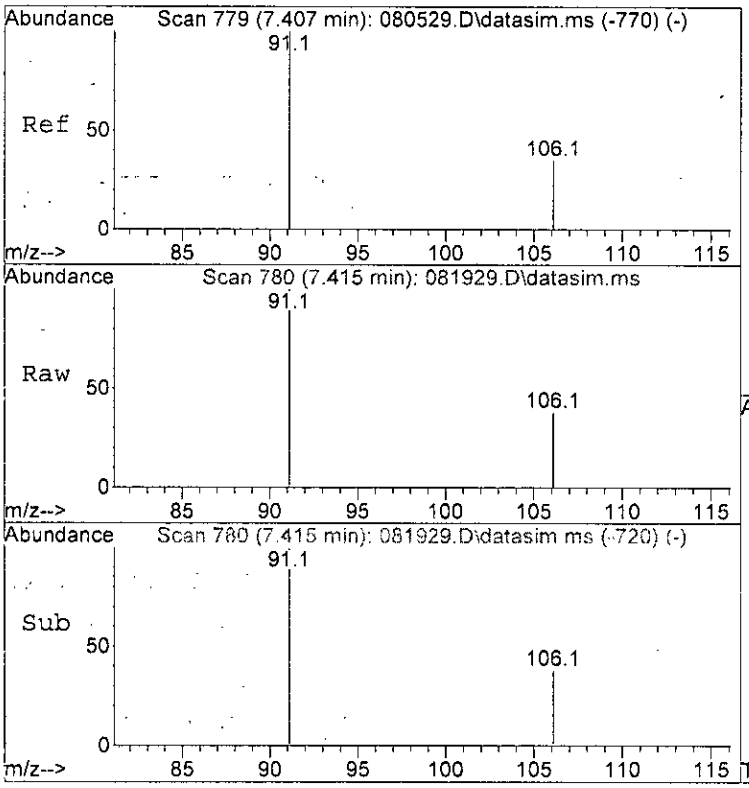


#45
Tetrachloroethene
Concen: 0.055 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:164 Resp: 124

Ion	Ratio	Lower	Upper
164	100		
129	92.0	60.3	120.3
131	86.7	57.0	117.0
166	122.7	96.8	156.8

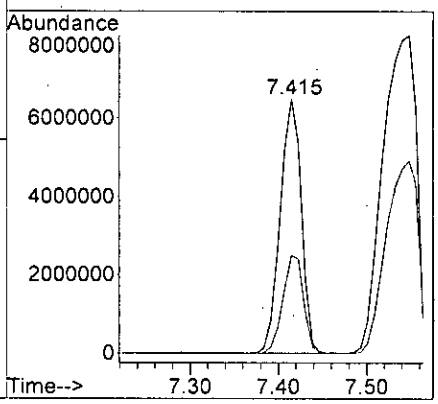


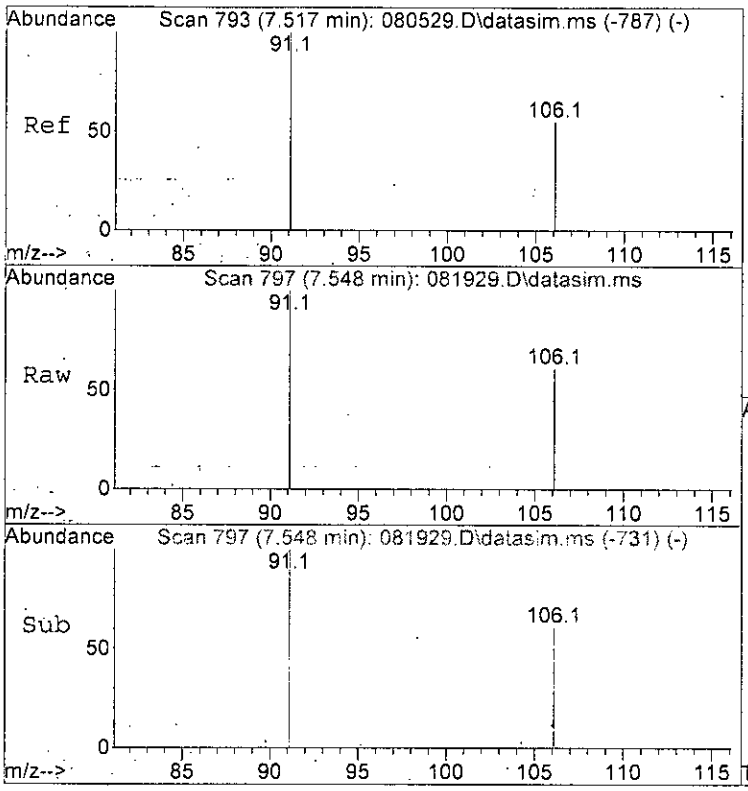


#49
Ethylbenzene
Concen: 1635.305 ppb
RT: 7.41 min Scan# 780
Delta R.T. 0.016 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 91 Resp:10746810

Ion	Ratio	Lower	Upper
91	100		
106	38.5	0.0	57.3

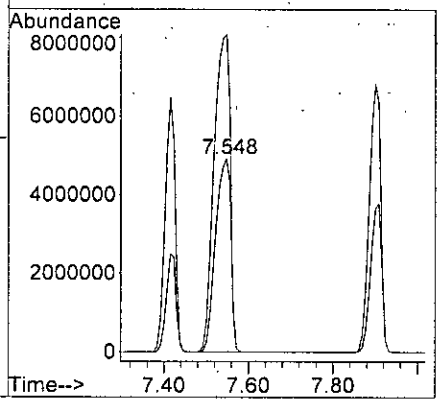


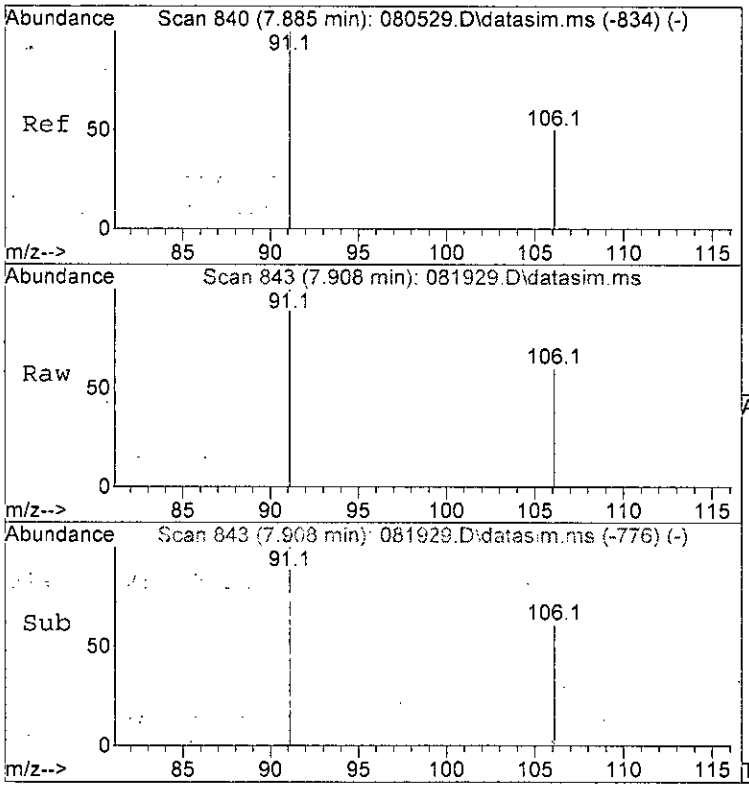


#51
m,p-Xylene
Concen: 4853.205 ppb
RT: 7.55 min Scan# 797
Delta R.T. 0.031 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:106 Resp:12363347

Ion	Ratio	Lower	Upper
106	100		
91	164.6	148.7	208.7

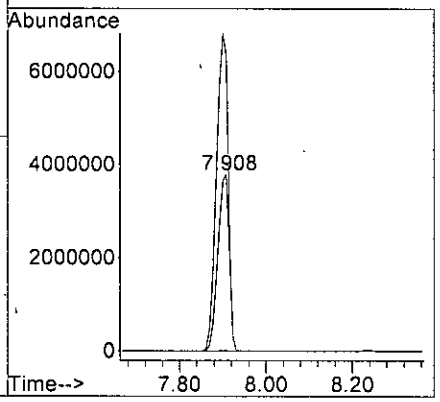


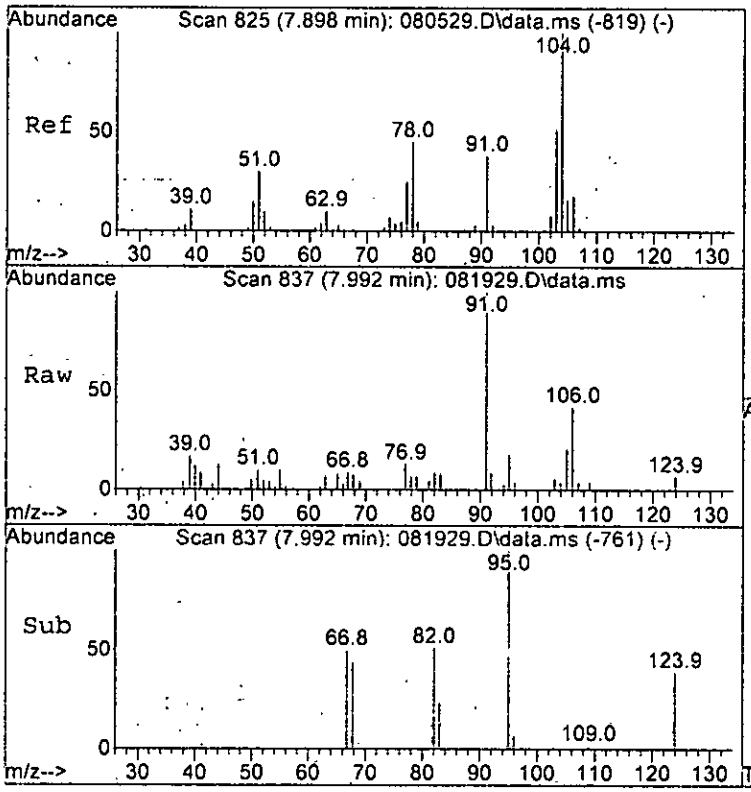


#52
o-Xylene
Concen: 2757.253 ppb
RT: 7.91 min Scan# 843
Delta R.T. 0.023 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:106 Resp: 6971742

Ion	Ratio	Lower	Upper
106	100		
91	167.9	164.0	224.0

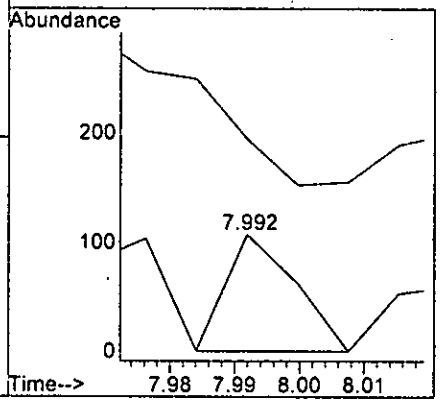


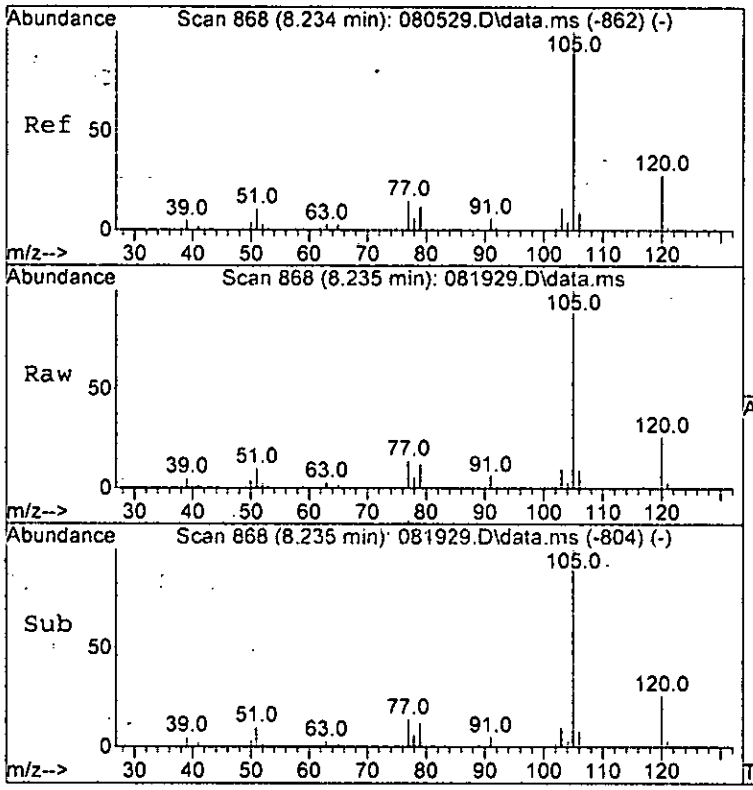


#53
Styrene
Concen: 0.019 ppb
RT: 7.99 min Scan# 837
Delta R.T. 0.094 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:104 Resp: 79

Ion	Ratio	Lower	Upper
104	100		
78	36.4	14.5	74.5

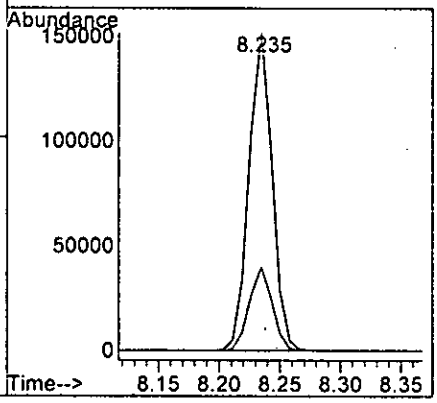


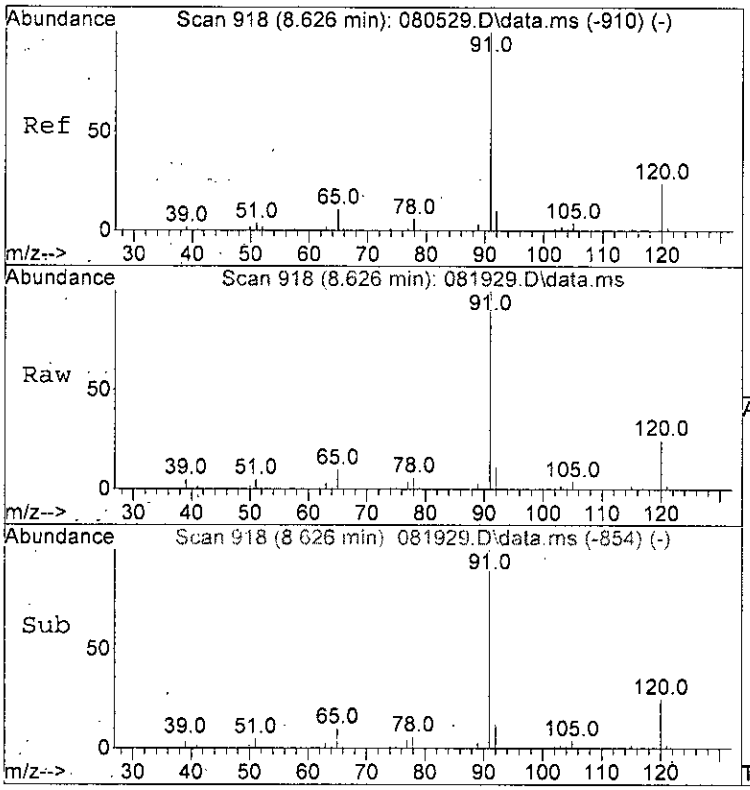


#54
Isopropylbenzene
Concen: 30.406 ppb
RT: 8.23 min Scan# 868
Delta R.T. -0.000 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:105 Resp: 201049

Ion	Ratio	Lower	Upper
105	100		
120	26.4	0.0	55.6

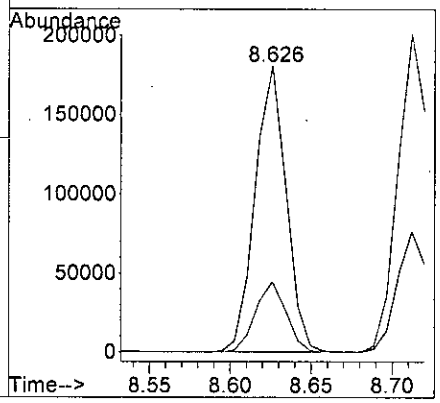


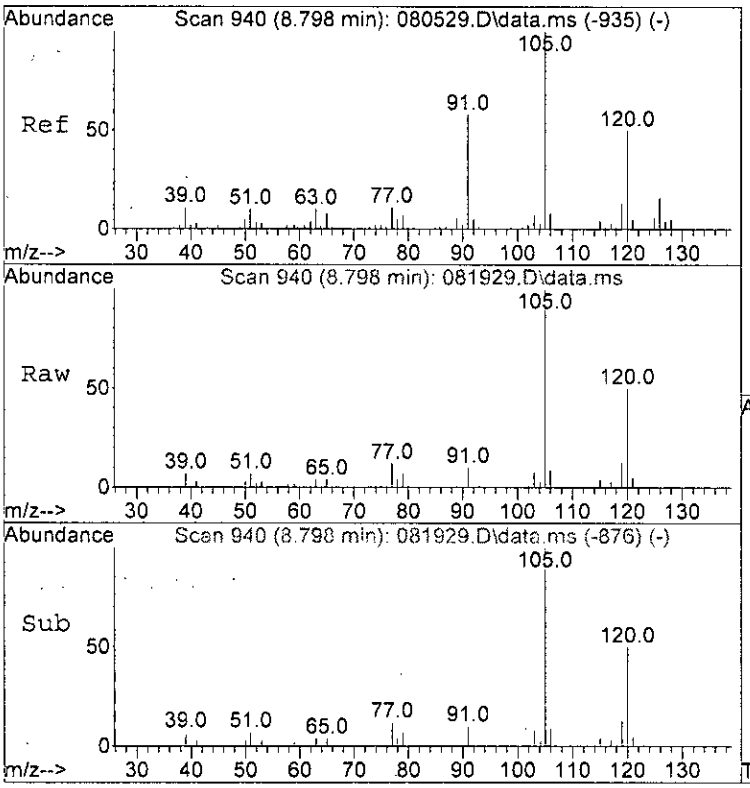


#58
n-Propylbenzene
Concen: 32.328 ppb
RT: 8.63 min Scan# 918
Delta R.T. 0.000 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion: 91 Resp: 240805

Ion	Ratio	Lower	Upper
91	100		
120	24.8	0.0	53.2

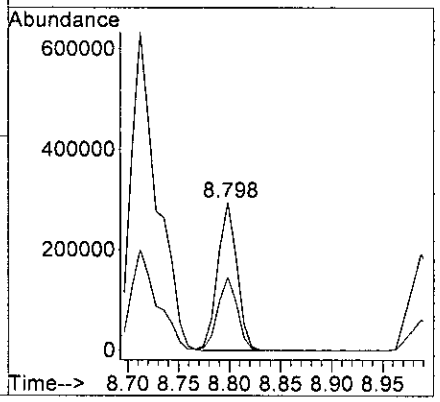


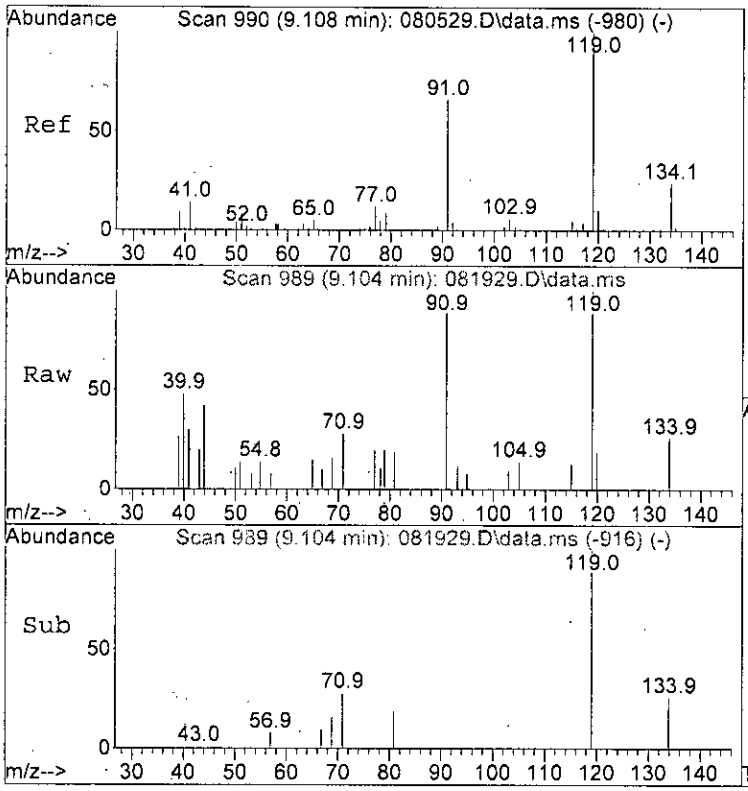


#60
1,3,5-Trimethylbenzene
Concen: 69.510 ppb
RT: 8.80 min Scan# 940
Delta R.T. 0.000 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:105 Resp: 383785

Ion	Ratio	Lower	Upper
105	100		
120	49.5	18.4	78.4

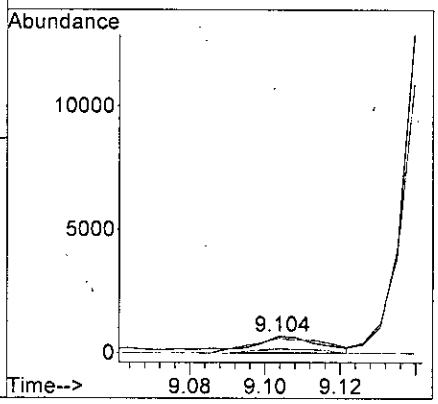


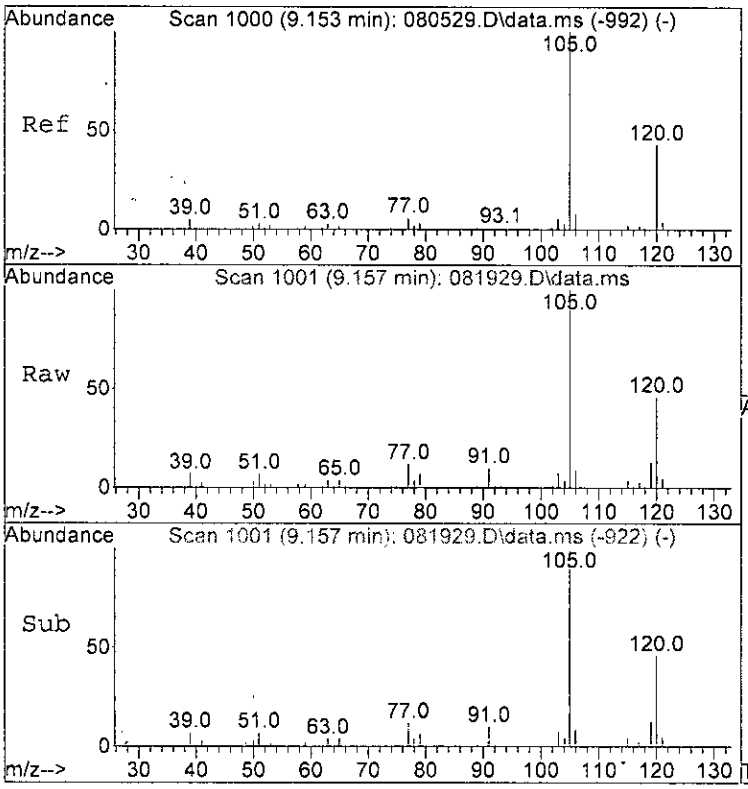


#65
tert-Butylbenzene
Concen: 0.162 ppb
RT: 9.10 min Scan# 989
Delta R.T. -0.004 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:119 Resp: 801

Ion	Ratio	Lower	Upper
119	100		
91	67.0	31.7	91.7
134	25.7	0.0	51.6

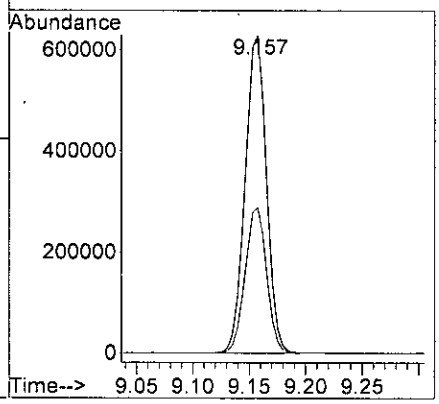


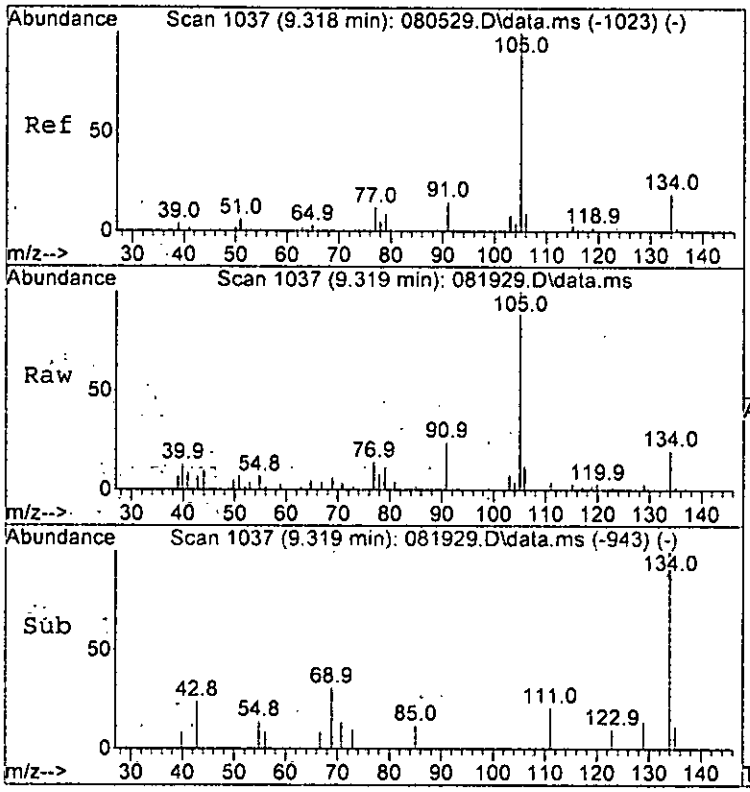


#66
1,2,4-Trimethylbenzene
Concen: 145.522 ppb
RT: 9.16 min Scan# 1001
Delta R.T. 0.000 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:105 Resp: 826883

Ion	Ratio	Lower	Upper
105	100		
120	45.8	17.8	77.8

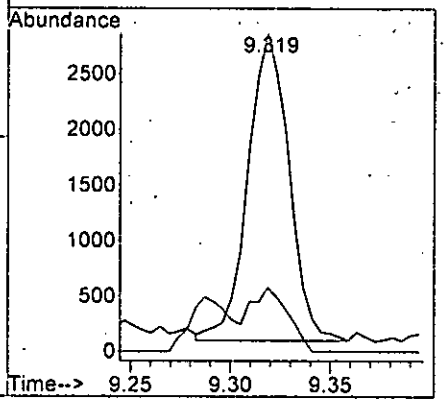


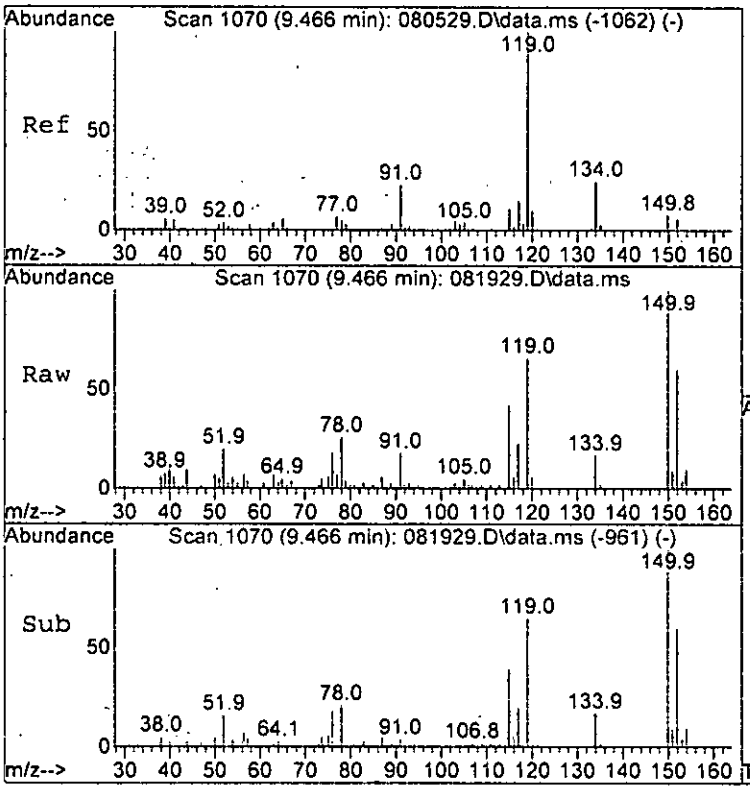


#67
sec-Butylbenzene
Concen: 0.549 ppb
RT: 9.32 min Scan# 1037
Delta R.T. -0.004 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:105 Resp: 3957

Ion	Ratio	Lower	Upper
105	100		
134	20.8	0.0	49.6

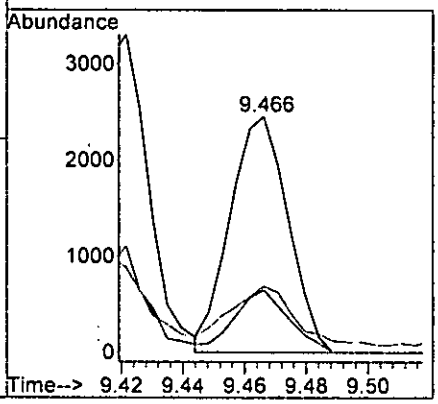


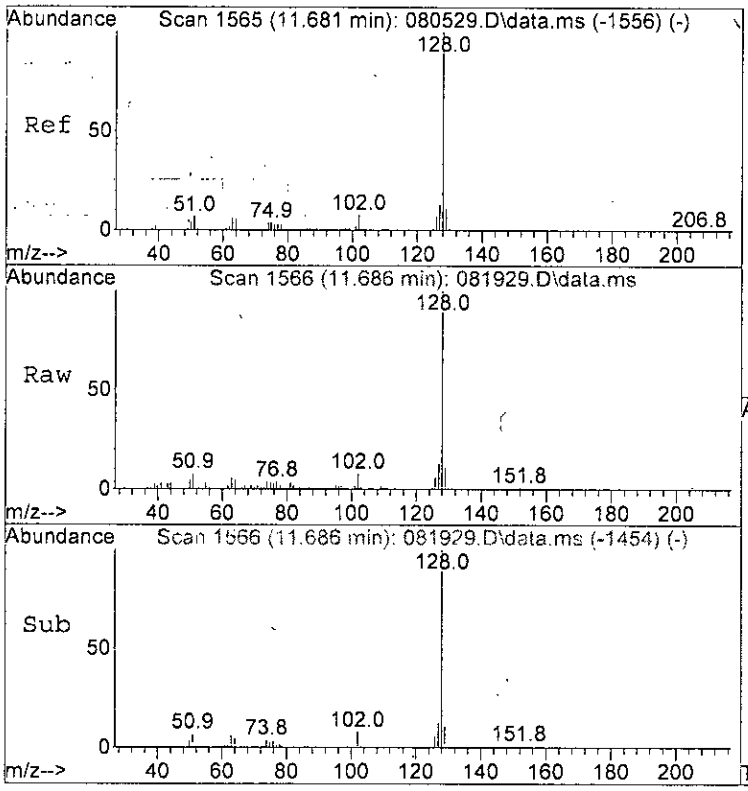


#68
p-Isopropyltoluene
Concen: 0.513 ppb
RT: 9.47 min Scan# 1070
Delta R.T. 0.000 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:119 Resp: 3195

Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	56.6
91	23.5	0.0	52.5

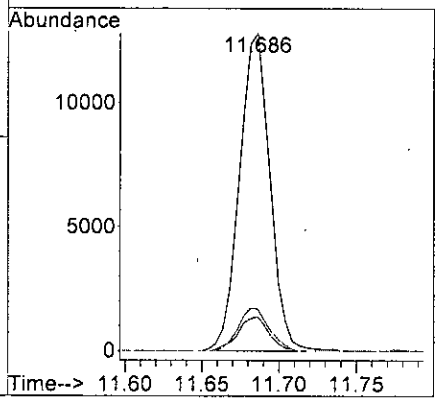




#75
Naphthalene
Concen: 3.548 ppb
RT: 11.69 min Scan# 1566
Delta R.T. 0.000 min
Lab File: 081929.D
Acq: 19 Aug 2022 09:51 pm

Tgt Ion:128 Resp: 17514

Ion	Ratio	Lower	Upper
128	100		
129	10.7	0.0	41.6
127	13.3	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081929.D
Acq On : 19 Aug 2022 09:51 pm
Operator : LM
Sample : 208257-04
Misc : water
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:35:33 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response Via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	54868	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	41090	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23417	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	14859	9.890	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 98.90%				
30) 1,2-Dichloroethane-d4	4.36	102	3044	9.357	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 93.60%				
35) Toluene-d8	5.98	98	53667	10.170	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 101.70%				
57) 4-Bromofluorobenzene	8.38	95	19960	10.316	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 103.20%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.23	50	2162	0.455	ppb		83
6) Vinyl chloride	1.30	62	118m	0.027	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.28	58	261	0.631	ppb	#	1
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.05	57	462	0.203	ppb		85
14) Methylene chloride	2.61	84	8627	0.682	ppb		97
15) t-Butyl alcohol (TBA)	2.76	59	814	4.933	ppb		94
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22) cis-1,2-Dichloroethene	3.67	96	675	0.392	ppb		97
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	4.42	62	73	N.D.			
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.39	78	3947	0.669	ppb		99
32) Trichloroethene	4.94	95	286	0.160	ppb		98
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.			
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d		
38) cis-1,3-Dichloropropene	0.00		0	N.D.			

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081929.D
Acq On : 19 Aug 2022 09:51 pm
Operator : LM
Sample : 208257-04
Misc : water
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS11

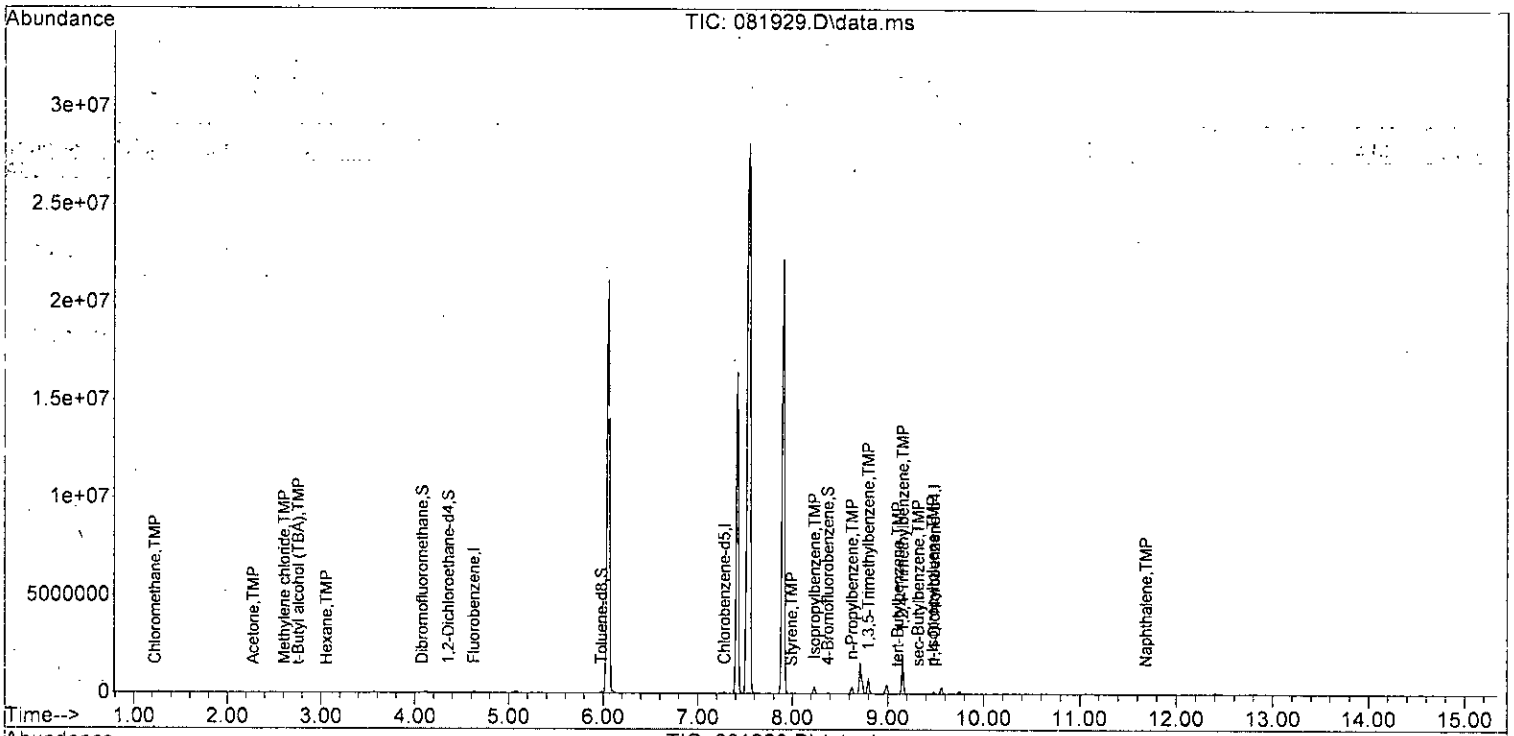
Quant Time: Aug 23 11:35:33 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

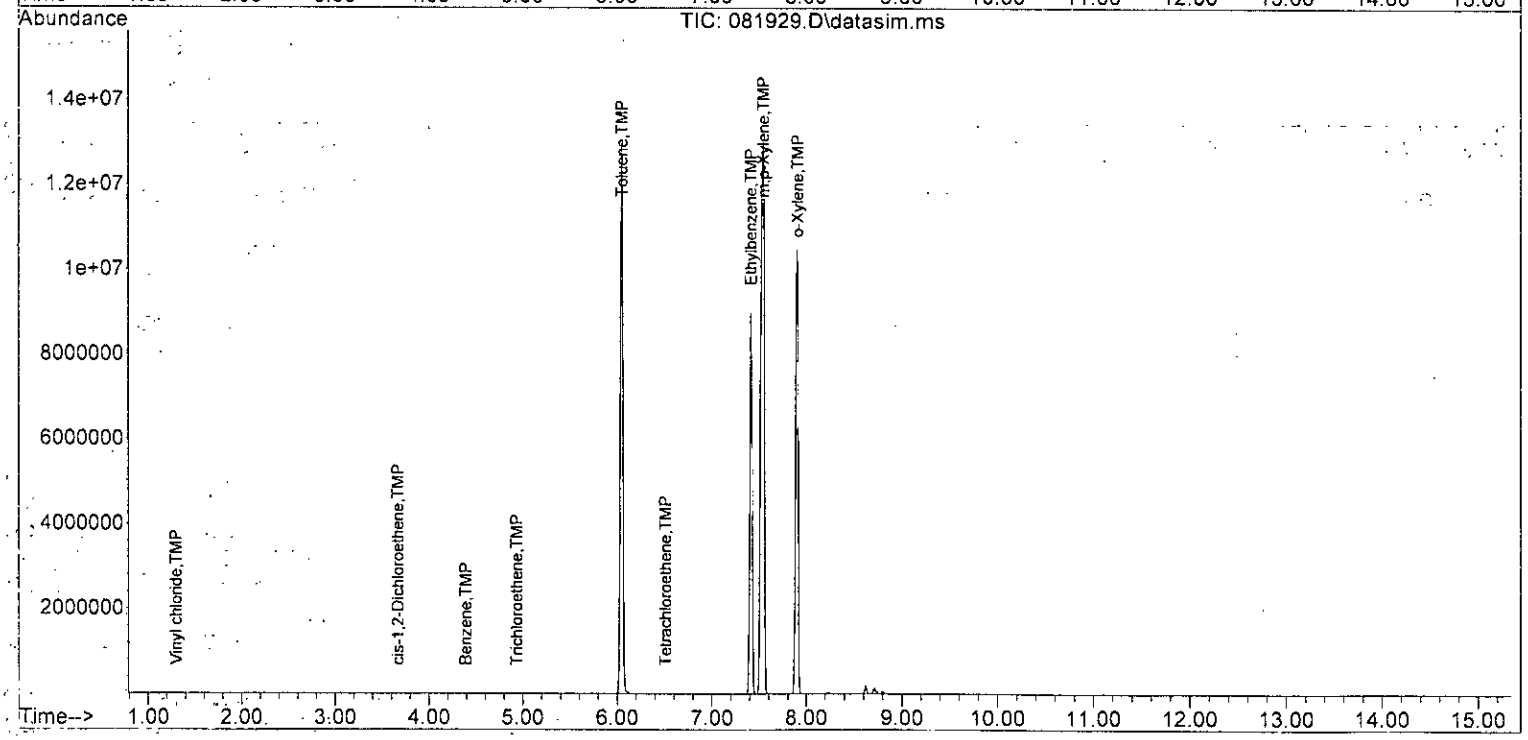
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40] Toluene	6.05	92	10012679	2866.371	ppb	#	75
41) trans-1,3-Dichloropropene	0.00		0	N.D.			
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d		
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.51	164	124	0.055	ppb		98
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.	d		
49] Ethylbenzene	7.41	91	10746810	1635.305	ppb		78
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d		
51] m,p-Xylene	7.55	106	12363347	4853.205	ppb		90
52] o-Xylene	7.91	106	6971742	2757.253	ppb		82
53) Styrene	7.99	104	79	0.019	ppb		88
54) Isopropylbenzene	8.23	105	201049	30.406	ppb		98
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	240805	32.328	ppb		97
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	8.80	105	383785	69.510	ppb		98
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d		
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	0.00		0	N.D.	d		
64) 4-Chlorotoluene	0.00		0	N.D.	d		
65) tert-Butylbenzene	9.10	119	801	0.162	ppb		93
66) 1,2,4-Trimethylbenzene	9.16	105	826883	145.522	ppb		97
67) sec-Butylbenzene	9.32	105	3957	0.549	ppb		97
68) p-Isopropyltoluene	9.47	119	3195	0.513	ppb		99
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	11.69	128	17514	3.548	ppb		98
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

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

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081929.D
Acq On : 19 Aug 2022 09:51 pm
Operator : LM
Sample : 208257-04
Misc : water
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:35:33 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081930.D
Acq On : 19 Aug 2022 10:13 pm
Operator : LM
Sample : 208257-05
Misc : water
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS11

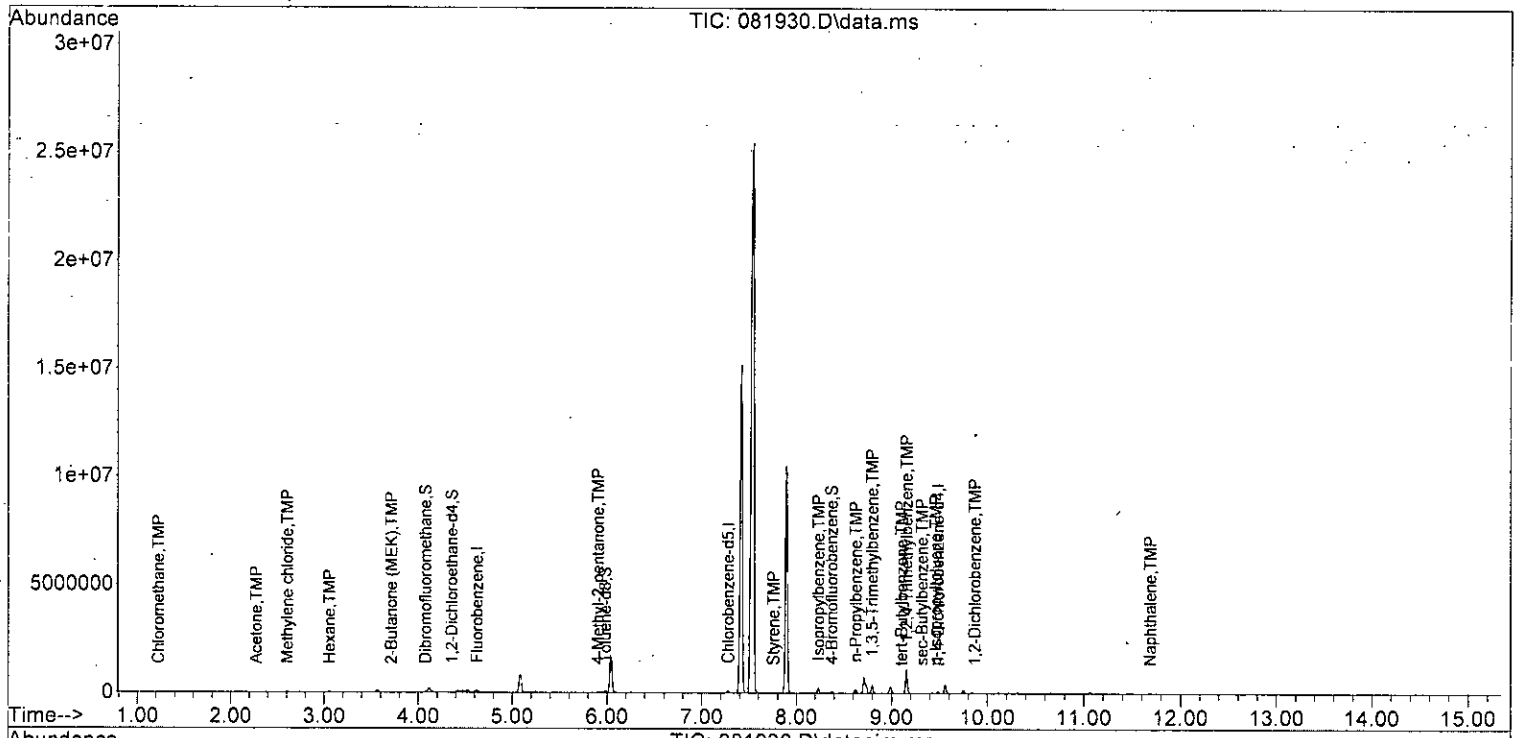
Quant Time: Aug 23 11:38:02 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

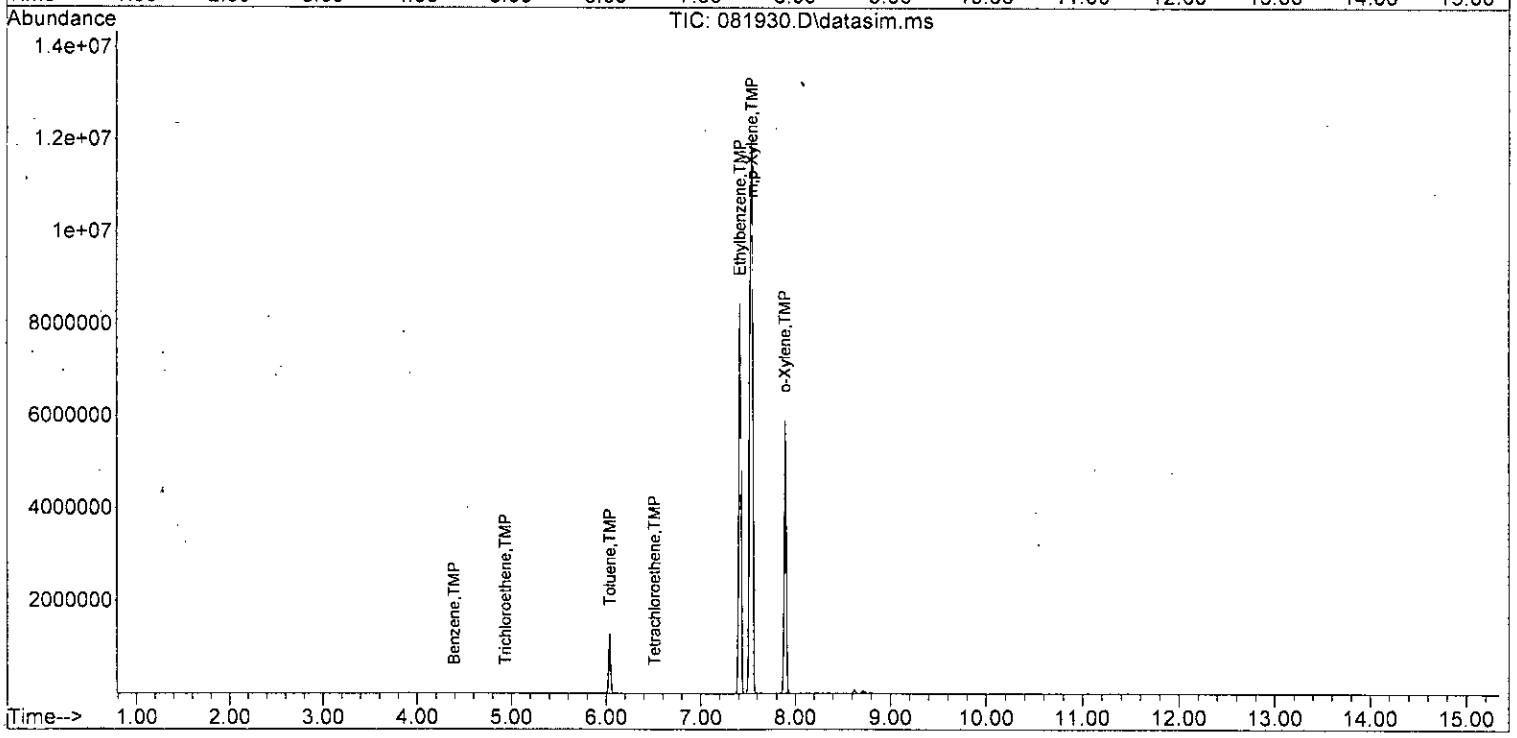
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	51128	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	38324	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	21493	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	13861	9.901	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.00%				
30) 1,2-Dichloroethane-d4	4.36	102	2896	9.553	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 95.50%				
35) Toluene-d8	5.98	98	50749	10.321	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.20%				
57) 4-Bromofluorobenzene	8.38	95	18057	10.168	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.70%				
Target Compounds							Qvalue
5) Chloromethane	1.23	50	2350	0.531	ppb		89
11) Acetone	2.28	58	426	2.103	ppb		88
13) Hexane	3.05	57	6169	2.906	ppb		98
14) Methylene chloride	2.61	84	8277	0.834	ppb		92
21) 2,2-Dichloropropane	3.61	77	88	Below Cal			48
24) 2-Butanone (MEK)	3.71	43	2506	3.575	ppb		92
31) Benzene	4.39	78	230	0.035	ppb		60
32) Trichloroethene	4.94	95	53	0.023	ppb		96
37) 4-Methyl-2-pentanone	5.91	85	1335	6.407	ppb		89
40) Toluene	6.04	92	686737	210.721	ppb		91
45) Tetrachloroethene	6.51	164	282	0.180	ppb		97
49) Ethylbenzene	7.41	91	9973546	1627.174	ppb		80
51) m,p-Xylene	7.54	106	10114207	4256.861	ppb		95
52) o-Xylene	7.89	106	2869994	1216.969	ppb		97
53) Styrene	7.76	104	64	0.017	ppb		71
54) Isopropylbenzene	8.23	105	132510	21.487	ppb		98
58) n-Propylbenzene	8.63	91	122388	17.901	ppb		97
60) 1,3,5-Trimethylbenzene	8.80	105	183424	36.195	ppb		97
65) tert-Butylbenzene	9.10	119	475	0.105	ppb		94
66) 1,2,4-Trimethylbenzene	9.16	105	517041	99.139	ppb		97
67) sec-Butylbenzene	9.32	105	3718	0.562	ppb		94
68) p-Isopropyltoluene	9.46	119	4159	0.728	ppb		94
71) 1,2-Dichlorobenzene	9.87	146	194	0.062	ppb	#	61
75) Naphthalene	11.69	128	26049	5.750	ppb		96

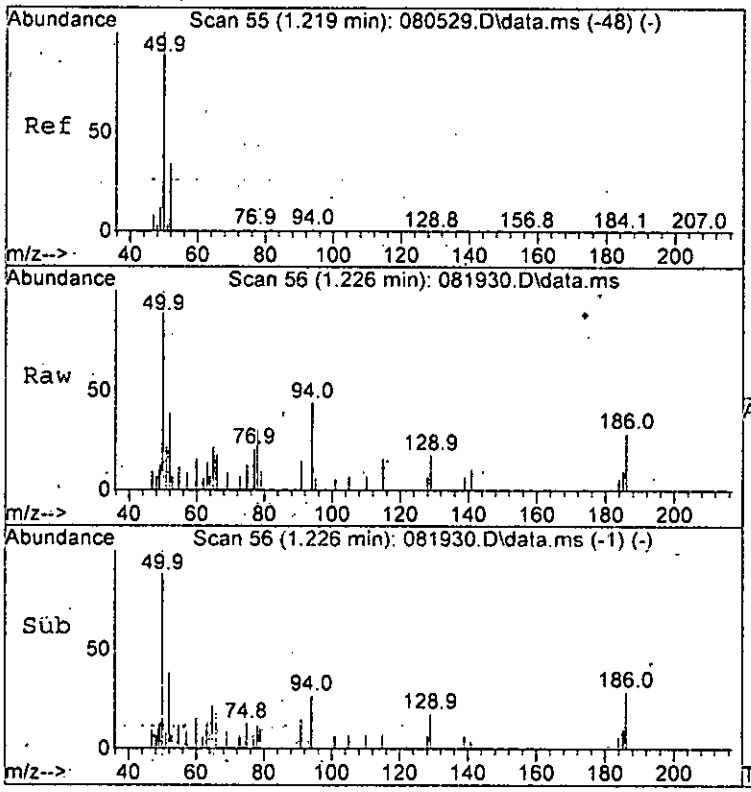
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081930.D
Acq On : 19 Aug 2022 10:13 pm
Operator : LM
Sample : 208257-05
Misc : water
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:38:02 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



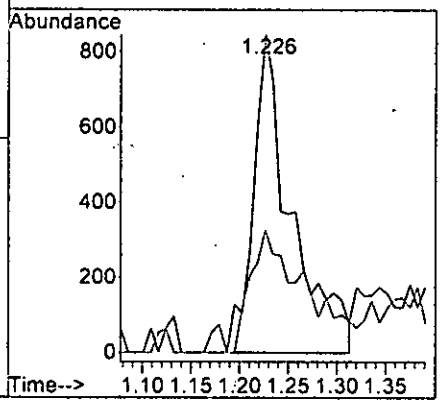


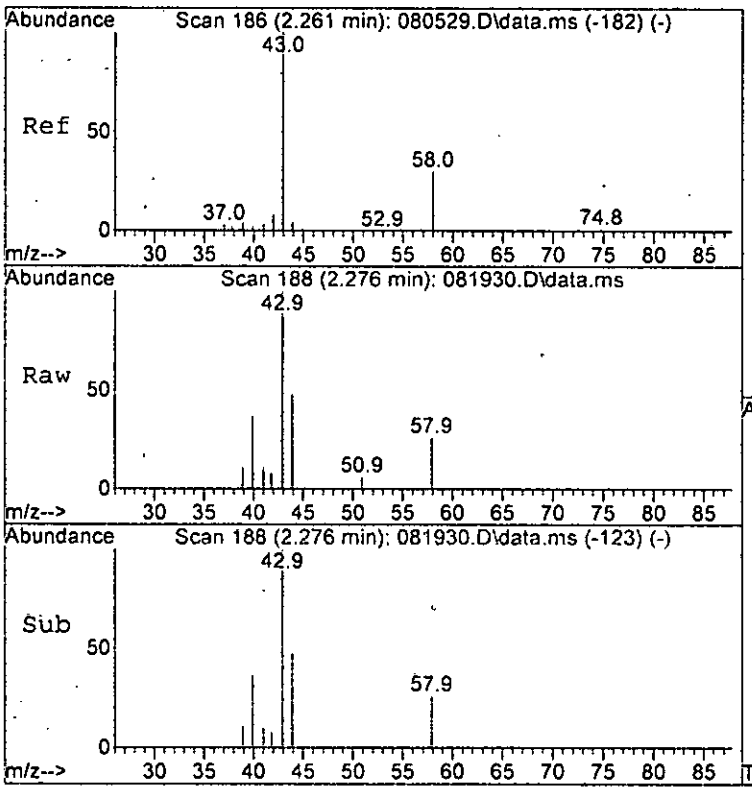


#5
Chloromethane
Concen: 0.531 ppb
RT: 1.23 min Scan# 56
Delta R.T. 0.007 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 50 Resp: 2350

Ion	Ratio	Lower	Upper
50	100		
52	38.5	2.3	62.3

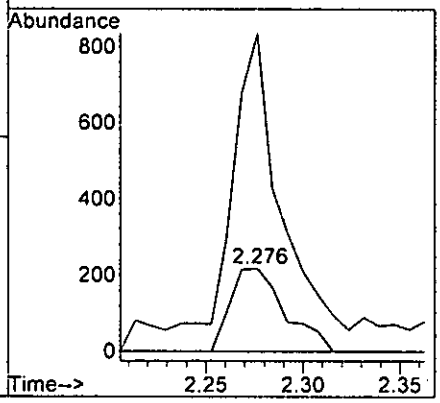


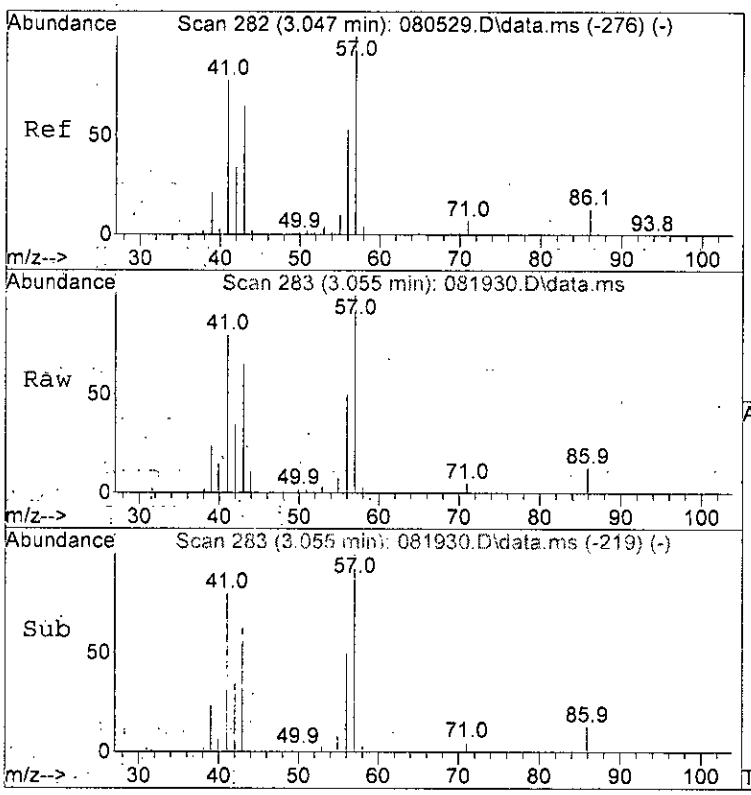


#11
Acetone
Concen: 2.103 ppb
RT: 2.28 min Scan# 188
Delta R.T. 0.023 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 58 Resp: 426

Ion	Ratio	Lower	Upper
58	100		
43	303.3	298.5	358.5

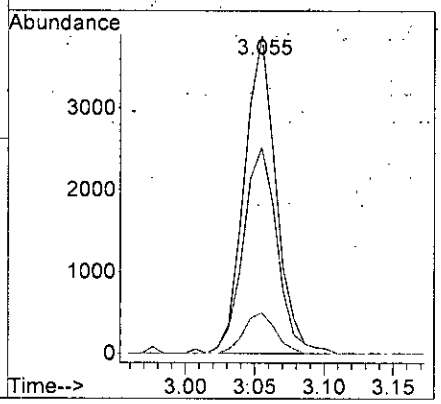


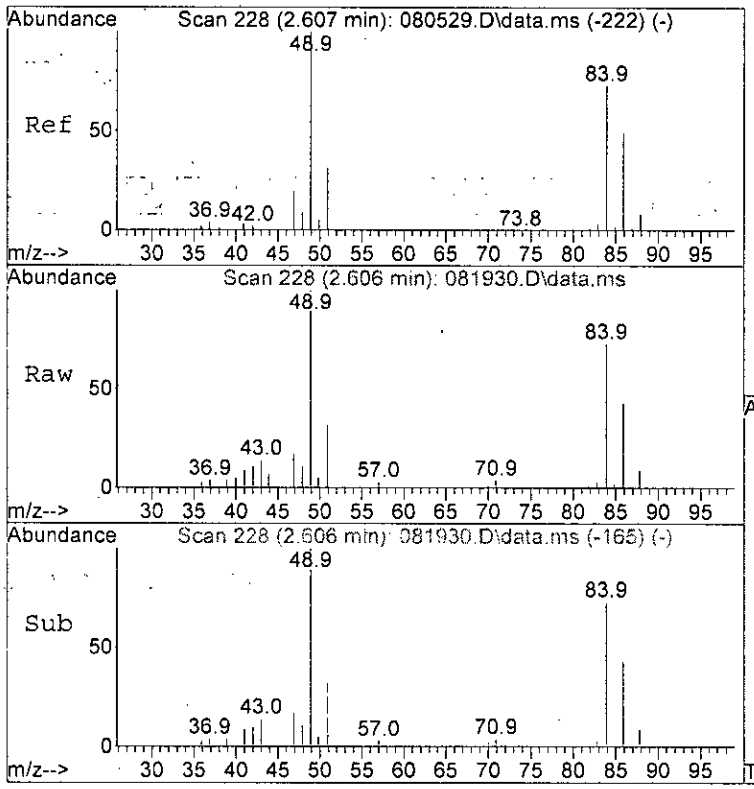


#13
Hexane
Concen: 2.906 ppb
RT: 3.05 min Scan# 283
Delta R.T. 0.016 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 57 Resp: 6169

Ion	Ratio	Lower	Upper
57	100		
43	64.7	35.4	95.4
86	12.8	0.0	45.4

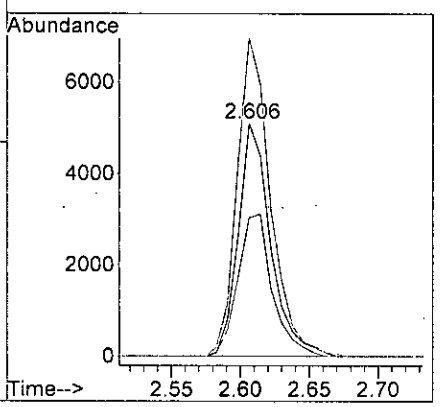


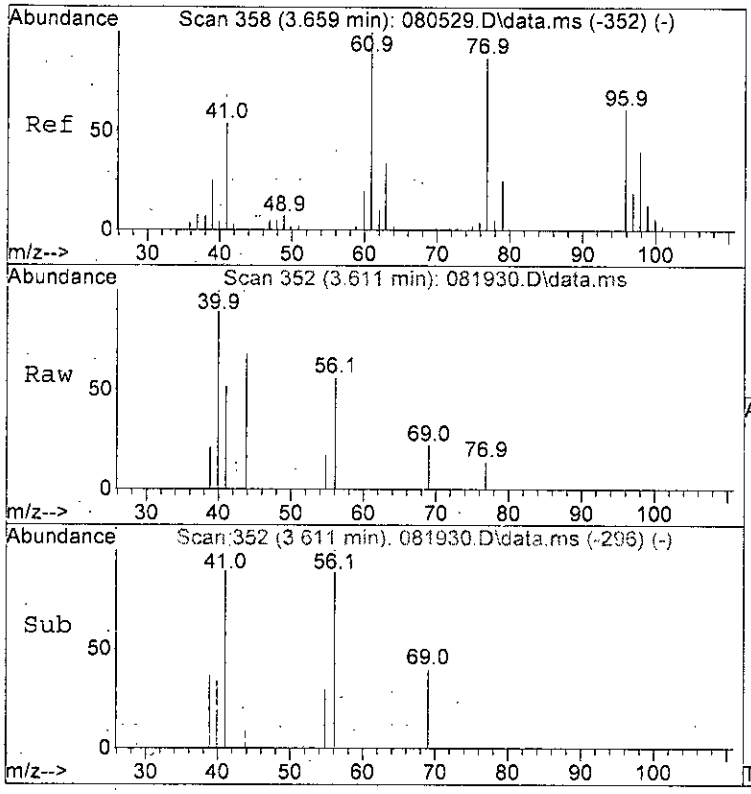


#14
Methylene chloride
Concen: 0.834 ppb
RT: 2.61 min Scan# 228
Delta R.T. 0.007 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 84 Resp: 8277

Ion	Ratio	Lower	Upper
84	100		
86	59.4	38.7	98.7
49	136.7	114.1	174.1

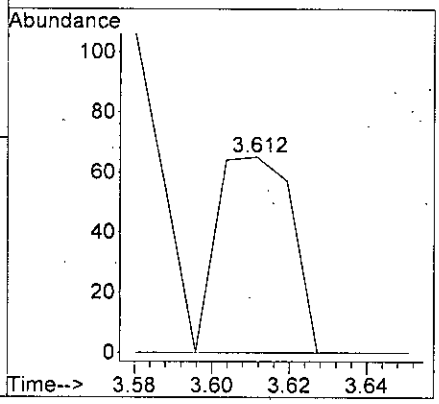


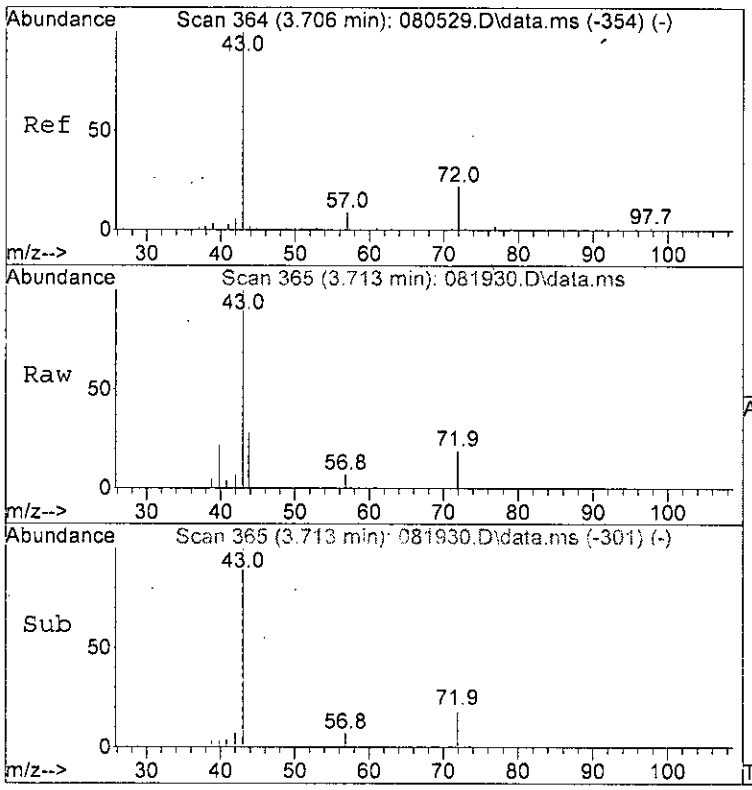


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.61 min Scan# 352
Delta R.T. -0.047 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 77 Resp: 88

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	56.8

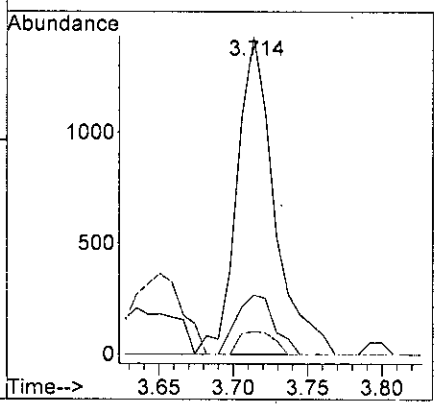


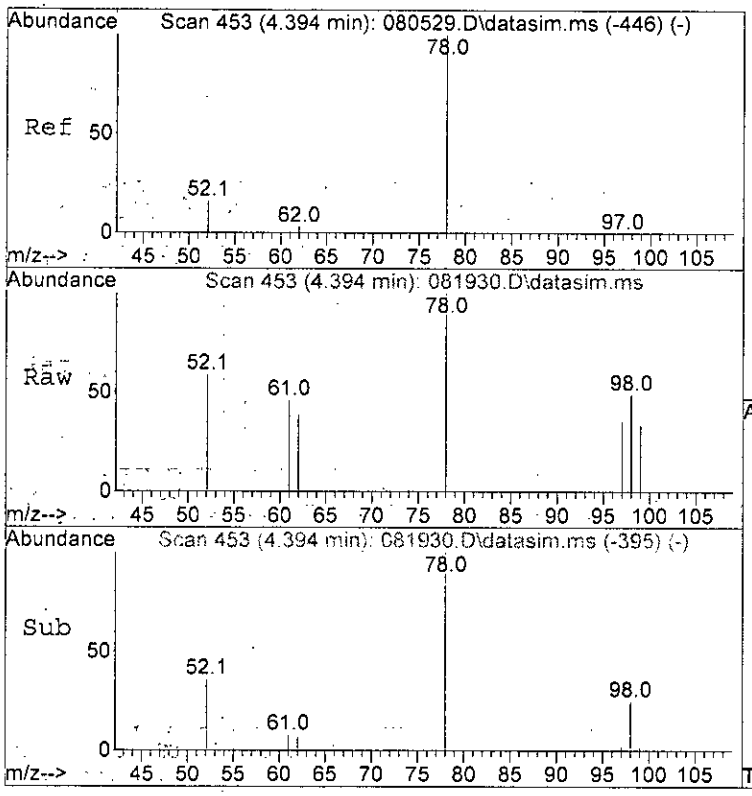


#24
2-Butanone (MEK)
Concen: 3.575 ppb
RT: 3.71 min Scan# 365
Delta R.T. 0.015 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 43 Resp: 2506

Ion	Ratio	Lower	Upper
43	100		
72	18.6	0.0	53.3
57	7.2	0.0	28.3

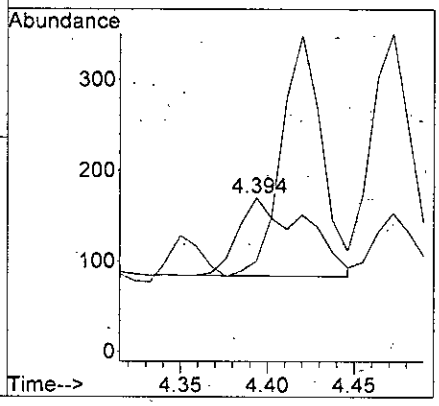


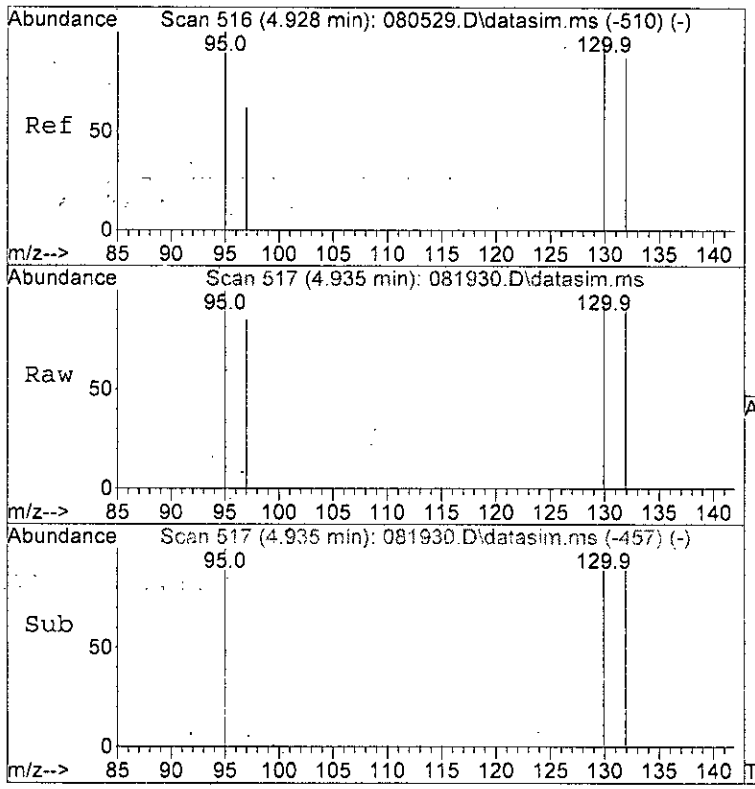


#31
Benzene
Concen: 0.035 ppb
RT: 4.39 min Scan# 453
Delta R.T. 0.009 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 78 Resp: 230

Ion	Ratio	Lower	Upper
78	100		
52	0.0	0.0	47.5

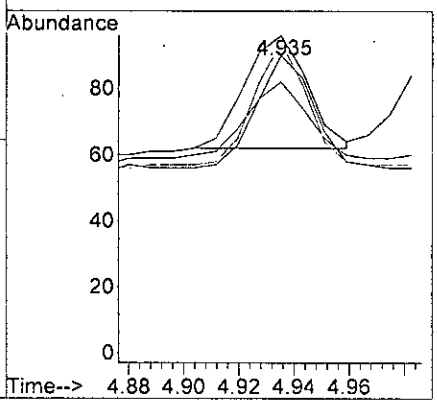


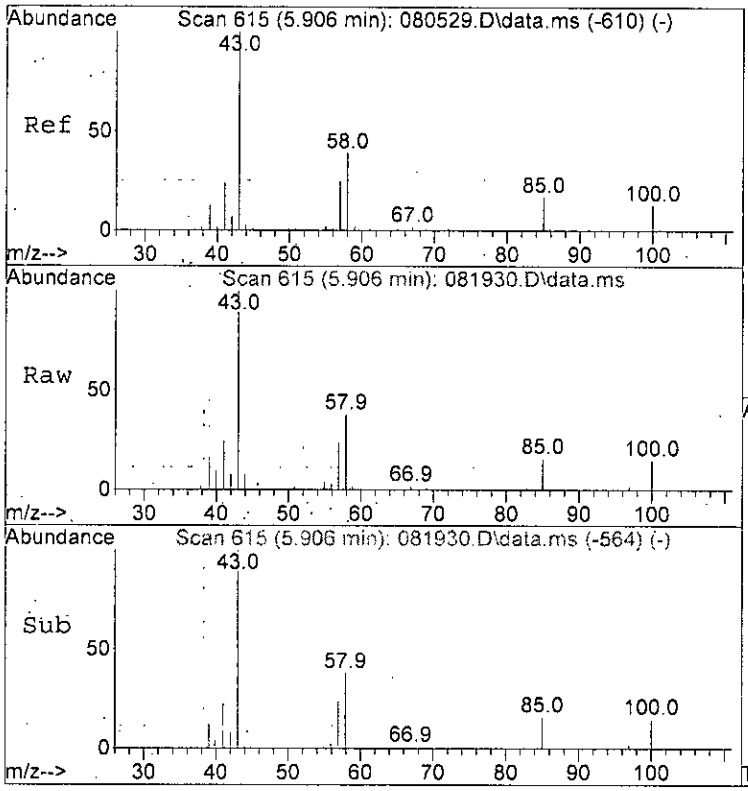


#32
Trichloroethene
Concen: 0.023 ppb
RT: 4.94 min Scan# 517
Delta R.T. 0.007 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 95 Resp: 53

Ion	Ratio	Lower	Upper
95	100		
97	64.7	36.4	96.4
130	108.8	82.2	142.2
132	100.0	76.6	136.6

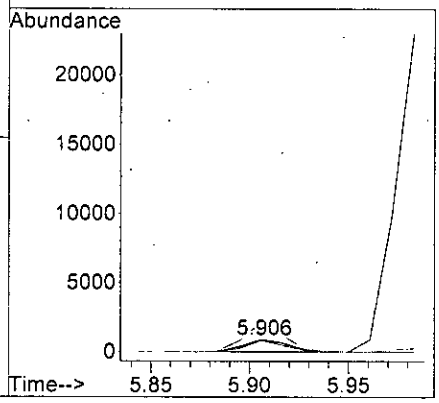


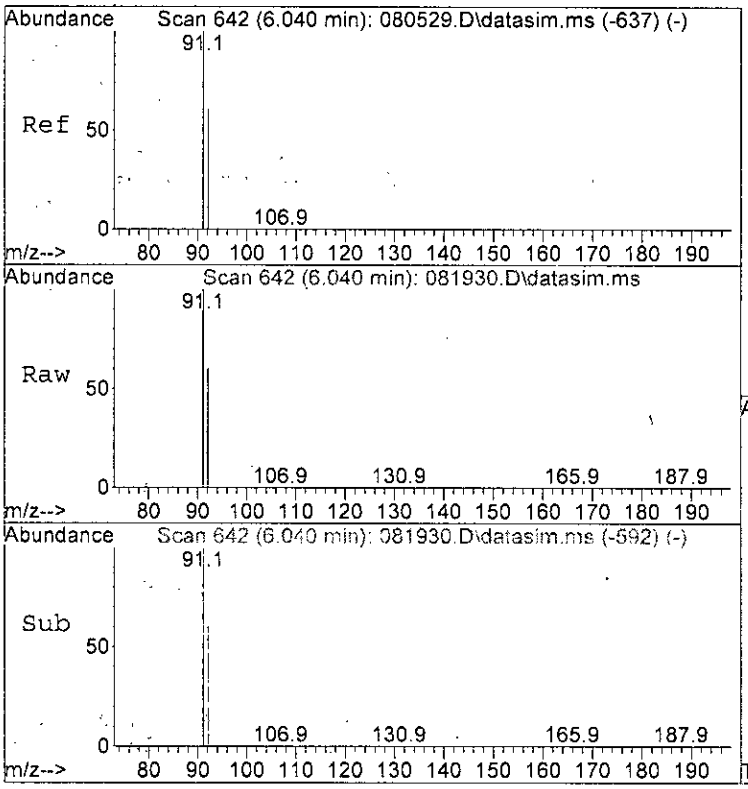


#37
4-Methyl-2-pentanone
Concen: 6.407 ppb
RT: 5.91 min Scan# 615
Delta R.T. -0.000 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 85 Resp: 1335

Ion	Ratio	Lower	Upper
85	100		
100	92.8	47.7	107.7
58	241.9	197.2	257.2

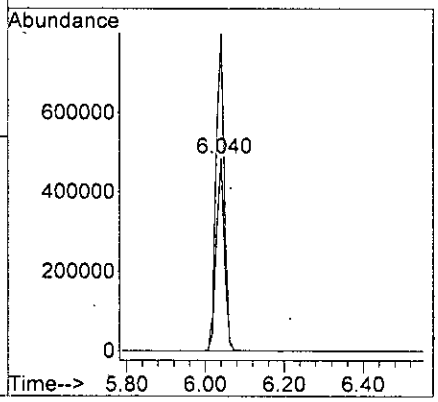


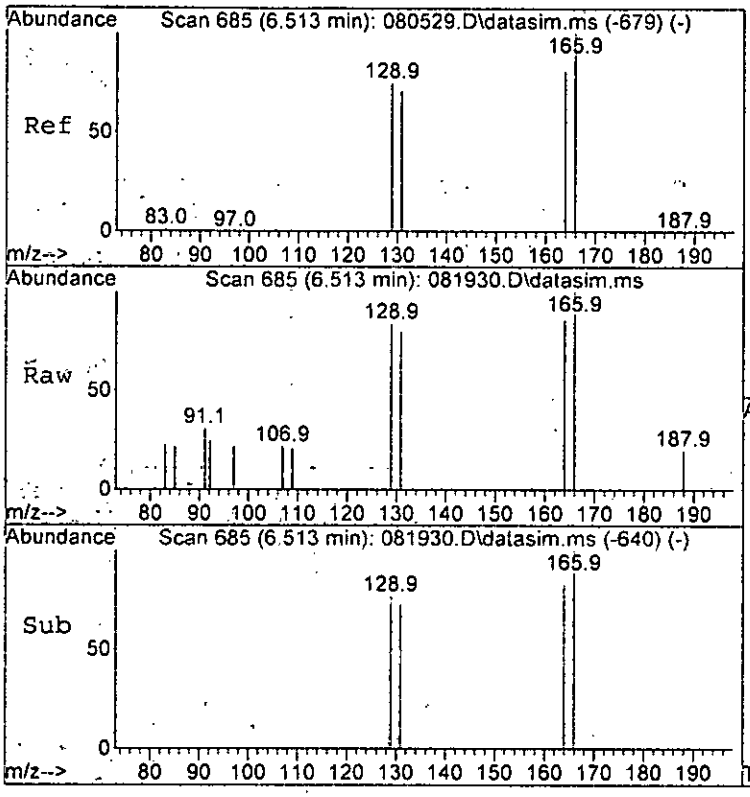


#40
Toluene
Concen: 210.721 ppb
RT: 6.04 min Scan# 642
Delta R.T. 0.011 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 92 Resp: 686737

Ion	Ratio	Lower	Upper
92	100		
91	164.9	147.4	207.4

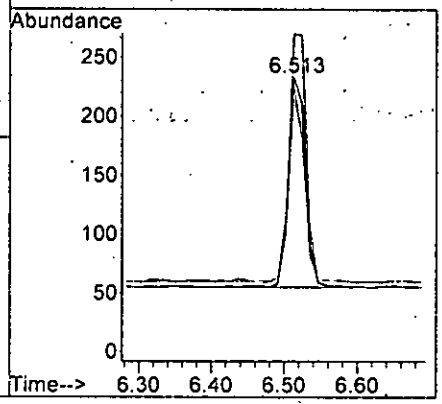


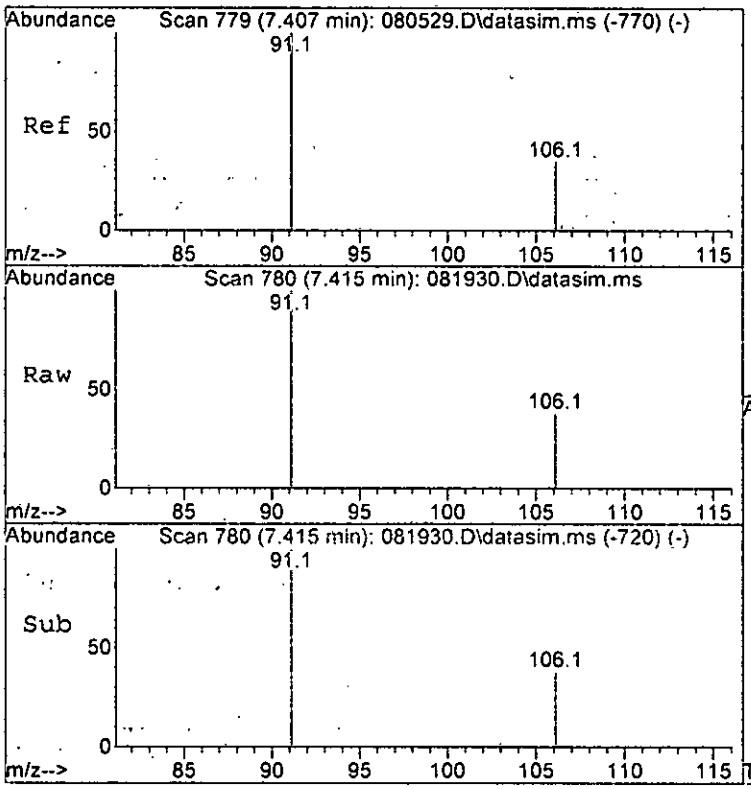


#45
Tetrachloroethene
Concen: 0.180 ppb
RT: 6.51 min Scan# 685
Delta R.T. -0.000 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:164 Resp: 282

Ion	Ratio	Lower	Upper
164	100		
129	93.3	60.3	120.3
131	87.6	57.0	117.0
166	120.8	96.8	156.8

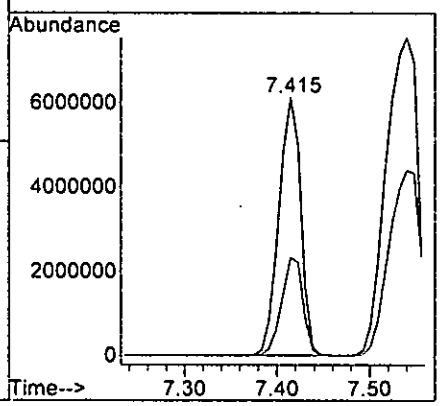


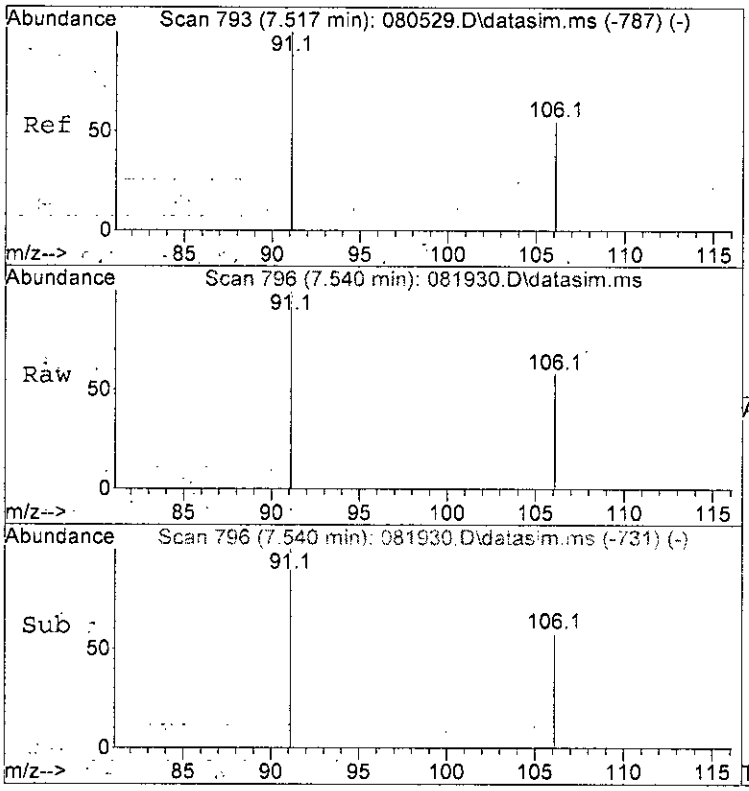


#49
Ethylbenzene
Concen: 1627.174 ppb
RT: 7.41 min Scan# 780
Delta R.T. 0.016 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 91 Resp: 9973546

Ion	Ratio	Lower	Upper
91	100		
106	37.9	0.0	57.3

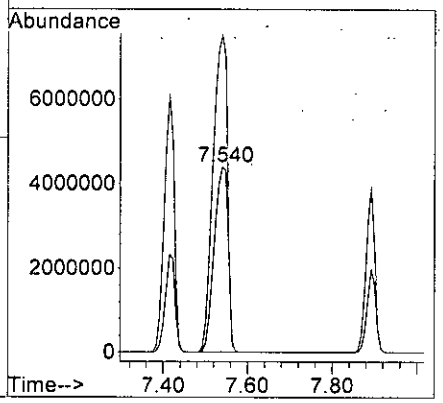


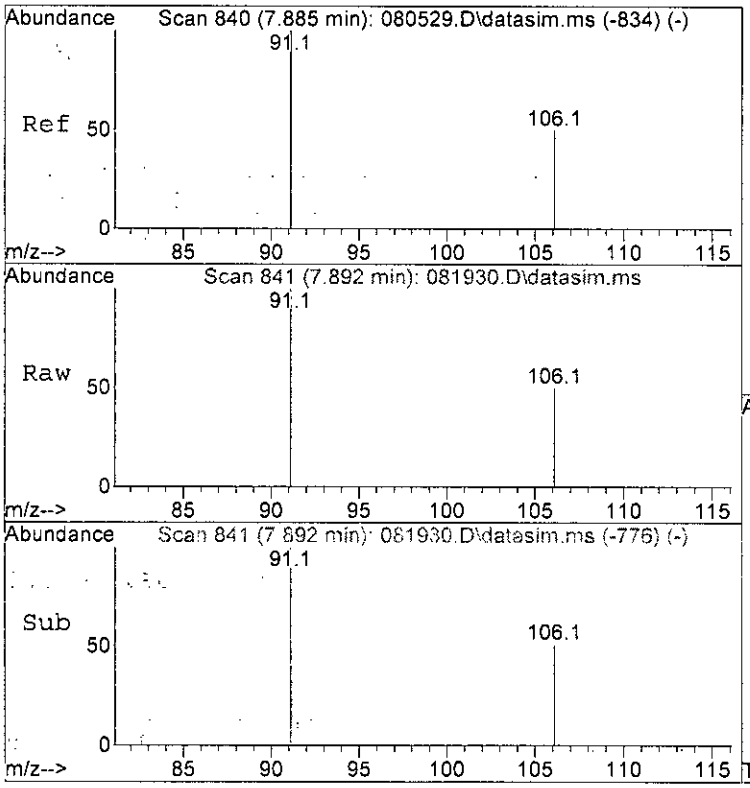


#51
m,p-Xylene
Concen: 4256.861 ppb
RT: 7.54 min Scan# 796
Delta R.T. 0.023 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:106 Resp:10114207

Ion	Ratio	Lower	Upper
106	100		
91	171.7	148.7	208.7

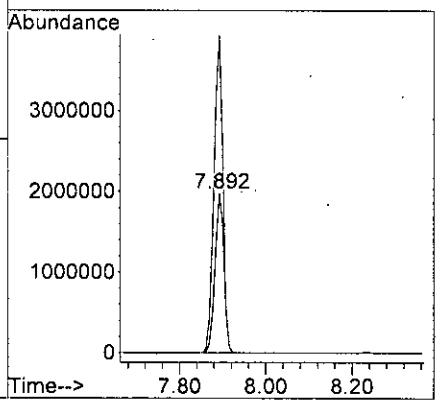


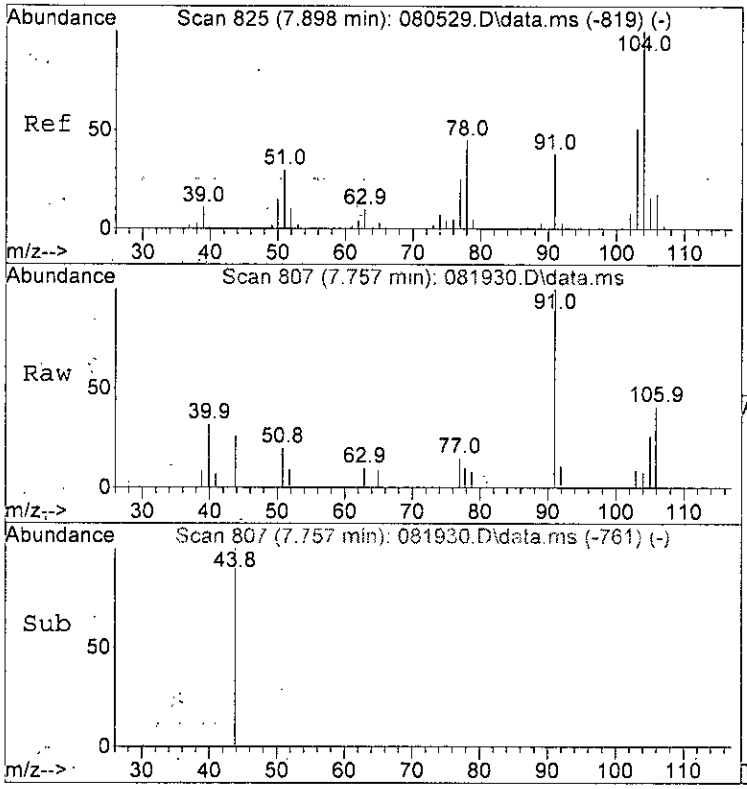


#52
o-Xylene
Concen: 1216.969 ppb
RT: 7.89 min Scan# 841
Delta R.T. 0.007 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:106 Resp: 2869994

Ion	Ratio	Lower	Upper
106	100		
91	198.9	164.0	224.0

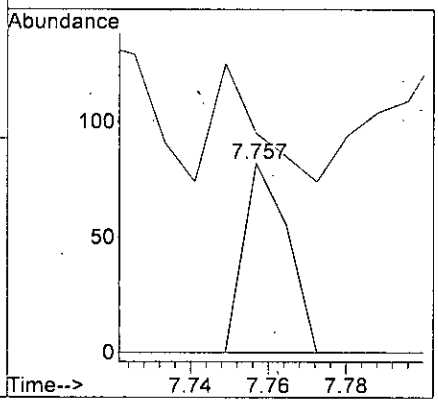


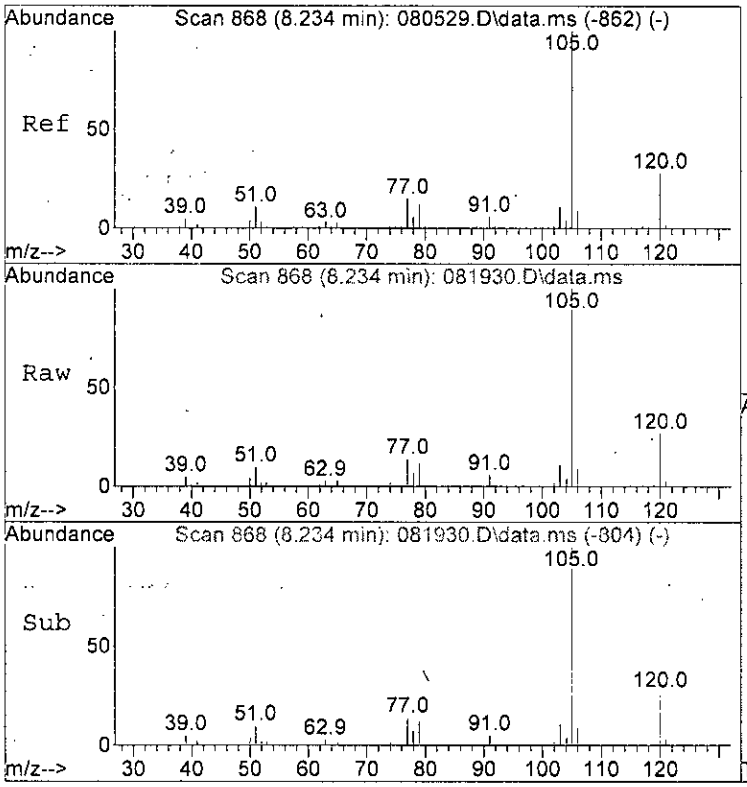


#53
Styrene
Concen: 0.017 ppb
RT: 7.76 min Scan# 807
Delta R.T. -0.141 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:104 Resp: 64

Ion	Ratio	Lower	Upper
104	100		
78	25.6	14.5	74.5

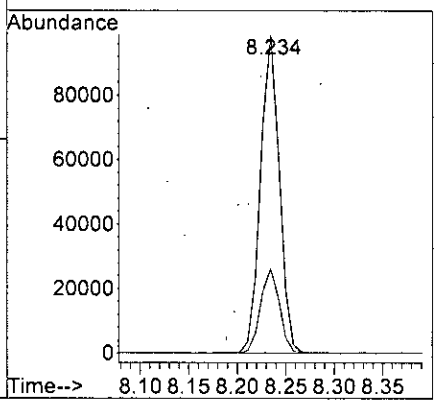


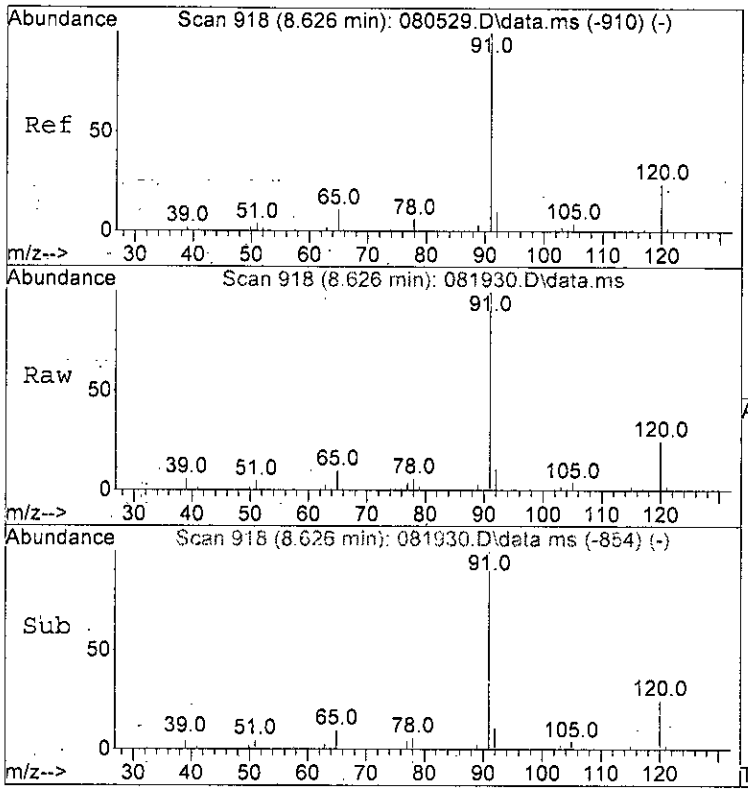


#54
Isopropylbenzene
Concen: 21.487 ppb
RT: 8.23 min Scan# 868
Delta R.T. -0.001 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:105 Resp: 132510

Ion	Ratio	Lower	Upper
105	100		
120	26.5	0.0	55.6

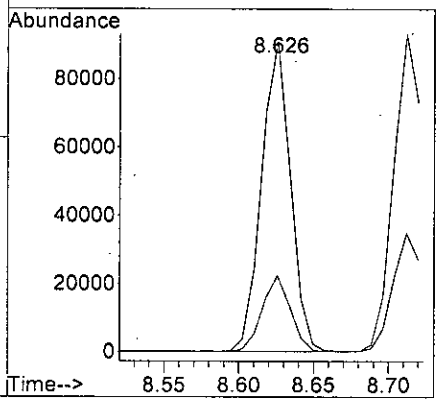


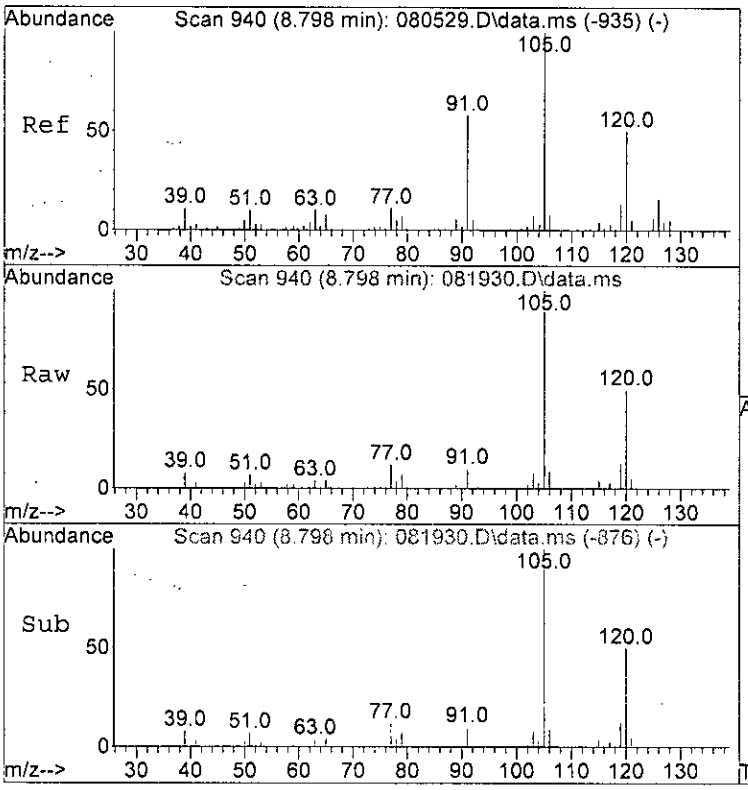


#58
n-Propylbenzene
Concen: 17.901 ppb
RT: 8.63 min Scan# 918
Delta R.T. -0.000 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion: 91 Resp: 122388

Ion	Ratio	Lower	Upper
91	100		
120	24.5	0.0	53.2

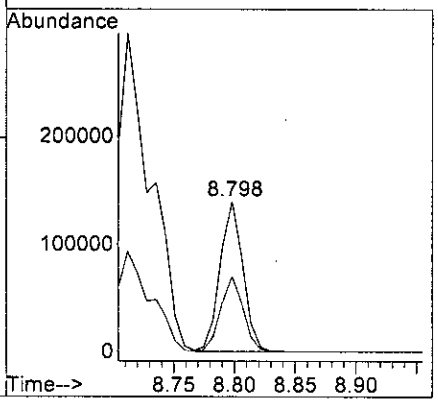


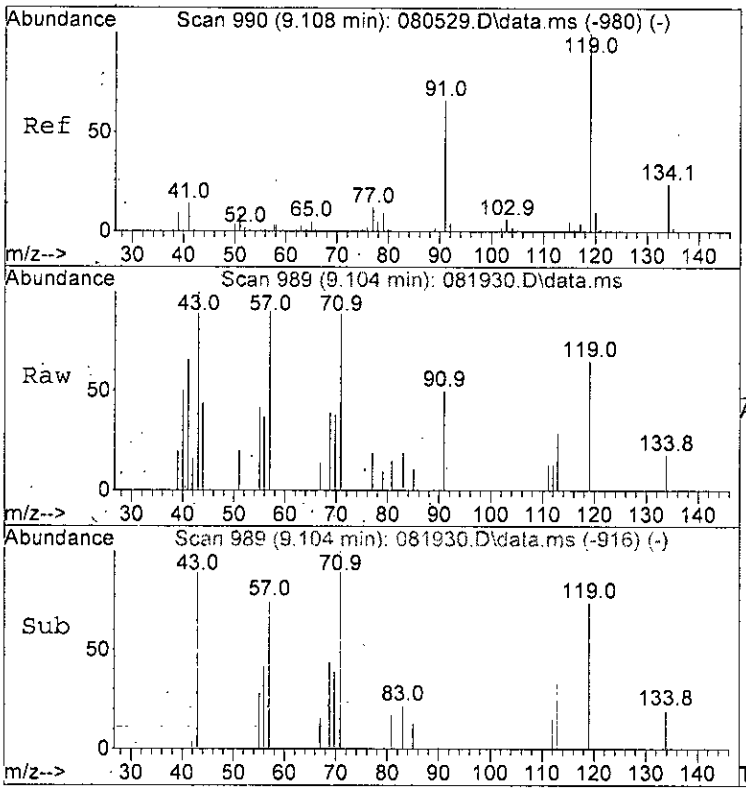


#60
1,3,5-Trimethylbenzene
Concen: 36.195 ppb
RT: 8.80 min Scan# 940
Delta R.T. 0.000 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:105 Resp: 183424

Ion	Ratio	Lower	Upper
105	100		
120	50.2	18.4	78.4

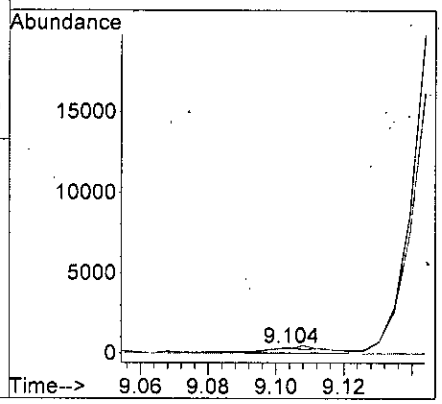


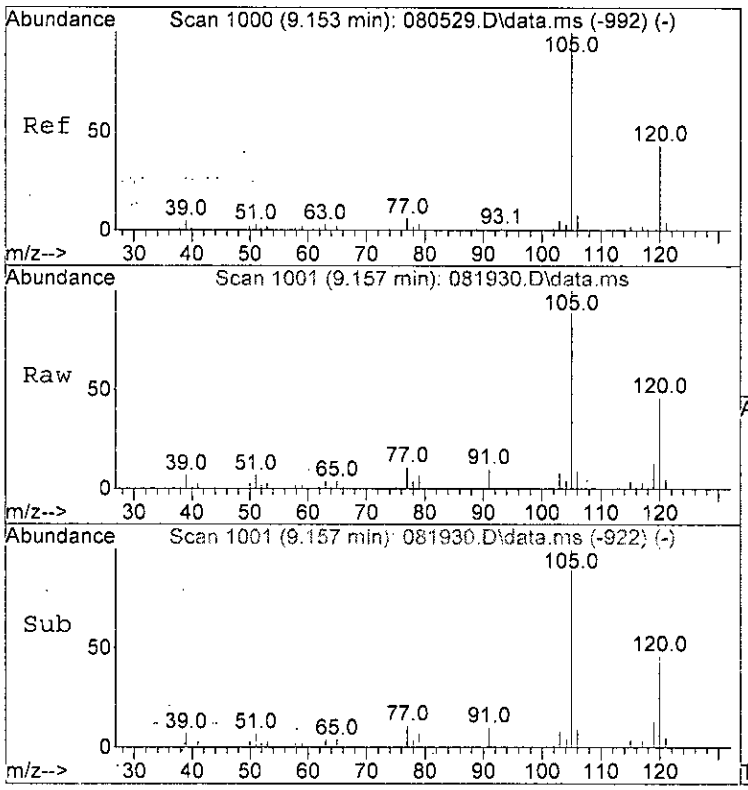


#65
tert-Butylbenzene
Concen: 0.105 ppb
RT: 9.10 min Scan# 989
Delta R.T. -0.004 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:119 Resp: 475

Ion	Ratio	Lower	Upper
119	100		
91	58.9	31.7	91.7
134	27.4	0.0	51.6

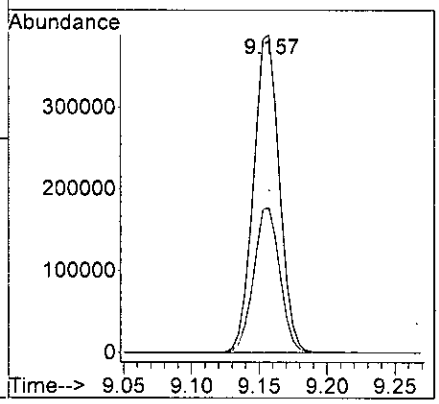


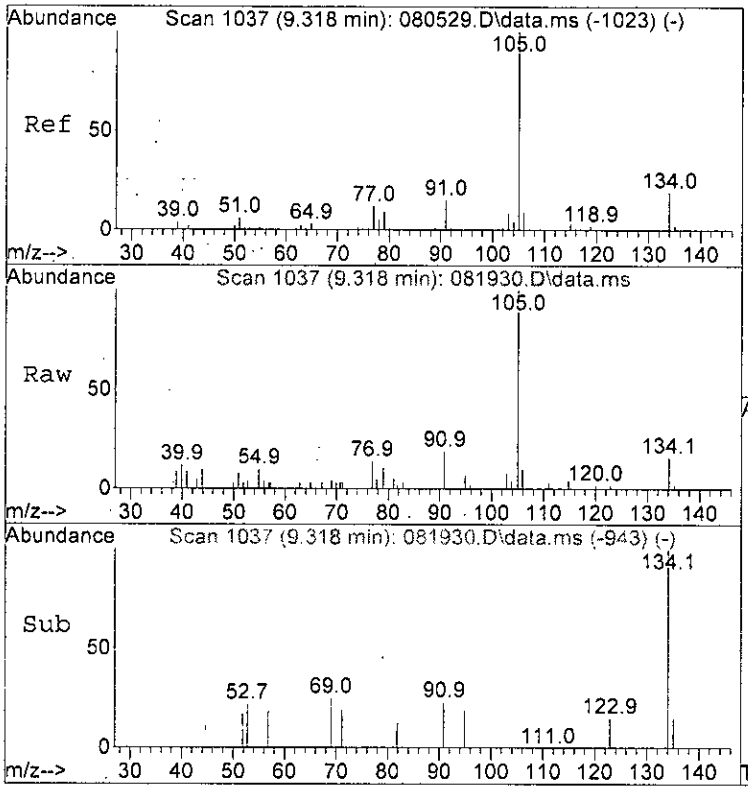


#66
1,2,4-Trimethylbenzene
Concen: 99.139 ppb
RT: 9.16 min Scan# 1001
Delta R.T. 0.000 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:105 Resp: 517041

Ion	Ratio	Lower	Upper
105	100		
120	45.5	17.8	77.8

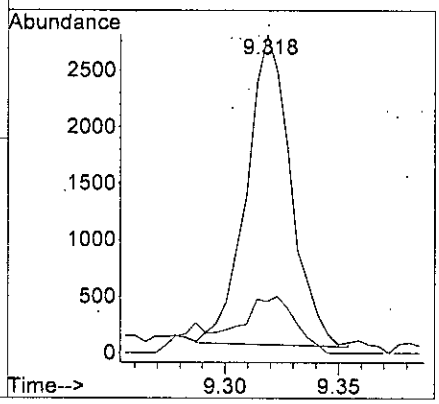


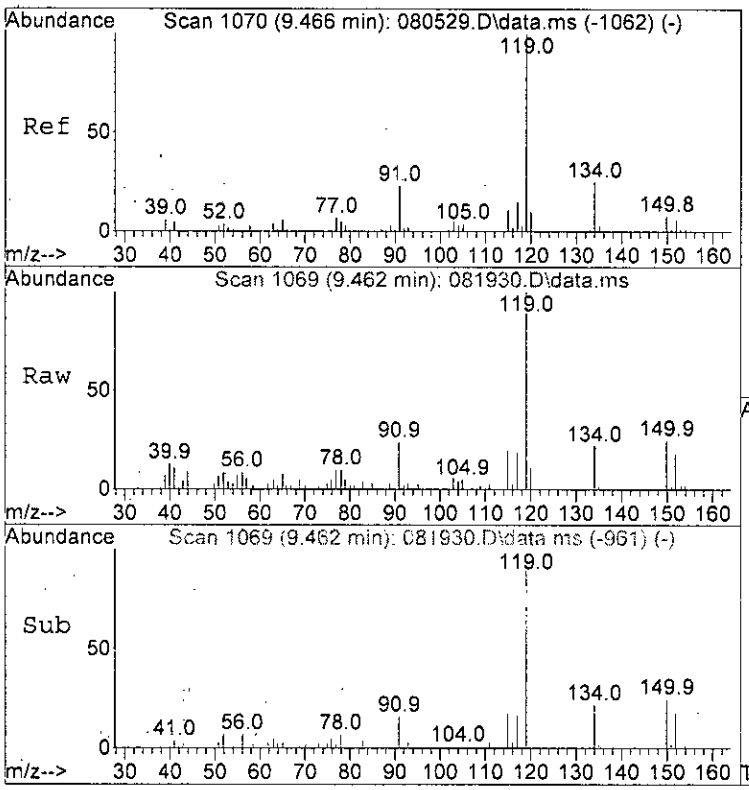


#67
sec-Butylbenzene
Concen: 0.562 ppb
RT: 9.32 min Scan# 1037
Delta R.T. -0.005 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:105 Resp: 3718

Ion	Ratio	Lower	Upper
105	100		
134	16.8	0.0	49.6

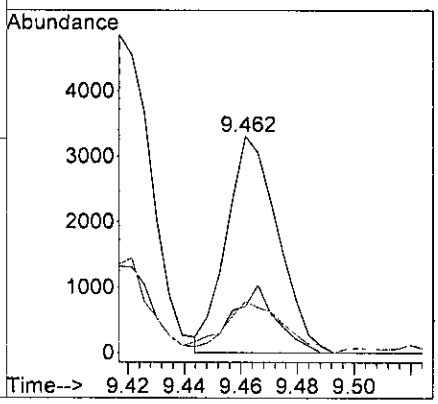


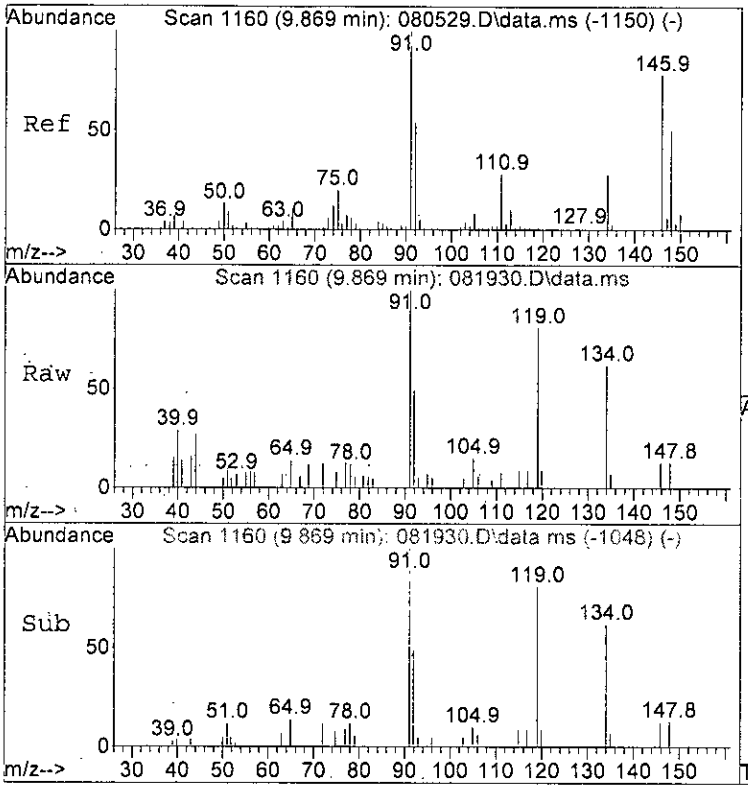


#68
p-Isopropyltoluene
Concen: 0.728 ppb
RT: 9.46 min Scan# 1069
Delta R.T. -0.004 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:119 Resp: 4159

Ion	Ratio	Lower	Upper
119	100		
134	21.5	0.0	56.6
91	21.9	0.0	52.5

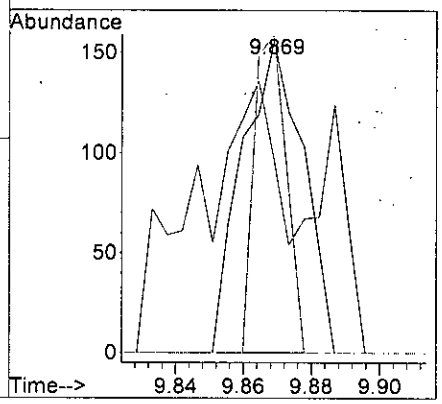


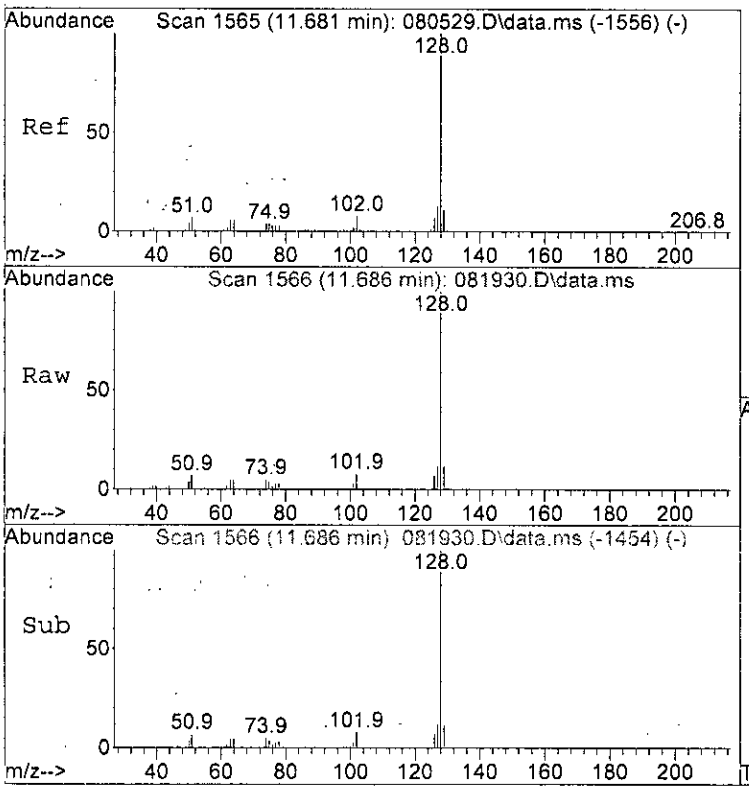


#71
1,2-Dichlorobenzene
Concen: 0.062 ppb
RT: 9.87 min Scan# 1160
Delta R.T. -0.000 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:146 Resp: 194

Ion	Ratio	Lower	Upper
146	100		
111	24.4	9.2	69.2
148	101.9	34.8	94.8#

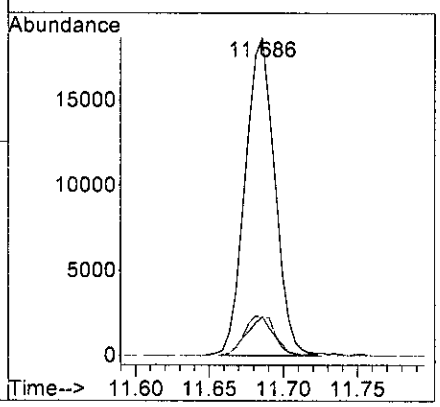




#75
Naphthalene
Concen: 5.750 ppb
RT: 11.69 min Scan# 1566
Delta R.T. -0.000 min
Lab File: 081930.D
Acq: 19 Aug 2022 10:13 pm

Tgt Ion:128 Resp: 26049

Ion	Ratio	Lower	Upper
128	100		
129	12.2	0.0	41.6
127	11.8	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081930.D
Acq On : 19 Aug 2022 10:13 pm
Operator : LM
Sample : 208257-05
Misc : water
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:38:02 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	51128	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	38324	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	21493	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	13861	9.901	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.00%			
30) 1,2-Dichloroethane-d4	4.36	102	2896	9.553	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 95.50%			
35) Toluene-d8	5.98	98	50749	10.321	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.20%			
57) 4-Bromofluorobenzene	8.38	95	18057	10.168	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.70%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.23	50	2350	0.531	ppb	89
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.28	58	426	2.103	ppb	88
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	3.05	57	6169	2.906	ppb	98
14) Methylene chloride	2.61	84	8277	0.834	ppb	92
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.61	77	88	Below Cal		48
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	3.71	43	2506	3.575	ppb	92
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	4.39	78	230	0.035	ppb	60
32) Trichloroethene	4.94	95	53	0.023	ppb	96
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.		
37) 4-Methyl-2-pentanone	5.91	85	1335	6.407	ppb	89
38) cis-1,3-Dichloropropene	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081930.D
Acq On : 19 Aug 2022 10:13 pm
Operator : LM
Sample : 208257-05
Misc : water
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:38:02 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

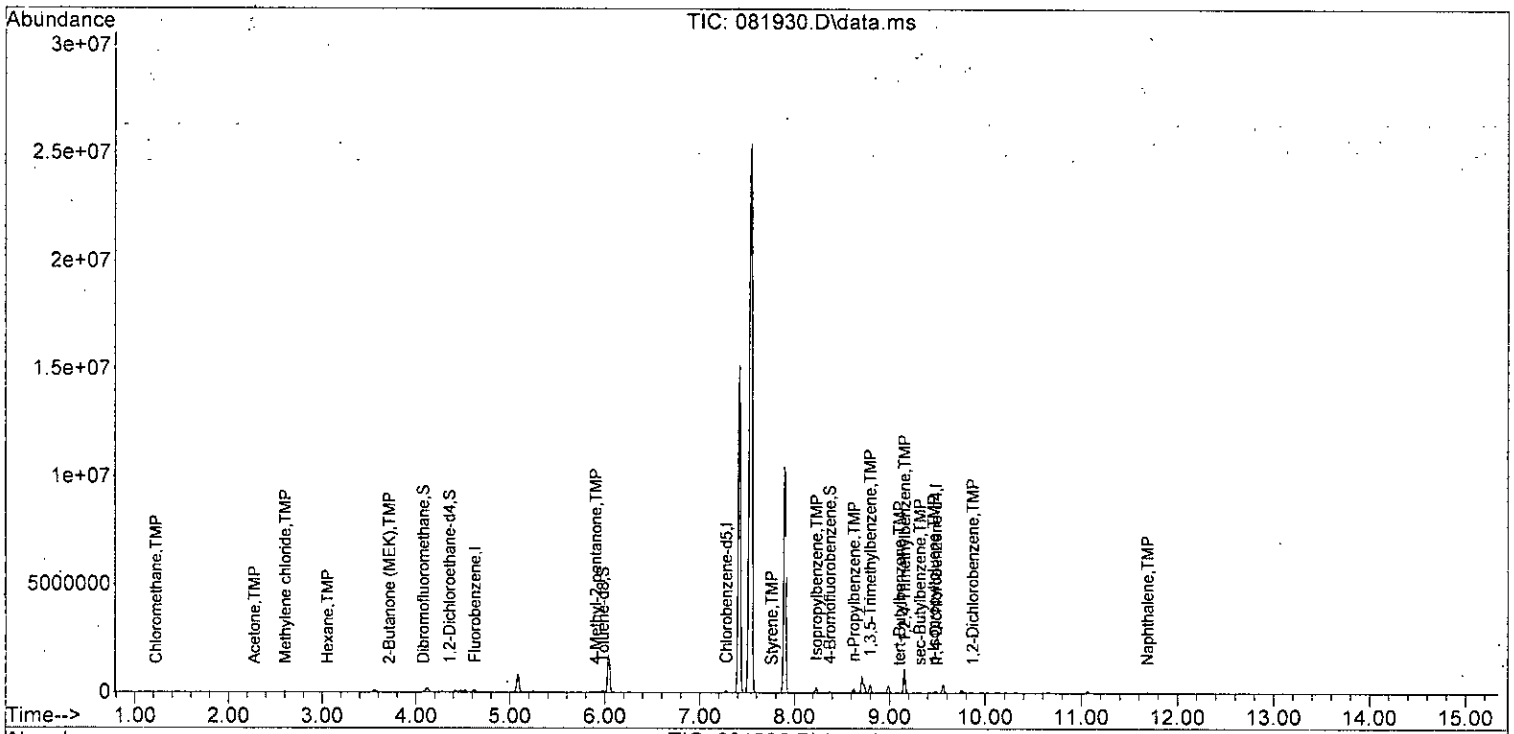
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40] Toluene	6.04	92	686737	210.721	ppb		91
41) trans-1,3-Dichloropropene	0.00		0	N.D.			
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d		
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.51	164	282	0.180	ppb		97
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.	d		
49] Ethylbenzene	7.41	91	9973546	1627.174	ppb		80
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.54	106	10114207	4256.861	ppb		95
52] o-Xylene	7.89	106	2869994	1216.969	ppb		97
53) Styrene	7.76	104	64	0.017	ppb		71
54) Isopropylbenzene	8.23	105	132510	21.487	ppb		98
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	122388	17.901	ppb		97
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	8.80	105	183424	36.195	ppb		97
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d		
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	0.00		0	N.D.	d		
64) 4-Chlorotoluene	0.00		0	N.D.	d		
65) tert-Butylbenzene	9.10	119	475	0.105	ppb		94
66) 1,2,4-Trimethylbenzene	9.16	105	517041	99.139	ppb		97
67) sec-Butylbenzene	9.32	105	3718	0.562	ppb		94
68) p-Isopropyltoluene	9.46	119	4159	0.728	ppb		94
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	9.87	146	194	0.062	ppb	#	61
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	11.69	128	26049	5.750	ppb		96
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

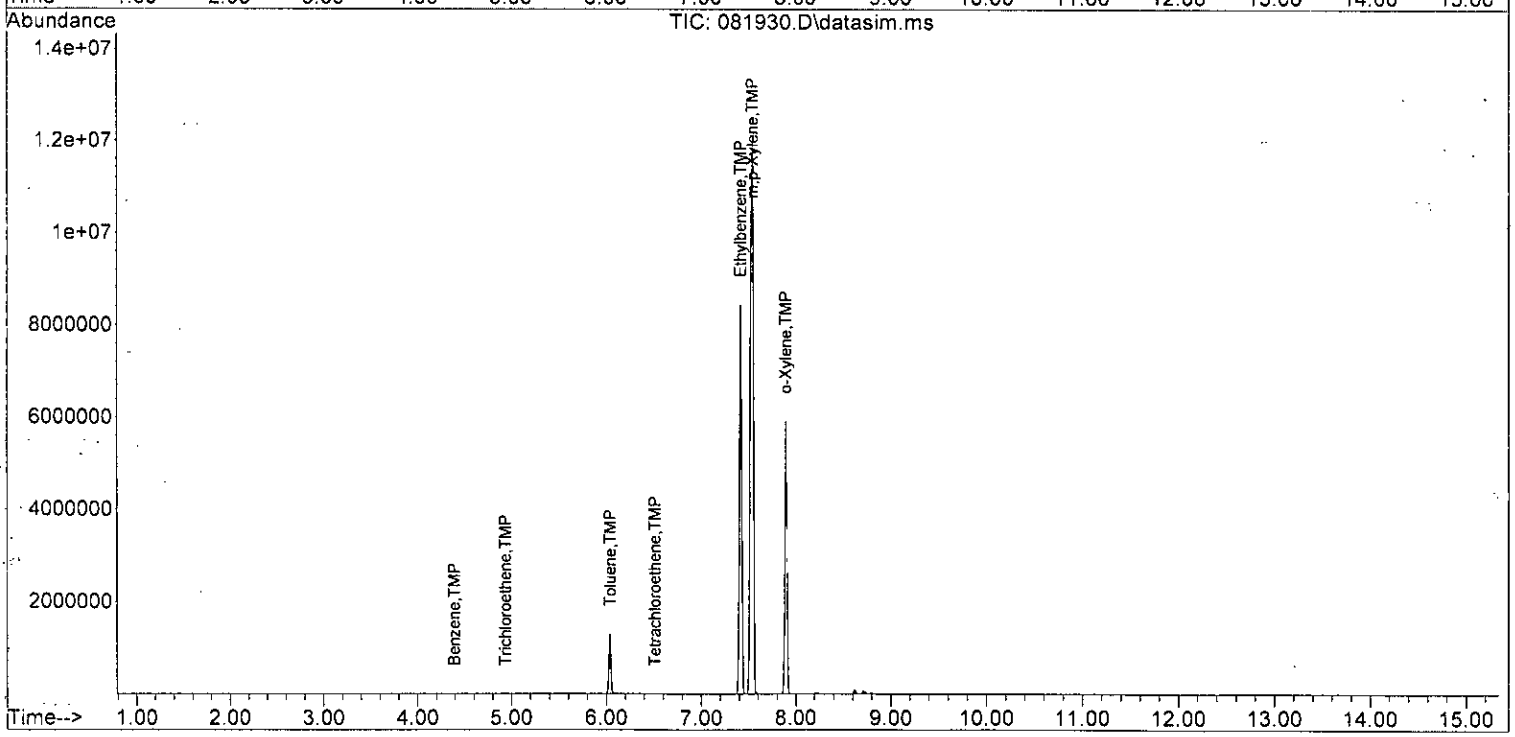
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-19-22\
Data File : 081930.D
Acq On : 19 Aug 2022 10:13 pm
Operator : LM
Sample : 208257-05
Misc : water
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 11:38:02 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

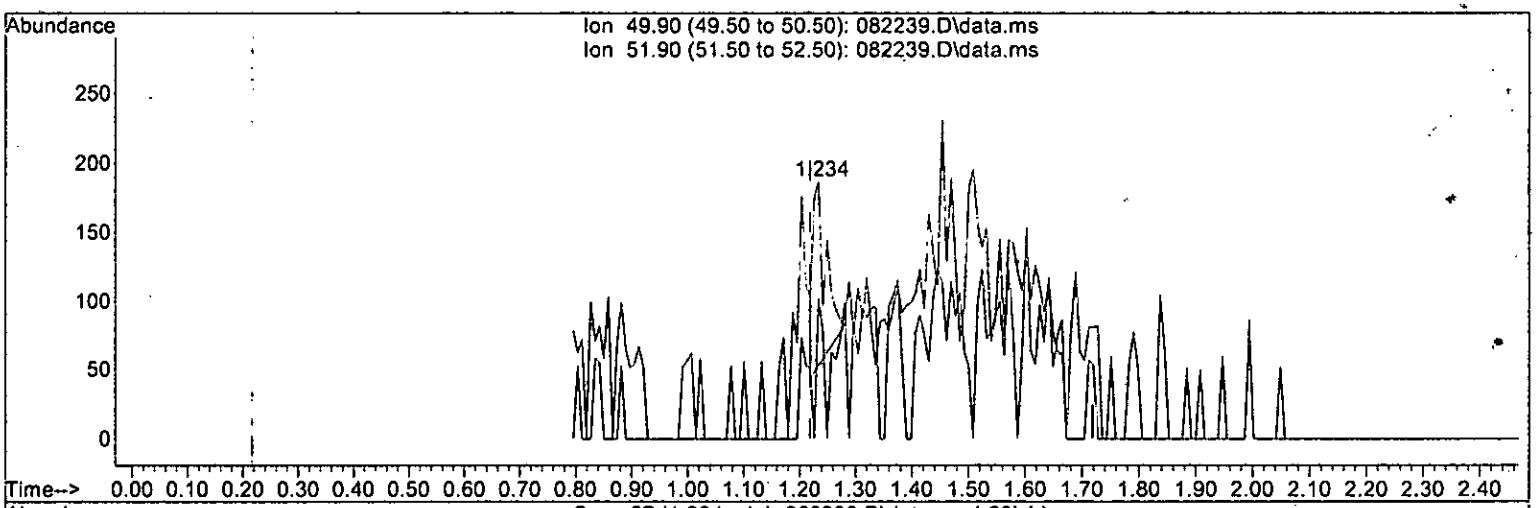


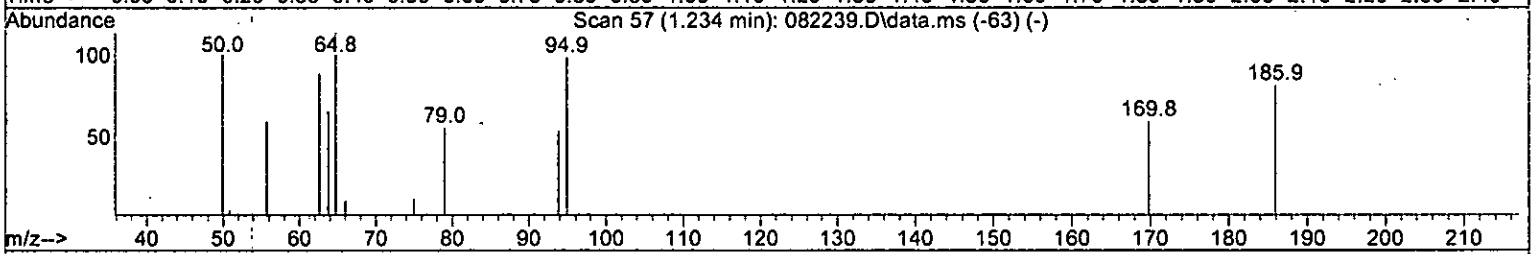


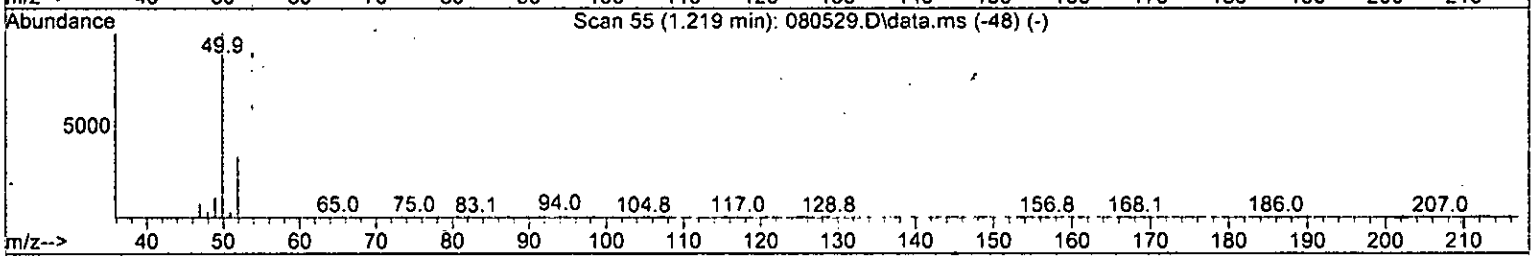
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:40 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082239.D\data.ms

(5) Chloromethane (TMP)

1.234min (+ 0.015) 0.069 ppb

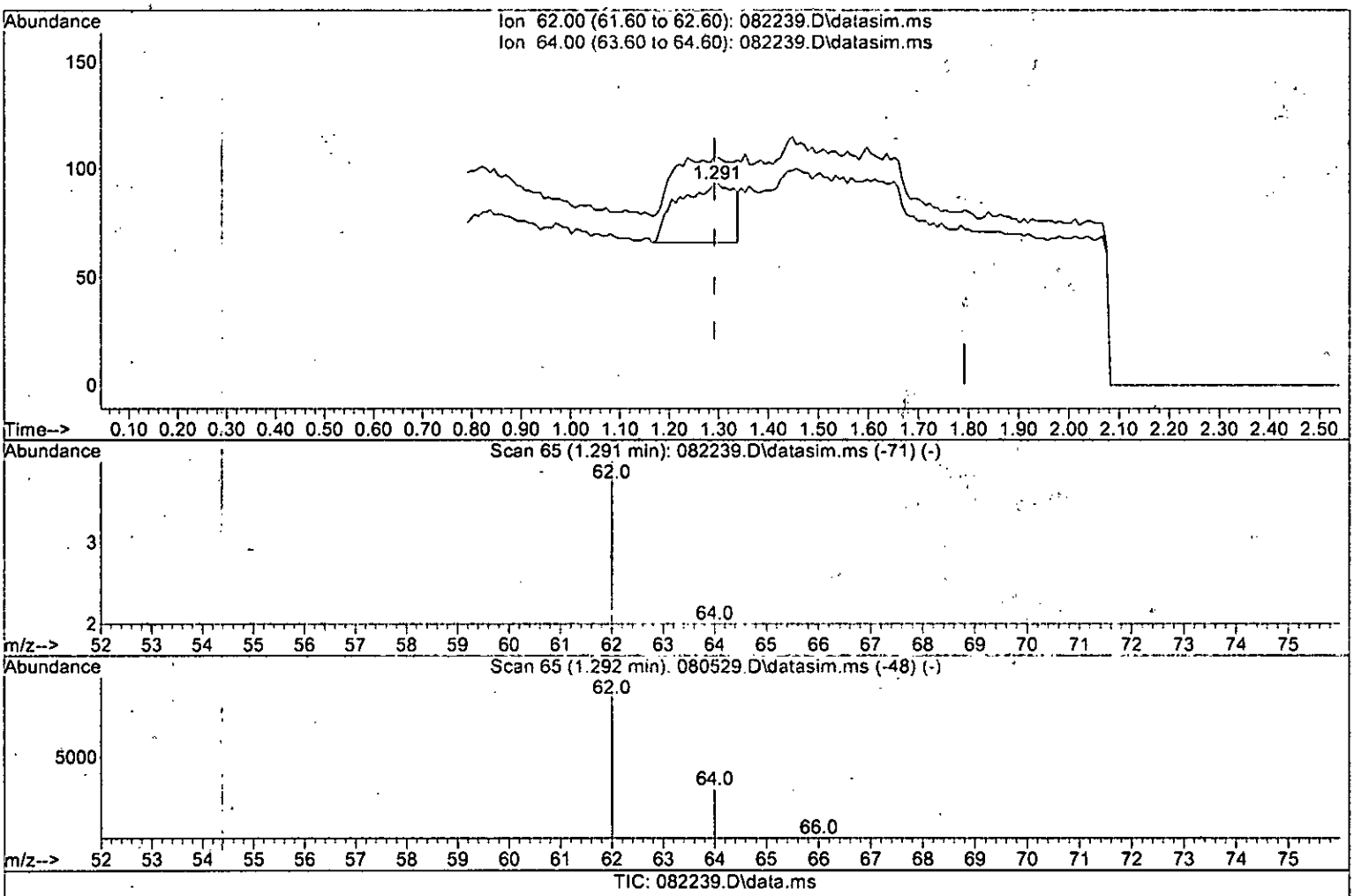
response 222

Ion	Exp%	Act%
49.90	100.00	100.00
51.90	32.30	48.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:40 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082239.D\data.ms

(6) Vinyl chloride (TMP)

1.291min (-0.001) 0.071 ppb

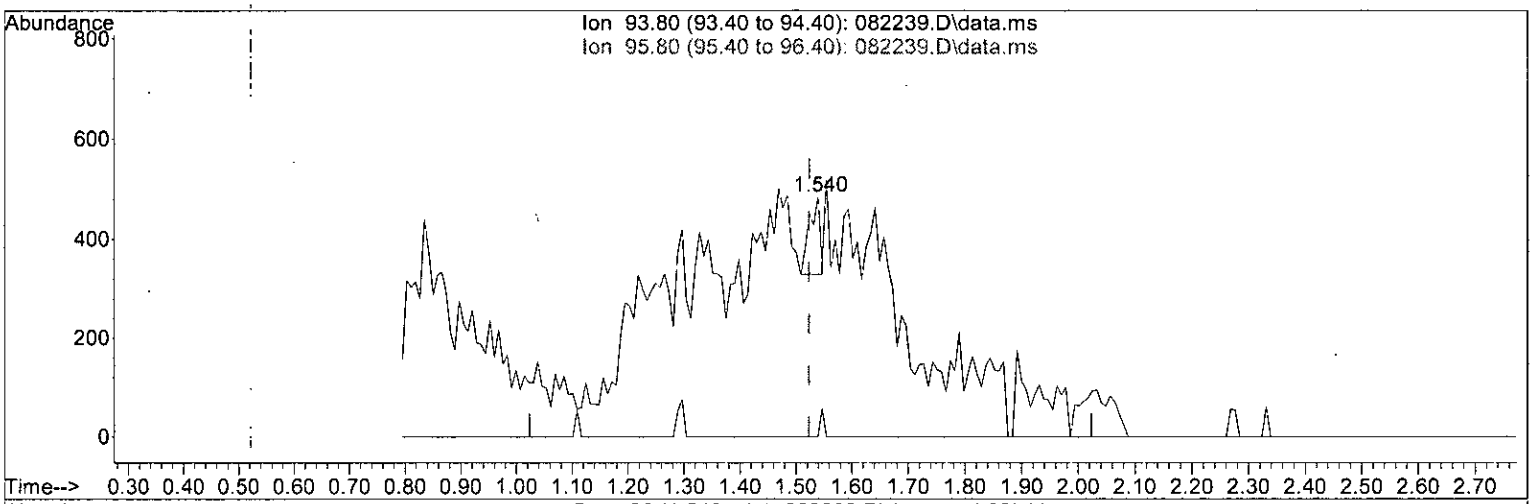
response 211

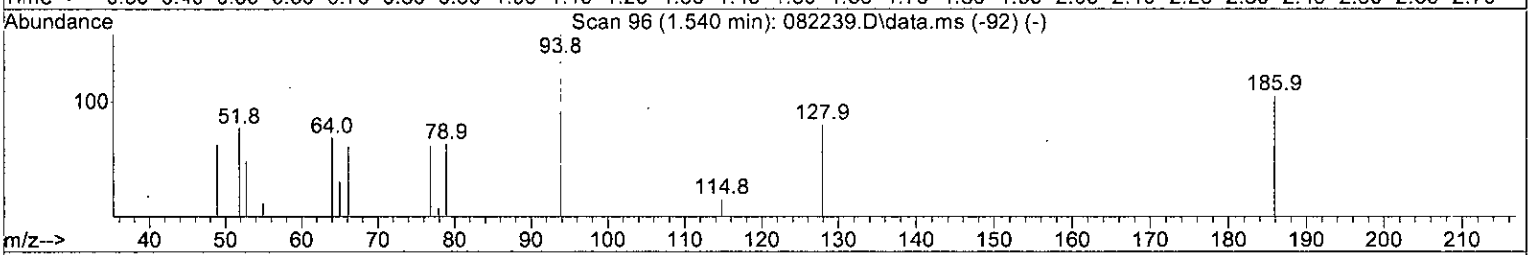
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	103.70#
0.00	0.00	0.00
0.00	0.00	0.00

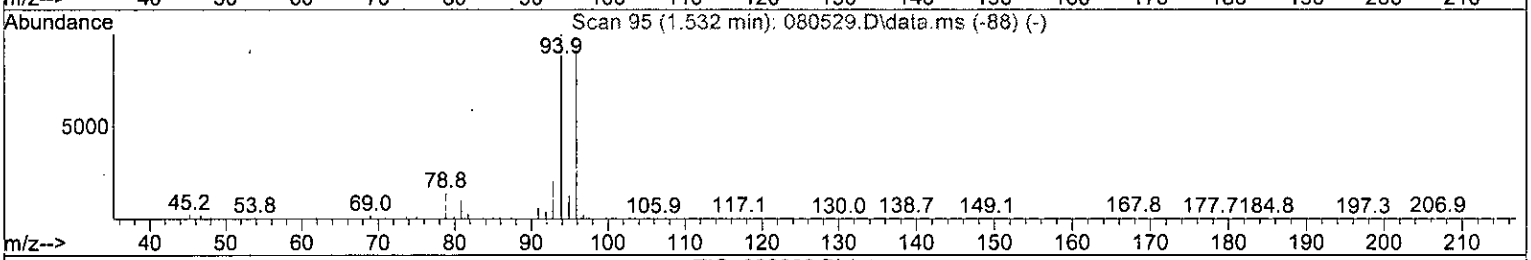
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:40 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082239.D\data.ms

(7) Bromomethane (TMP)

1.540min (+ 0.016) 0.120 ppb

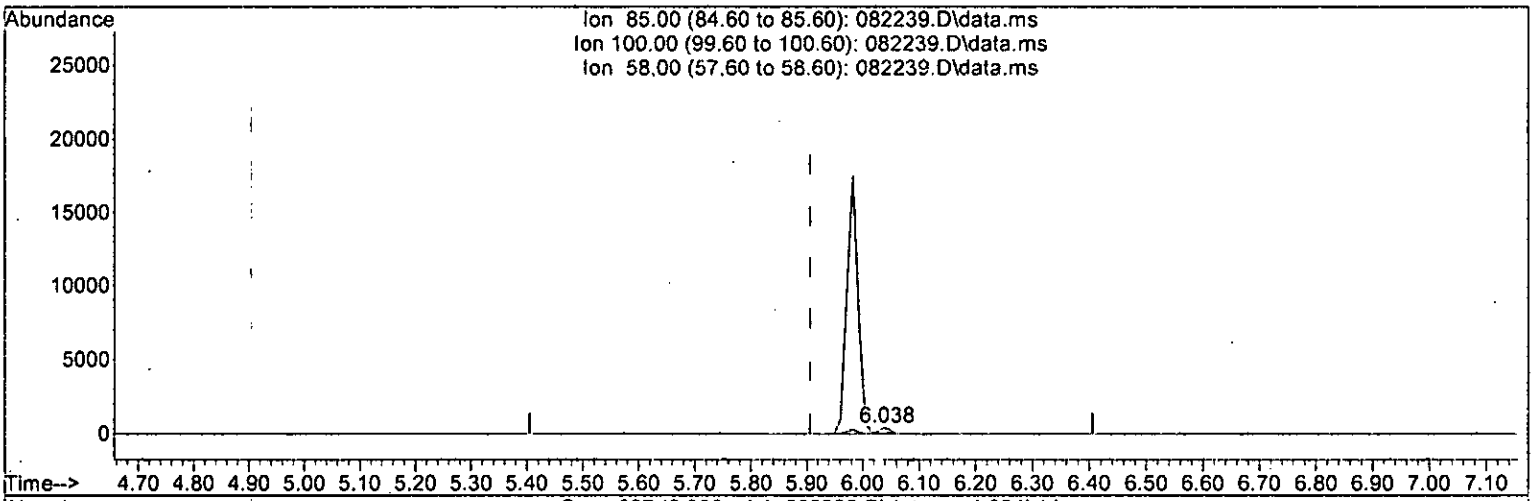
response 213

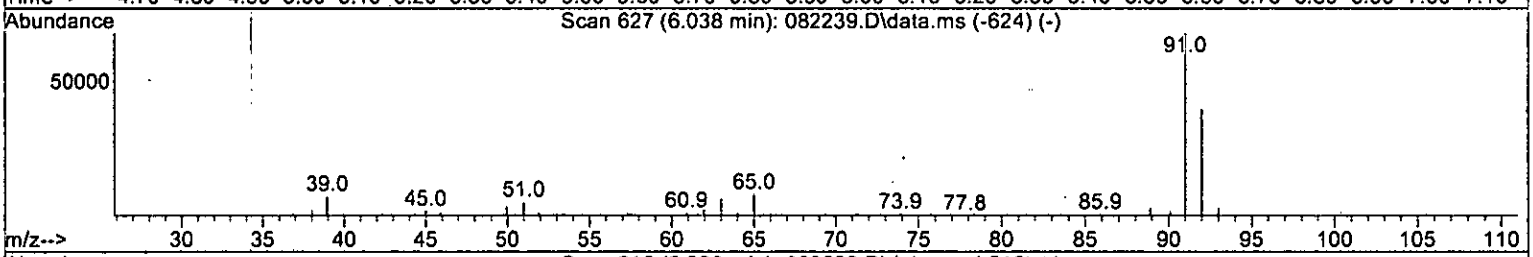
Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

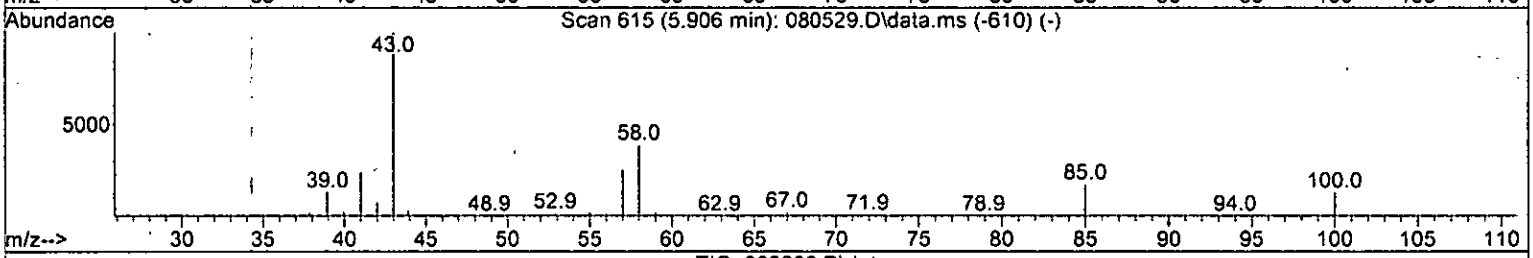
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:40 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082239.D\data.ms

(37) 4-Methyl-2-pentanone (TMP)

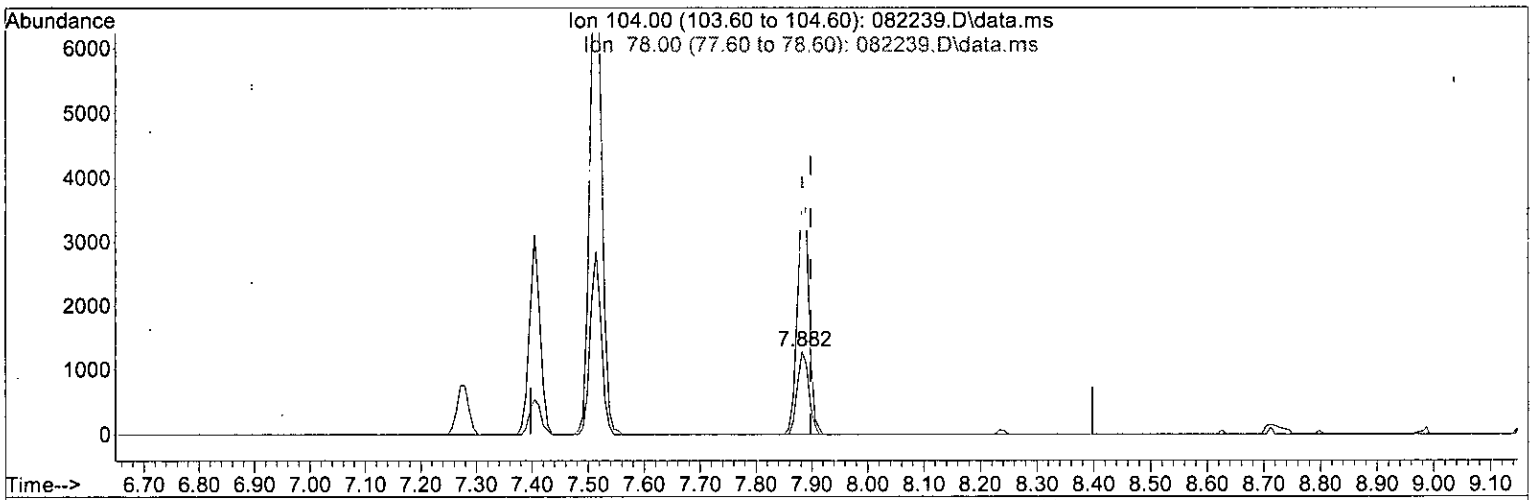
6.038min (+ 0.132) 3.491 ppb

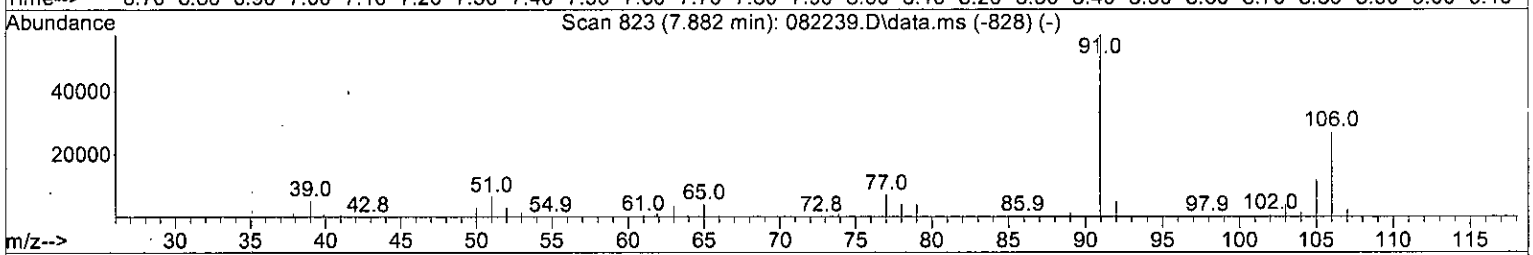
response 532

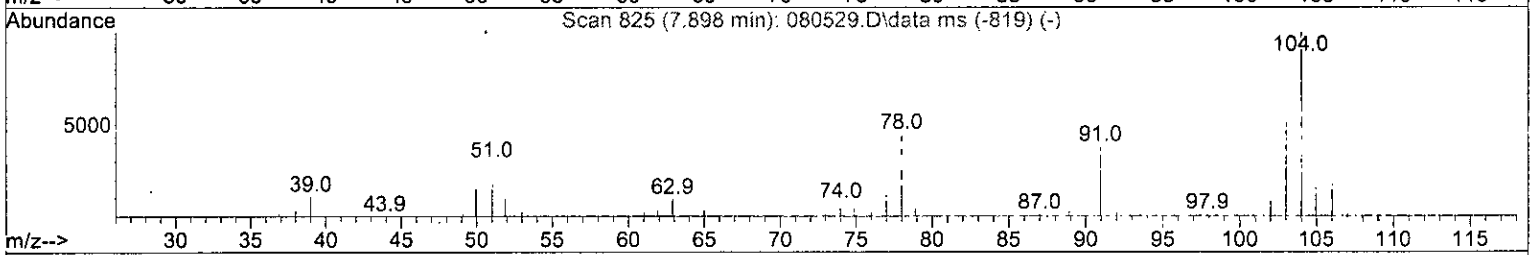
Ion	Exp%	Act%
85.00	100.00	100.00
100.00	77.70	0.00#
58.00	227.20	0.00#
0.00	0.00	0.00

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:40 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082239.D\data.ms

(53) Styrene (TMP)

7.882min (-0.016) 0.610 ppb

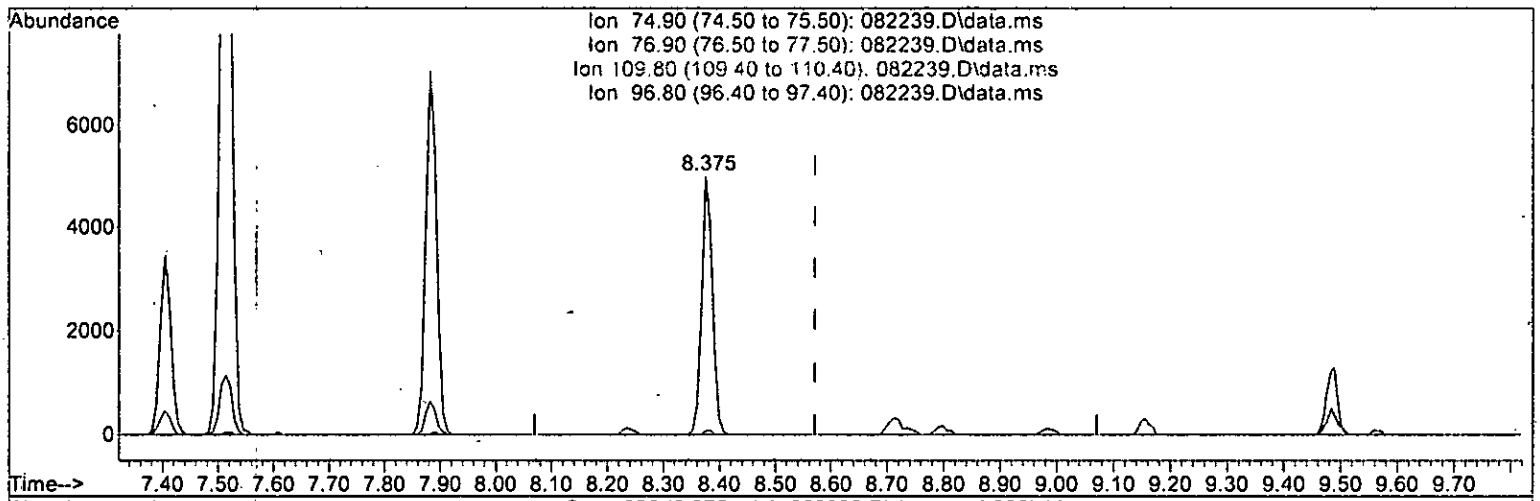
response 1826

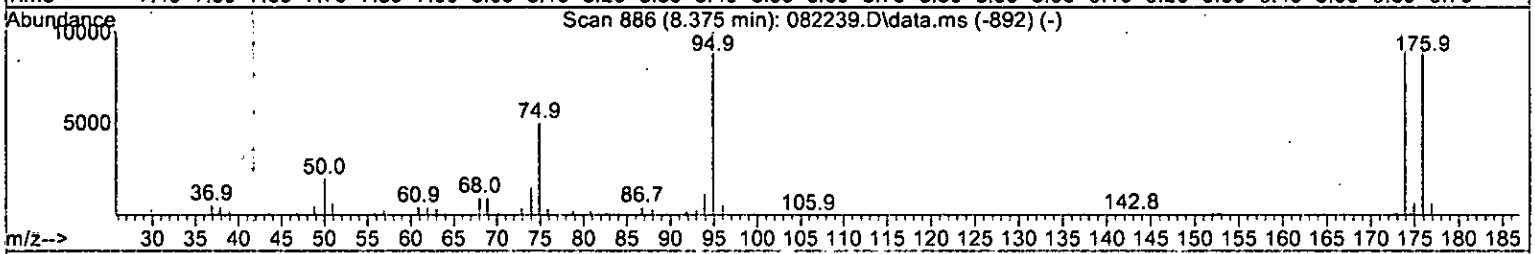
Ion	Exp%	Act%
104.00	100.00	100.00
78.00	44.50	314.70#
0.00	0.00	0.00
0.00	0.00	0.00

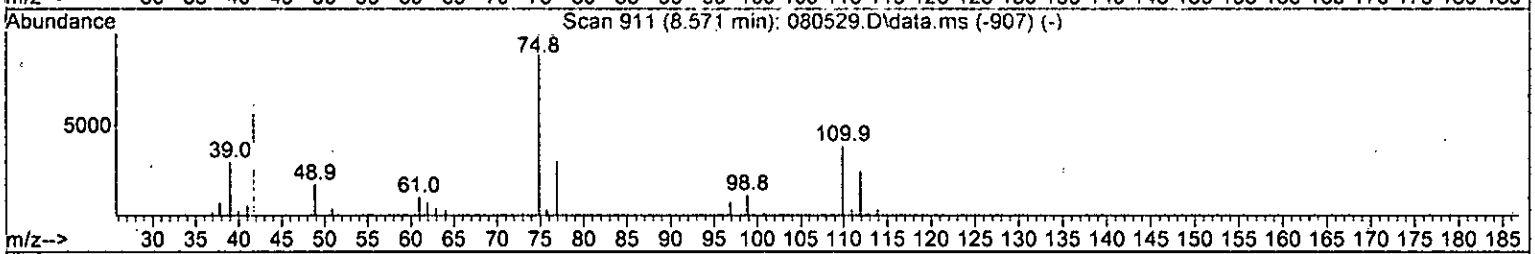
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:40 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082239.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.375min (-0.196) 8.260 ppb

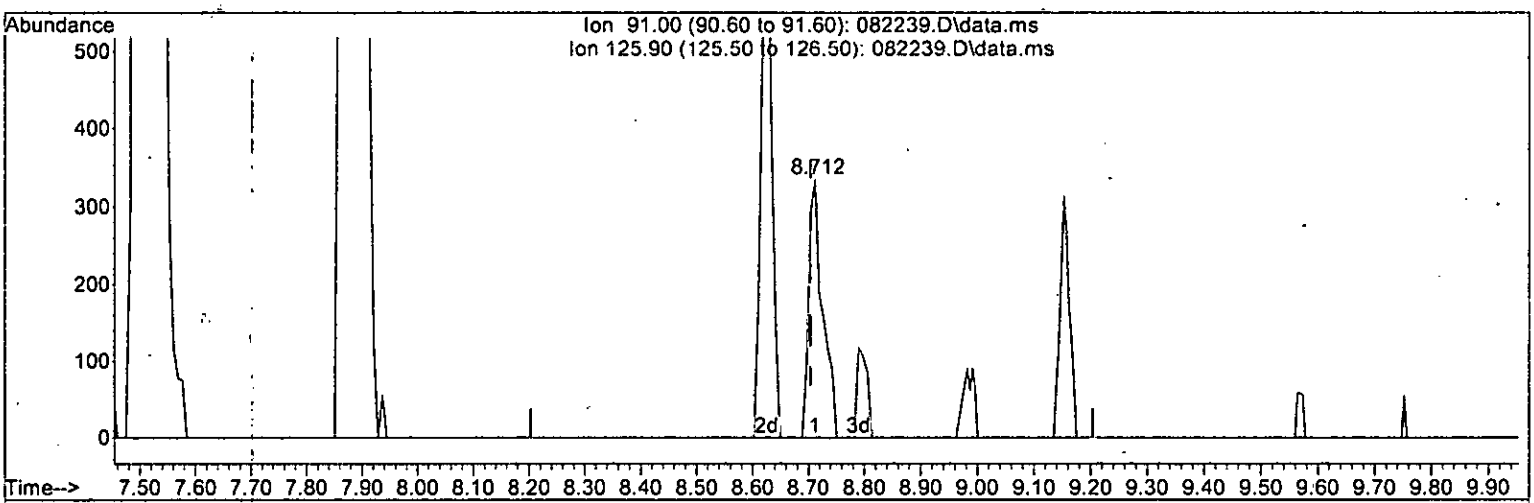
response 6602

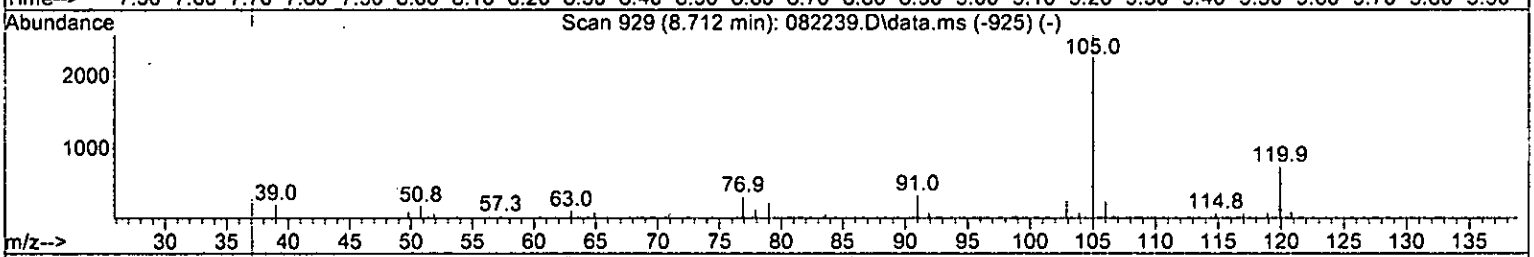
Ion	Exp%	Act%
74.90	100.00	100.00
76.90	28.10	1.42
109.80	39.20	0.00#
96.80	21.70	0.00

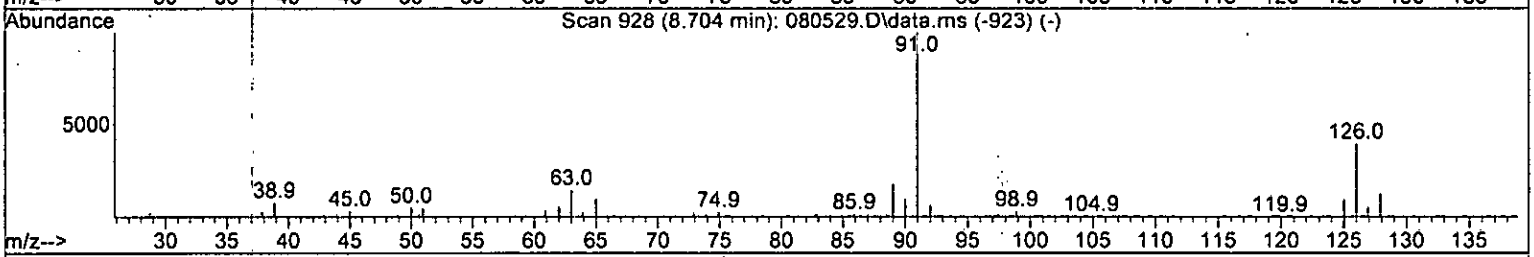
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:40 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082239.D\data.ms

(63) 2-Chlorotoluene (TMP)

8.712min (+ 0.008) 0.181 ppb

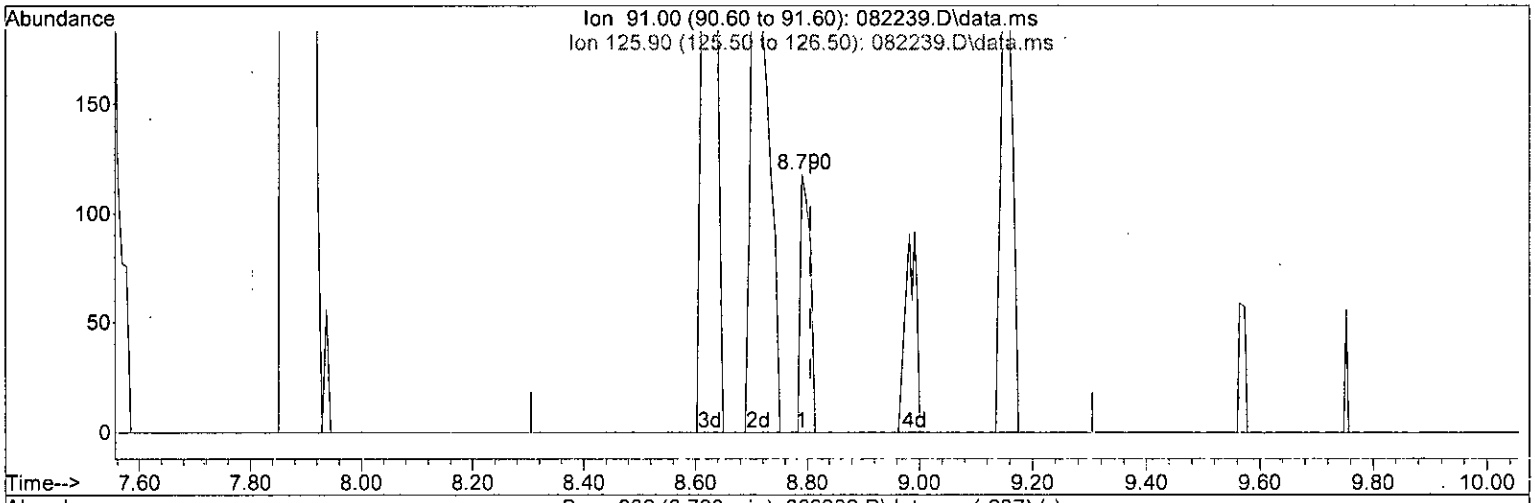
response 598

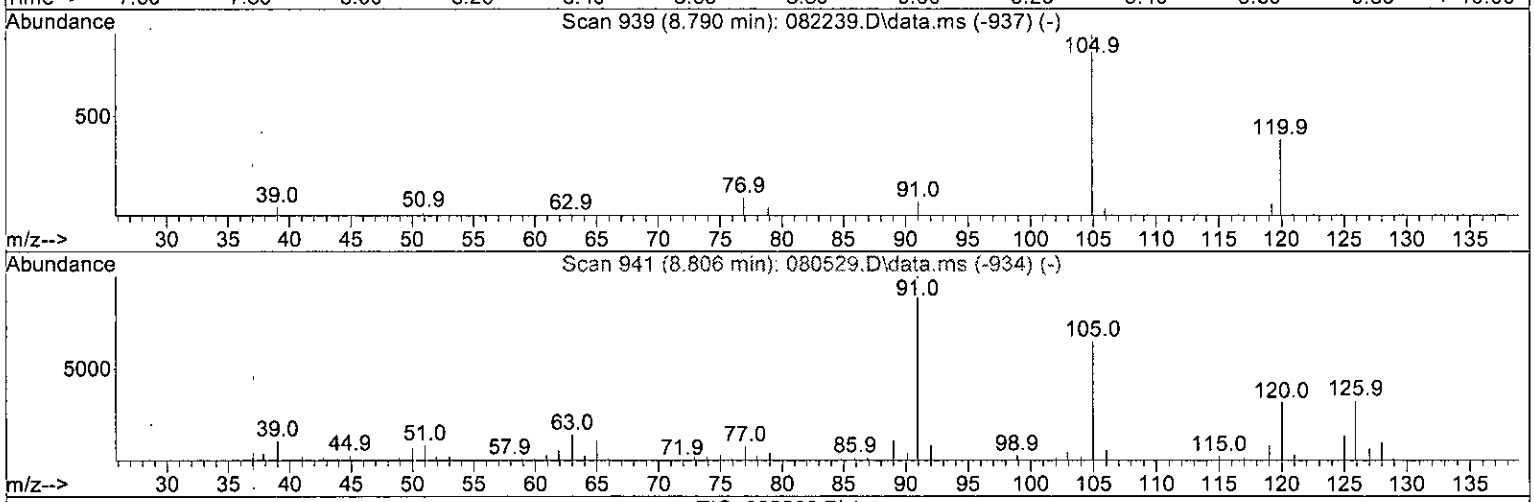
Ion	Exp%	Act%
91.00	100.00	100.00
125.90	36.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:40 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082239.D\data.ms

(64) 4-Chlorotoluene (TMP)

8.790min (-0.016) 0.038 ppb

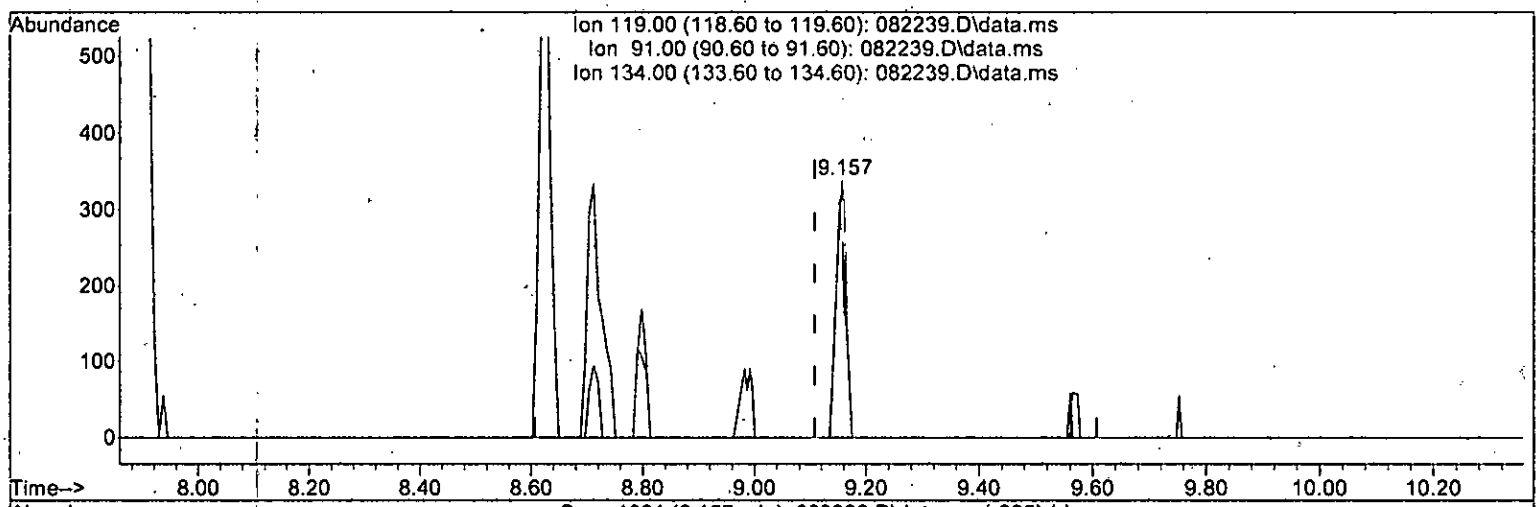
response 146

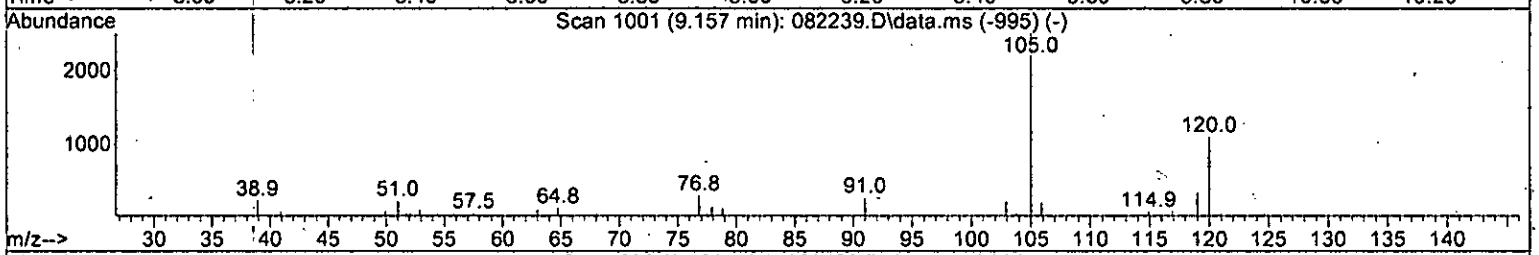
Ion	Exp%	Act%
91.00	100.00	100.00
125.90	34.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

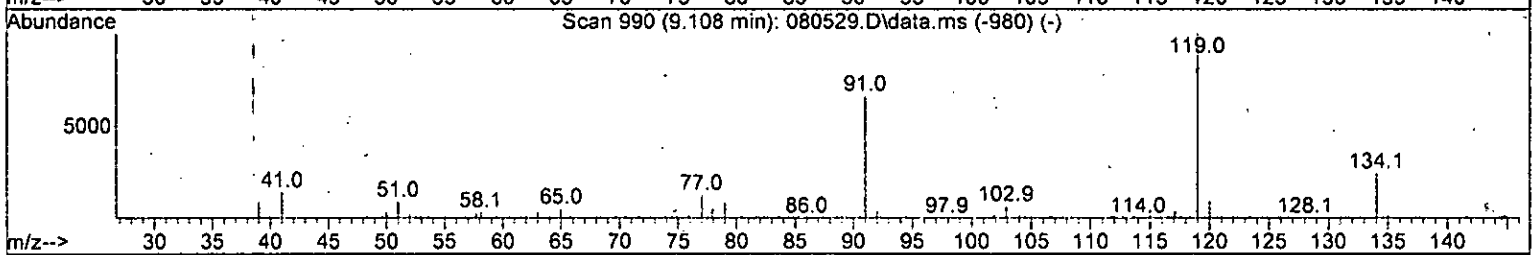
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:40 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082239.D\data.ms

(65) tert-Butylbenzene (TMP)

9.157min (+ 0.049) 0.110 ppb

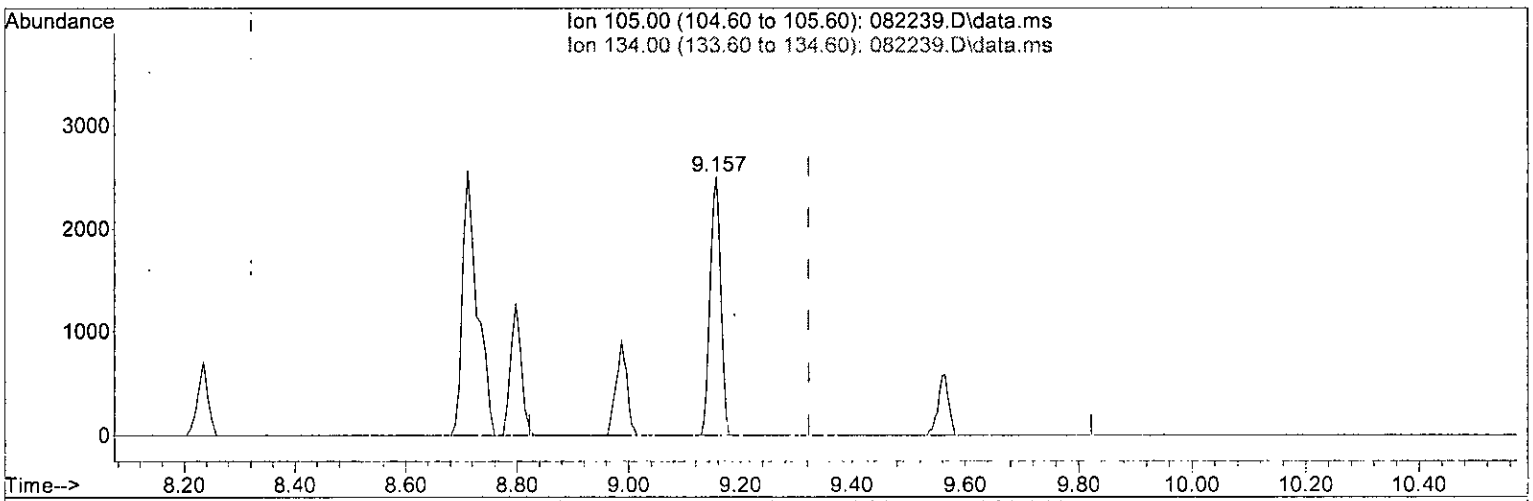
response 407

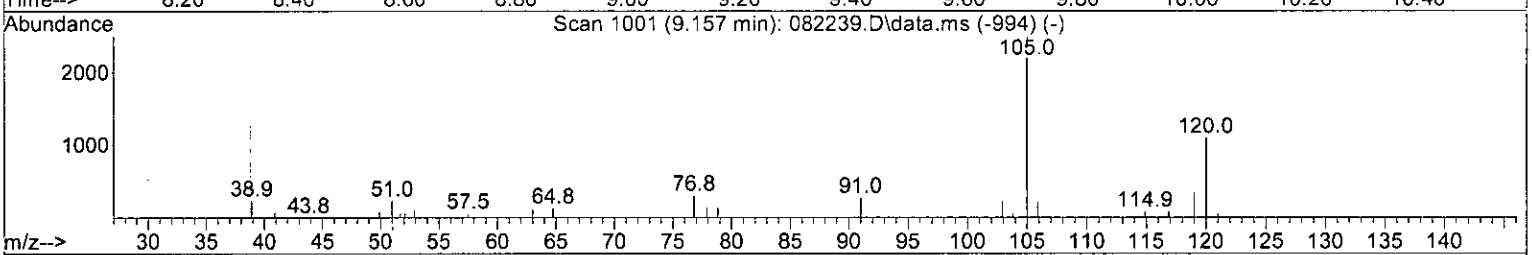
Ion	Exp%	Act%
119.00	100.00	100.00
91.00	61.70	78.76
134.00	21.60	0.00
0.00	0.00	0.00

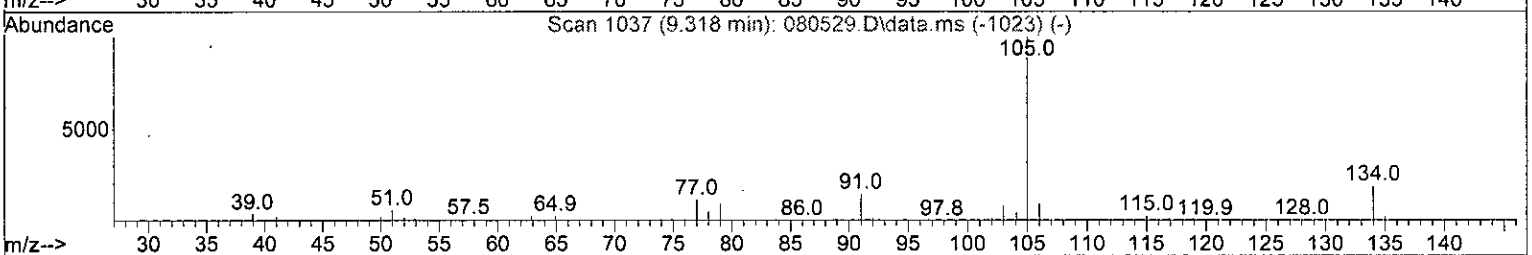
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:40 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082239.D\data.ms

(67) sec-Butylbenzene (TMP)

9.157min (-0.166) 0.608 ppb

response 3283

Ion	Exp%	Act%
105.00	100.00	100.00
134.00	19.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:02:08 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

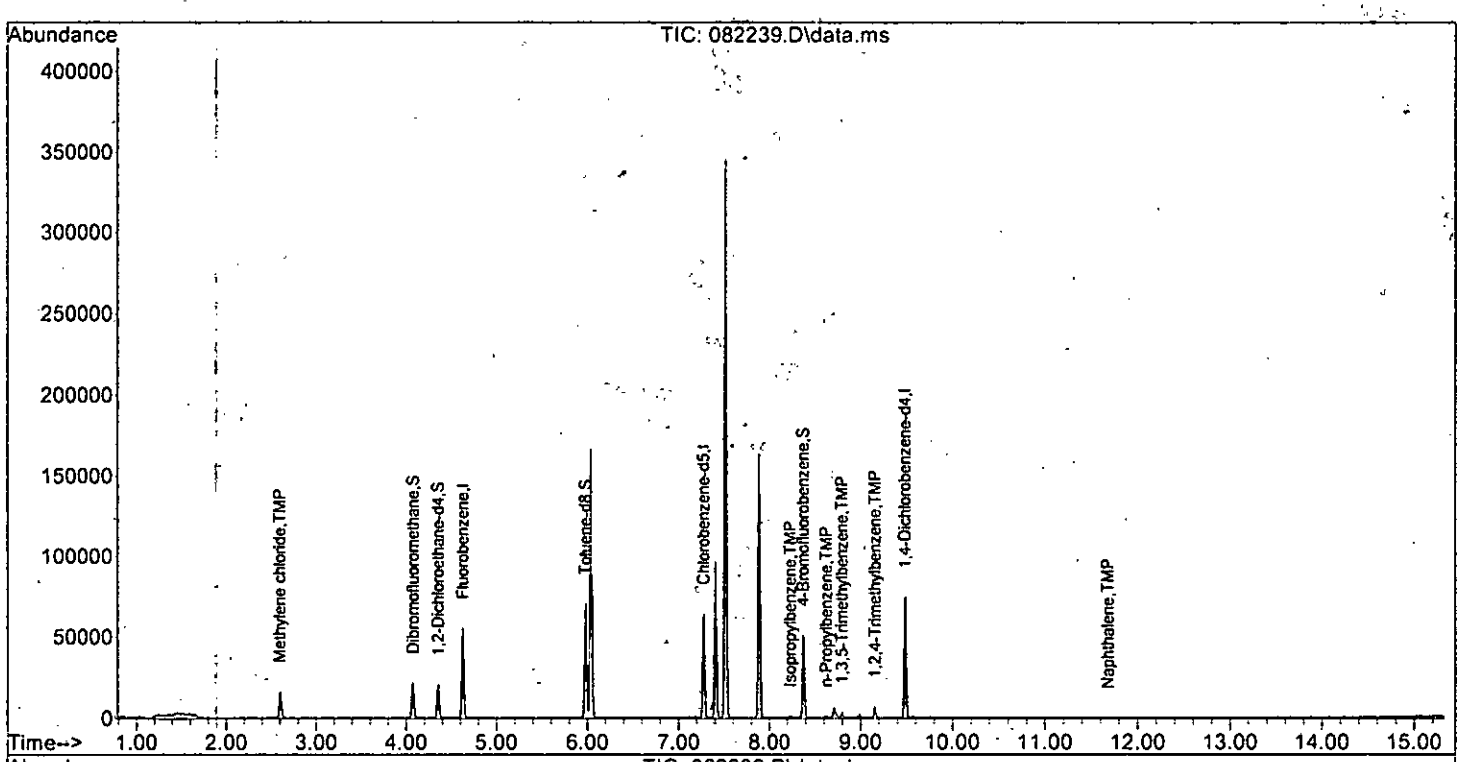
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	37395	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	30264	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	17555	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	10272	10.032	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.30%			
30) 1,2-Dichloroethane-d4	4.36	102	2177	9.819	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 98.20%			
35) Toluene-d8	5.98	98	36389	10.118	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 101.20%			
57) 4-Bromofluorobenzene	8.38	95	13976	9.635	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 96.40%			
Target Compounds						Qvalue
14) Methylene chloride	2.60	84	6179	0.943	ppb	98
40) Toluene	6.04	92	58375	22.622	ppb	91
49) Ethylbenzene	7.41	91	58164	12.007	ppb	86
51) m,p-Xylene	7.52	106	86853	46.266	ppb	100
52) o-Xylene	7.88	106	39615	21.261	ppb	96
54) Isopropylbenzene	8.23	105	912	0.187	ppb	93
58) n-Propylbenzene	8.63	91	964	0.173	ppb	94
60) 1,3,5-Trimethylbenzene	8.80	105	1689	0.408	ppb	97
66) 1,2,4-Trimethylbenzene	9.16	105	3283	0.771	ppb	94
75) Naphthalene	11.68	128	129	0.035	ppb	68

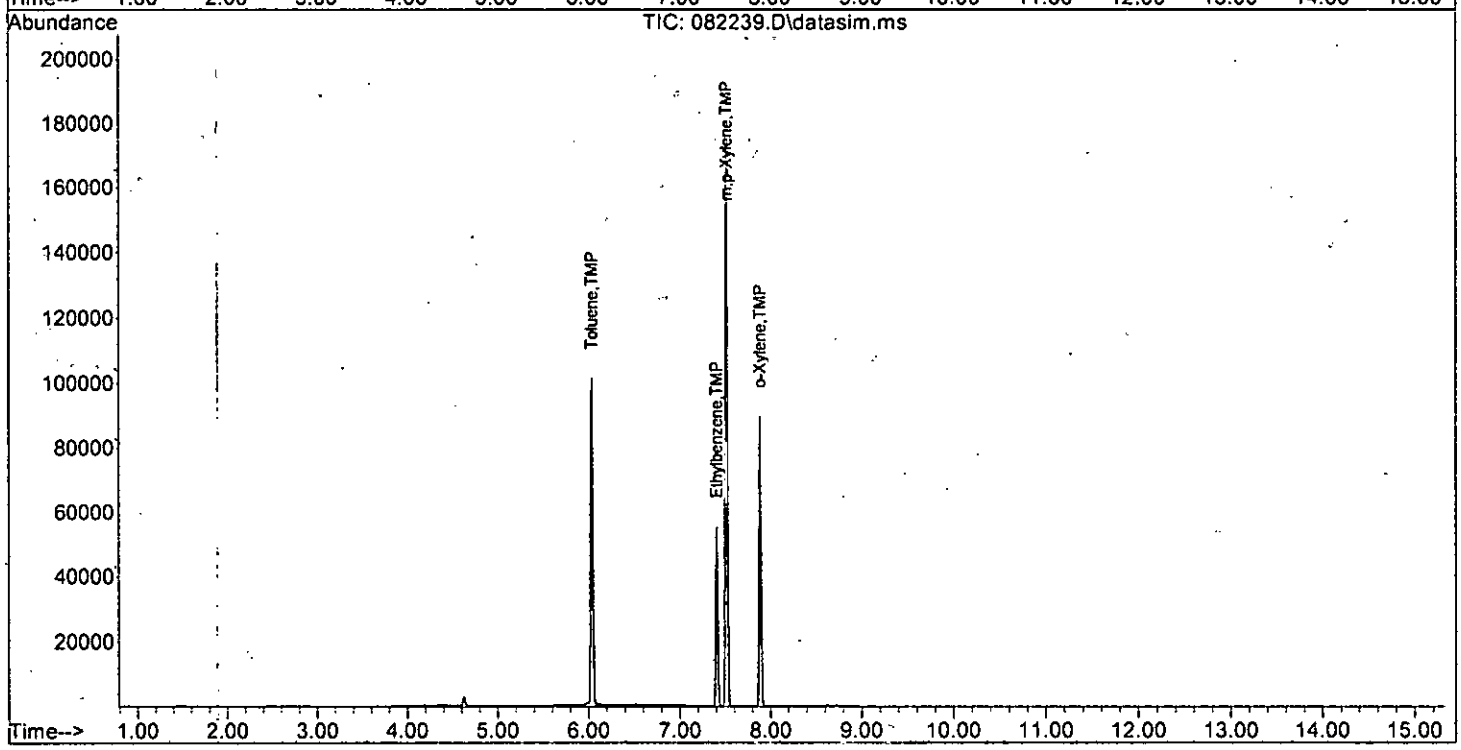
(#) = qualifier out of range (m) = manual integration (+) = signals summed

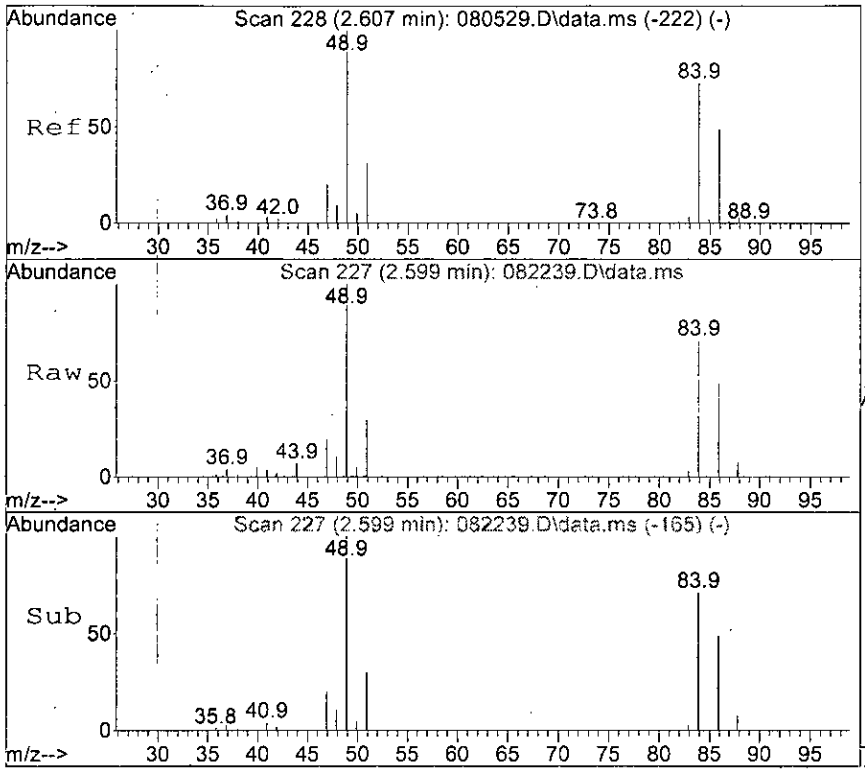
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:02:08 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



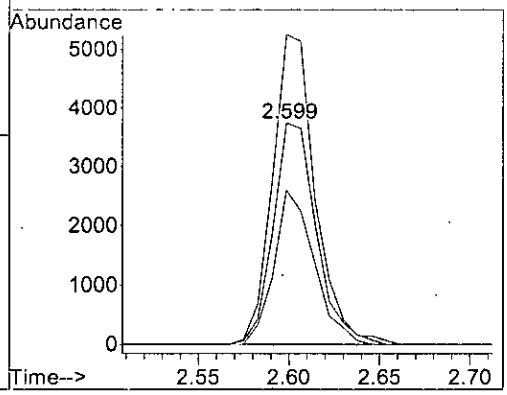


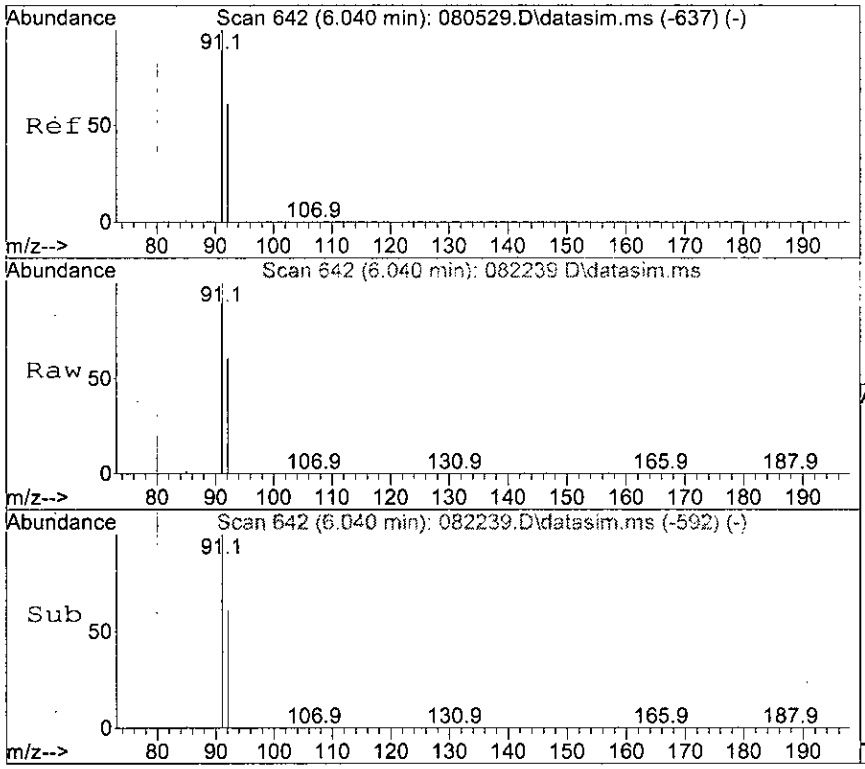


#14
Methylene chloride
Concen: 0.943 ppb
RT: 2.60 min Scan# 227
Delta R.T. -0.000 min
Lab File: 082239.D
Acq: 22 Aug 2022 07:26 pm

Tgt Ion: 84 Resp: 6179

Ion	Ratio	Lower	Upper
84	100		
86	69.4	38.7	98.7
49	140.7	114.1	174.1

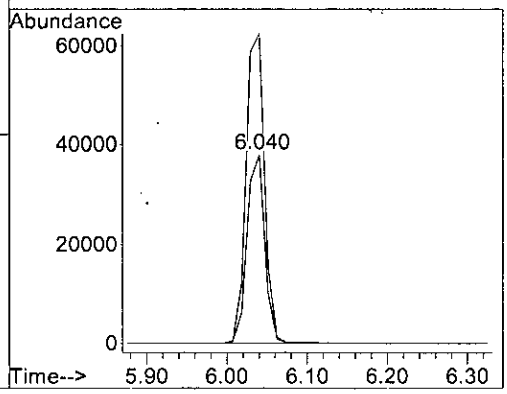


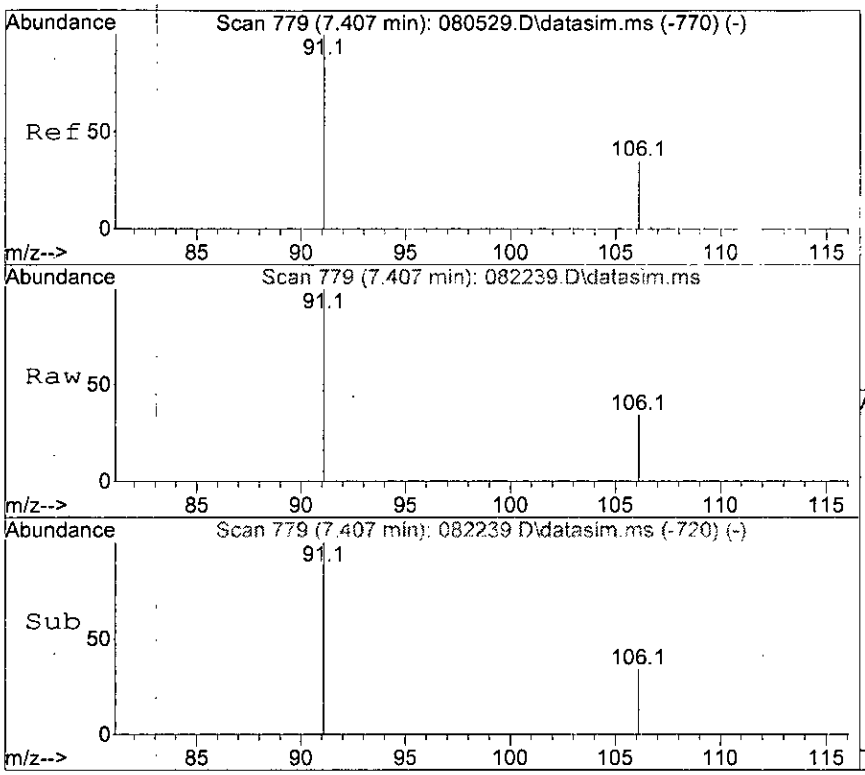


#40
Toluene
Concen: 22.622 ppb
RT: 6.04 min Scan# 642
Delta R.T. 0.011 min
Lab File: 082239.D
Acq: 22 Aug 2022 07:26 pm

Tgt Ion: 92 Resp: 58375

Ion	Ratio	Lower	Upper
92	100		
91	164.6	147.4	207.4

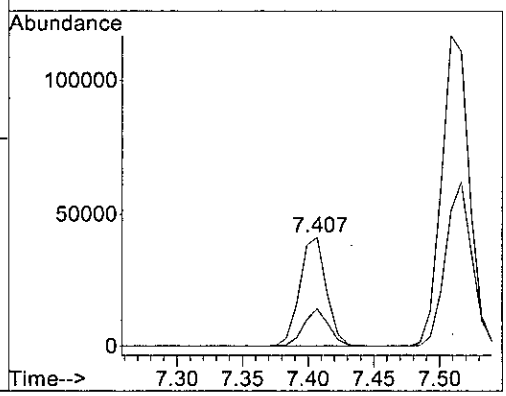


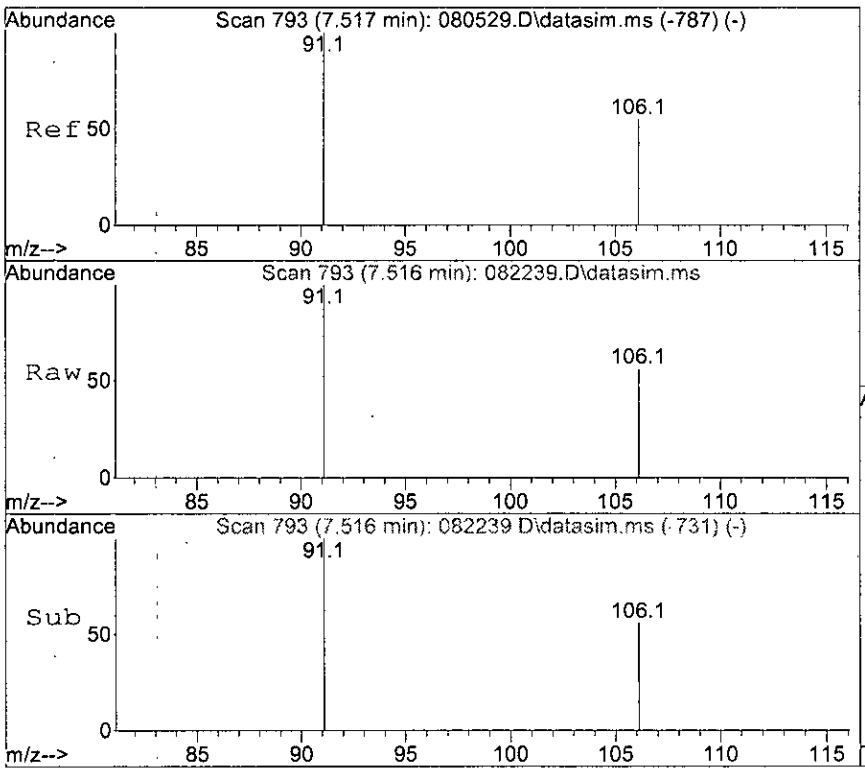


#49
Ethylbenzene
Concen: 12.007 ppb
RT: 7.41 min Scan# 779
Delta R.T. 0.008 min
Lab File: 082239.D
Acq: 22 Aug 2022 07:26 pm

Tgt Ion: 91 Resp: 58164

Ion	Ratio	Lower	Upper
91	100		
106	34.3	0.0	57.3

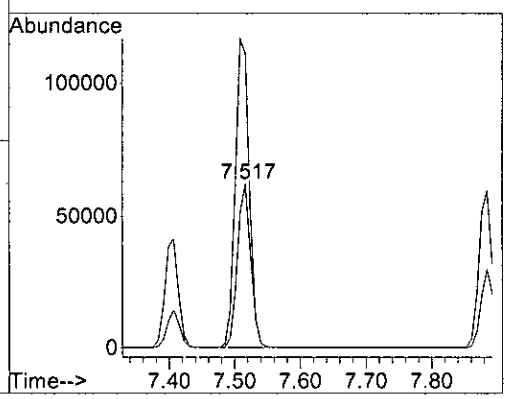


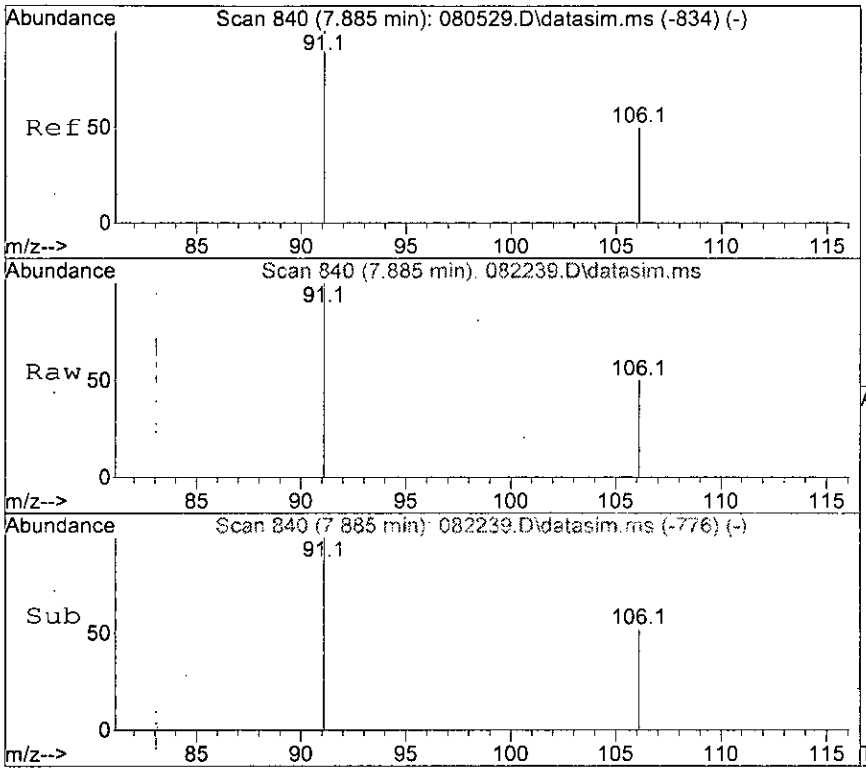


#51
m,p-Xylene
Concen: 46.266 ppb
RT: 7.52 min Scan# 793
Delta R.T. -0.001 min
Lab File: 082239.D
Acq: 22 Aug 2022 07:26 pm

Tgt Ion:106 Resp: 86853

Ion	Ratio	Lower	Upper
106	100		
91	178.6	148.7	208.7

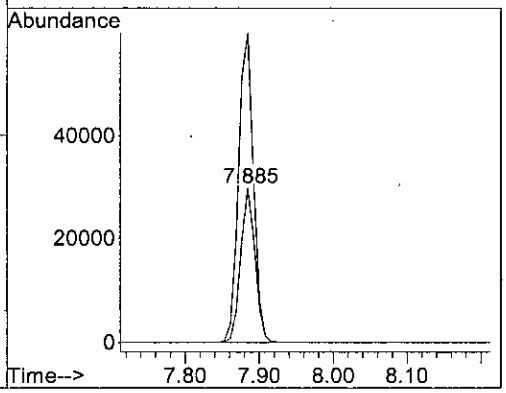


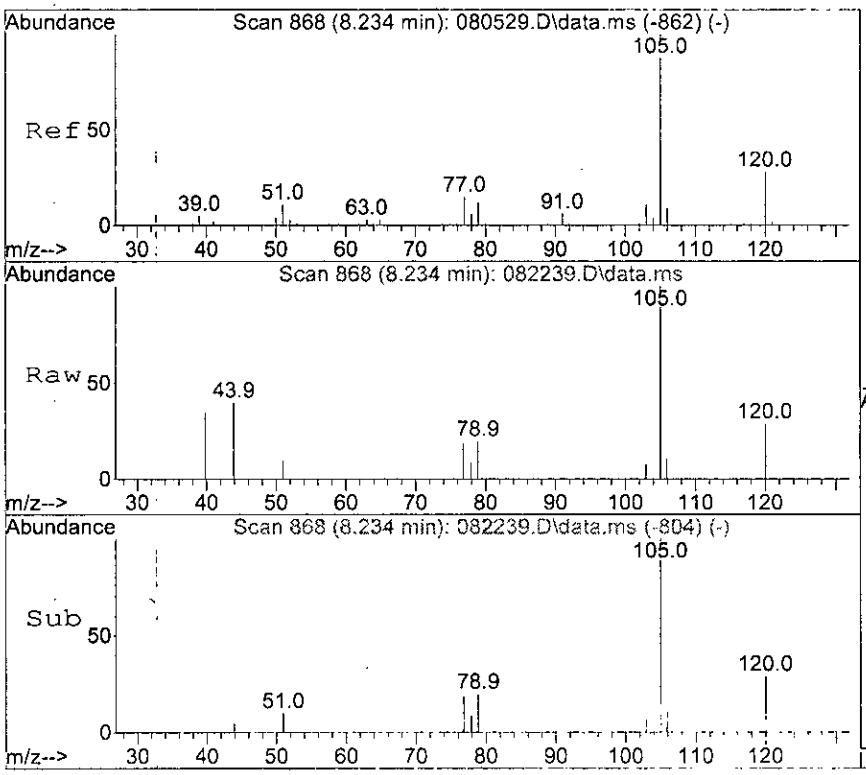


#52
o-Xylene
Concen: 21.261 ppb
RT: 7.88 min Scan# 840
Delta R.T. -0.000 min
Lab File: 082239.D
Acq: 22 Aug 2022 07:26 pm

Tgt Ion:106 Resp: 39615

Ion	Ratio	Lower	Upper
106	100		
91	200.5	164.0	224.0

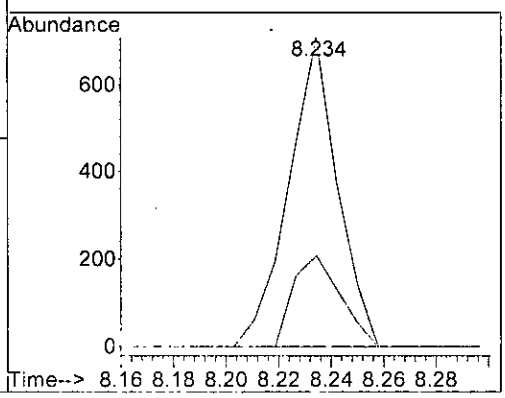


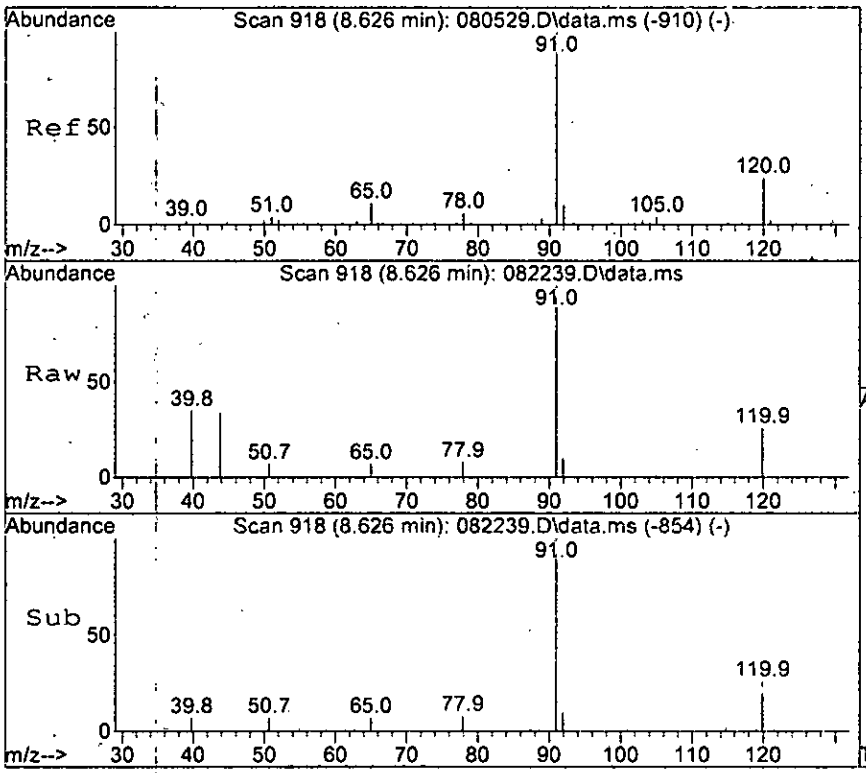


#54
Isopropylbenzene
Concen: 0.187 ppb
RT: 8.23 min Scan# 868
Delta R.T. -0.001 min
Lab File: 082239.D
Acq: 22 Aug 2022 07:26 pm

Tgt Ion:105 Resp: 912

Ion	Ratio	Lower	Upper
105	100		
120	29.3	0.0	55.6

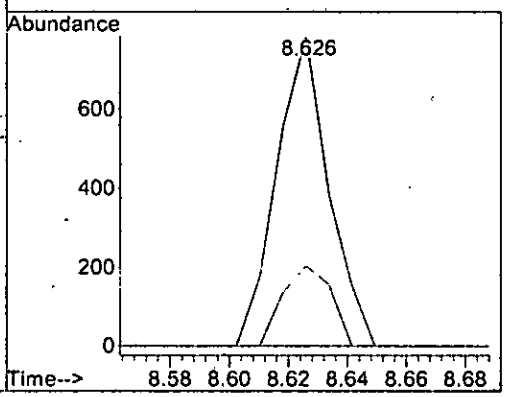


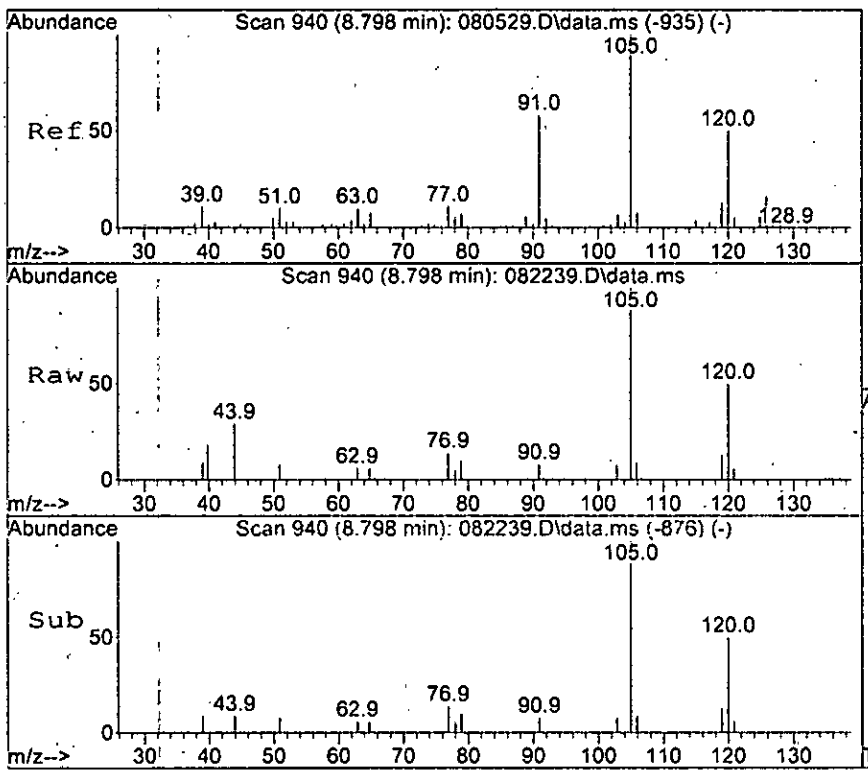


#58
n-Propylbenzene
Concen: 0.173 ppb
RT: 8.63 min Scan# 918
Delta R.T. -0.000 min
Lab File: 082239.D
Acq: 22 Aug 2022 07:26 pm

Tgt Ion: 91 Resp: 964

Ion	Ratio	Lower	Upper
91	100		
120	25.9	0.0	53.2

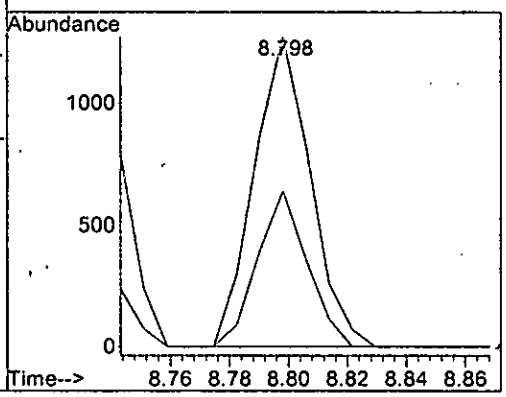


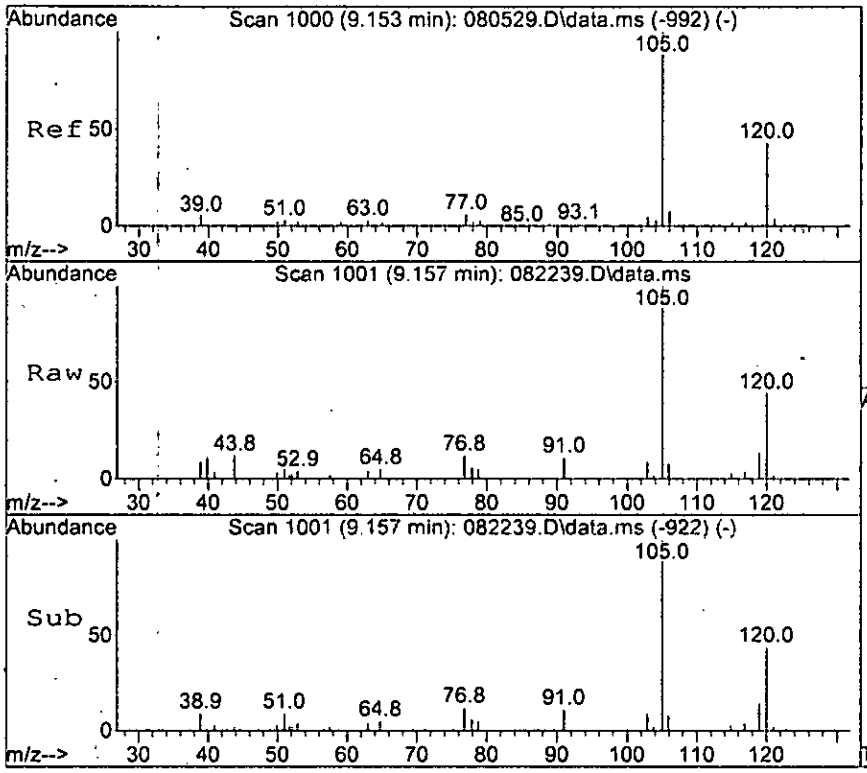


#60
1,3,5-Trimethylbenzene
Concen: 0.408 ppb
RT: 8.80 min Scan# 940
Delta R.T. 0.000 min
Lab File: 082239.D
Acq: 22 Aug 2022 07:26 pm

Tgt Ion:105 Resp: 1689

Ion	Ratio	Lower	Upper
105	100		
120	50.5	18.4	78.4

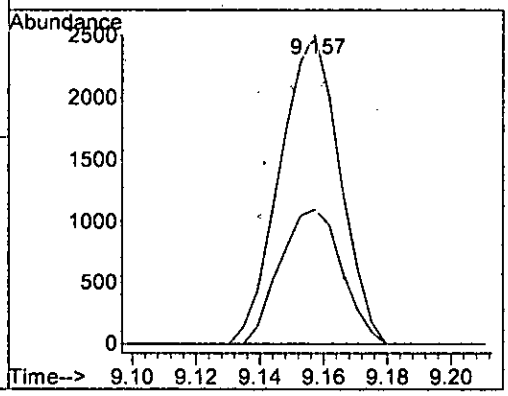


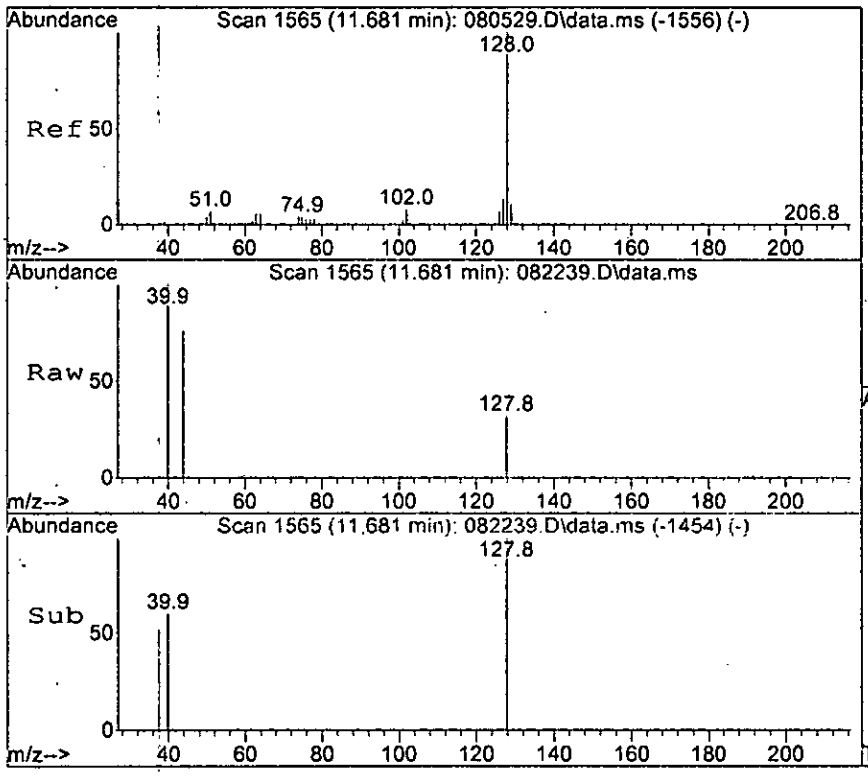


#66
1,2,4-Trimethylbenzene
Concen: 0.771 ppb
RT: 9.16 min Scan# 1001
Delta R.T. 0.000 min
Lab File: 082239.D
Acq: 22 Aug 2022 07:26 pm

Tgt Ion:105 Resp: 3283

Ion	Ratio	Lower	Upper
105	100		
120	43.8	17.8	77.8

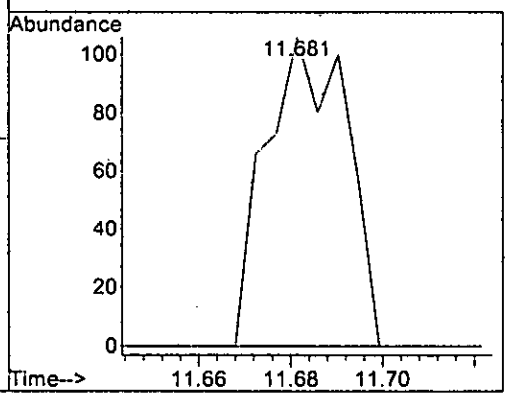




#75
Naphthalene
Concen: 0.035 ppb
RT: 11.68 min Scan# 1565
Delta R.T. -0.005 min
Lab File: 082239.D
Acq: 22 Aug 2022 07:26 pm

Tgt Ion:128 Resp: 129

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.6
127	0.0	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:02:08 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	37395	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	30264	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	17555	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	10272	10.032	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.30%			
30) 1,2-Dichloroethane-d4	4.36	102	2177	9.819	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 98.20%			
35) Toluene-d8	5.98	98	36389	10.118	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 101.20%			
57) 4-Bromofluorobenzene	8.38	95	13976	9.635	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 96.40%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.60	84	6179	0.943	ppb	98
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.04	92	58375	22.622	ppb	91
41) trans-1,3-Dichloropropene	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

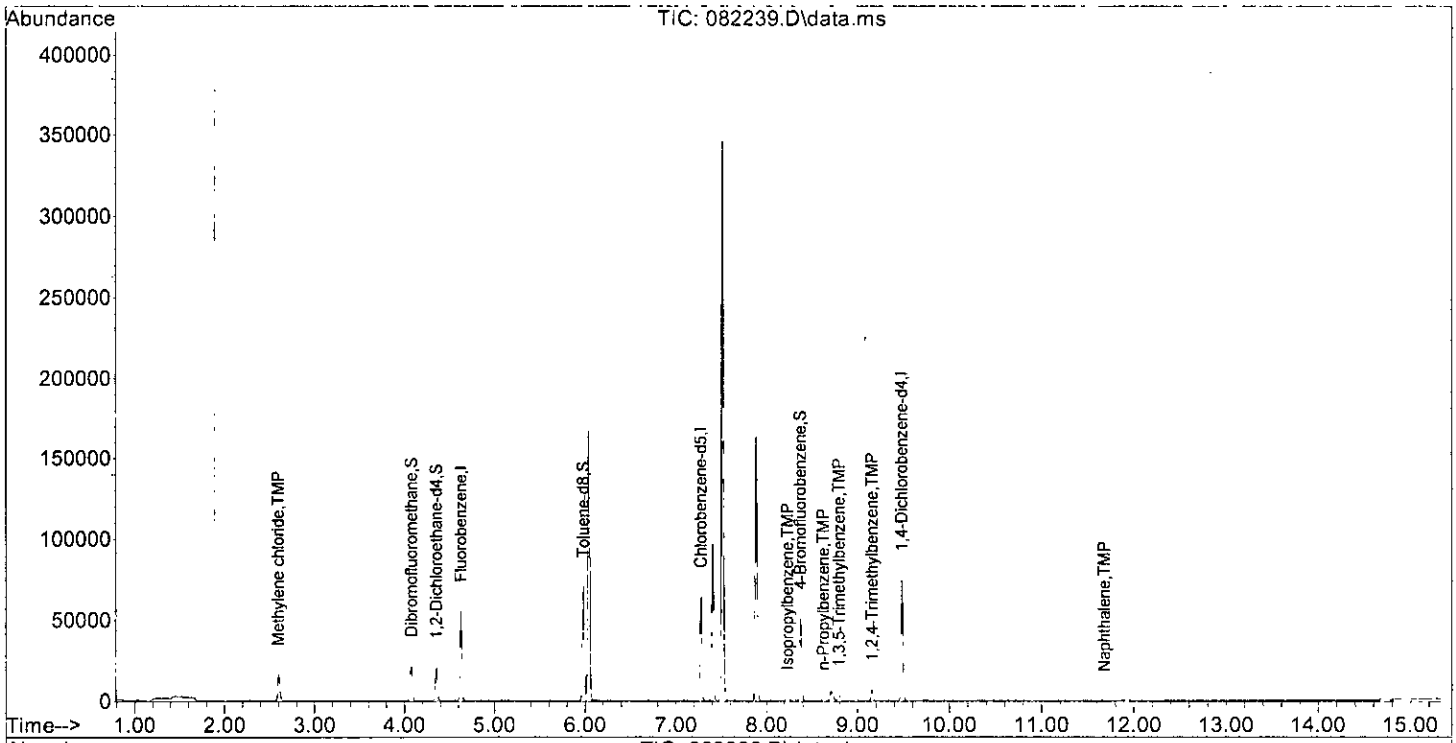
Quant Time: Aug 23 10:02:08 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

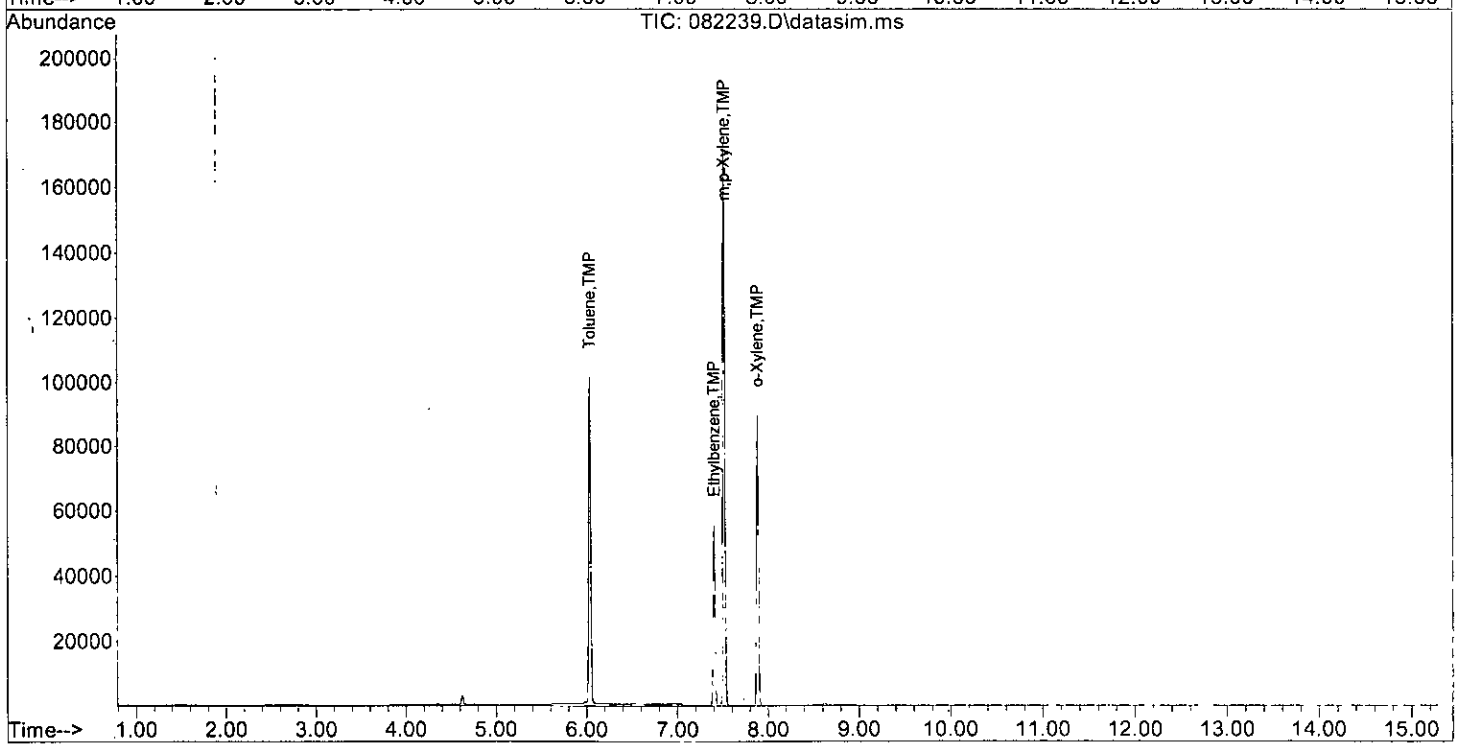
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	0.00		0	N.D.			
44) 1,3-Dichloropropane	0.00		0	N.D.			
45) Tetrachloroethene	0.00		0	N.D.			
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.			
49) Ethylbenzene	7.41	91	58164	12.007	ppb		86
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51) m,p-Xylene	7.52	106	86853	46.266	ppb		100
52) o-Xylene	7.88	106	39615	21.261	ppb		96
53) Styrene	0.00		0	N.D.	d		
54) Isopropylbenzene	8.23	105	912	0.187	ppb		93
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	964	0.173	ppb		94
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	8.80	105	1689	0.408	ppb		97
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	0.00		0	N.D.	d		
64) 4-Chlorotoluene	0.00		0	N.D.	d		
65) tert-Butylbenzene	0.00		0	N.D.	d		
66) 1,2,4-Trimethylbenzene	9.16	105	3283	0.771	ppb		94
67) sec-Butylbenzene	0.00		0	N.D.	d		
68) p-Isopropyltoluene	0.00		0	N.D.			
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	0.00		0	N.D.			
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	11.68	128	129	0.035	ppb		68
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

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

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082239.D
Acq On : 22 Aug 2022 07:26 pm
Operator : RF
Sample : 208257-03 1/200
Misc : water
ALS Vial : 34 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:02:08 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

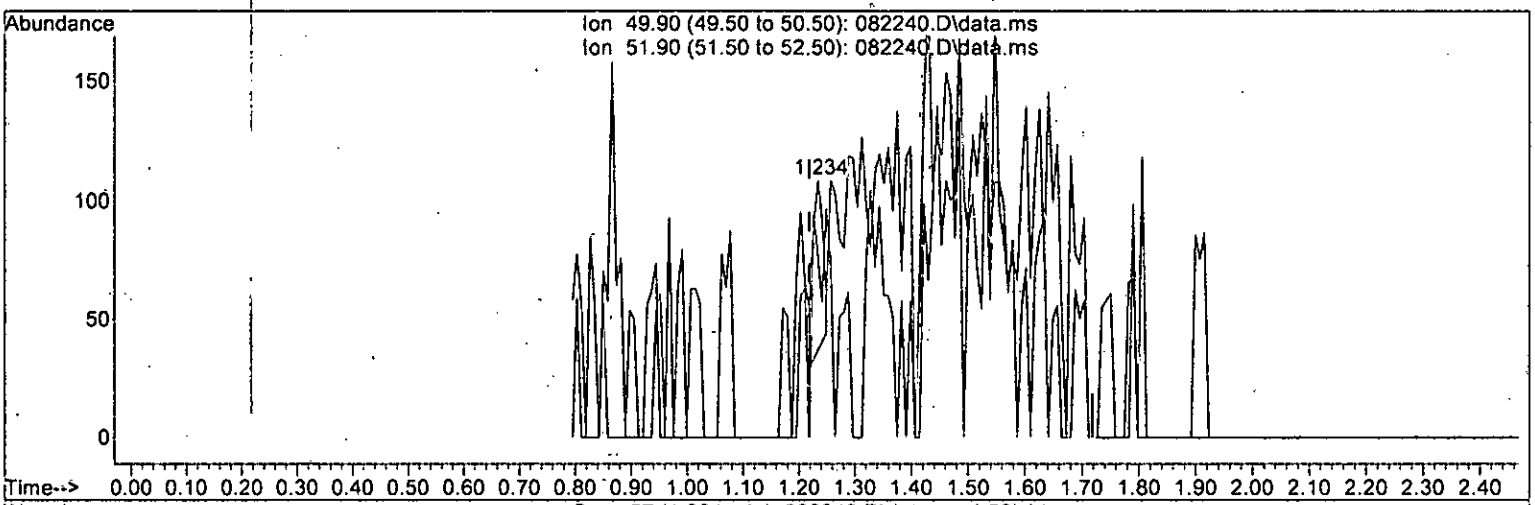


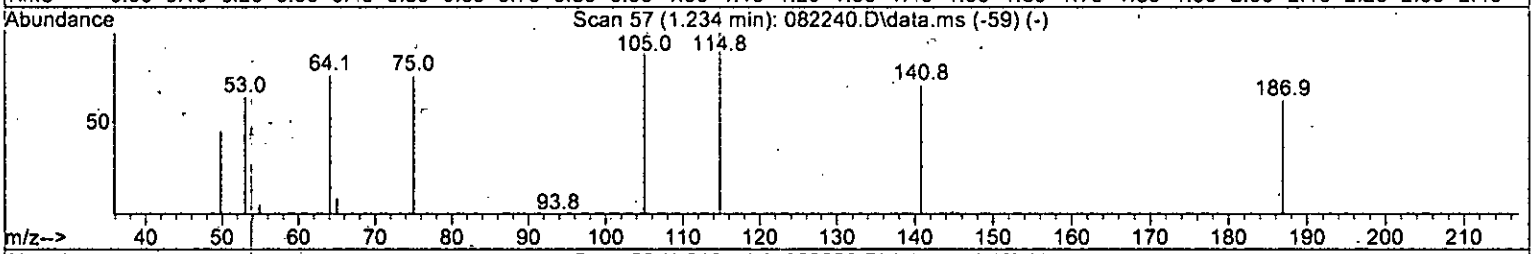


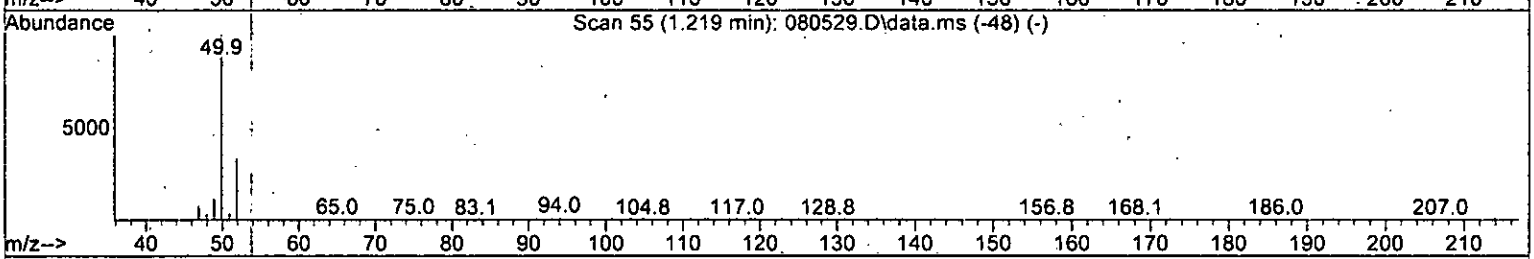
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:42 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082240.D\data.ms

(5) Chloromethane (TMP)

1.234min (+ 0.015) 0.030 ppb

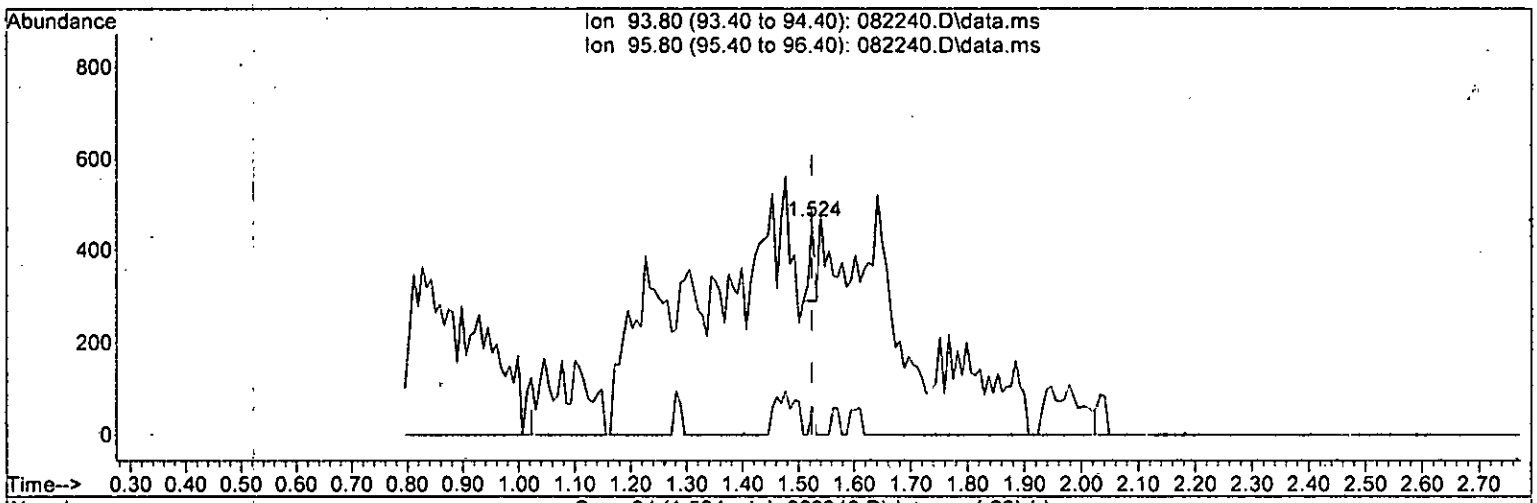
response 97

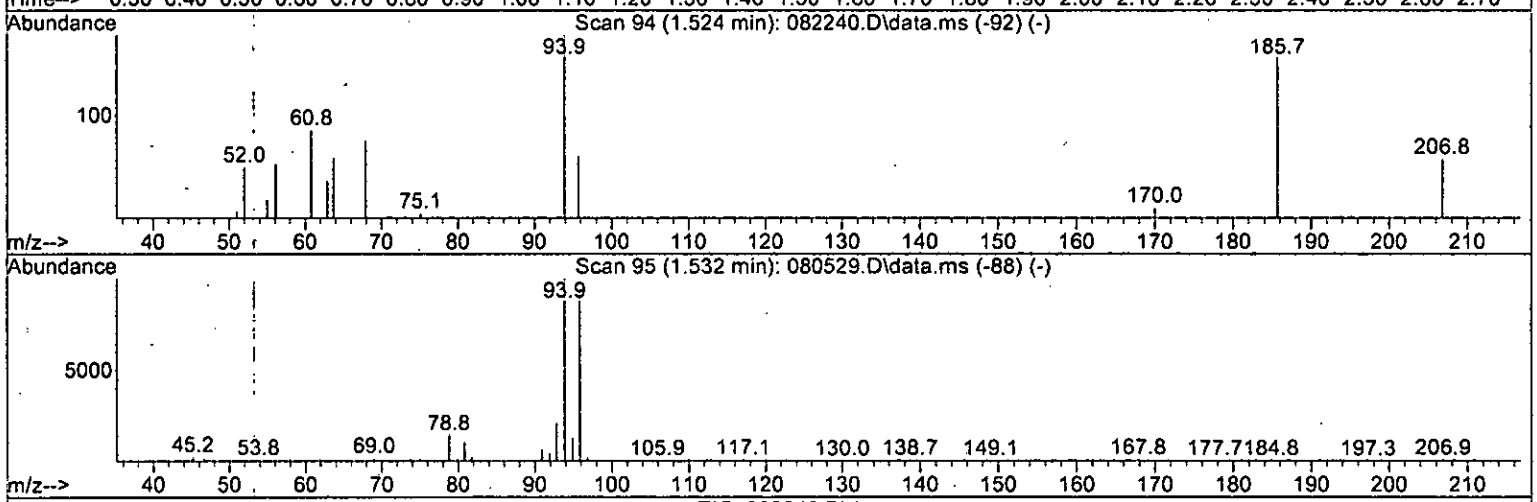
Ion	Exp%	Act%
49.90	100.00	100.00
51.90	32.30	142.59#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:42 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082240.D\data.ms

(7) Bromomethane (TMP)

1.524min (-0.000) 0.058 ppb

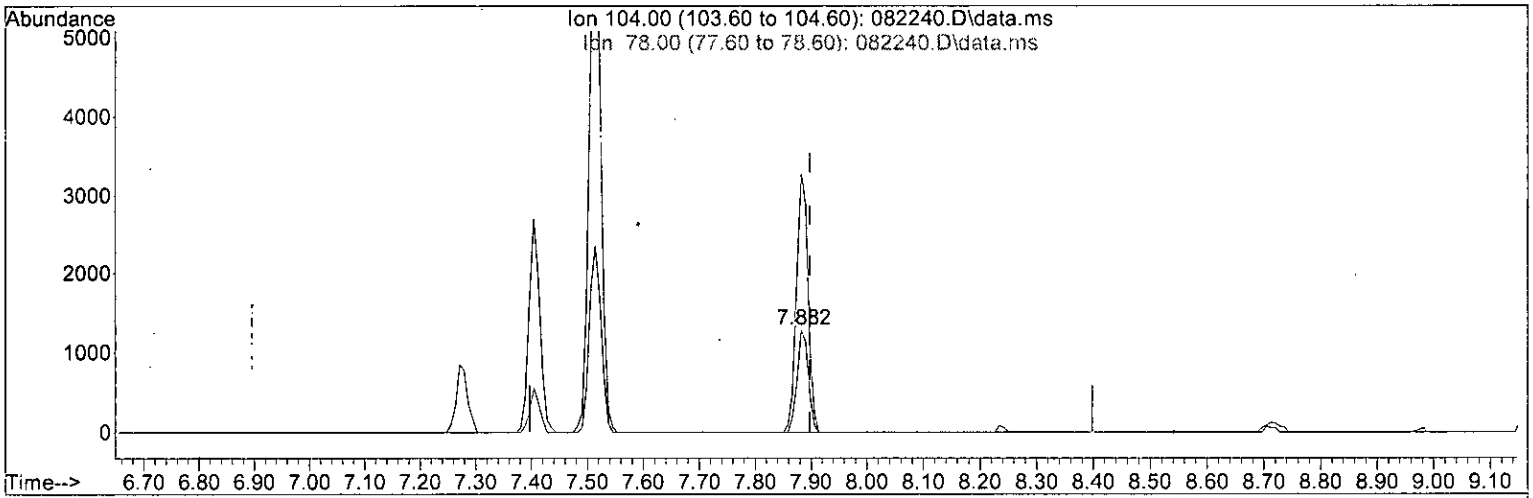
response 104

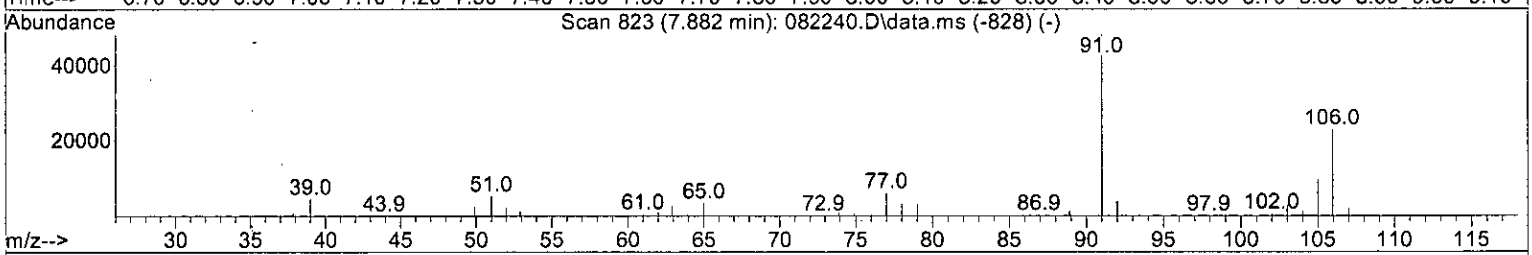
Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	36.99#
0.00	0.00	0.00
0.00	0.00	0.00

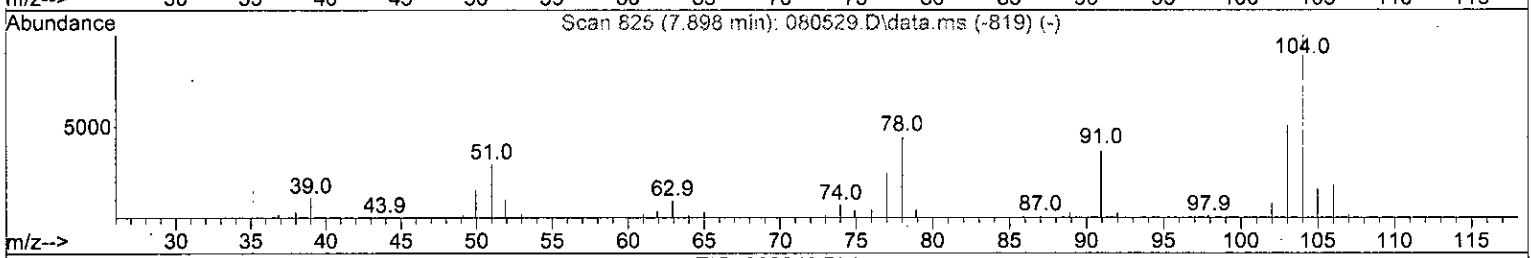
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:42 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082240.D\data.ms

(53) Styrene (TMP)

7.882min (-0.016) 0.586 ppb

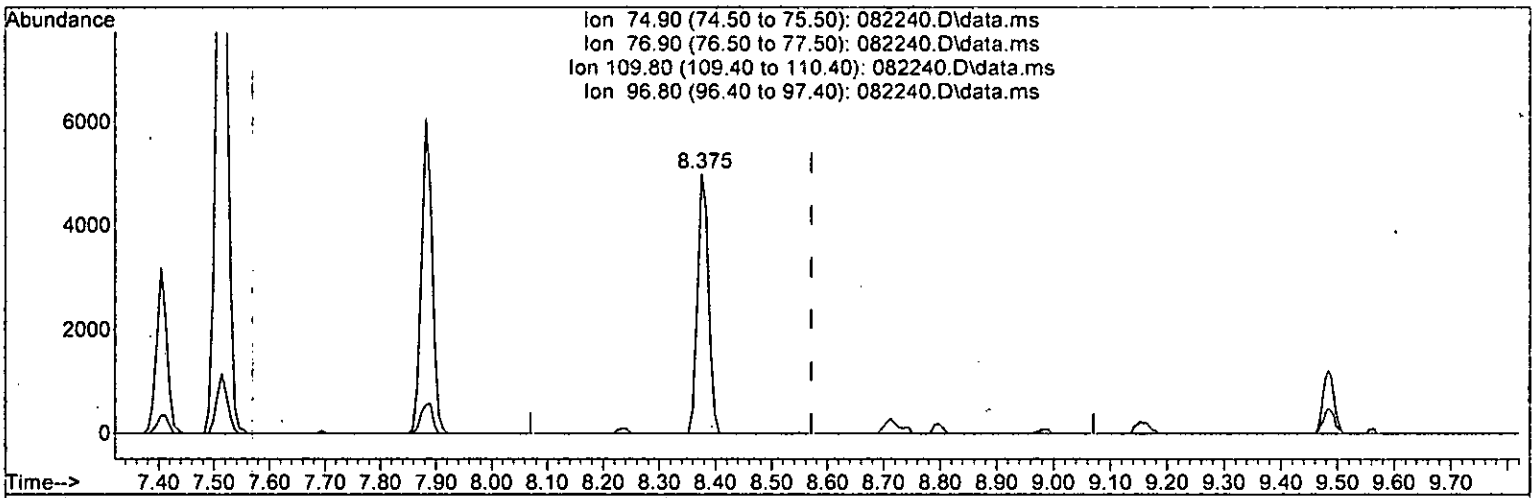
response 1762

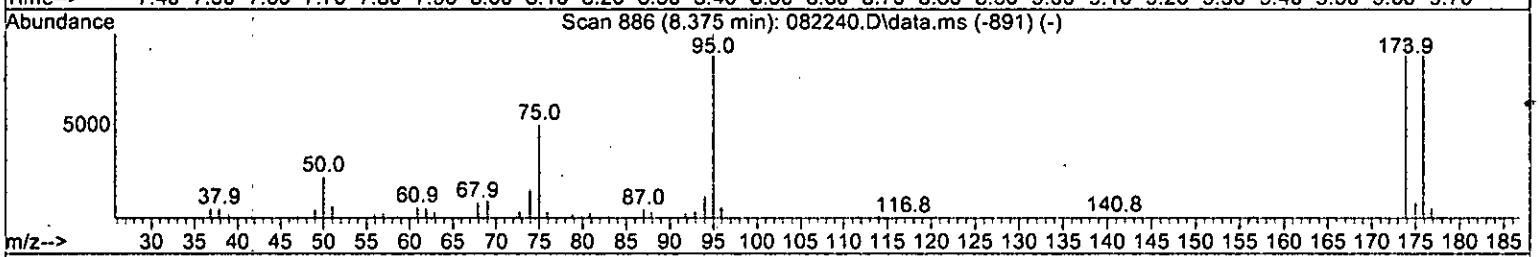
Ion	Exp%	Act%
104.00	100.00	100.00
78.00	44.50	255.49#
0.00	0.00	0.00
0.00	0.00	0.00

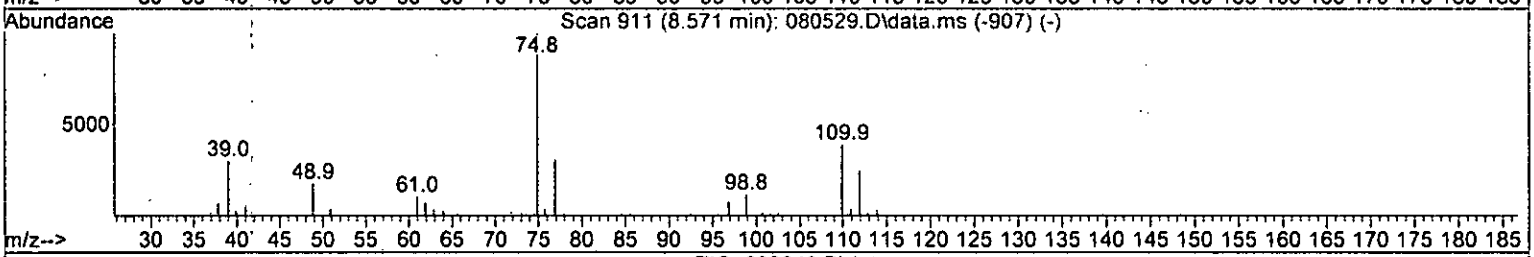
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:42 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082240.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.375min (-0.196) 8.525 ppb

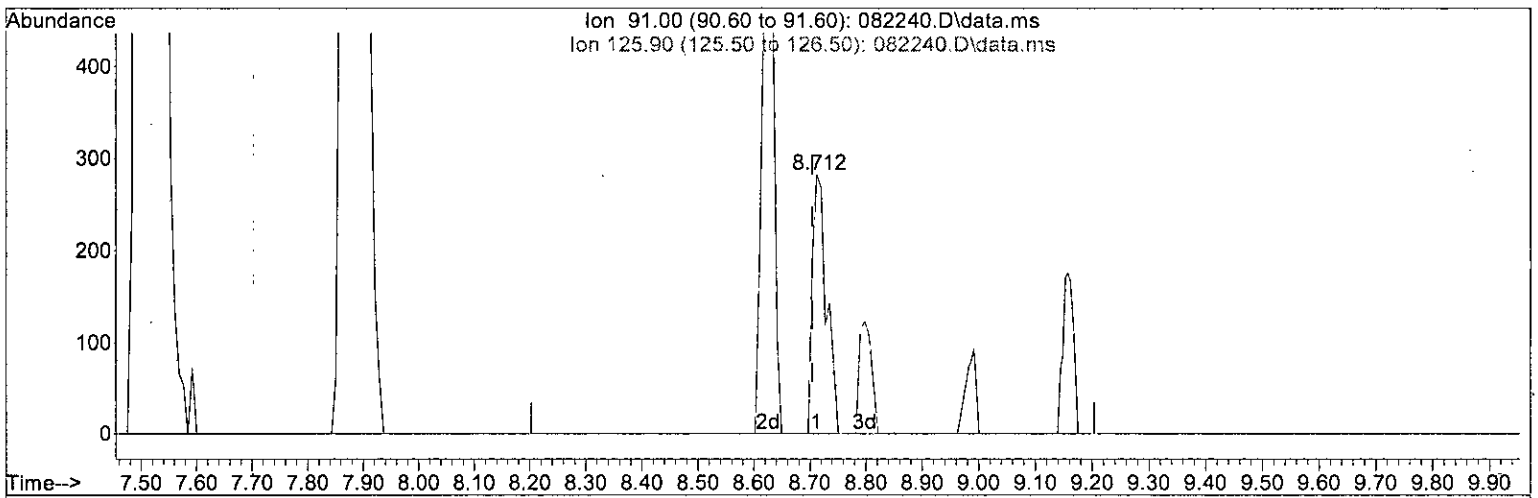
response 6725

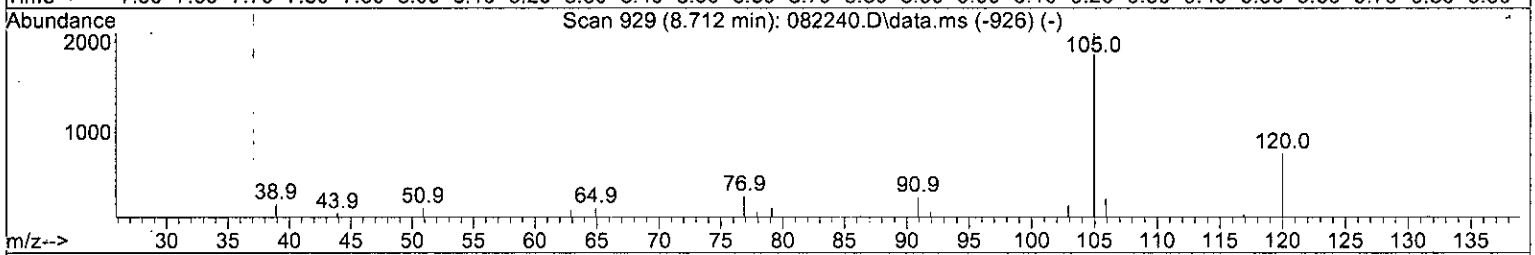
Ion	Exp%	Act%
74.90	100.00	100.00
76.90	28.10	0.00
109.80	39.20	0.00#
96.80	21.70	0.00

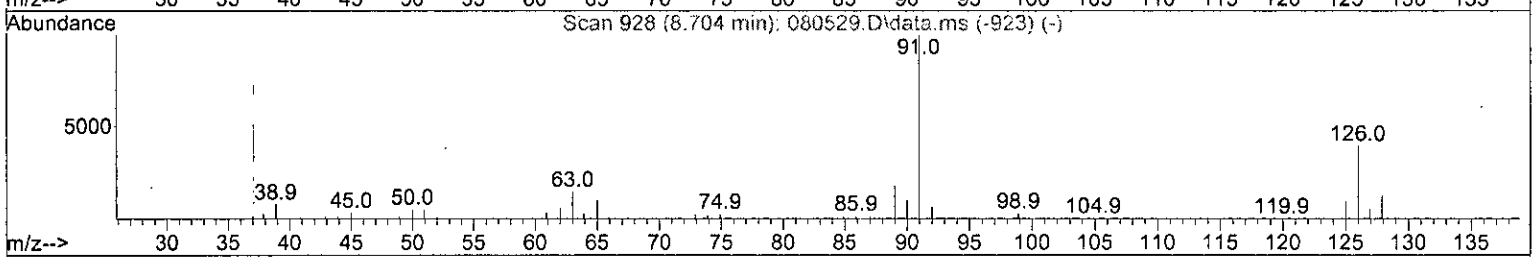
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:42 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082240.D\data.ms

(63) 2-Chlorotoluene (TMP)

8.712min (+ 0.008) 0.156 ppb

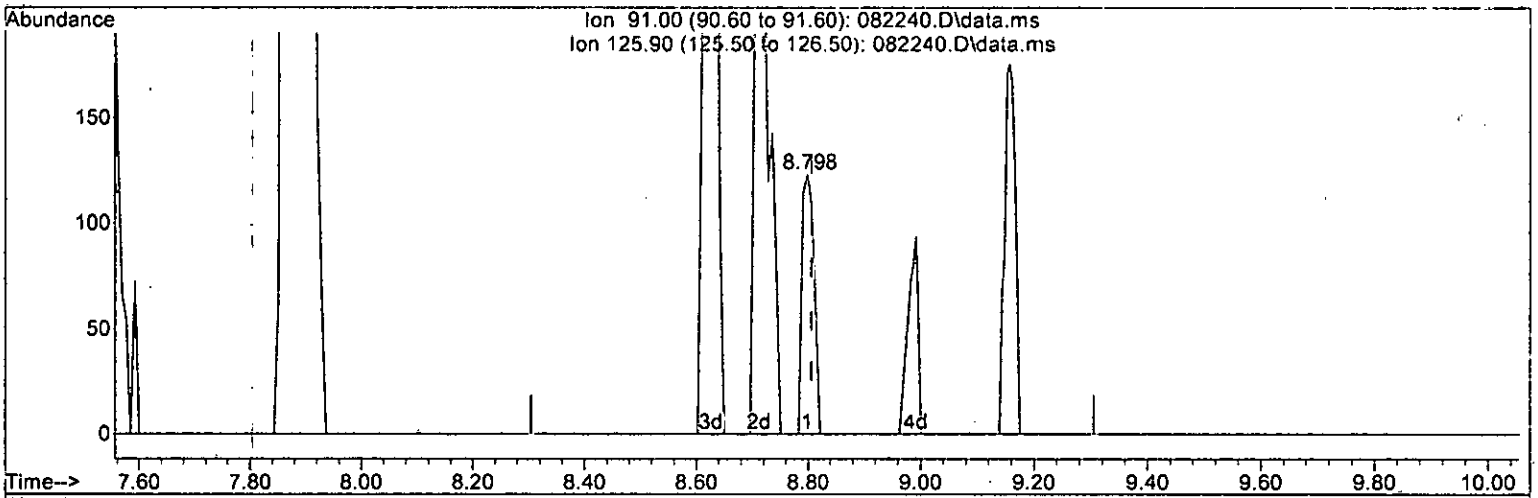
response 510

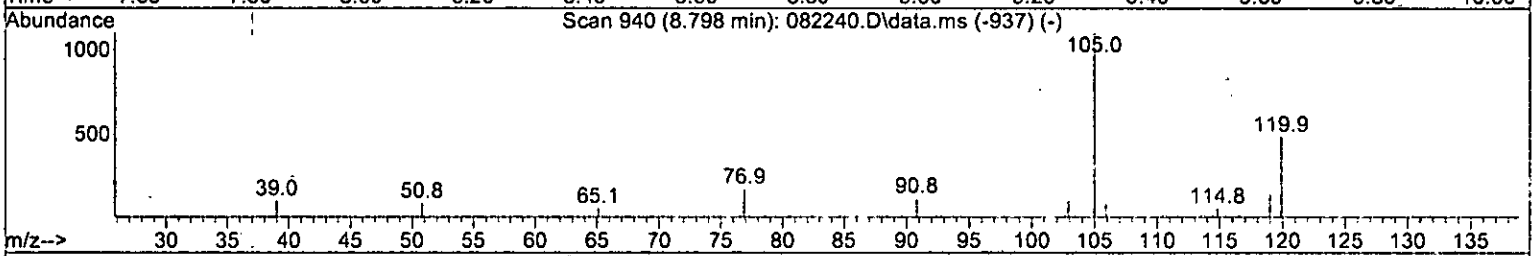
Ion	Exp%	Act%
91.00	100.00	100.00
125.90	36.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

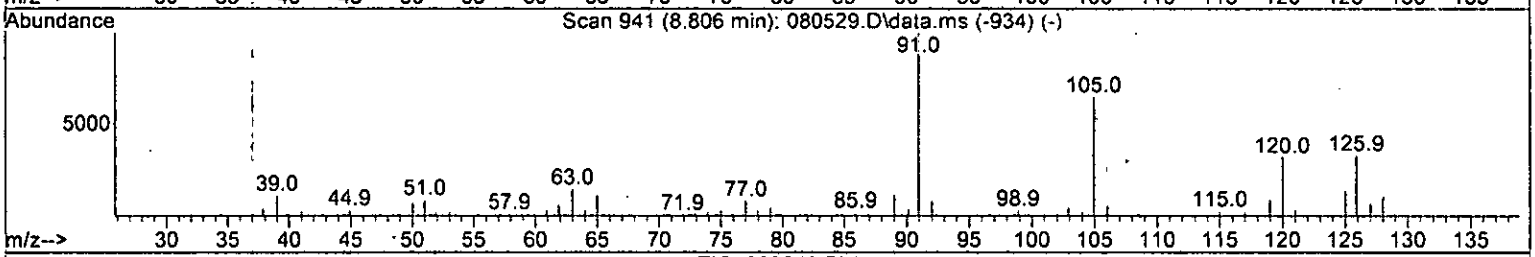
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:42 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082240.D\data.ms

(64) 4-Chlorotoluene (TMP)

8.798min (-0.008) 0.049 ppb

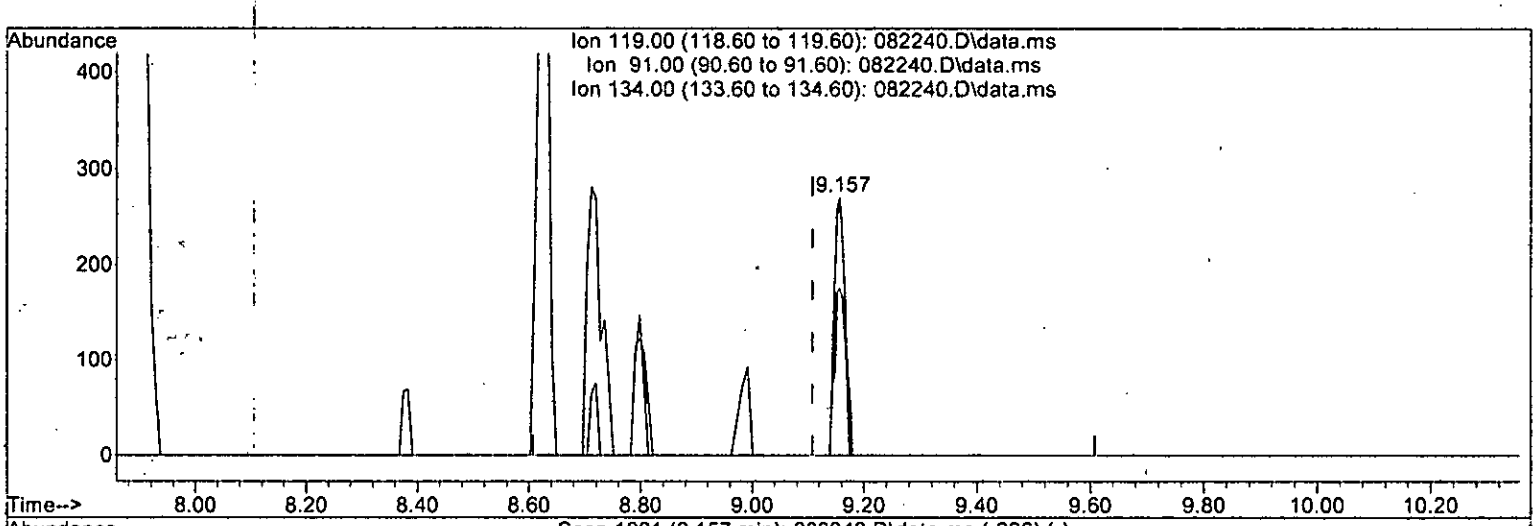
response 186

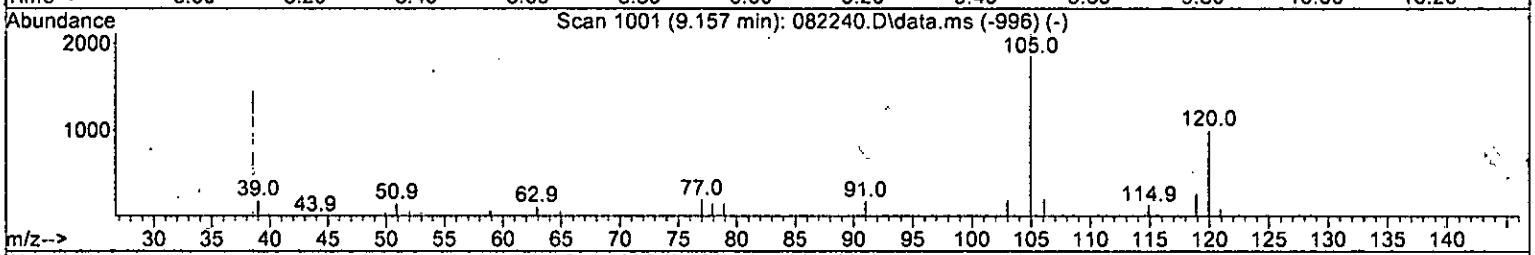
Ion	Exp%	Act%
91.00	100.00	100.00
125.90	34.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

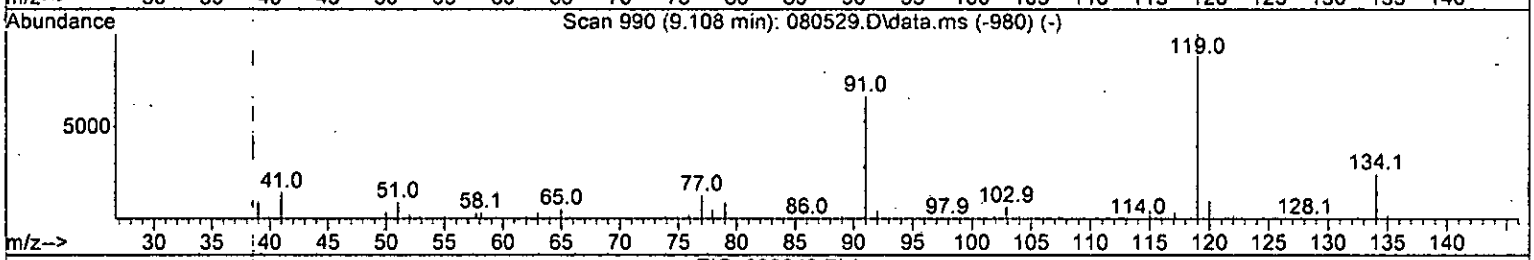
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:42 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082240.D\data.ms

(65) tert-Butylbenzene (TMP)

9.157min (+ 0.049) 0.099 ppb

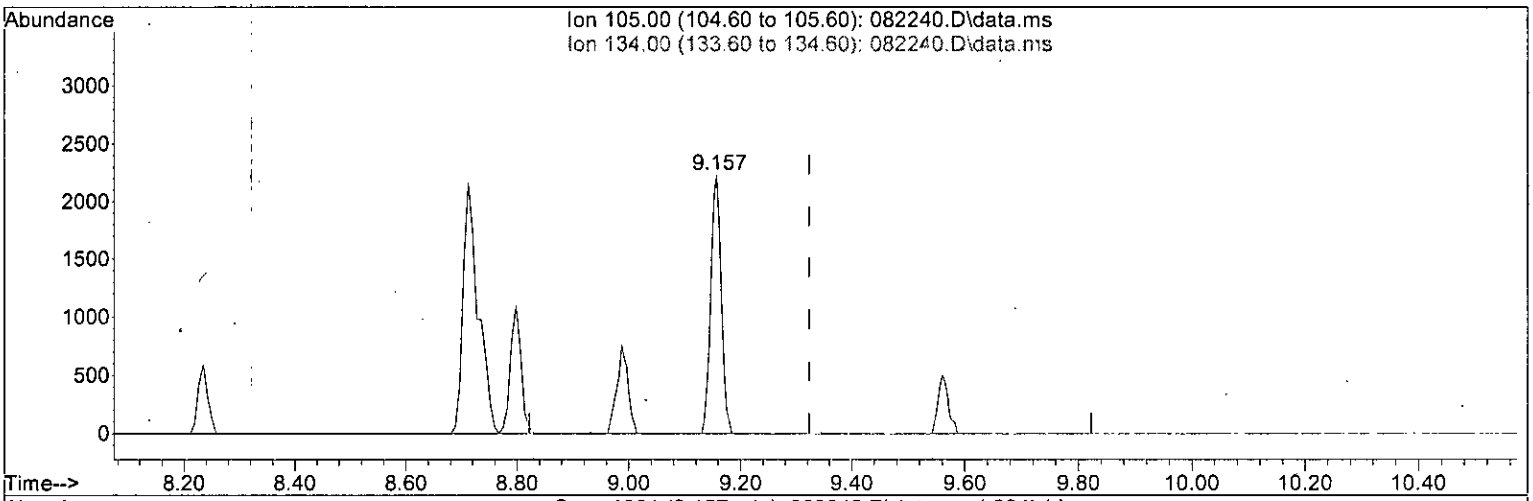
response 361

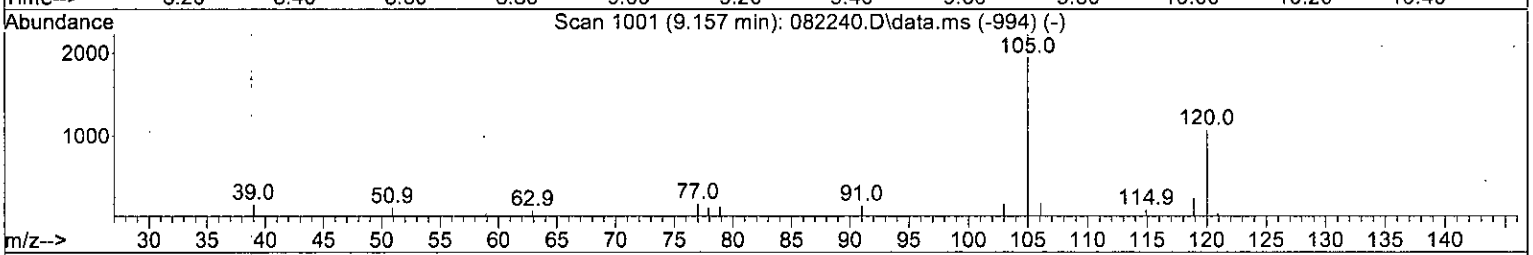
Ion	Exp%	Act%
119.00	100.00	100.00
91.00	61.70	64.94
134.00	21.60	0.00
0.00	0.00	0.00

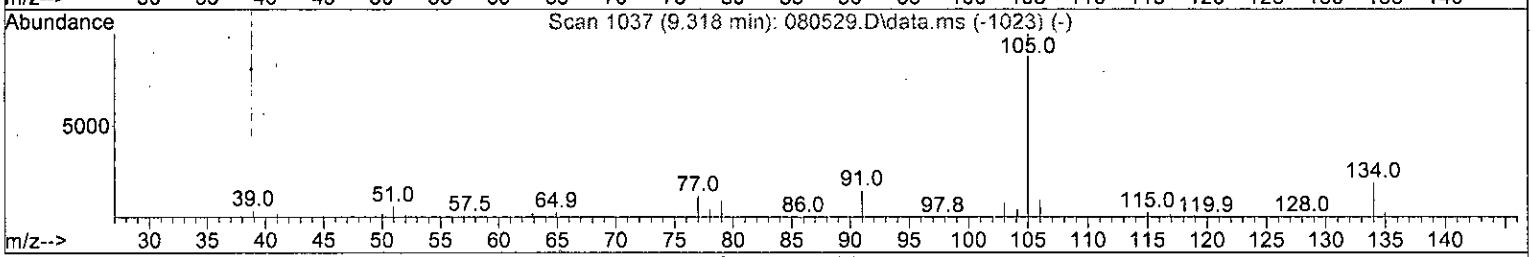
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:42 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082240.D\data.ms

(67) sec-Butylbenzene (TMP)

9.157min (-0.166) 0.542 ppb

response 2889

Ion	Exp%	Act%
105.00	100.00	100.00
134.00	19.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:04:11 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

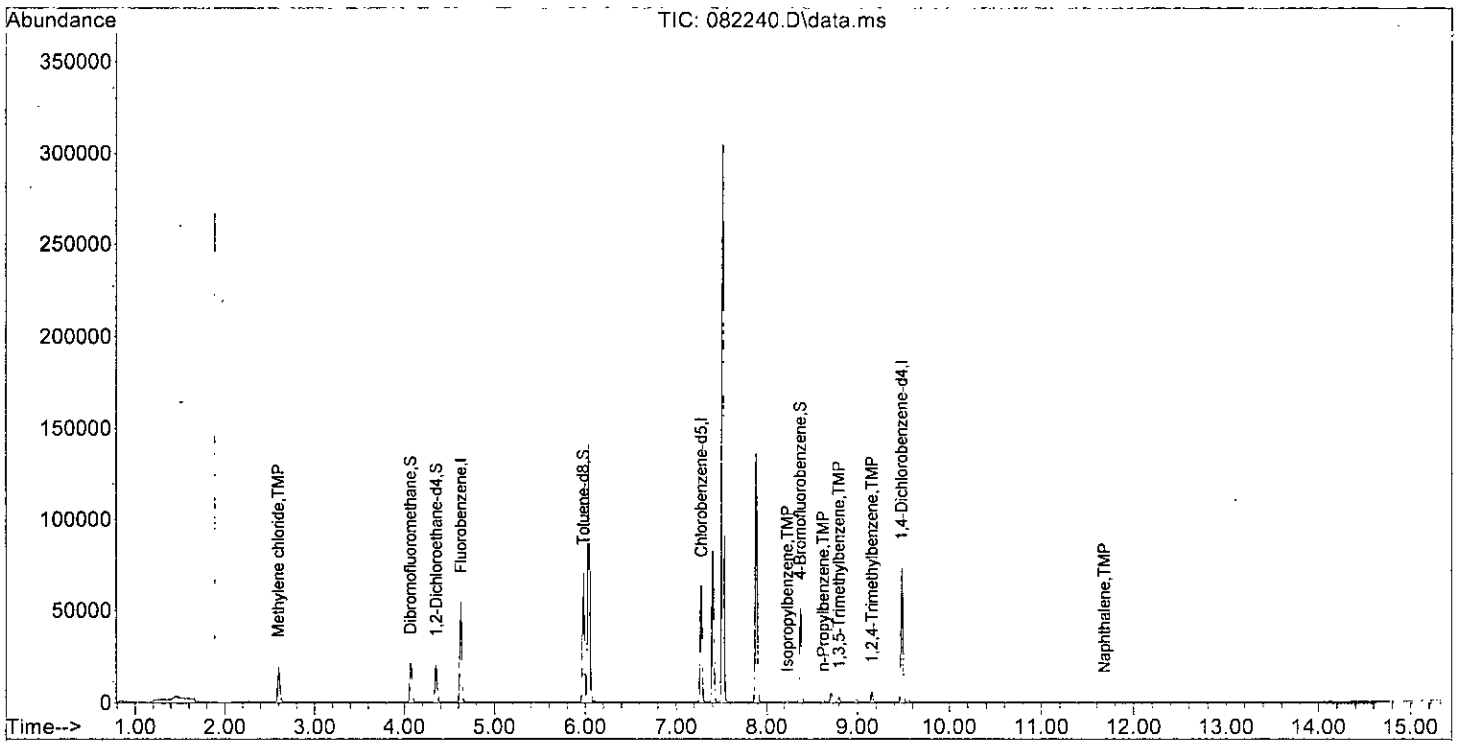
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	37903	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	30386	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	17326	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	10640	10.252	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.50%			
30) 1,2-Dichloroethane-d4	4.36	102	2182	9.709	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.10%			
35) Toluene-d8	5.98	98	37228	10.213	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 102.10%			
57) 4-Bromofluorobenzene	8.38	95	14393	10.054	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 100.50%			
Target Compounds						Qvalue
14) Methylene chloride	2.60	84	6530	1.172	ppb	97
40) Toluene	6.04	92	48586	18.741	ppb	92
49) Ethylbenzene	7.41	91	50126	10.304	ppb	86
51) m,p-Xylene	7.52	106	75957	40.297	ppb	99
52) o-Xylene	7.88	106	33920	18.130	ppb	95
54) Isopropylbenzene	8.23	105	726	0.148	ppb	91
58) n-Propylbenzene	8.63	91	934	0.169	ppb	88
60) 1,3,5-Trimethylbenzene	8.80	105	1465	0.359	ppb	99
66) 1,2,4-Trimethylbenzene	9.16	105	2889	0.687	ppb	99
75) Naphthalene	11.69	128	56	0.015	ppb	68

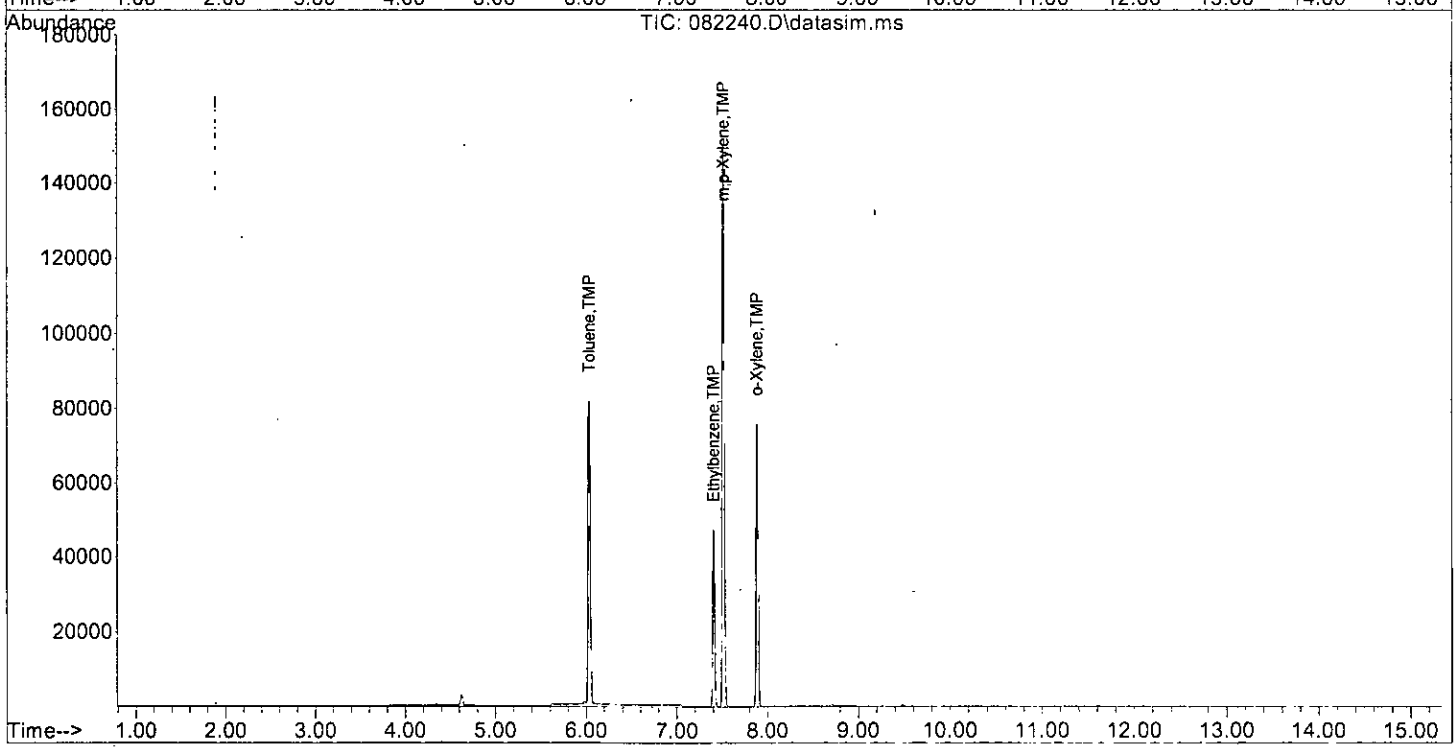
(#) = qualifier out of range (m) = manual integration (+) = signals summed

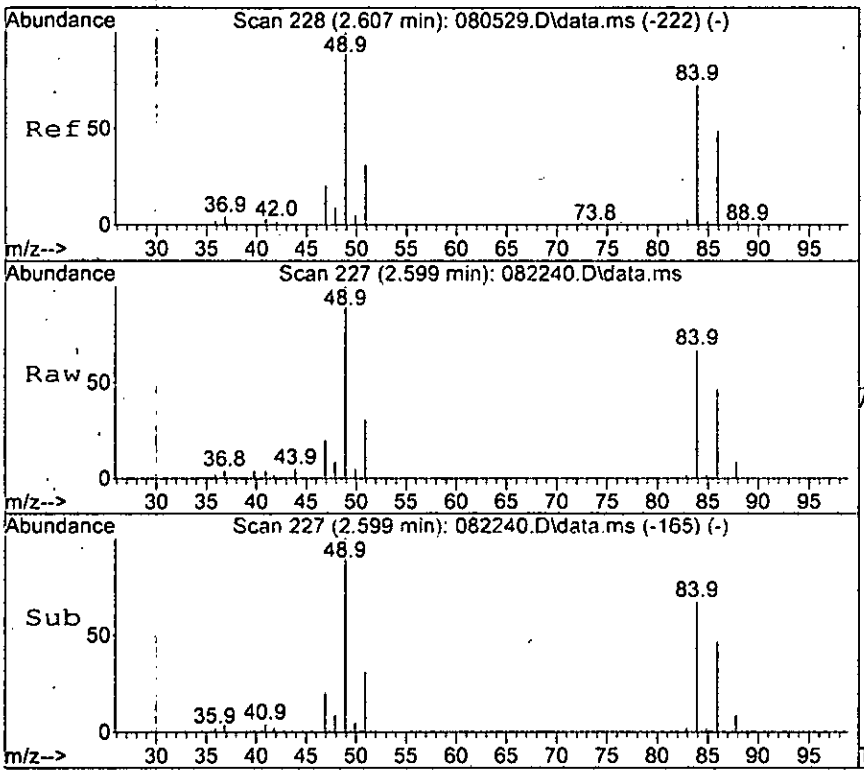
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:04:11 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



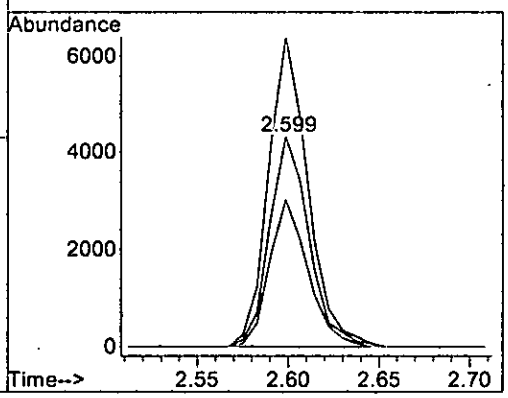


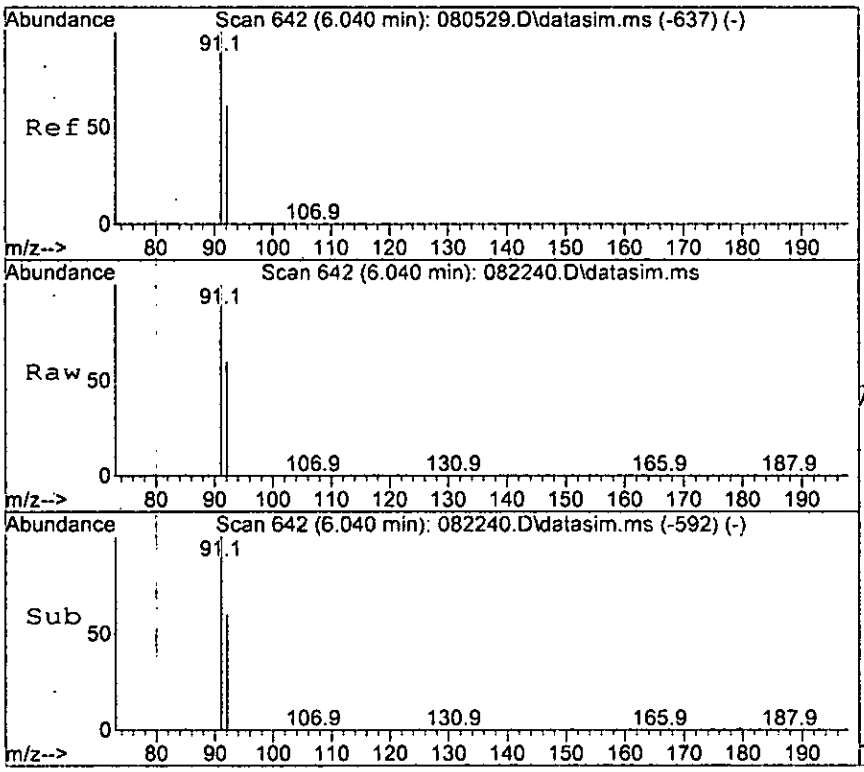


#14
Methylene chloride
Concen: 1.172 ppb
RT: 2.60 min , Scan# 227
Delta R.T. -0.000 min
Lab File: 082240.D
Acq: 22 Aug 2022 07:48 pm

Tgt Ion: 84 Resp: 6530

Ion	Ratio	Lower	Upper
84	100		
86	69.9	38.7	98.7
49	148.2	114.1	174.1

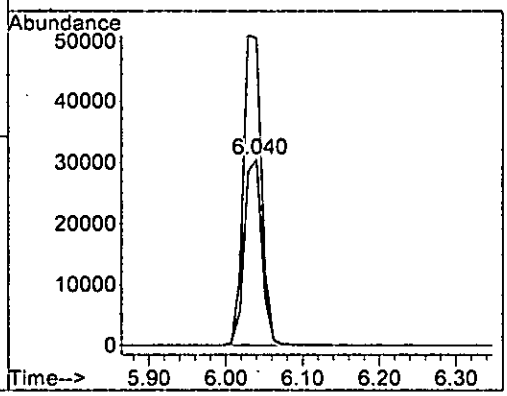


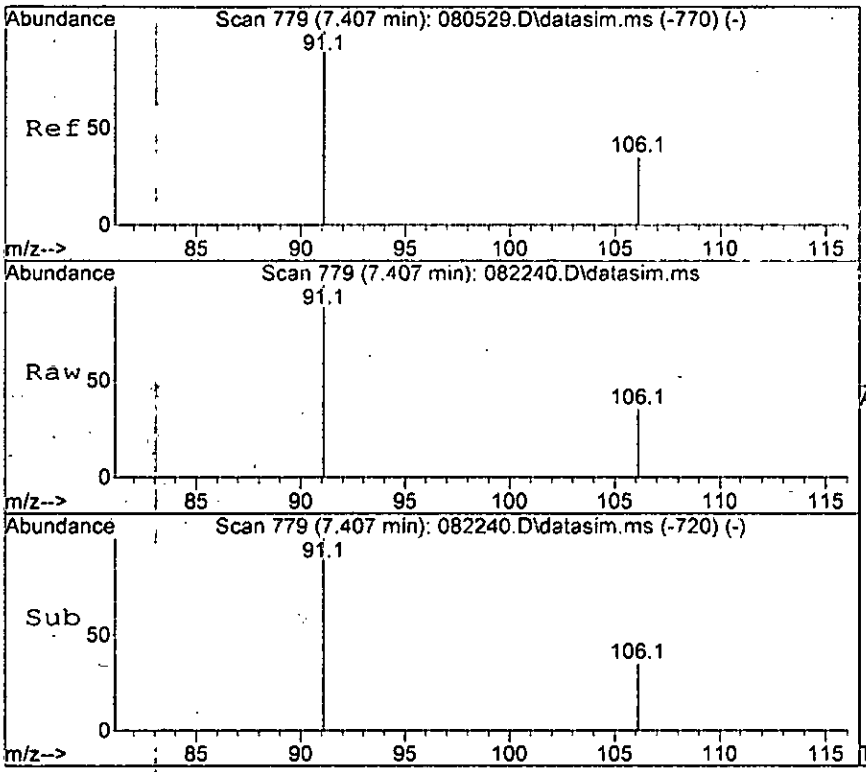


#40
Toluene
Concen: 18.741 ppb
RT: 6.04 min Scan# 642
Delta R.T. 0.011 min
Lab File: 082240.D
Acq: 22 Aug 2022 07:48 pm

Tgt Ion: 92 Resp: 48586

Ion	Ratio	Lower	Upper
92	100		
91	165.8	147.4	207.4

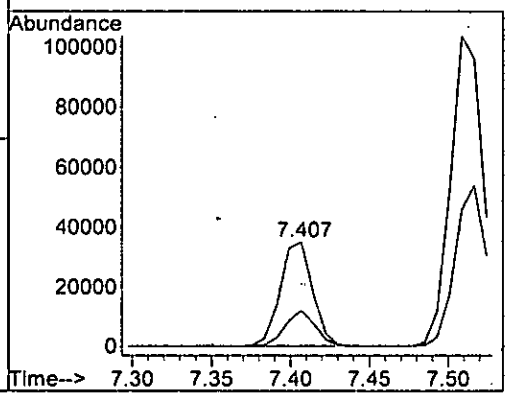


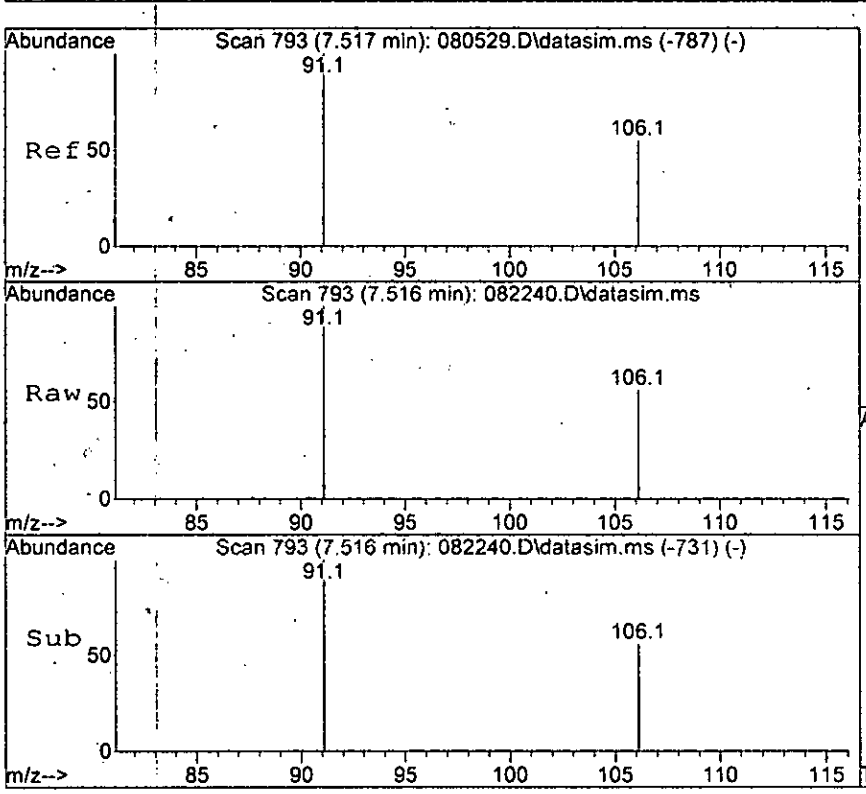


#49
Ethylbenzene
Concen: 10.304 ppb
RT: 7.41 min Scan# 779
Delta R.T. 0.008 min
Lab File: 082240.D
Acq: 22 Aug 2022 07:48 pm

Tgt Ion: 91 Resp: 50126

Ion	Ratio	Lower	Upper
91	100		
106	34.4	0.0	57.3

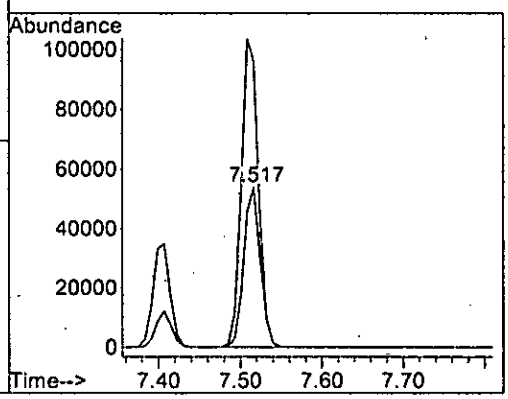


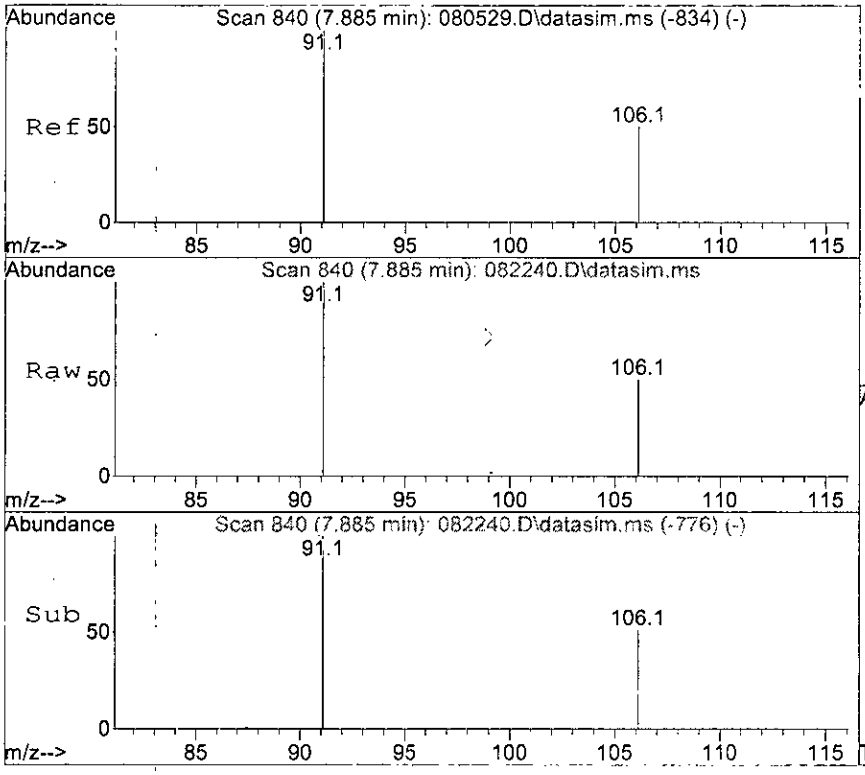


#51
m,p-Xylene
Concen: 40.297 ppb
RT: 7.52 min Scan# 793
Delta R.T. -0.001 min
Lab File: 082240.D
Acq: 22 Aug 2022 07:48 pm

Tgt Ion:106 Resp: 75957

Ion	Ratio	Lower	Upper
106	100		
91	177.6	148.7	208.7

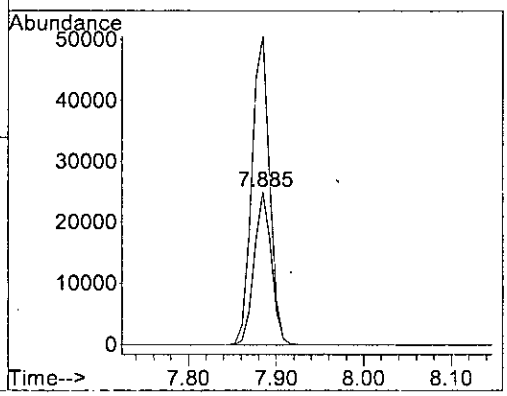


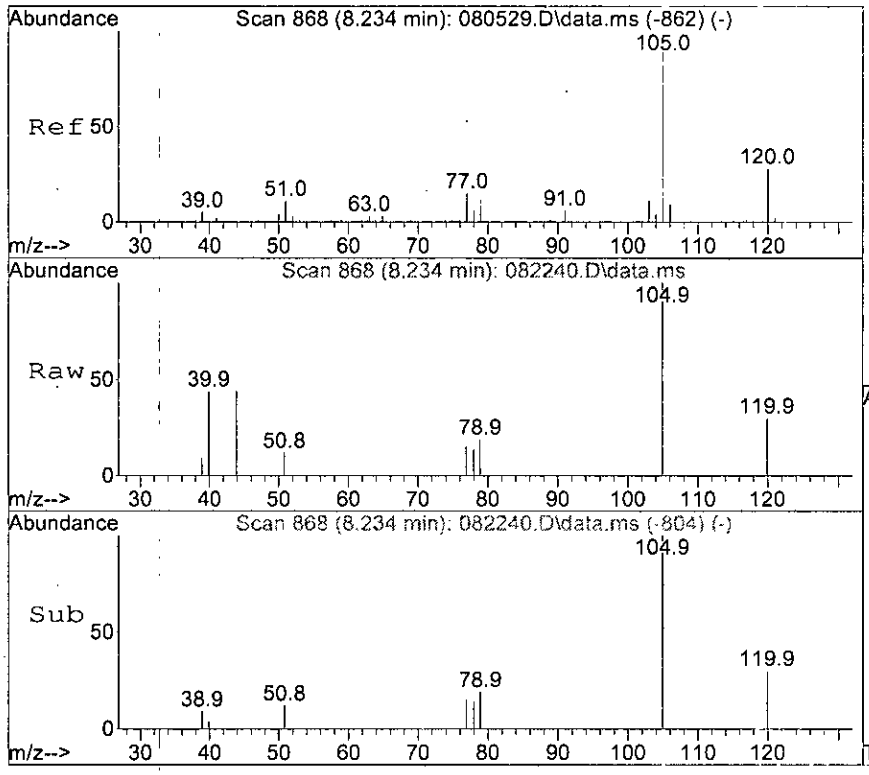


#52
o-Xylene
Concen: 18.130 ppb
RT: 7.88 min Scan# 840
Delta R.T. -0.000 min
Lab File: 082240.D
Acq: 22 Aug 2022 07:48 pm

Tgt Ion:106 Resp: 33920

Ion	Ratio	Lower	Upper
106	100		
91	201.8	164.0	224.0

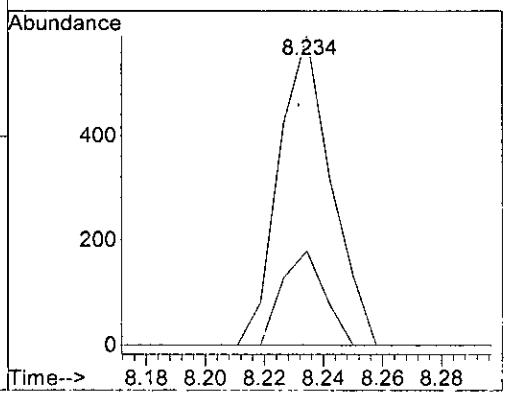


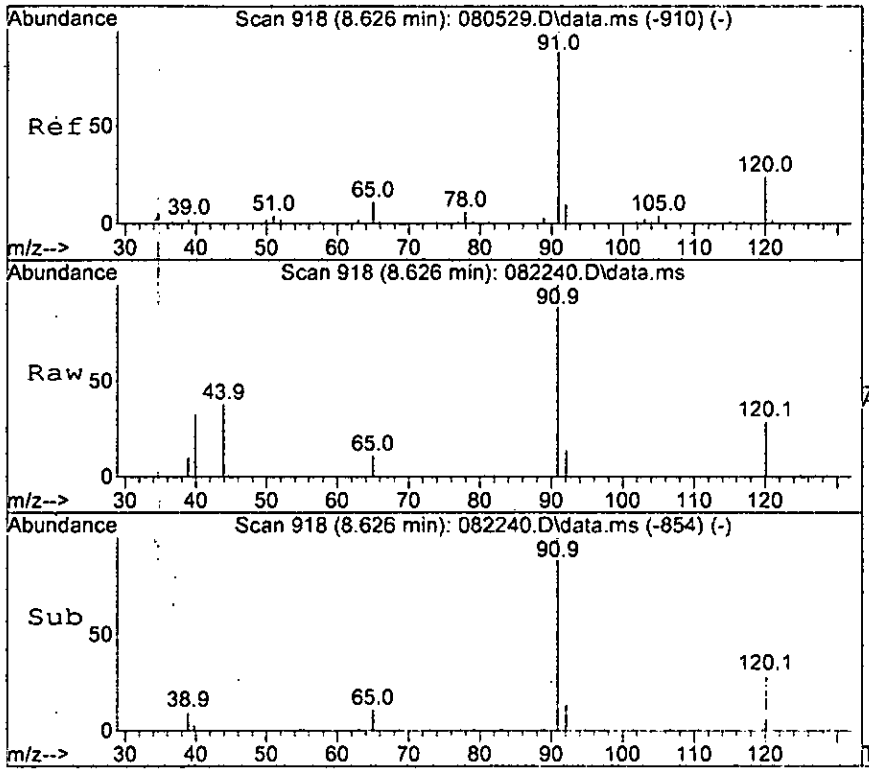


#54
Isopropylbenzene
Concen: 0.148 ppb
RT: 8.23 min Scan# 868
Delta R.T. -0.001 min
Lab File: 082240.D
Acq: 22 Aug 2022 07:48 pm

Tgt Ion:105 Resp: 726

Ion	Ratio	Lower	Upper
105	100		
120	30.2	0.0	55.6

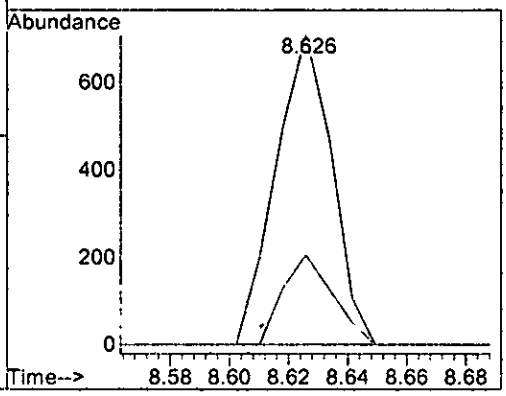


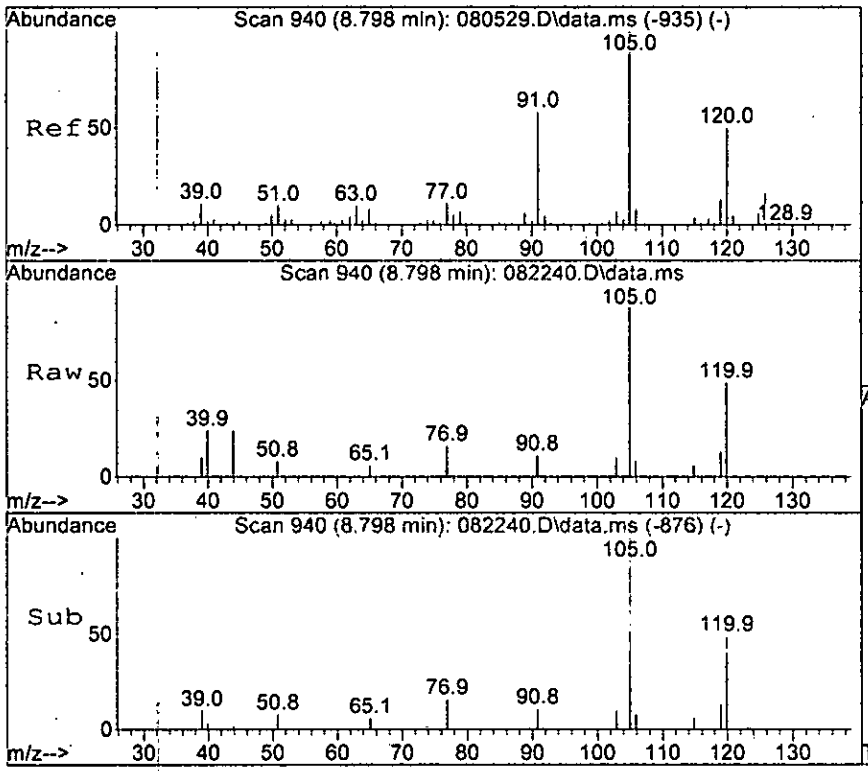


#58
n-Propylbenzene
Concen: 0.169 ppb
RT: 8.63 min Scan# 918
Delta R.T. -0.000 min
Lab File: 082240.D
Acq: 22 Aug 2022 07:48 pm

Tgt Ion: 91 Resp: 934

Ion	Ratio	Lower	Upper
91	100		
120	29.0	0.0	53.2

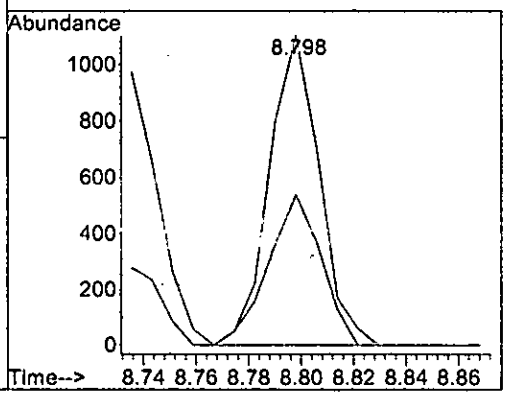


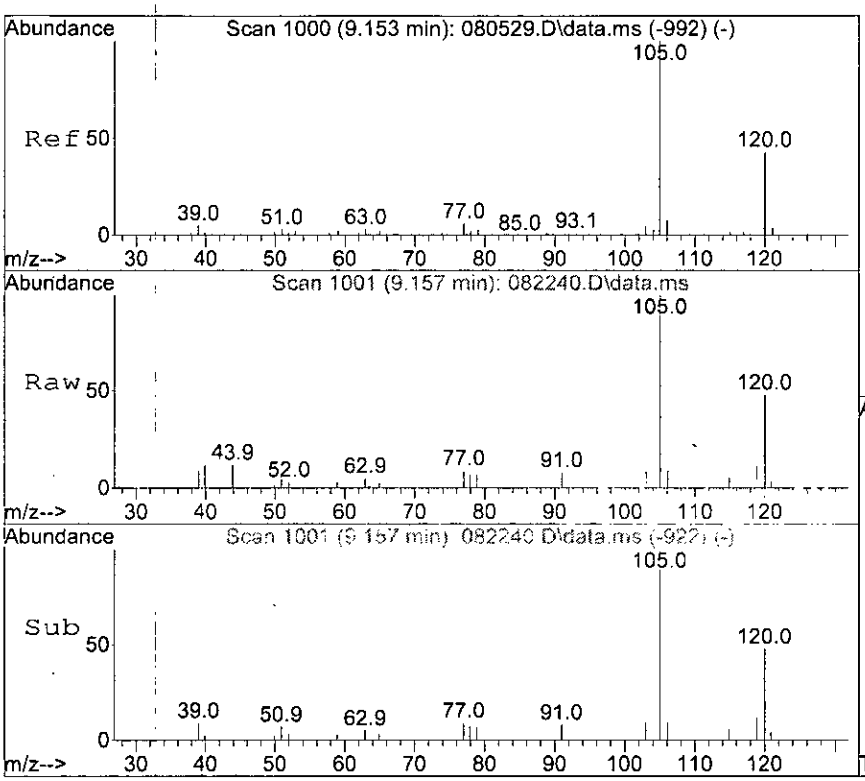


#60
1,3,5-Trimethylbenzene
Concen: 0.359 ppb
RT: 8.80 min Scan# 940
Delta R.T. 0.000 min
Lab File: 082240.D
Acq: 22 Aug 2022 07:48 pm

Tgt Ion:105 Resp: 1465

Ion	Ratio	Lower	Upper
105	100		
120	48.9	18.4	78.4

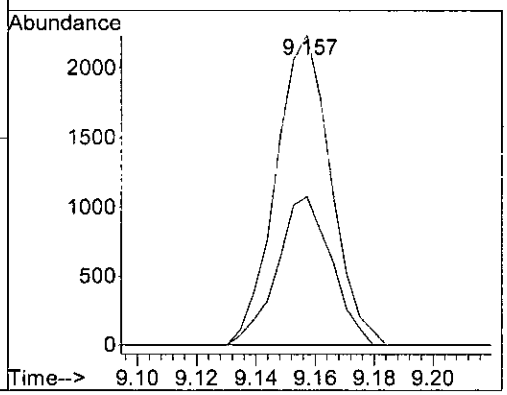


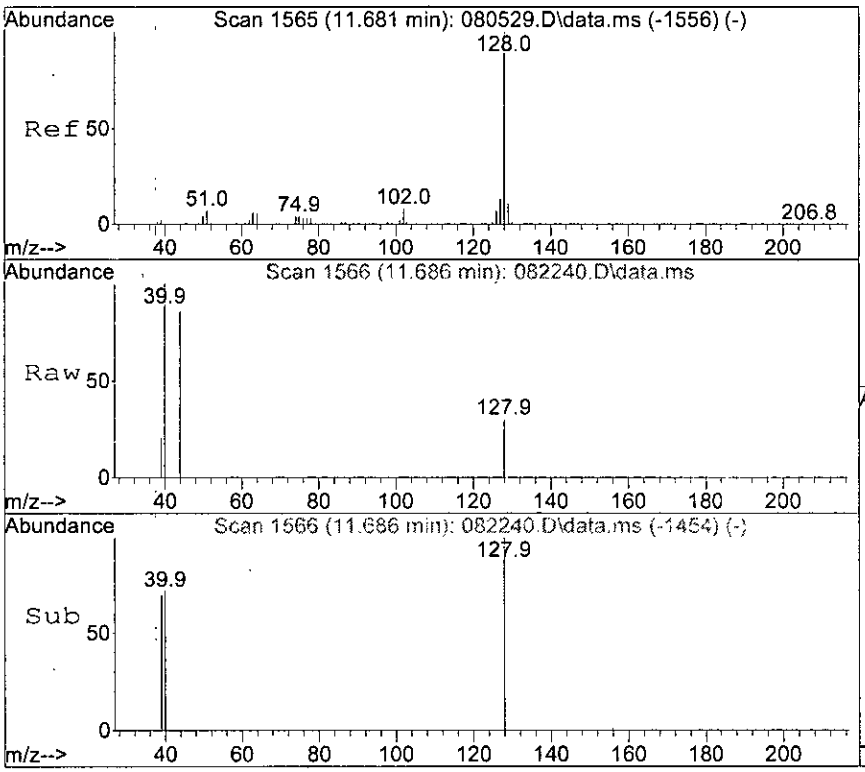


#66
1,2,4-Trimethylbenzene
Concen: 0.687 ppb
RT: 9.16 min Scan# 1001
Delta R.T. 0.000 min
Lab File: 082240.D
Acq: 22 Aug 2022 07:48 pm

Tgt Ion:105 Resp: 2889

Ion	Ratio	Lower	Upper
105	100		
120	48.3	17.8	77.8

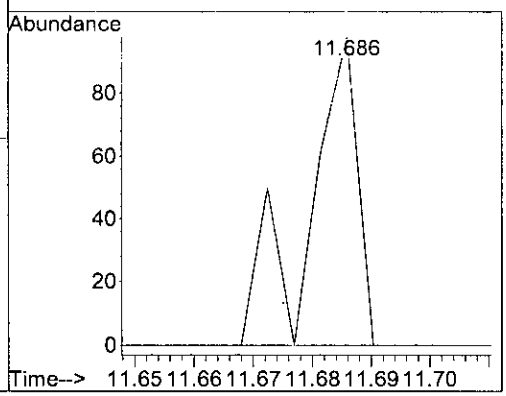




#75
Naphthalene
Concen: 0.015 ppb
RT: 11.69 min Scan# 1566
Delta R.T. -0.000 min
Lab File: 082240.D
Acq: 22 Aug 2022 07:48 pm

Tgt Ion:128 Resp: 56

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.6
127	0.0	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:04:11 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	37903	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	30386	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	17326	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	10640	10.252	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.50%			
30) 1,2-Dichloroethane-d4	4.36	102	2182	9.709	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.10%			
35) Toluene-d8	5.98	98	37228	10.213	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 102.10%			
57) 4-Bromofluorobenzene	8.38	95	14393	10.054	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 100.50%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.60	84	6530	1.172	ppb	97
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	6.04	92	48586	18.741	ppb	92
41) trans-1,3-Dichloropropene	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

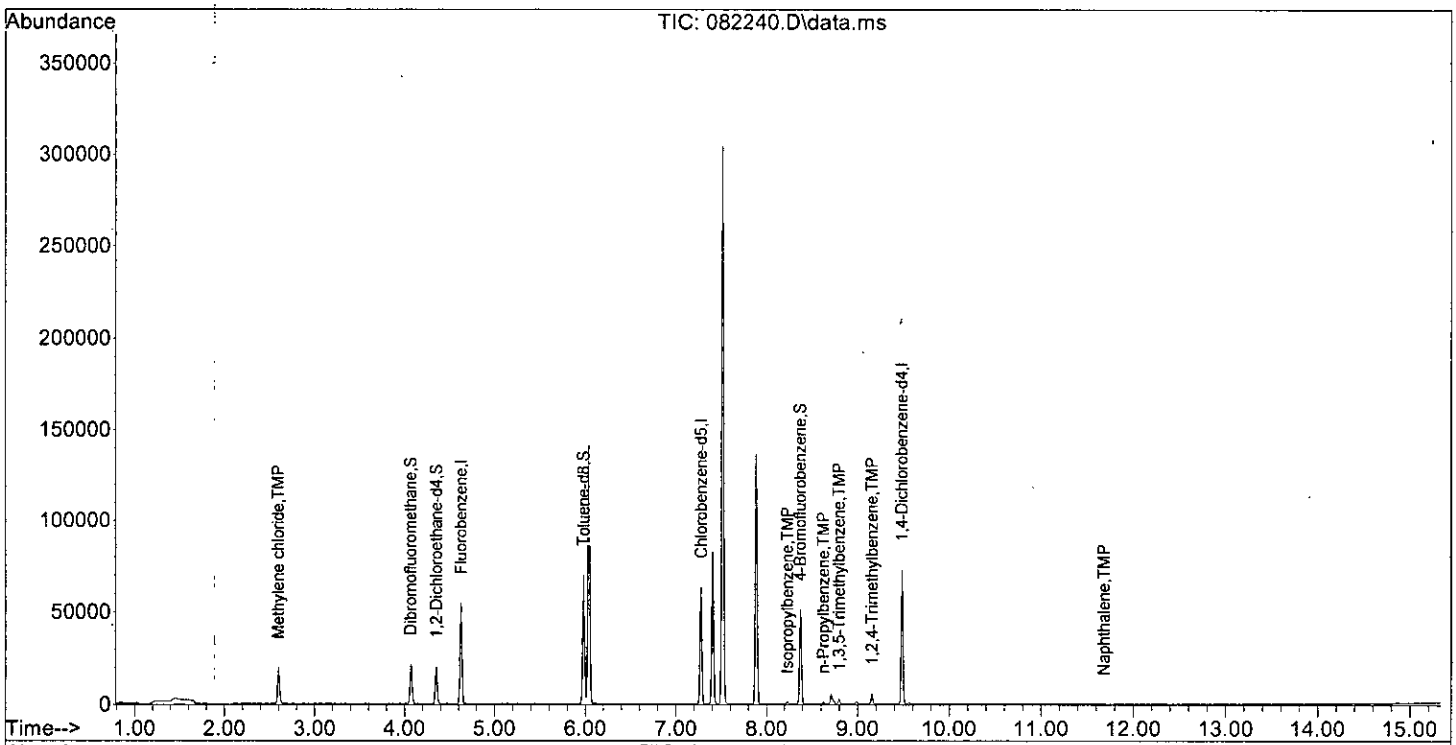
Quant Time: Aug 23 10:04:11 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

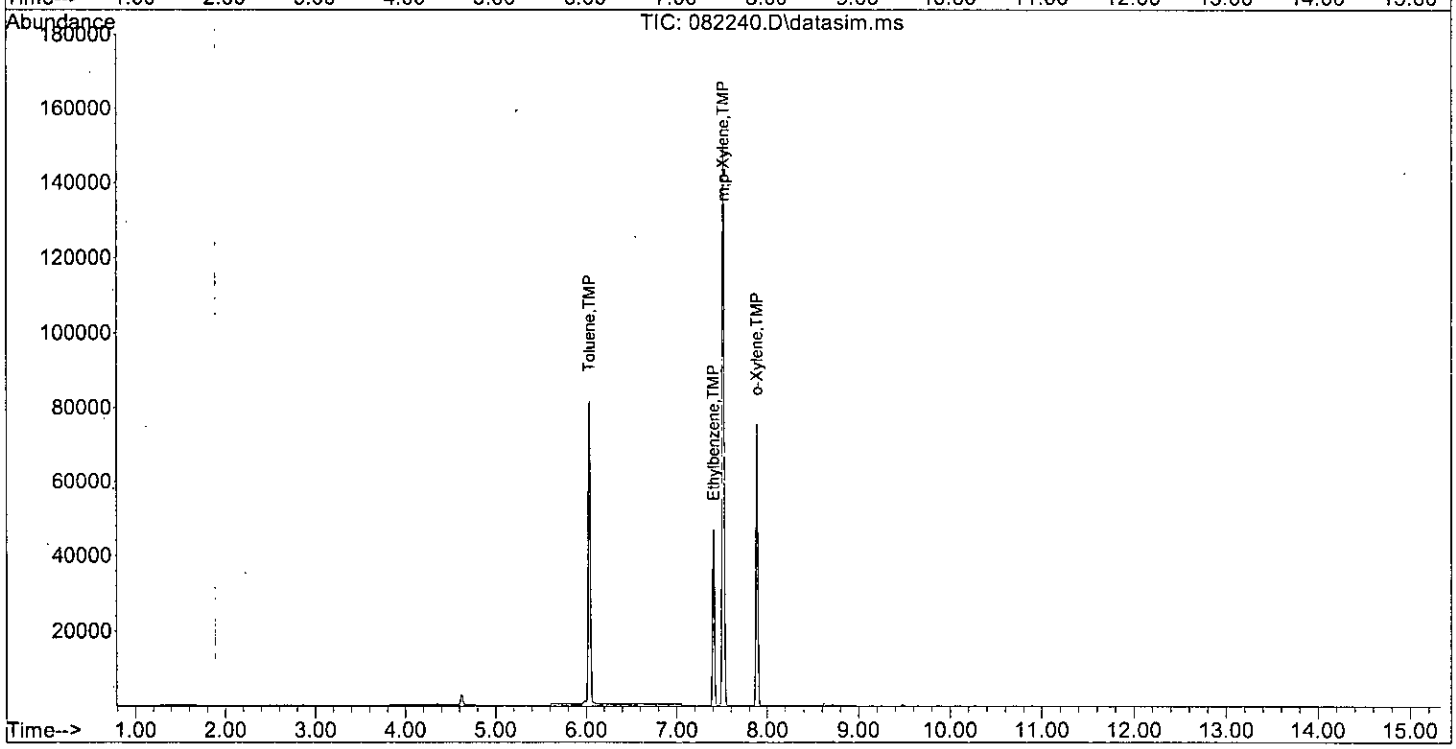
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	0.00		0	N.D.			
44) 1,3-Dichloropropane	0.00		0	N.D.			
45) Tetrachloroethene	0.00		0	N.D.			
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.			
49) Ethylbenzene	7.41	91	50126	10.304	ppb		86
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51) m,p-Xylene	7.52	106	75957	40.297	ppb		99
52) o-Xylene	7.88	106	33920	18.130	ppb		95
53) Styrene	0.00		0	N.D.	d		
54) Isopropylbenzene	8.23	105	726	0.148	ppb		91
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	934	0.169	ppb		88
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	8.80	105	1465	0.359	ppb		99
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	0.00		0	N.D.	d		
64) 4-Chlorotoluene	0.00		0	N.D.	d		
65) tert-Butylbenzene	0.00		0	N.D.	d		
66) 1,2,4-Trimethylbenzene	9.16	105	2889	0.687	ppb		99
67) sec-Butylbenzene	0.00		0	N.D.	d		
68) p-Isopropyltoluene	0.00		0	N.D.			
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	0.00		0	N.D.			
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	11.69	128	56	0.015	ppb		68
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

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

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082240.D
Acq On : 22 Aug 2022 07:48 pm
Operator : RF
Sample : 208257-04 1/200
Misc : water
ALS Vial : 35 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:04:11 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

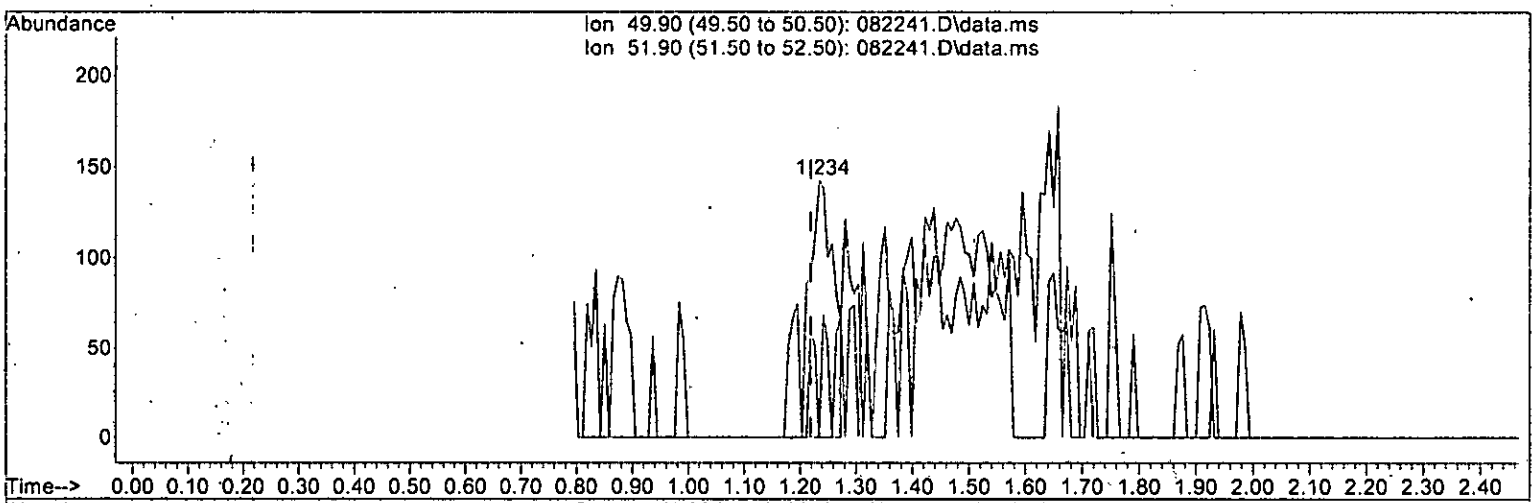


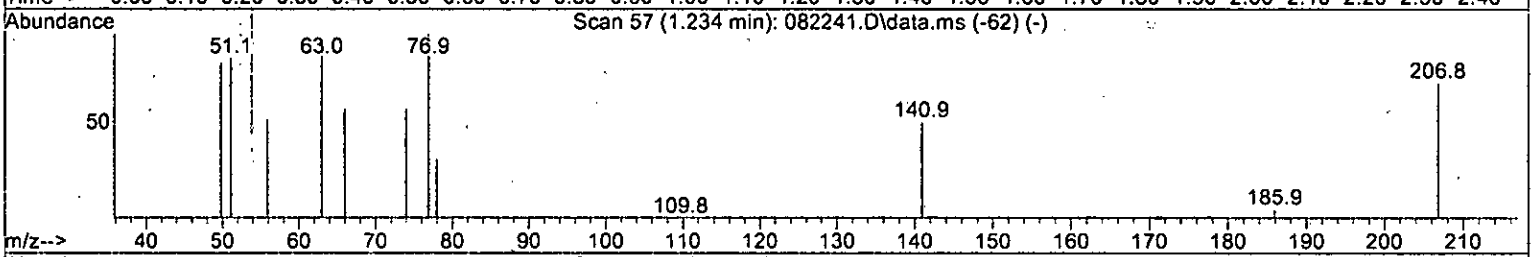


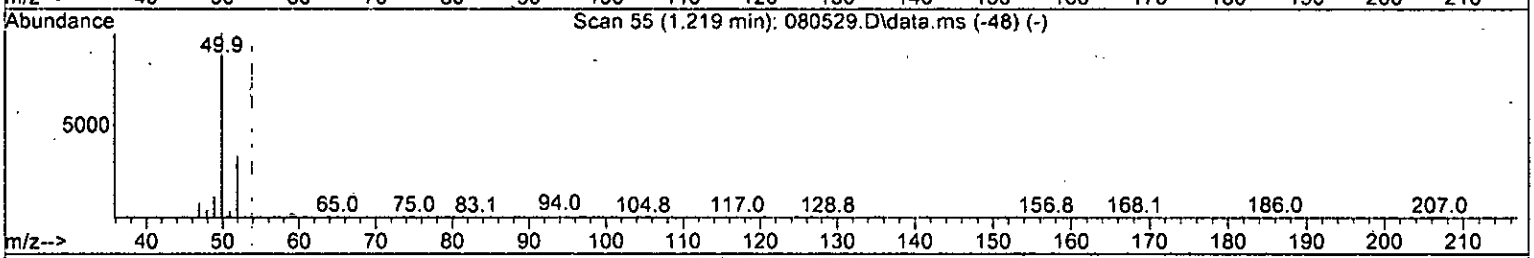
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082241.D\data.ms

(5) Chloromethane (TMP)

1.234min (+ 0.015) 0.136 ppb

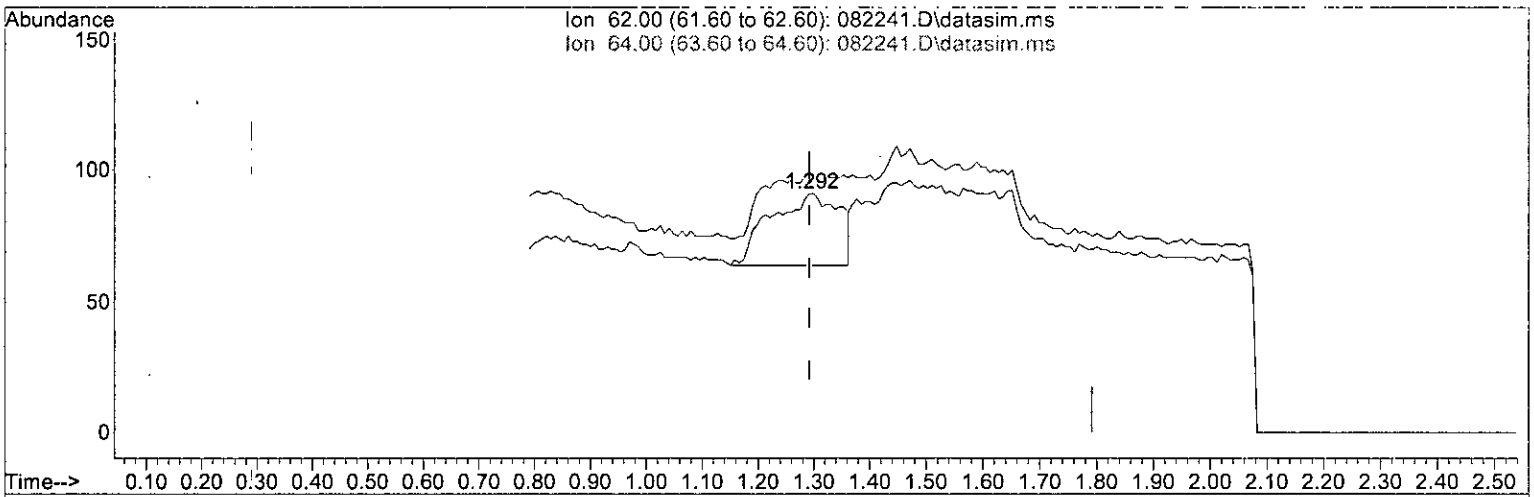
response 433

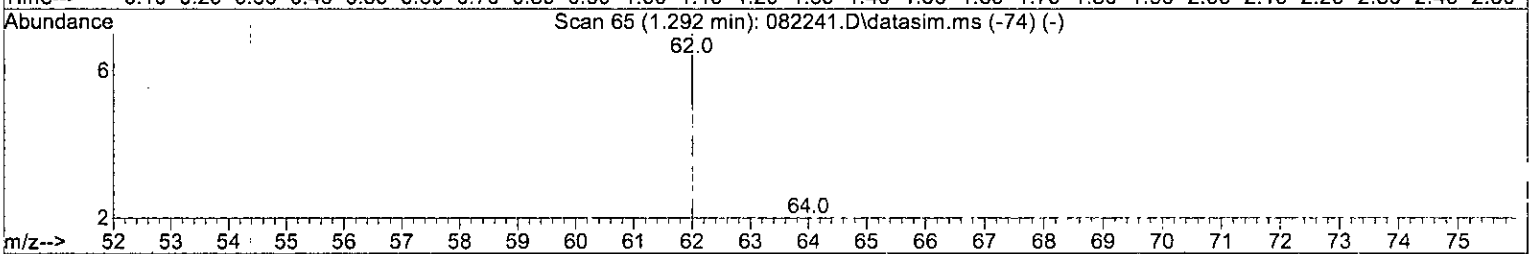
Ion	Exp%	Act%
49.90	100.00	100.00
51.90	32.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

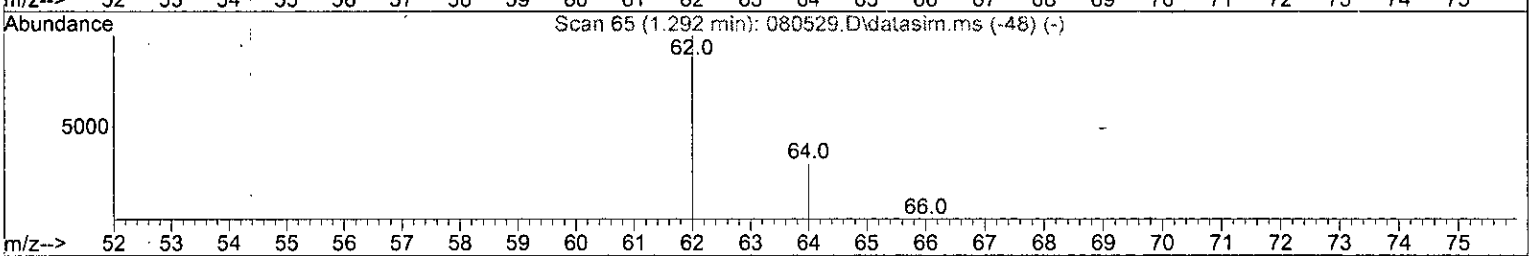
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082241.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.079 ppb

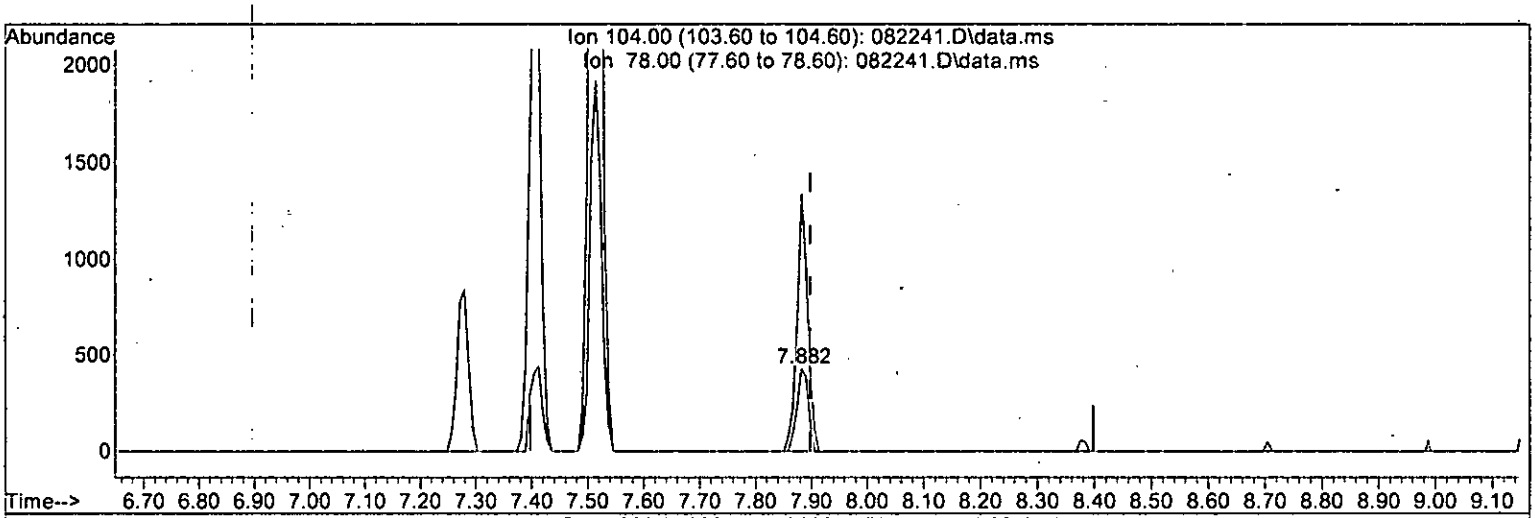
response 231

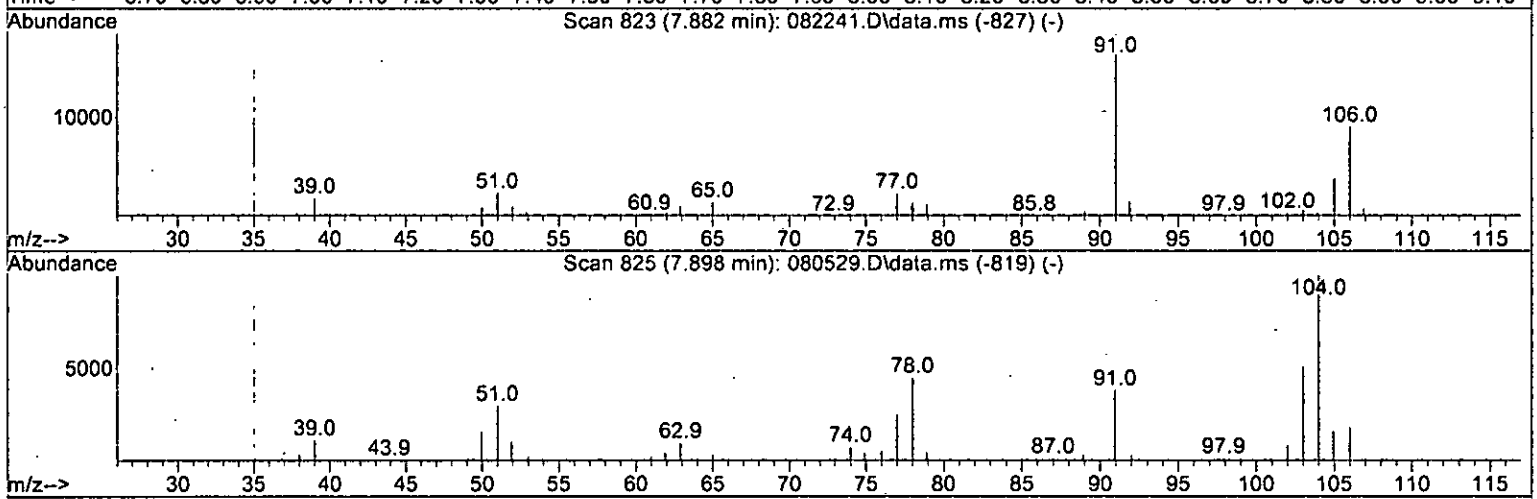
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	92.59#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082241.D\data.ms

(53) Styrene (TMP)

7.882min (-0.016) 0.205 ppb

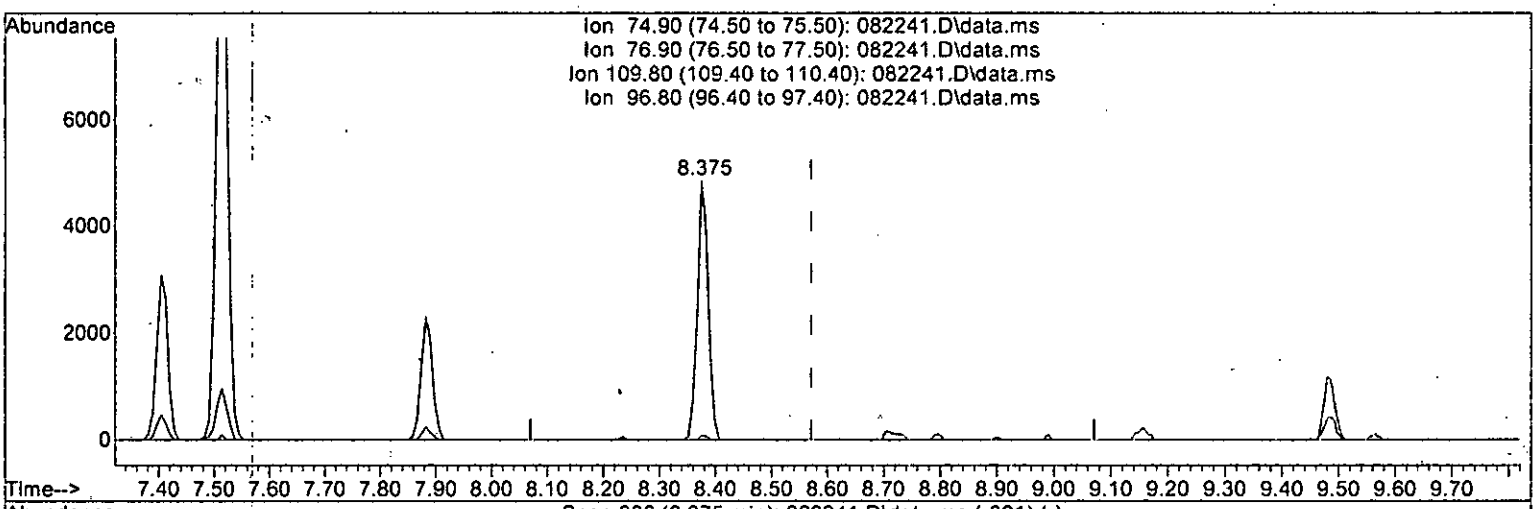
response 606

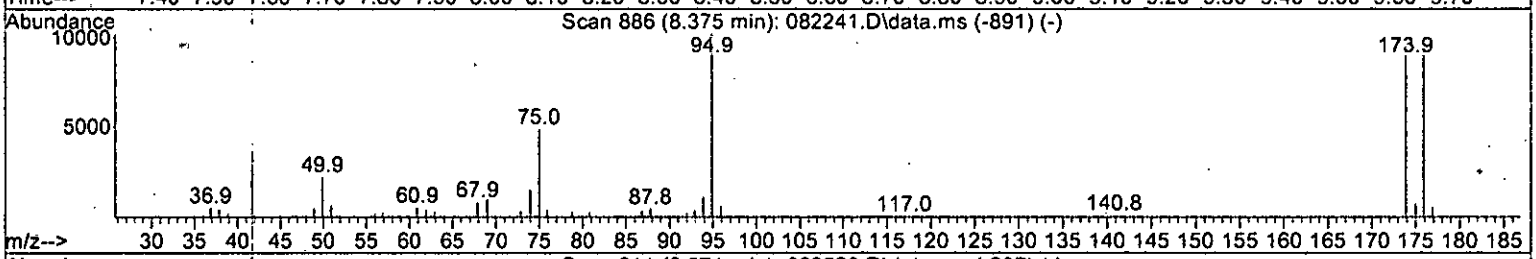
Ion	Exp%	Act%
104.00	100.00	100.00
78.00	44.50	312.56#
0.00	0.00	0.00
0.00	0.00	0.00

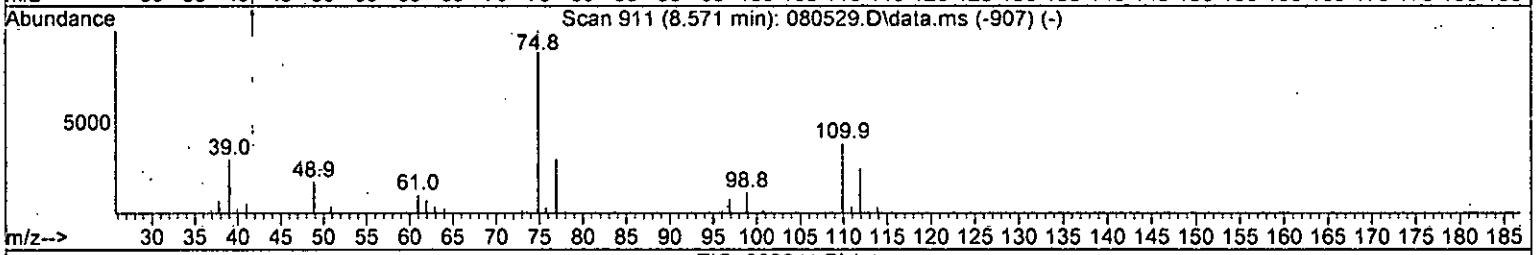
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082241.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.375min (-0.196) 8.630 ppb

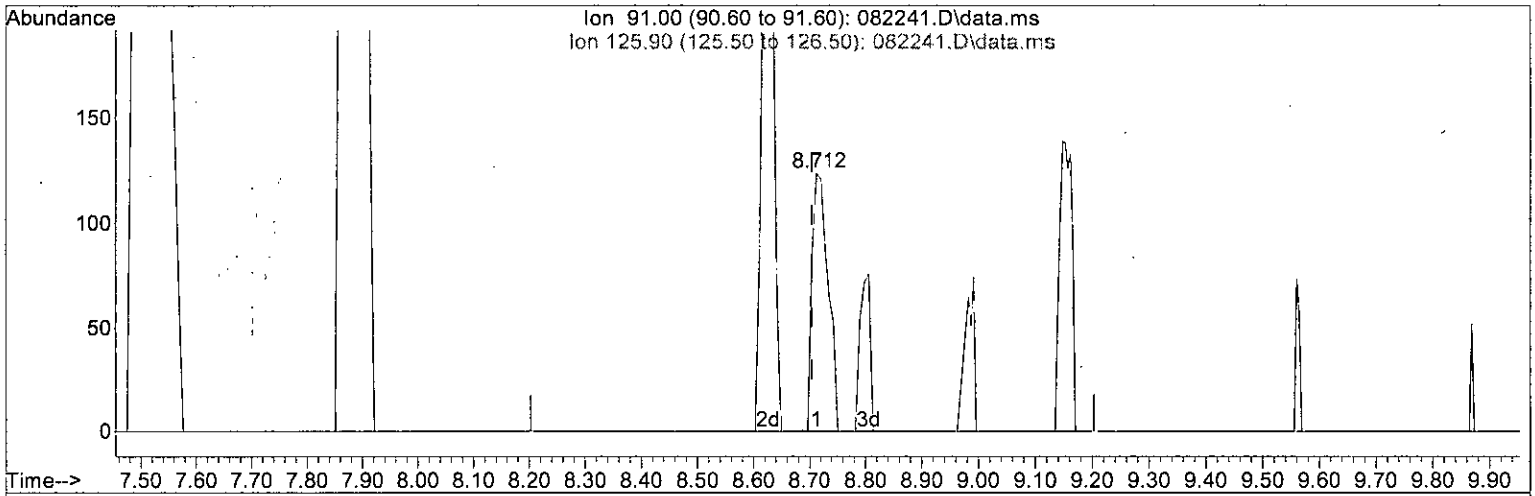
response 6470

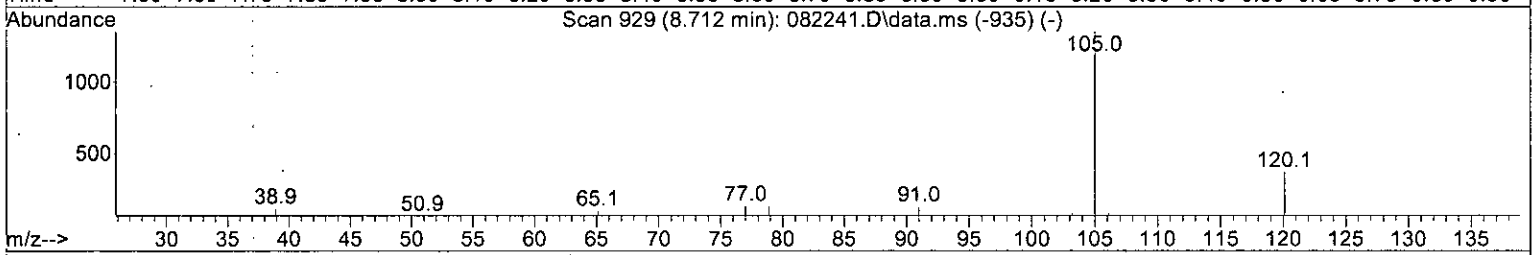
Ion	Exp%	Act%
74.90	100.00	100.00
76.90	28.10	1.67
109.80	39.20	0.00#
96.80	21.70	0.00

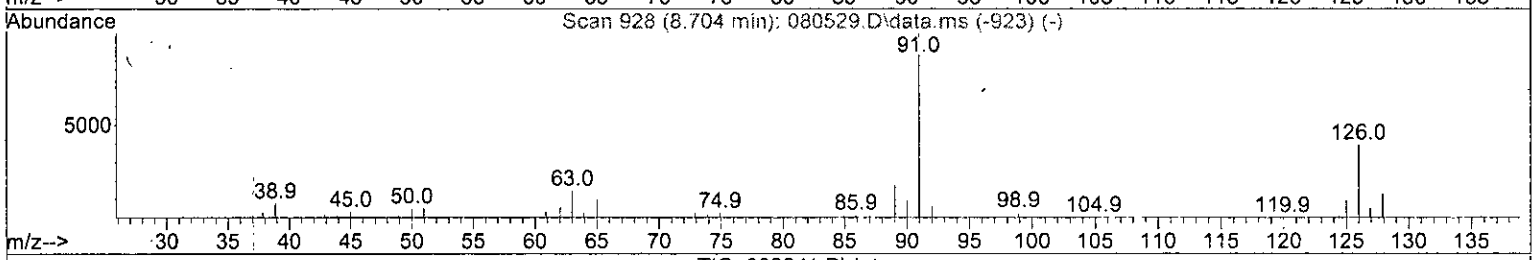
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082241.D\data.ms

(63) 2-Chlorotoluene (TMP)

8.712min (+ 0.008) 0.082 ppb

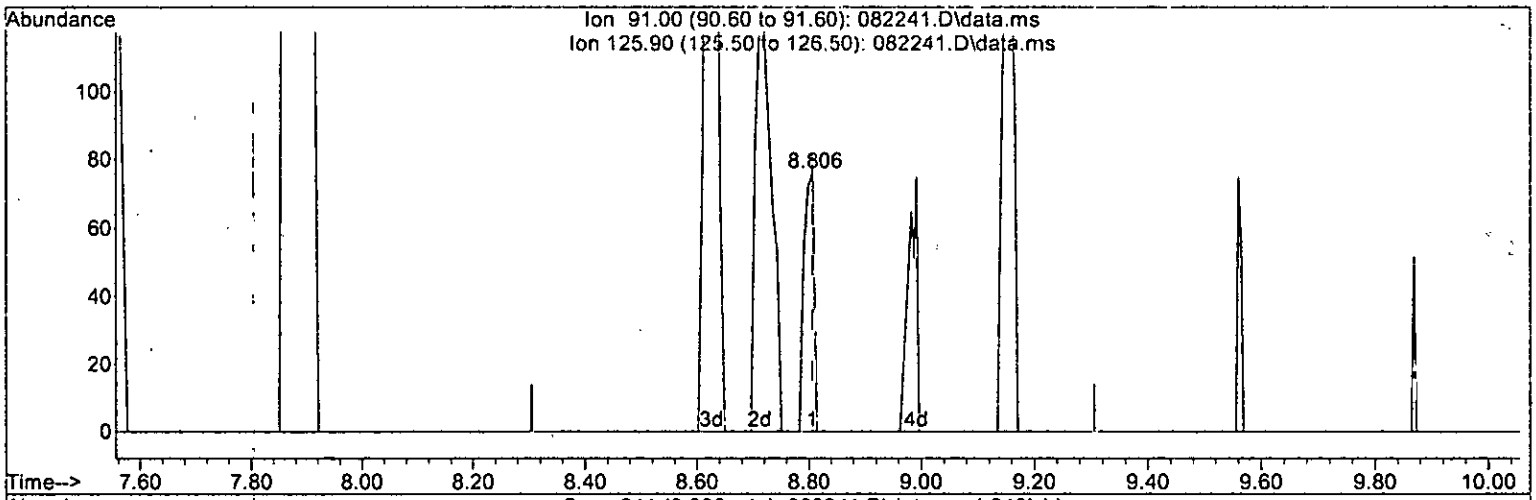
response 253

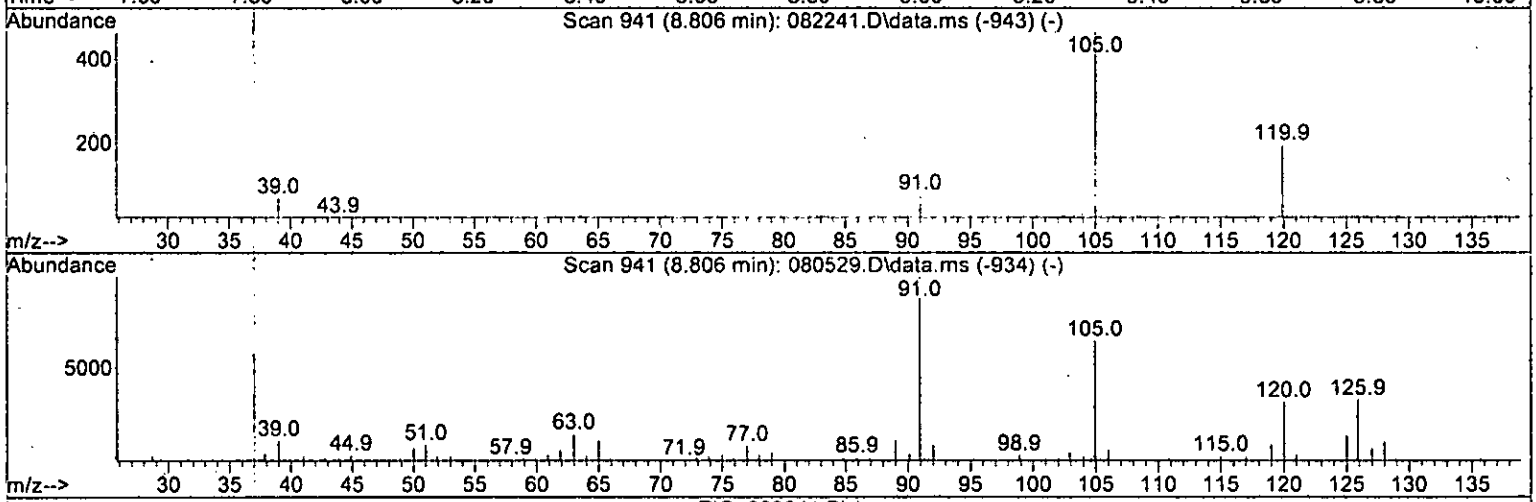
Ion	Exp%	Act%
91.00	100.00	100.00
125.90	36.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 082241.D\data.ms

(64) 4-Chlorotoluene (TMP)

8.806min (0.000) 0.026 ppb

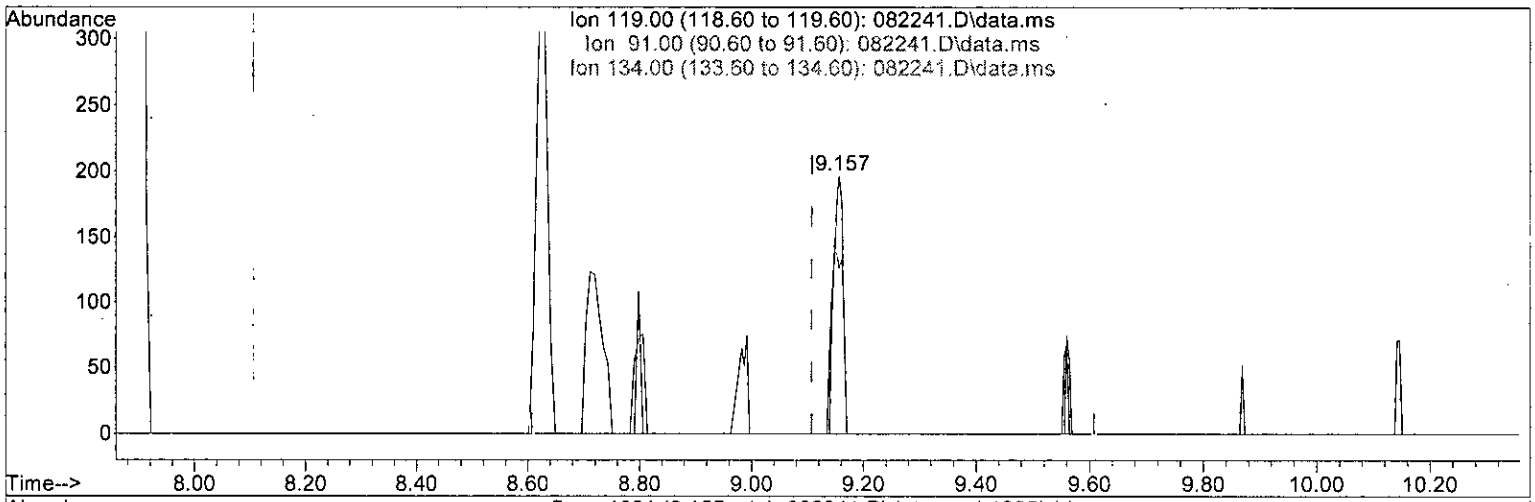
response 95

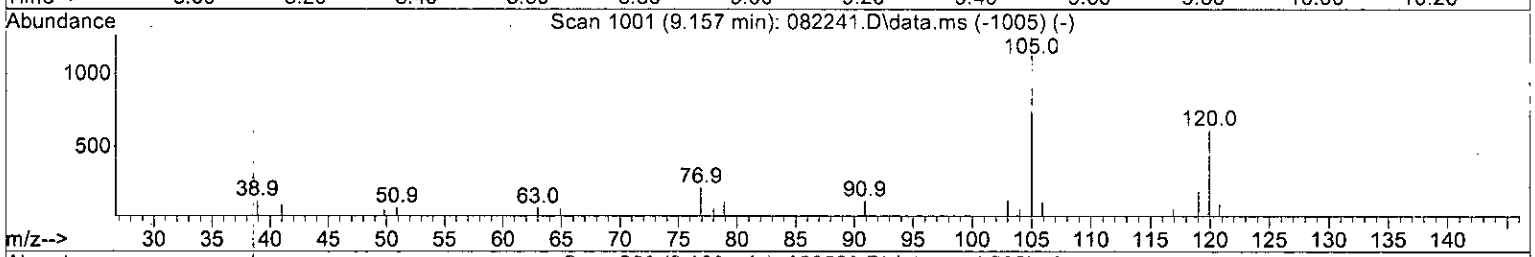
Ion	Exp%	Act%
91.00	100.00	100.00
125.90	34.20	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

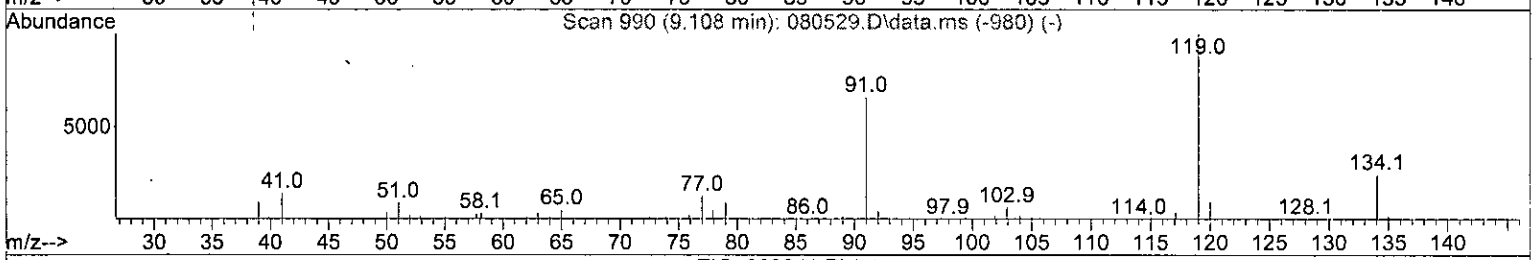
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082241.D\data.ms

(65) tert-Butylbenzene (TMP)

9.157min (+ 0.049) 0.065 ppb

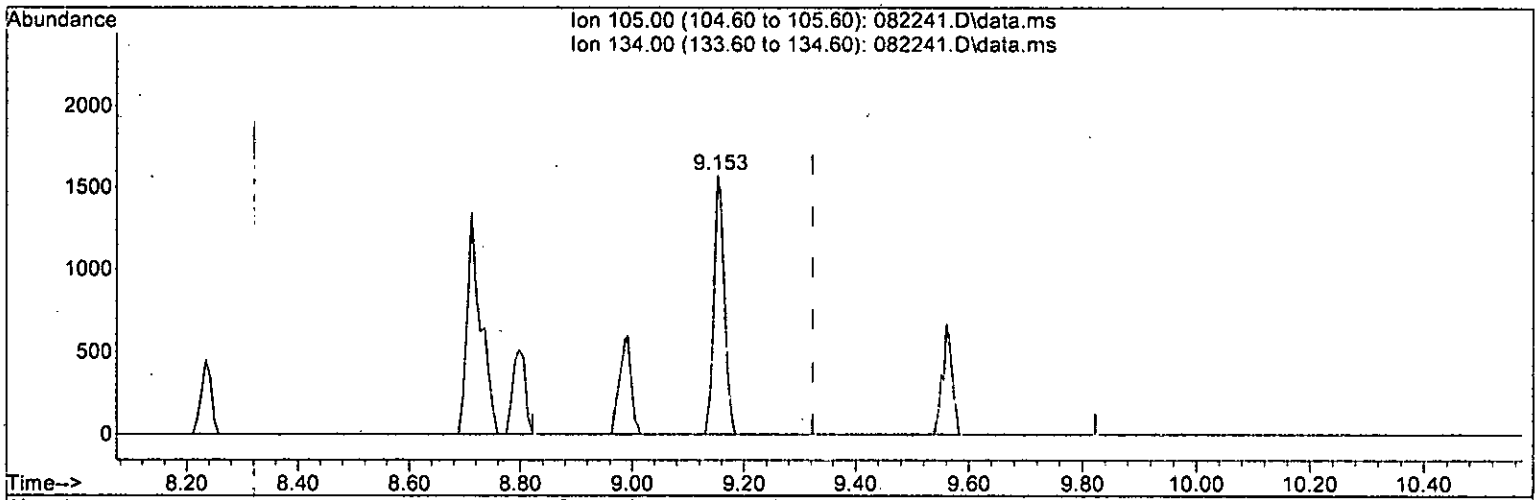
response 226

Ion	Exp%	Act%
119.00	100.00	100.00
91.00	61.70	63.96
134.00	21.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 082241.D\data.ms

(67) sec-Butylbenzene (TMP)

9.153min (-0.170) 0.403 ppb

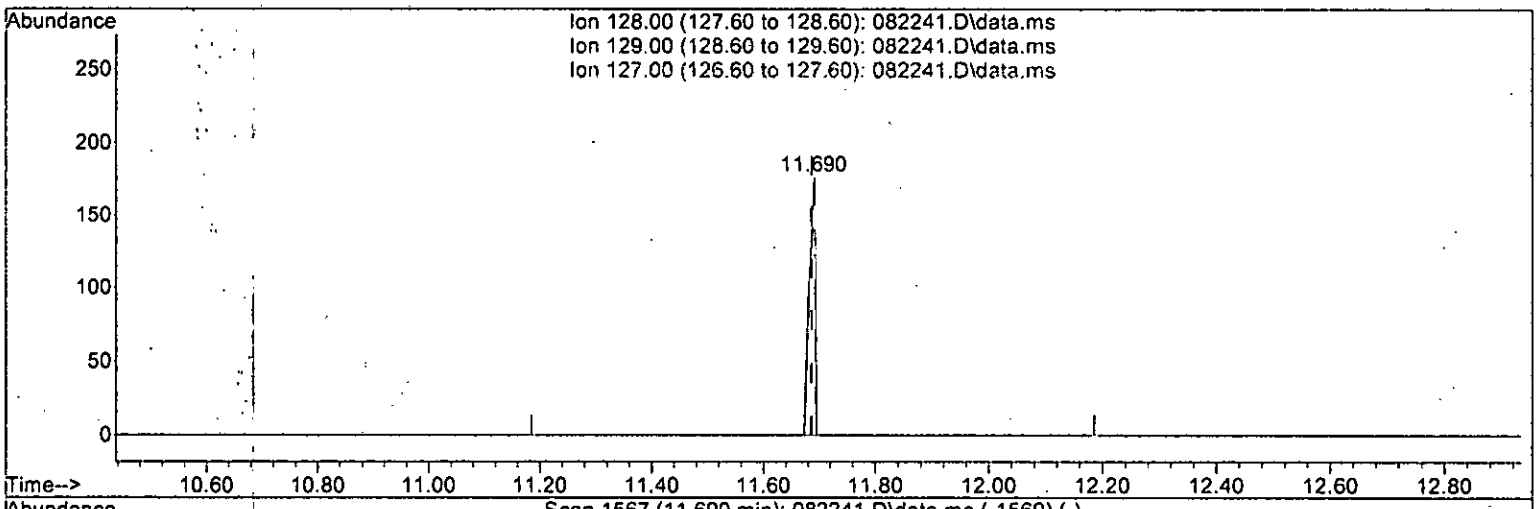
response 2040

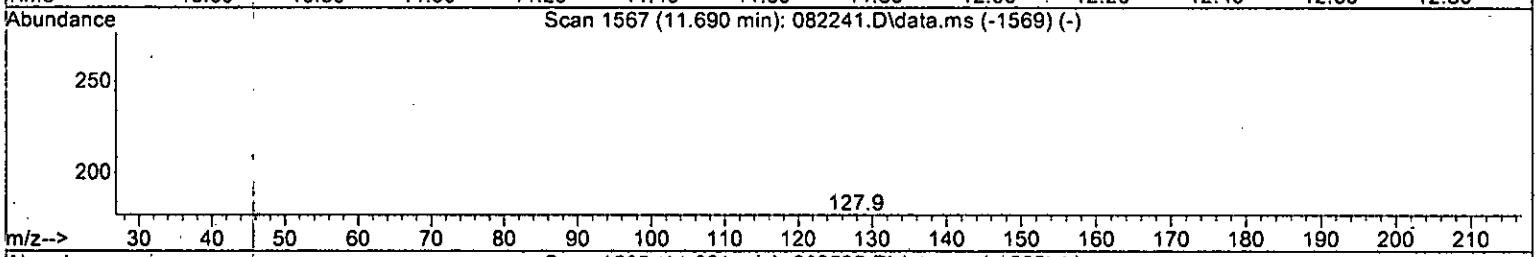
Ion	Exp%	Act%
105.00	100.00	100.00
134.00	19.60	0.00
0.00	0.00	0.00
0.00	0.00	0.00

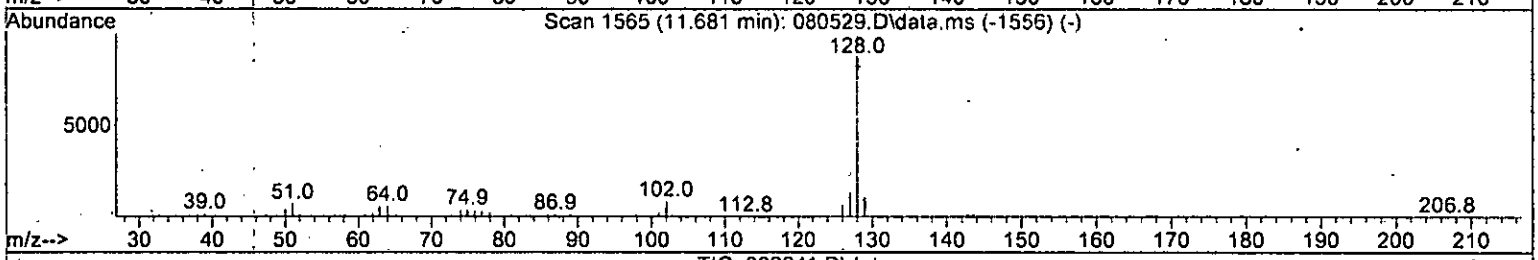
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 08:52:44 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 082241.D\data.ms

(75) Naphthalene (TMP)

11.690min (+ 0.004) 0.037 ppb

response 128

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.60	0.00
127.00	13.90	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:05:28 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

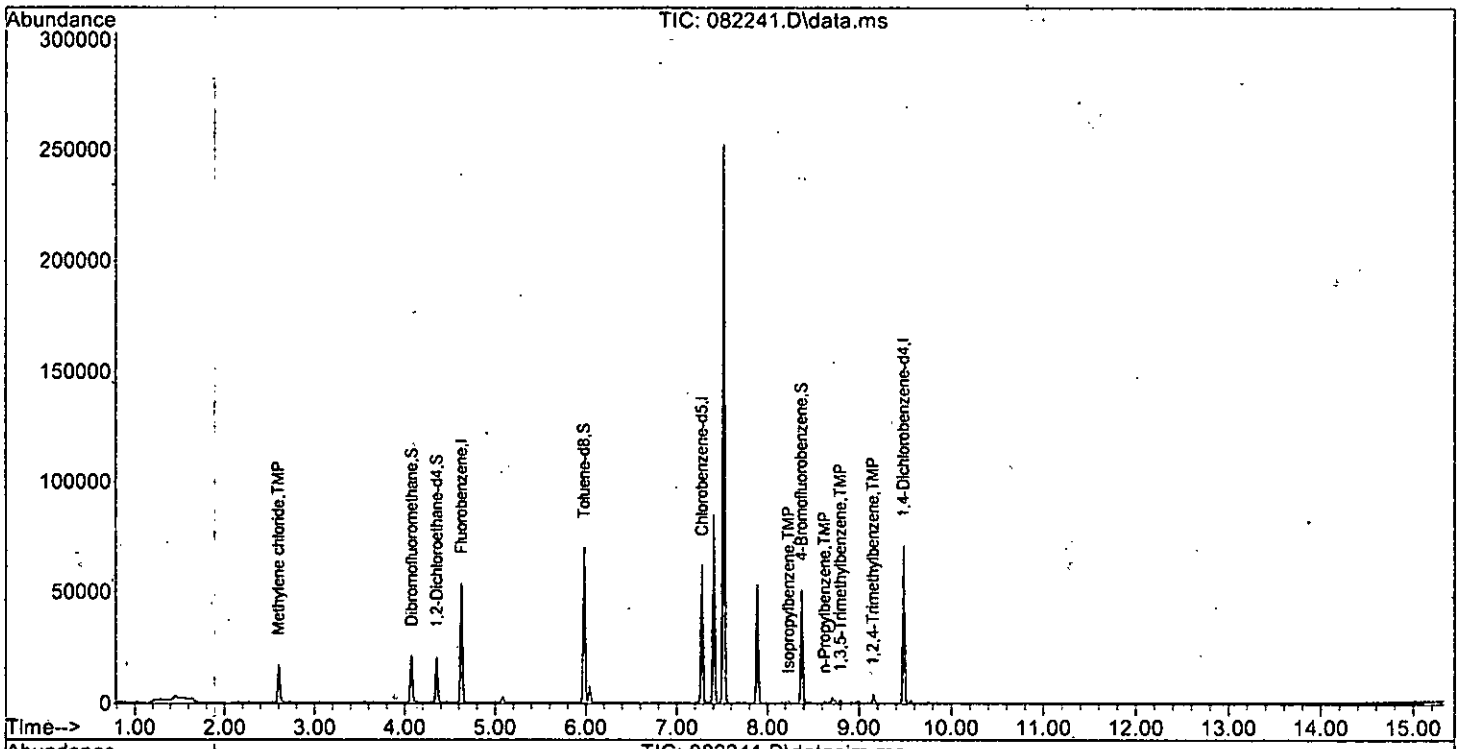
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	36637	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	29825	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	16466	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	10535	10.501	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.00%			
30) 1,2-Dichloroethane-d4	4.36	102	2120	9.760	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.60%			
35) Toluene-d8	5.98	98	36482	10.354	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.50%			
57) 4-Bromofluorobenzene	8.38	95	14016	10.302	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 103.00%			
Target Compounds						Qvalue
14) Methylene chloride	2.60	84	6302	1.163	ppb	97
40] Toluene	6.04	92	2986	1.110	ppb	92
49] Ethylbenzene	7.41	91	52112	10.915	ppb	88
51] m,p-Xylene	7.52	106	63484	34.309	ppb	98
52] o-Xylene	7.88	106	13009	7.077	ppb	96
54) Isopropylbenzene	8.23	105	575	0.120	ppb	91
58) n-Propylbenzene	8.63	91	498	0.095	ppb	87
60) 1,3,5-Trimethylbenzene	8.80	105	806	0.208	ppb	72
66) 1,2,4-Trimethylbenzene	9.15	105	2040	0.511	ppb	94

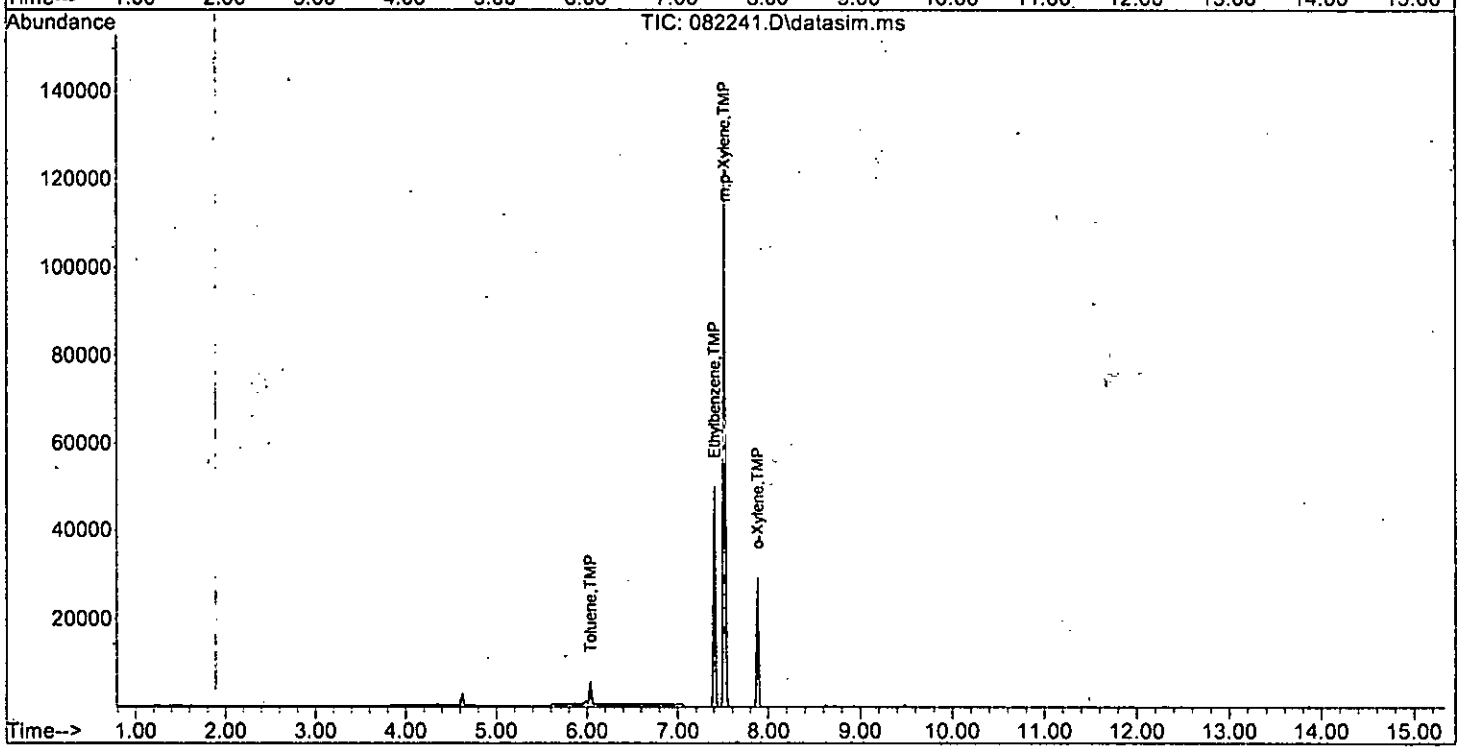
(#) = qualifier out of range (m) = manual integration (+) = signals summed

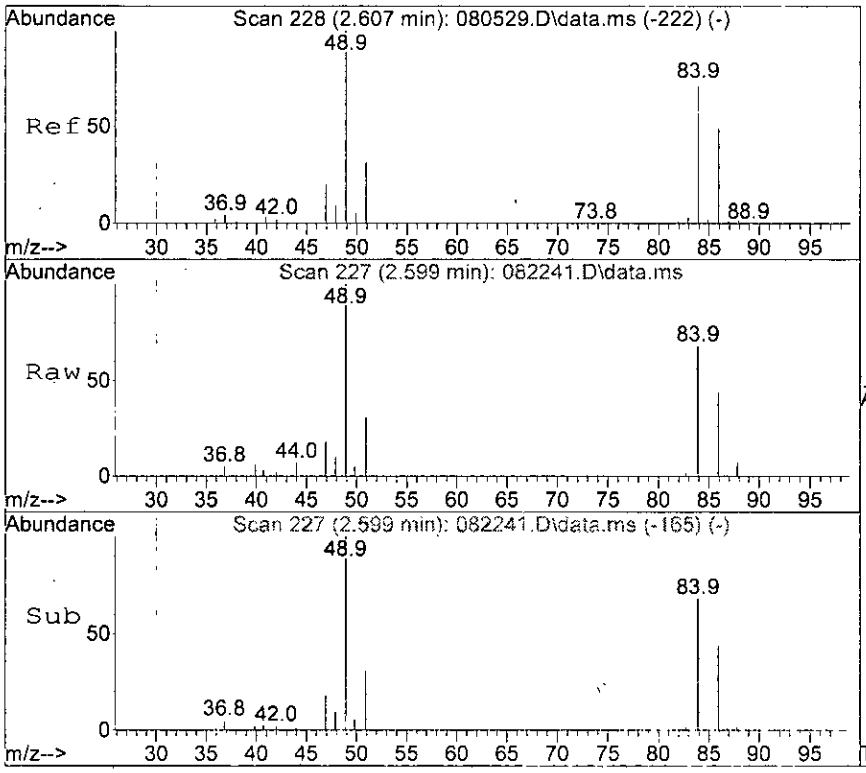
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:05:28 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



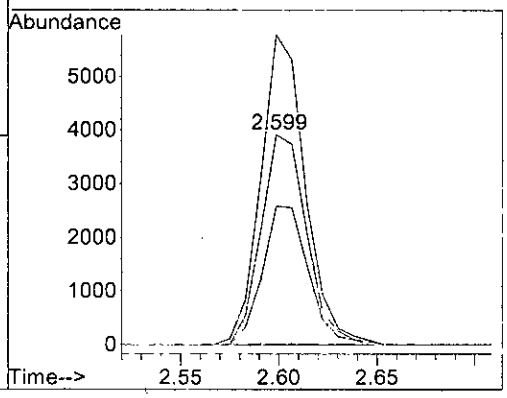


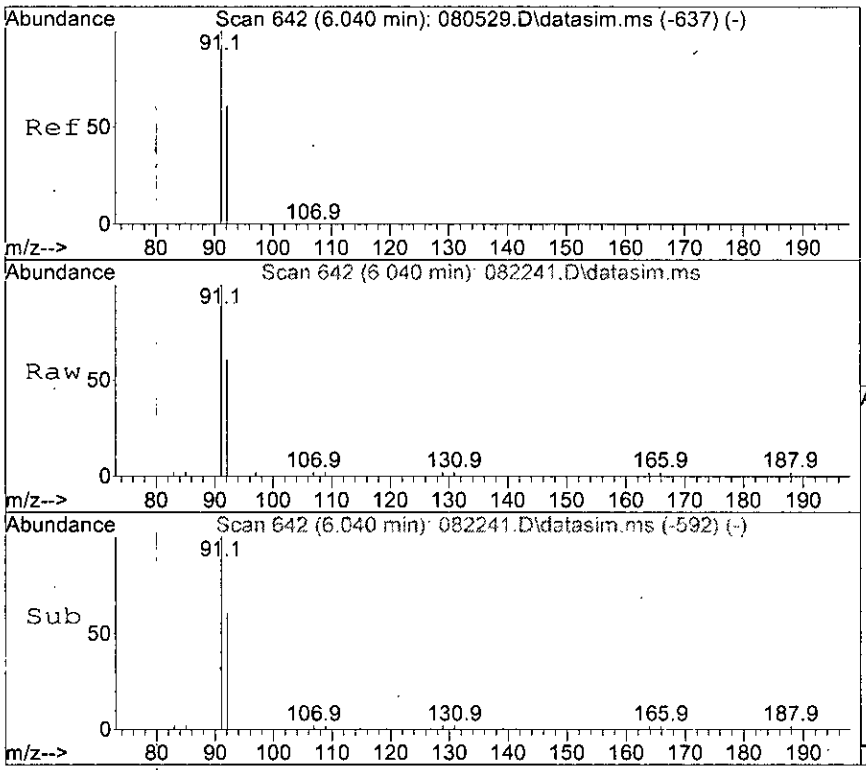


#14
Methylene chloride
Concen: 1.163 ppb
RT: 2.60 min Scan# 227
Delta R.T. -0.000 min
Lab File: 082241.D
Acq: 22 Aug 2022 08:11 pm

Tgt Ion: 84 Resp: 6302

Ion	Ratio	Lower	Upper
84	100		
86	65.9	38.7	98.7
49	148.1	114.1	174.1

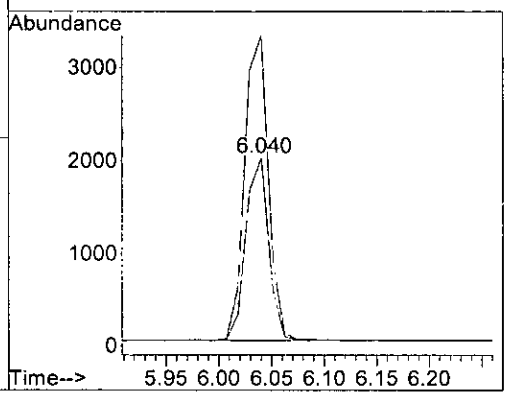


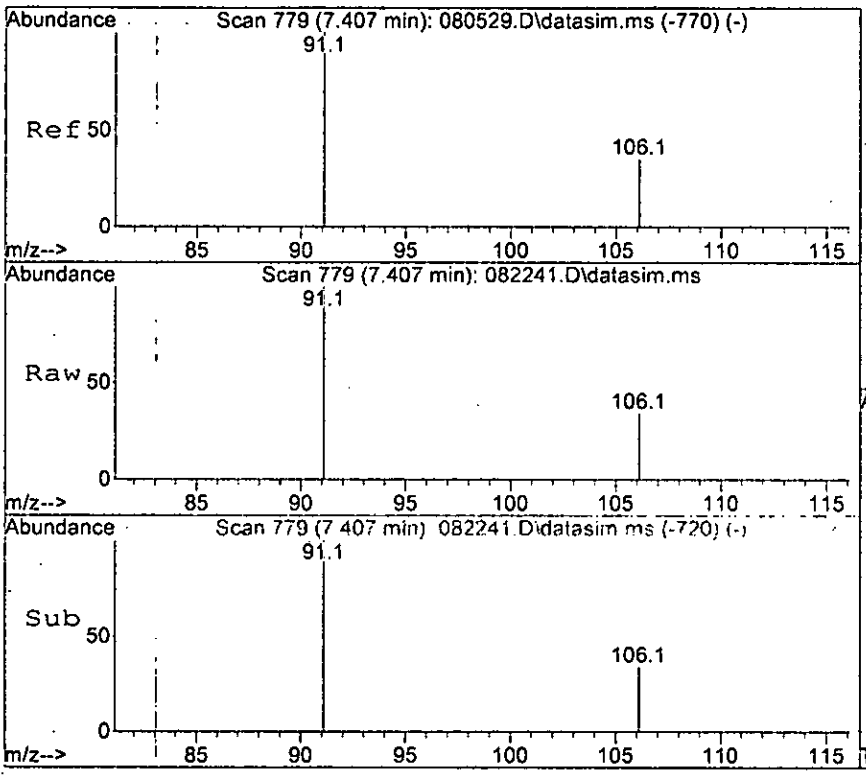


#40
Toluene
Concen: 1.110 ppb
RT: 6.04 min Scan# 642
Delta R.T. 0.011 min
Lab File: 082241.D
Acq: 22 Aug 2022 08:11 pm

Tgt Ion: 92 Resp: 2986

Ion	Ratio	Lower	Upper
92	100		
91	166.2	147.4	207.4

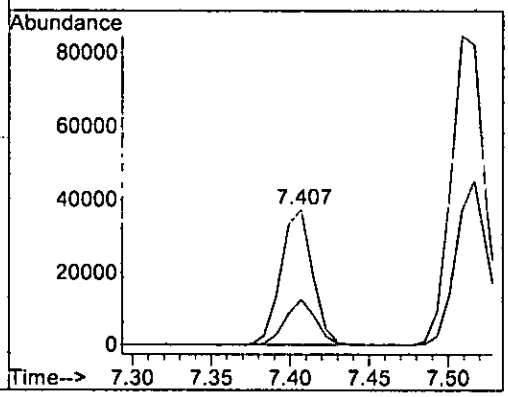


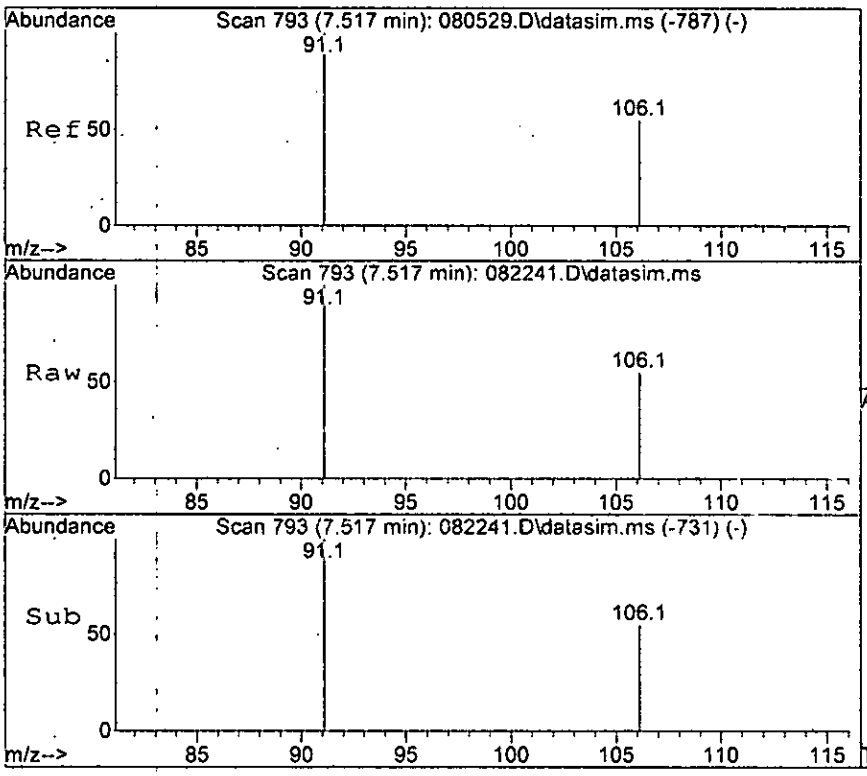


#49
Ethylbenzene
Concen: 10.915 ppb
RT: 7.41 min Scan# 779
Delta R.T. 0.008 min
Lab File: 082241.D
Acq: 22 Aug 2022 08:11 pm

Tgt Ion: 91 Resp: 52112

Ion	Ratio	Lower	Upper
91	100		
106	33.7	0.0	57.3

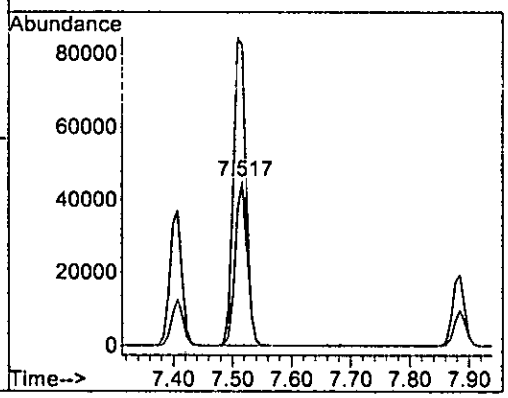


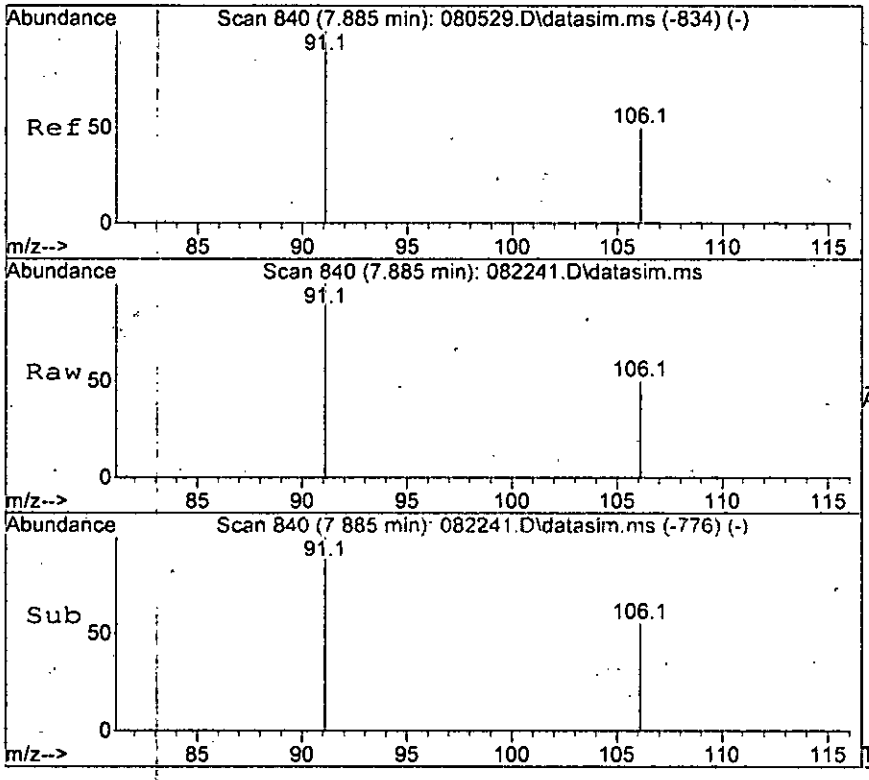


#51
m,p-Xylene
Concen: 34.309 ppb
RT: 7.52 min Scan# 793
Delta R.T. -0.000 min
Lab File: 082241.D
Acq: 22 Aug 2022 08:11 pm

Tgt Ion:106 Resp: 63484

Ion	Ratio	Lower	Upper
106	100		
91	181.5	148.7	208.7

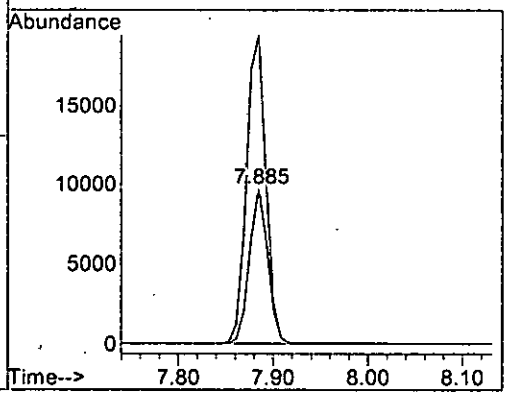


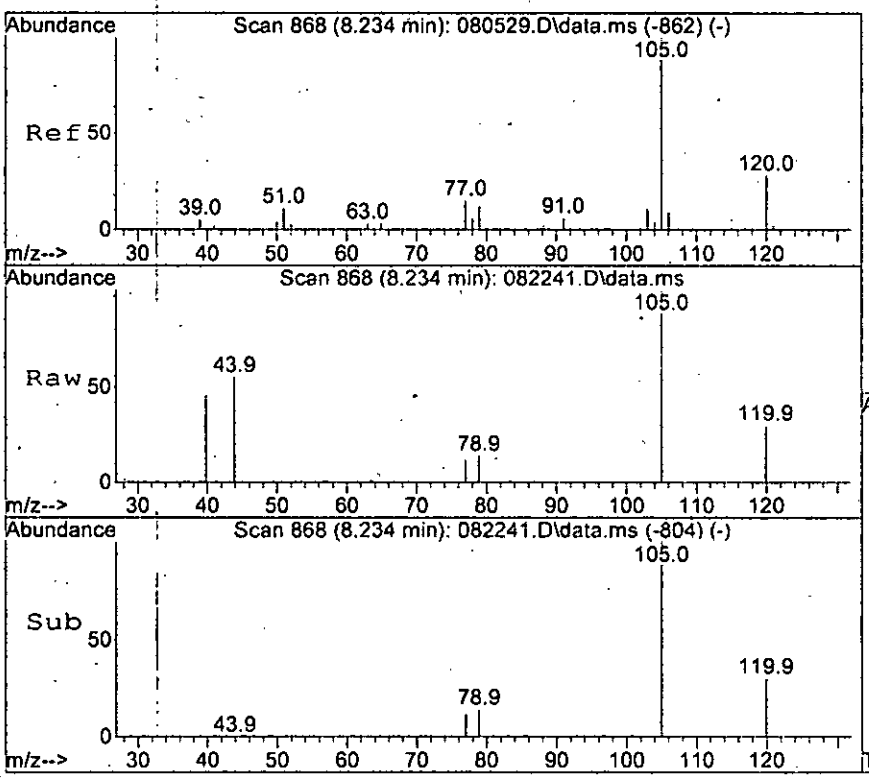


#52
o-Xylene
Concen: 7.077 ppb
RT: 7.88 min Scan# 840
Delta R.T. -0.000 min
Lab File: 082241.D
Acq: 22 Aug 2022 08:11 pm

Tgt Ion:106 Resp: 13009

Ion	Ratio	Lower	Upper
106	100		
91	200.5	164.0	224.0

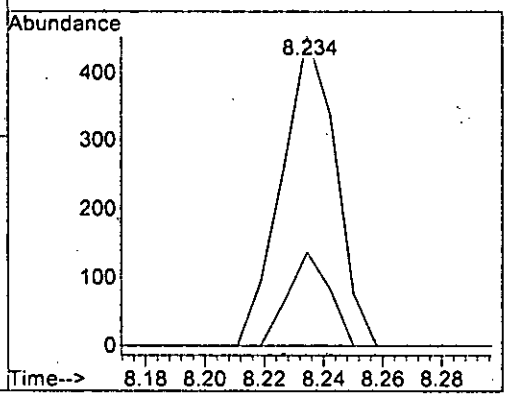


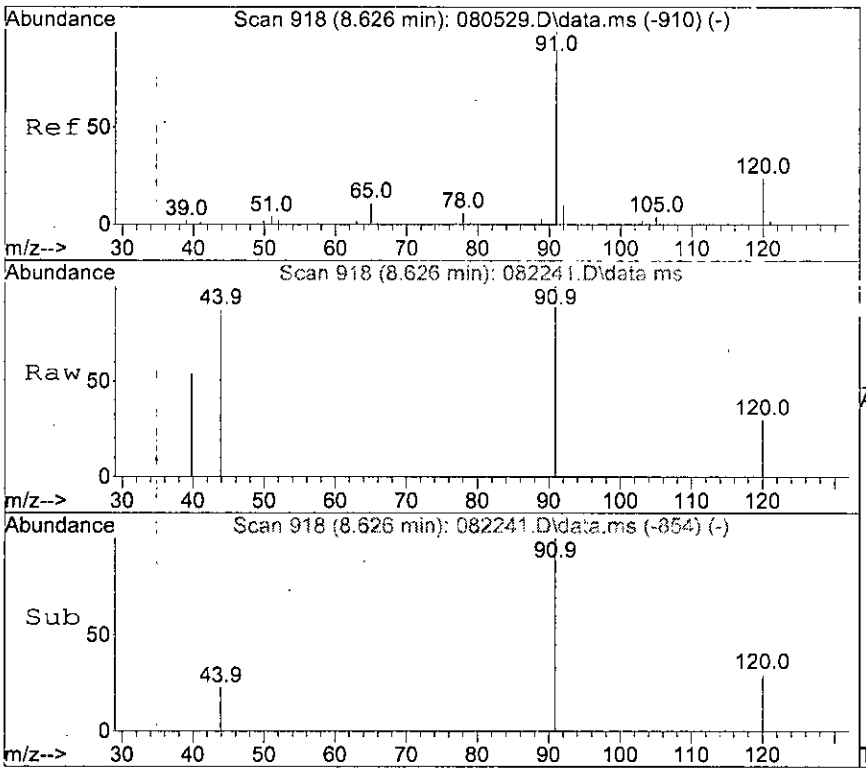


#54
Isopropylbenzene
Concen: 0.120 ppb
RT: 8.23 min Scan# 868
Delta R.T. -0.001 min
Lab File: 082241.D
Acq: 22 Aug 2022 08:11 pm

Tgt Ion:105 Resp: 575

Ion	Ratio	Lower	Upper
105	100		
120	30.1	0.0	55.6

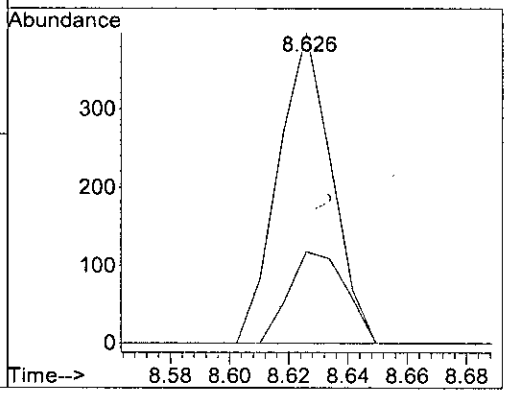


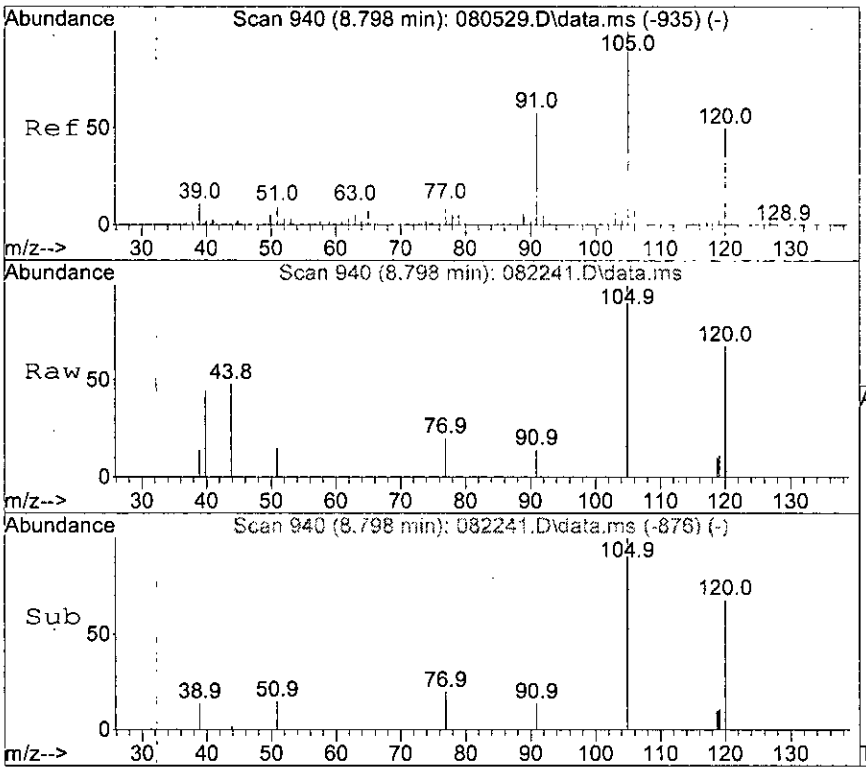


#58
n-Propylbenzene
Concen: 0.095 ppb
RT: 8.63 min Scan# 918
Delta R.T. -0.000 min
Lab File: 082241.D
Acq: 22 Aug 2022 08:11 pm

Tgt Ion: 91 Resp: 498

Ion	Ratio	Lower	Upper
91	100		
120	29.6	0.0	53.2

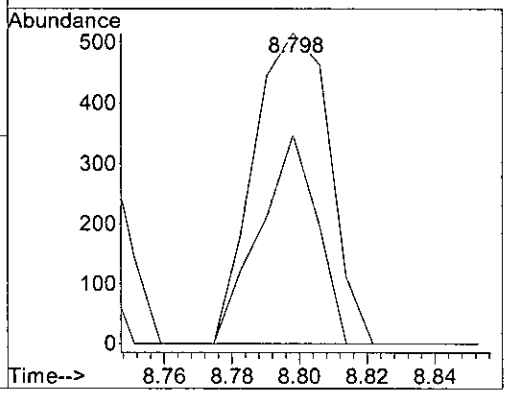


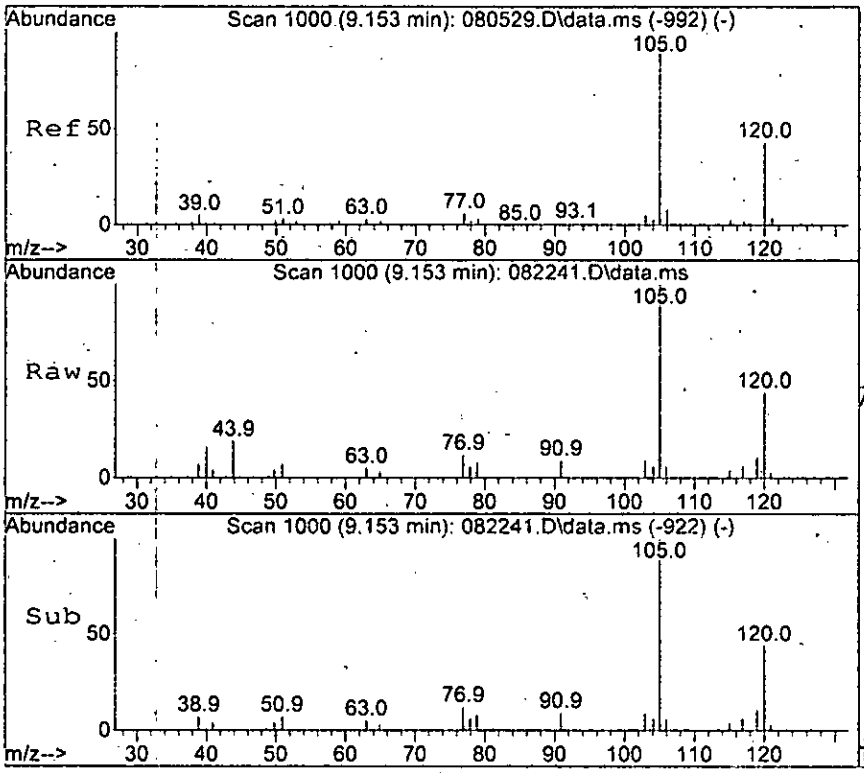


#60
1,3,5-Trimethylbenzene
Concen: 0.208 ppb
RT: 8.80 min Scan# 940
Delta R.T. 0.000 min
Lab File: 082241.D
Acq: 22 Aug 2022 08:11 pm

Tgt Ion:105 Resp: 806

Ion	Ratio	Lower	Upper
105	100		
120	67.6	18.4	78.4

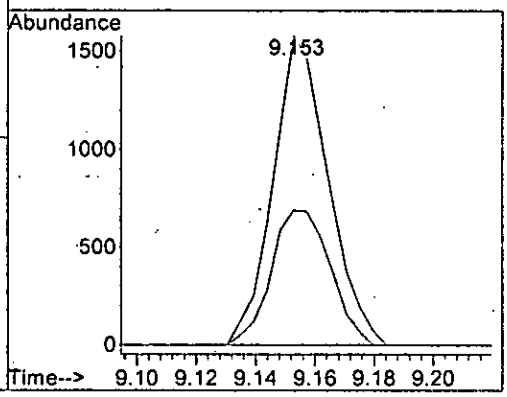




#66
1,2,4-Trimethylbenzene
Concen: 0.511 ppb
RT: 9.15 min Scan# 1000
Delta R.T. -0.004 min
Lab File: 082241.D
Acq: 22 Aug 2022 08:11 pm

Tgt Ion:105 Resp: 2040

Ion	Ratio	Lower	Upper
105	100		
120	43.8	17.8	77.8



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:05:28 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	36637	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	29825	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	16466	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	10535	10.501 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.00%		
30) 1,2-Dichloroethane-d4	4.36	102	2120	9.760 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.60%		
35) Toluene-d8	5.98	98	36482	10.354 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 103.50%		
57) 4-Bromofluorobenzene	8.38	95	14016	10.302 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 103.00%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	0.00		0	N.D. d	
6) Vinyl chloride	0.00		0	N.D. d	
7) Bromomethane	0.00		0	N.D.	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	0.00		0	N.D.	
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	0.00		0	N.D.	
14) Methylene chloride	2.60	84	6302	1.163 ppb	97
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	0.00		0	N.D.	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	0.00		0	N.D.	
24) 2-Butanone (MEK)	0.00		0	N.D.	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	0.00		0	N.D.	
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.04	92	2986	1.110 ppb	92
41) trans-1,3-Dichloropropene	0.00		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:05:28 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

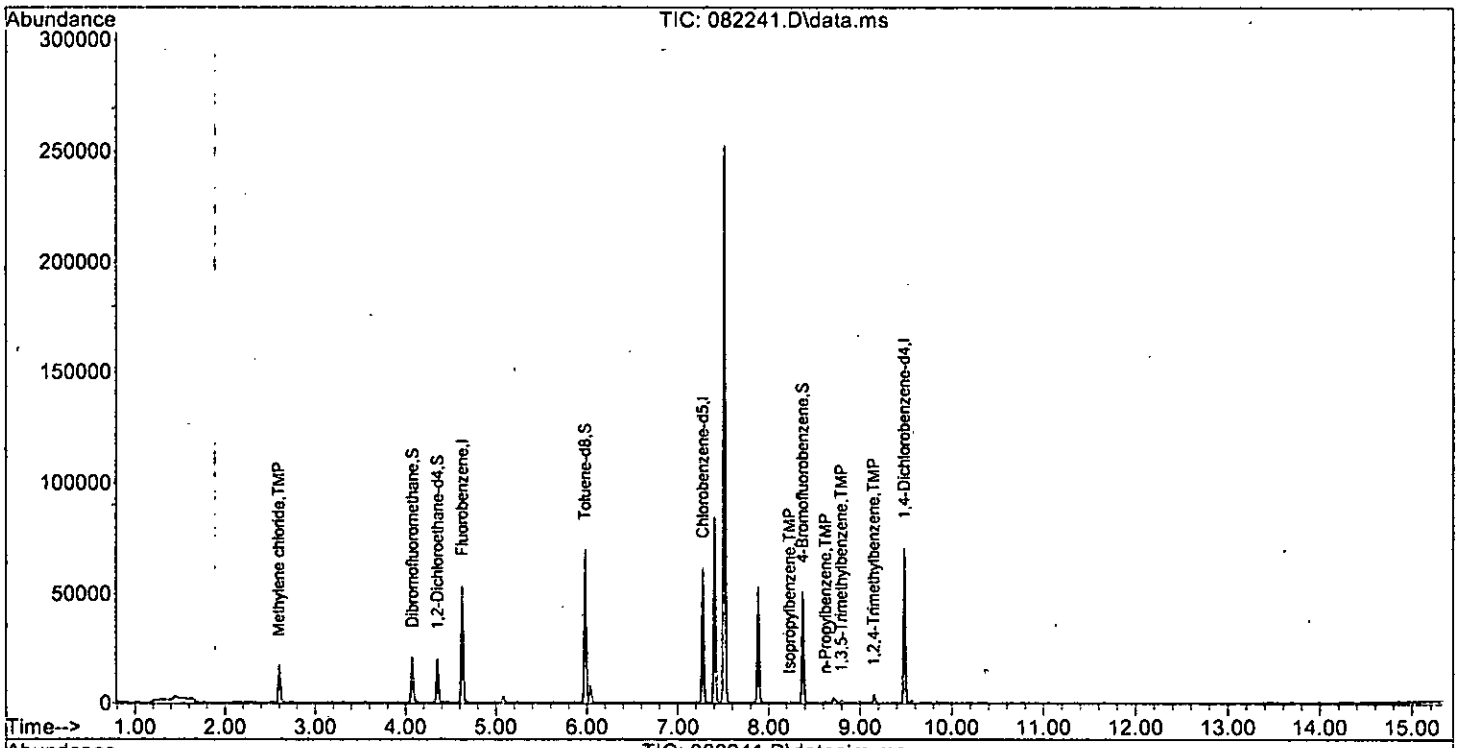
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	0.00		0	N.D.			
44) 1,3-Dichloropropane	0.00		0	N.D.			
45) Tetrachloroethene	0.00		0	N.D.			
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.			
49] Ethylbenzene	7.41	91	52112	10.915	ppb		88
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.52	106	63484	34.309	ppb		98
52] o-Xylene	7.88	106	13009	7.077	ppb		96
53) Styrene	0.00		0	N.D.	d		
54) Isopropylbenzene	8.23	105	575	0.120	ppb		91
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	498	0.095	ppb		87
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	8.80	105	806	0.208	ppb		72
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	0.00		0	N.D.	d		
64) 4-Chlorotoluene	0.00		0	N.D.	d		
65) tert-Butylbenzene	0.00		0	N.D.	d		
66) 1,2,4-Trimethylbenzene	9.15	105	2040	0.511	ppb		94
67) sec-Butylbenzene	0.00		0	N.D.	d		
68) p-Isopropyltoluene	0.00		0	N.D.			
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	0.00		0	N.D.			
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	0.00		0	N.D.	d		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

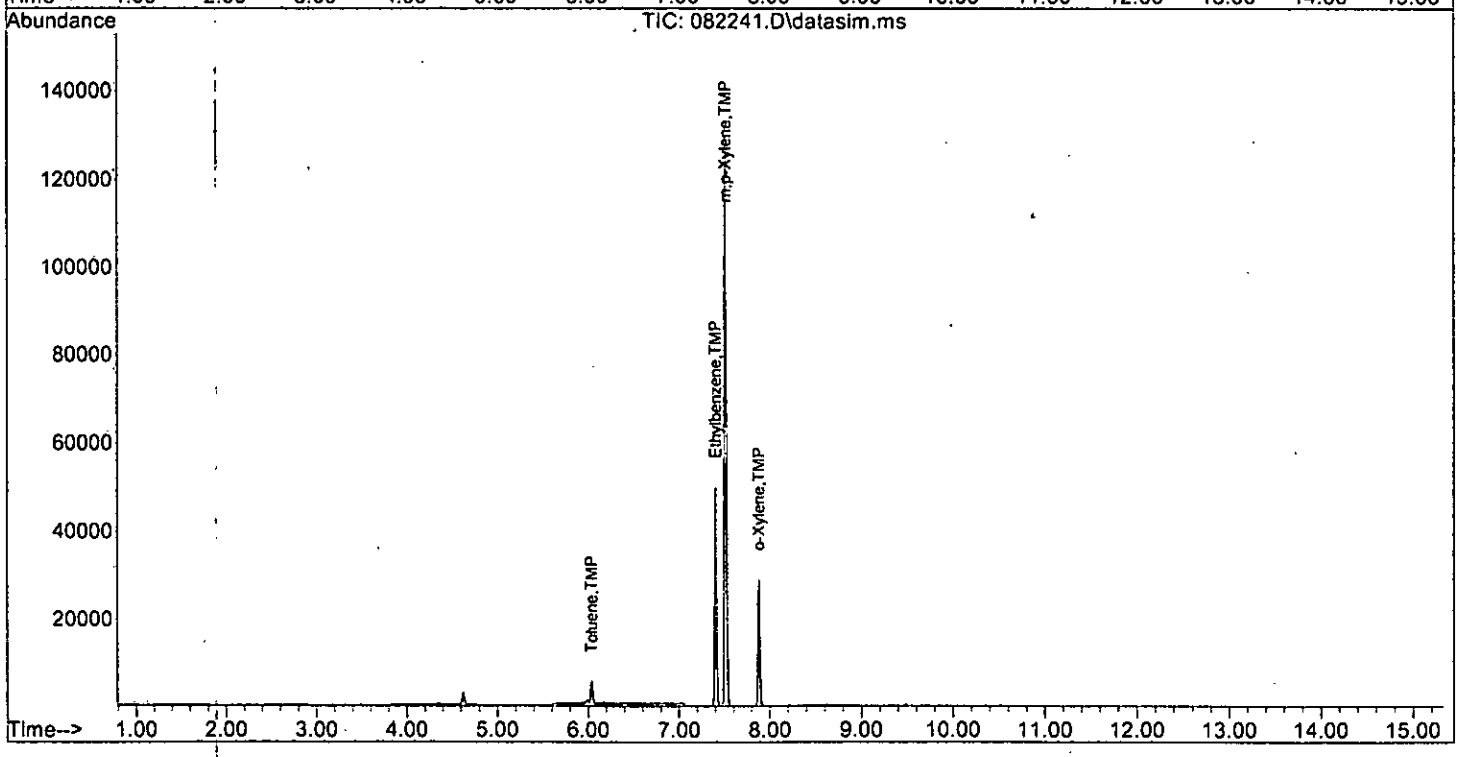
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-22-22\
Data File : 082241.D
Acq On : 22 Aug 2022 08:11 pm
Operator : RF
Sample : 208257-05 1/200
Misc : water
ALS Vial : 36 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 23 10:05:28 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





EPA 8270E
MDLs

MDL Data and Calculations

Analysis:	8270 BNAs
Matrix:	Water
Instrument ID:	GCMS #9
Reporting Units:	ug/L

Analyst fill in all below

(attach extraction worksheet(s))

Standard(s) spiked:	63-50a; 63-89; 63-49a; 64-11
Volume spiked:	50 ul, 50 ul, 40 ul
Date(s) Extracted:	4/30/2021; 05/04/21; 06/09/2
Date(s) Analyzed:	4/30/2021; 05/04/21; 06/14/2
Date Calculated:	5/3/2021; 05/06/21; 06/15/21;
Calculation Analyst:	VM

	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std		Spike	%
Analyte	**MDL**	**PQL**	**PQL**	**Dev**	**Mean**	**Level**	**Rec.**
N-Nitrosodimethylamine	0.035	0.069	0.173	0.0116	0.041	0.20	20
Phenol	0.097	0.193	0.484	0.0323	0.230	1.00	23
Bis(2-chloroethyl) ether	0.056	0.111	0.278	0.0185	0.169	0.20	84
2-Chlorophenol	0.143	0.286	0.715	0.0477	0.672	1.00	67
1,3-Dichlorobenzene	0.041	0.083	0.207	0.0138	0.148	0.20	74
1,4-Dichlorobenzene	0.043	0.086	0.214	0.0143	0.148	0.20	74
1,2-Dichlorobenzene	0.051	0.101	0.253	0.0169	0.158	0.20	79
Benzyl alcohol	0.216	0.431	1.078	0.0719	0.909	2.00	45
2,2'-Oxybis(1-Chloropropane)	0.066	0.132	0.330	0.0220	0.191	0.20	95
2-Methylphenol	0.122	0.245	0.612	0.0409	0.487	1.00	49
Hexachloroethane	0.040	0.081	0.201	0.0134	0.135	0.20	67
N-Nitroso-di-n-propylamine	0.025	0.049	0.123	0.0082	0.194	0.20	97
3-Methylphenol + 4-Methylphenol	0.269	0.539	1.347	0.0899	0.855	2.00	43
Nitrobenzene	0.128	0.257	0.642	0.0428	0.232	0.20	116
Isophorone	0.027	0.054	0.134	0.0090	0.174	0.20	87
2-Nitrophenol	0.485	0.969	2.423	0.1616	1.117	1.00	112
2,4-Dimethylphenol	0.424	0.849	2.121	0.1415	0.534	1.00	53
Benzoic acid	8.976	17.951	44.878	2.9939	6.340	50.00	13
Bis(2-chloroethoxy)methane	0.039	0.079	0.197	0.0131	0.175	0.20	87
2,4-Dichlorophenol	0.168	0.337	0.842	0.0562	0.793	1.00	79
1,2,4-Trichlorobenzene	0.039	0.078	0.194	0.0130	0.157	0.20	79
Naphthalene	0.010	0.019	0.049	0.0032	0.031	0.03	104
Hexachlorobutadiene	0.048	0.096	0.239	0.0160	0.147	0.20	74
4-Chloroaniline	0.207	0.415	1.037	0.0692	1.594	2.00	80
4-Chloro-3-methylphenol	0.239	0.478	1.195	0.0797	0.735	1.00	73
2-Methylnaphthalene	0.009	0.019	0.047	0.0031	0.029	0.03	95
1-Methylnaphthalene	0.007	0.014	0.036	0.0024	0.027	0.03	91
Hexachlorocyclopentadiene	0.148	0.296	0.741	0.0494	0.171	0.20	86
2,4,6-Trichlorophenol	0.707	1.414	3.534	0.2358	1.082	1.00	108

	(StdDev*2.998)	(2*MDL)	(5*MDL)	Std		Spike	%
Analyte	**MDL**	**PQL**	**PQL**	**Dev**	**Mean**	**Level**	**Rec.**
2,4,5-Trichlorophenol	0.599	1.198	2.995	0.1998	1.093	1.00	109
2-Chloronaphthalene	0.036	0.071	0.178	0.0119	0.167	0.20	83
2-Nitroaniline	0.831	1.663	4.156	0.2773	1.860	2.00	93
Dimethyl phthalate	0.199	0.399	0.997	0.0665	0.892	1.00	89
Acenaphthylene	0.008	0.016	0.039	0.0026	0.026	0.03	87
2,6-Dinitrotoluene	0.164	0.329	0.821	0.0548	0.247	0.20	123
3-Nitroaniline	0.600	1.200	2.999	0.2001	1.664	2.00	83
Acenaphthene	0.009	0.019	0.047	0.0031	0.029	0.03	98
2,4-Dinitrophenol	2.419	4.839	12.097	0.8070	4.141	5.00	83
Dibenzofuran	0.059	0.119	0.297	0.0198	0.201	0.20	100
2,4-Dinitrotoluene	0.126	0.253	0.632	0.0422	0.277	0.20	139
4-Nitrophenol	0.601	1.202	3.005	0.2005	1.191	5.00	24
Diethyl phthalate	0.149	0.298	0.745	0.0497	0.888	1.00	89
Fluorene	0.006	0.013	0.032	0.0021	0.029	0.03	96
4-Chlorophenyl phenyl ether	0.030	0.061	0.152	0.0101	0.180	0.20	90
1,2-Diphenylhydrazine	0.034	0.068	0.171	0.0114	0.170	0.20	85
N-Nitrosodiphenylamine	0.037	0.073	0.183	0.0122	0.147	0.20	73
4-Nitroaniline	0.593	1.185	2.963	0.1977	1.867	2.00	93
4,6-Dinitro-2-methylphenol	0.379	0.758	1.896	0.1265	1.331	1.00	133
4-Bromophenyl phenyl ether	0.032	0.064	0.159	0.0106	0.179	0.20	89
Hexachlorobenzene	0.066	0.132	0.329	0.0219	0.173	0.20	87
Pentachlorophenol	0.470	0.940	2.350	0.1567	1.331	1.00	133
Phenanthrene	0.013	0.025	0.063	0.0042	0.040	0.03	132
Anthracene	0.006	0.012	0.030	0.0020	0.029	0.03	98
Carbazole	0.044	0.088	0.219	0.0146	0.197	0.20	98
Di-n-butyl phthalate	0.690	1.380	3.450	0.2302	1.152	1.00	115
Fluoranthene	0.014	0.027	0.068	0.0045	0.033	0.03	111
Benzidine	1.038	2.076	5.190	0.3463	0.605	2.00	30
Pyrene	0.013	0.027	0.067	0.0045	0.033	0.03	109
Benzyl butyl phthalate	0.259	0.519	1.297	0.0865	1.178	1.00	118
3,3'-Dichlorobenzidine	0.542	1.085	2.712	0.1809	1.669	2.00	83
Benz(a)anthracene	0.009	0.019	0.047	0.0031	0.032	0.03	105
Chrysene	0.008	0.016	0.040	0.0027	0.031	0.03	102
Bis(2-ethylhexyl) phthalate	0.627	1.255	3.137	0.2092	1.485	1.00	148
Di-n-octyl phthalate	0.366	0.732	1.830	0.1221	1.266	1.00	127
Benzo(a)pyrene	0.005	0.011	0.027	0.0018	0.027	0.03	90
Benzo(b)fluoranthene	0.008	0.016	0.040	0.0027	0.031	0.03	104

	(StdDev*2.998)	(2*MDL)	(5*MDL)	**Std**		**Spike**	**%**
Analyte	**MDL**	**PQL**	**PQL**	**Dev**	**Mean**	**Level**	**Rec.**
Benzo(k)fluoranthene	0.007	0.014	0.035	0.0023	0.032	0.03	105
Indeno(1,2,3-cd)pyrene	0.011	0.023	0.057	0.0038	0.029	0.03	96
Dibenz(a,h)anthracene	0.014	0.028	0.069	0.0046	0.029	0.03	96
Benzo(g,h,i)perylene	0.014	0.029	0.072	0.0048	0.030	0.03	99

EPA 8270E
Sequence Tables

Sequence Name: C:\msdchem\1\sequence\08-10-22.s
Comment:
Operator: VM
Data Path: D:\GCMS9\GCMS9 DATA\08-10-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line			Sample Name/Misc Info
1)	Sample	101 081001	081022SS RT
2)	Sample	103 081002	BAKE320 rinse
3)	Sample	103 081003	BAKE320 rinse
4)	Pause		
5)	Sample	102 081004	DFTPP20 50 ng tune 67-39a
6)	Sample	103 081005	DFTPP rinse
7)	Sample	103 081006	DFTPP rinse
8)	Sample	103 081007	DFTPP rinse
9)	Sample	104 081008	081022SS rinse
10)	Sample	111 081009	081022SS 0.01 ug/ml 8270 ICAL 67-21B
11)	Sample	112 081010	081022SS 0.015 ug/ml 8270 ICAL 67-21C
12)	Sample	113 081011	081022SS 0.1 ug/ml 8270 ICAL 67-21D
13)	Sample	114 081012	081022SS 0.2 ug/ml 8270 ICAL 67-21E
14)	Sample	115 081013	081022SS 1 ug/ml 8270 ICAL 67-21F
15)	Sample	116 081014	081022SS 2 ug/ml 8270 ICAL 67-21G
16)	Sample	117 081015	081022SS 5 ug/ml 8270 ICAL 67-21H
17)	Sample	118 081016	081022SS 10 ug/ml 8270 ICAL 67-21I
18)	Sample	119 081017	081022SS 16 ug/ml 8270 ICAL 67-21J
19)	Sample	120 081018	081022SS 20 ug/ml 8270 ICAL 67-21K
20)	Sample	121 081019	081022SS 25 ug/ml 8270 ICAL 67-21L
21)	Sample	122 081020	081022SS 30 ug/ml 8270 ICAL 67-21M
22)	Sample	103 081021	081022SS rinse
23)	Sample	103 081022	081022SS rinse
24)	Sample	123 081023	081022SS 5 ug/ml 8270 SCV 67-22a
25)	Sample	101 081024	081022SS 5 ug/ml 8270 CCV 67-21H
26)	Sample	1 081025	081022SS 02-1915 lcs 1/5
27)	Sample	2 081026	081022SS 02-1915 lcsd 1/5
28)	Sample	103 081027	BAKE320 rinse
29)	Sample	103 081028	BAKE320 rinse
30)	Sample	103 081029	DFTPP rinse
31)	Sample	103 081030	081022SS rinse
32)	Sample	104 081031	081022SS rinse
33)	Sample	3 081032	081022SS 02-1915 mb 1/5
34)	Sample	4 081033	081022SS 208129-03 1/25
35)	Sample	5 081034	081022SS 208129-04 1/100
36)	Sample	6 081035	081022SS 208118-01 1/150
37)	Sample	7 081036	081022SS 208032-29 1/50

VKC 08.11.22

Injection Log

Data Directory: N:\Proc_GCMS9\08-10-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 081001.D RT		101	1.000	10 Aug 2022 11:51 am
2) 081002.D rinse		103	1.000	10 Aug 2022 12:26 pm
3) 081003.D rinse		103	1.000	10 Aug 2022 12:59 pm
4) 081004.D 50 ng tune 67-39a		102	1.000	10 Aug 2022 1:48 pm
5) 081005.D rinse		103	1.000	10 Aug 2022 2:03 pm
6) 081006.D rinse		103	1.000	10 Aug 2022 2:18 pm
7) 081007.D rinse		103	1.000	10 Aug 2022 2:32 pm
8) 081008.D rinse		104	1.000	10 Aug 2022 2:49 pm
9) 081009.D 0.01 ug/ml 8270 ICAL		111	1.000	10 Aug 2022 3:22 pm
10) 081010.D 0.015 ug/ml 8270 ICA		112	1.000	10 Aug 2022 3:55 pm
11) 081011.D 0.1 ug/ml 8270 ICAL		113	1.000	10 Aug 2022 4:28 pm
12) 081012.D 0.2 ug/ml 8270 ICAL		114	1.000	10 Aug 2022 5:02 pm
13) 081013.D 1 ug/ml 8270 ICAL 67		115	1.000	10 Aug 2022 5:35 pm
14) 081014.D 2 ug/ml 8270 ICAL 67		116	1.000	10 Aug 2022 6:08 pm
15) 081015.D 5 ug/ml 8270 ICAL 67		117	1.000	10 Aug 2022 6:42 pm
16) 081016.D 10 ug/ml 8270 ICAL 6		118	1.000	10 Aug 2022 7:15 pm
17) 081017.D 16 ug/ml 8270 ICAL 6		119	1.000	10 Aug 2022 7:48 pm
18) 081018.D 20 ug/ml 8270 ICAL 6		120	1.000	10 Aug 2022 8:22 pm
19) 081019.D 25 ug/ml 8270 ICAL 6		121	1.000	10 Aug 2022 8:55 pm
20) 081020.D 30 ug/ml 8270 ICAL 6		122	1.000	10 Aug 2022 9:29 pm
21) 081021.D				

rinse		103	1.000	10 Aug 2022	10:02 pm
22) 081022.D rinse		103	1.000	10 Aug 2022	10:35 pm
23) 081023.D 5 ug/ml 8270 SCV 67-		123	1.000	10 Aug 2022	11:09 pm
24) 081024.D 5 ug/ml 8270 CCV 67-		101	1.000	10 Aug 2022	11:42 pm
25) 081025.D 02-1915 lcs 1/5	soil	1	1.000	11 Aug 2022	12:15 am
26) 081026.D 02-1915 lcsd 1/5	soil	2	1.000	11 Aug 2022	12:48 am
27) 081027.D rinse		103	1.000	11 Aug 2022	1:24 am
28) 081028.D rinse		103	1.000	11 Aug 2022	1:56 am
29) 081029.D rinse		103	1.000	11 Aug 2022	2:34 am
30) 081030.D rinse		103	1.000	11 Aug 2022	2:52 am
31) 081031.D rinse		104	1.000	11 Aug 2022	3:25 am
32) 081032.D 02-1915 mb 1/5	soil	3	1.000	11 Aug 2022	3:58 am
33) 081033.D 208129-03 1/25	soil	4	1.000	11 Aug 2022	4:31 am
34) 081034.D 208129-04 1/100	soil	5	1.000	11 Aug 2022	5:04 am
35) 081035.D 208118-01 1/150	soil	6	1.000	11 Aug 2022	5:37 am
36) 081036.D 208032-29 1/50	soil	7	1.000	11 Aug 2022	6:10 am

Sequence Name: C:\msdchem\1\sequence\08-22-22.s
Comment:
Operator: VM
Data Path: D:\GCMS9\GCMS9 DATA\08-22-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

PB 8/23

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

Line		Sample Name/Misc Info
1)	Sample	103 082201 BAKE320 rinse
2)	Sample	103 082202 BAKE320 rinse
3)	Sample	103 082203 DFTPP rinse
4)	Sample	101 082204 081022SS 5 ug/ml 8270 CCV 67-21H
5)	Sample	1 082205 081022SS 02-2017 lcs
6)	Sample	2 082206 081022SS 02-2017 lcsd
7)	Sample	103 082207 DFTPP rinse
8)	Sample	103 082208 DFTPP rinse
9)	Sample	3 082209 081022SS 02-2017 mb
10)	Sample	4 082210 081022SS 02-2017 mb2
11)	Sample	5 082211 081022SS 02-2017 mb3 1/0.5
12)	Sample	6 082212 081022SS 208310-01 1/0.5
13)	Sample	7 082213 081022SS 208276-01
14)	Sample	8 082214 081022SS 208257-01 1/2
15)	Sample	9 082215 081022SS 208257-02 1/2
16)	Sample	10 082216 081022SS 208257-03 1/2
17)	Sample	11 082217 081022SS 208257-04 1/2
18)	Sample	12 082218 081022SS 208257-05 1/2
19)	Sample	103 082219 DFTPP rinse
20)	Sample	16 082220 081022SS 208236-04 rr 1/2
21)	Sample	13 082221 081022SS 208315-01 1/5
22)	Sample	14 082222 081022SS 208315-03 1/5
23)	Sample	15 082223 081022SS 208315-02 1/25

Injection Log

Data Directory: N:\Proc_GCMS9\08-22-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 082201.D rinse		103	1.000	22 Aug 2022 8:30 am
2) 082202.D rinse		103	1.000	22 Aug 2022 9:02 am
3) 082203.D rinse		103	1.000	22 Aug 2022 9:40 am
4) 082204.D 5 ug/ml 8270 CCV 67-		101	1.000	22 Aug 2022 9:56 am
5) 082205.D 02-2017 lcs	water	1	1.000	22 Aug 2022 12:27 pm
6) 082206.D 02-2017 lcsd	water	2	1.000	22 Aug 2022 1:00 pm
7) 082207.D rinse		103	1.000	22 Aug 2022 1:32 pm
8) 082208.D rinse		103	1.000	22 Aug 2022 1:47 pm
9) 082209.D 02-2017 mb	water	3	1.000	22 Aug 2022 2:03 pm
10) 082210.D 022017 mb2	water	4	1.000	22 Aug 2022 2:36 pm
11) 082211.D 02-2017 mb3 1/0.5	water	5	1.000	22 Aug 2022 3:09 pm
12) 082212.D 208310-01 1/0.5	water	6	1.000	22 Aug 2022 3:42 pm
13) 082213.D 208276-01	water	7	1.000	22 Aug 2022 4:16 pm
14) 082214.D 208257-01 1/2	water	8	1.000	22 Aug 2022 4:49 pm
15) 082215.D 208257-02 1/2	water	9	1.000	22 Aug 2022 5:22 pm
16) 082216.D 208257-03 1/2	water	10	1.000	22 Aug 2022 5:55 pm
17) 082217.D 208257-04 1/2	water	11	1.000	22 Aug 2022 6:29 pm
18) 082218.D 208257-05 1/2	water	12	1.000	22 Aug 2022 7:02 pm
19) 082219.D rinse		103	1.000	22 Aug 2022 7:33 pm
20) 082220.D 208236-04 rr 1/2	water	16	1.000	22 Aug 2022 7:50 pm
21) 082221.D				

VM

AUG 23 2022

208315-01 1/5	soil	VM	13	1.000	22 Aug 2022	8:23 pm
22) 082222.D						
208315-03 1/5	soil		14	1.000	22 Aug 2022	8:56 pm
23) 082223.D						
208315-02 1/25	soil		15	1.000	22 Aug 2022	9:29 pm

VM

AUG 23 2022

EPA 8270E
Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 9 Sequence Date: 08/10/22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	DLM	08/11/22
2nd source passed		
Analyte retention time checked		
Tune passed		
Non-Conformance Report filled out (if needed)		

Notes: 30 DROPPED FOR: HEXACHLOROCYCLOPENTADIENE, 2,4-DINITROTOLUENE, 4-NITROANILI

Attach this sheet to raw data package.

YA 08/11/22
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 9 Sequence Date: 08.22.22 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓ VM	08.23.22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	NO	
Matrix spike (MS) analyzed	NA	
RPDs within limits	NO	
Continuing Calibration Analyzed, Evaluated and Passed	✓	
Non-Conformance Report filled out (if needed)	NA ✓	

Notes: cer law for 2,4-DNP

Attach this sheet to raw data package.

VM

AUG 23 2022

YA 08/23/22
Supervisor Initials and Date

EPA 8270E
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : N:\Proc_GCMS9\08-10-22\081004.D
Tune Time : 10 Aug 2022 1:48 pm

Daily Calibration File : N:\Proc_GCMS9\08-10-22\081024.D

(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
				260654	883922	502659

(TBP)	(TPH)	(PHN)	(CRY)	(PRY)
		1037110	767372	673125

File	Sample	Surrogate Recovery %				Internal Standard Responses		
081009.D								
	0.01 ug/ml	0*	0*	0*	0*	224832	745608	401183
		0*	0*			819200	636185	575143
081010.D								
	0.015 ug/m	0*	0*	0*	0*	221935	742774	420937
		0*	0*			858321	744638	630508
081011.D								
	0.1 ug/ml	0*	0*	0*	0*	204825	698963	389348
		0*	0*			839193	718174	614703
081012.D								
	0.2 ug/ml	0*	1*	0*	2*	218817	716524	402893
		0*	0*			789230	650415	583512
081013.D								
	1 ug/ml 82	6*	6*	10*	10*	211982	683034	394276
		6*	9*			816275	706777	620567
081014.D								
	2 ug/ml 82	13	13	20	19*	203118	699819	420177
		12	19*			897677	754817	633312
081015.D								
	5 ug/ml 82	31	33	50	50	224716	699973	396800
		32	49			808298	705973	626507
081016.D								
	10 ug/ml 8	67*	68*	97	101	241934	794617	449884
		70	99			911007	795931	679179
081017.D								
	16 ug/ml 8	110*	110*	160*	164*	240924	797514	448669
		114	159*			923430	811184	681169
081018.D								
	20 ug/ml 8	137*	138*	197*	212*	258993	890001	476349
		141	208*			991559	808218	700514
081019.D								
	25 ug/ml 8	167*	172*	249*	250*	247453	831238	473660
		179*	266*			970021	769311	620398
081020.D								
	30 ug/ml 8	207*	211*	310*	332*	253192	824084	426835
		221*	319*			884815	728354	593551
081023.D								
	5 ug/ml 82	34	33	50	54	263964	883331	481781
		34	53			1023983	866511	704794

(fails) - fails 12hr time check * - fails criteria

GC/MS QA-QC Check Report

Tune File : N:\Proc_GCMS9\08-22-22\082204.D
Tune Time : 22 Aug 2022 9:56 am

Daily Calibration File : N:\Proc_GCMS9\08-22-22\082204.D

(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
				210854	693392	394274

(TBP)	(TPH)	(PHN)	(CRY)	(PRY)
		809238	719293	669814

File	Sample	Surrogate Recovery %				Internal Standard Responses		
082205.D								
	02-2017 lc	25	15	97	90	269989	869391	473106
		93	105			875348	755258	657187
082206.D								
	02-2017 lc	27	15	94	92	267310	832813	459984
		101	105			886479	792713	700029
082209.D								
	02-2017 mb	27	15	97	97	280971	883699	428983
		88	107			782200	626433	547318
082210.D								
	022017 mb2	42	30	93	96	276263	860394	422521
		88	107			747351	617299	514867
082211.D								
	02-2017 mb	38	28	86	79	277923	847459	422745
		82	105			754460	553958	473420
082212.D								
	208310-01	38	25	79	81	268053	882701	486095
		79	96			908638	709122	629597
082213.D								
	208276-01	35	26	75	83	262666	881799	480304
		92	108			850970	654134	538693
082214.D								
	208257-01	50	32	95	79	263012	866279	485506
		92	102			867426	732462	653307
082215.D								
	208257-02	46	30	96	93	266150	870531	458132
		96	112			905796	693460	599689
082216.D								
	208257-03	48	31	95	78	275075	909916	569025
		97	102			1070432	920677	802112
082217.D								
	208257-04	49	32	91	75	274857	941076	593554
		99	100			1115938	989073	938354
082218.D								
	208257-05	52	33	93	84	259188	841193	487969
		97	107			865958	672995	601869
082220.D								
	208236-04	49	31	89	69	294169	957646	586742
		87	93			1044665	912983	809428
082221.D								

	208315-01	75	77	76	81	222360	739543	429927
		78	91			868715	747686	652522
082222.D								
	208315-03	77	83	76	82	224969	791916	463456
		79	94			962238	824715	718449
082223.D								
	208315-02	15*	16*	17	18*	278578	932734	518294
		14	19*			1037669	877184	704650

(fails) - fails 12hr time check * - fails criteria

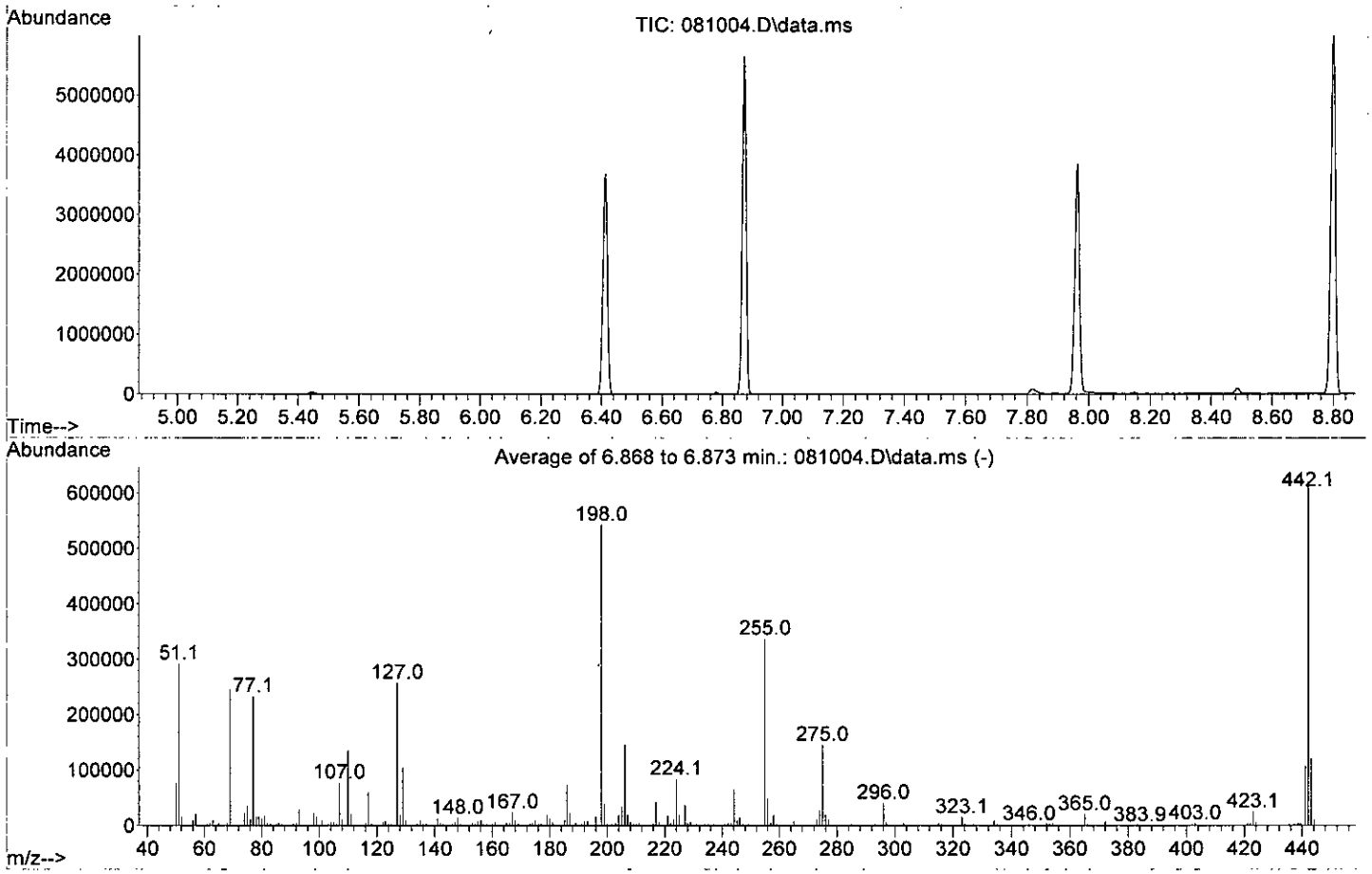
Created: Tue Aug 23 11:16:20 2022 GCMS9

EPA 8270E
Tune Summaries

Data Path : Y:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1

Integration File: rteint.p

Method : Y:\Methods\Inst9\DFTPP8270e.M
Title :
Last Update : Fri Jun 12 15:13:39 2020



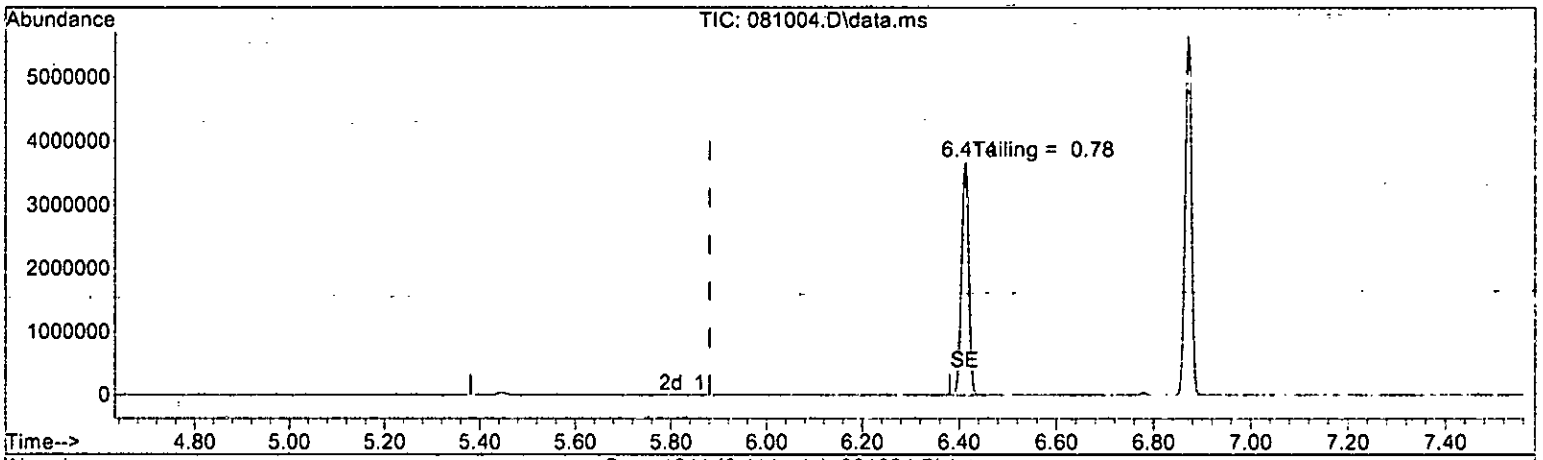
AutoFind: Scans 1500, 1501, 1502; Background Corrected with Scan 1490

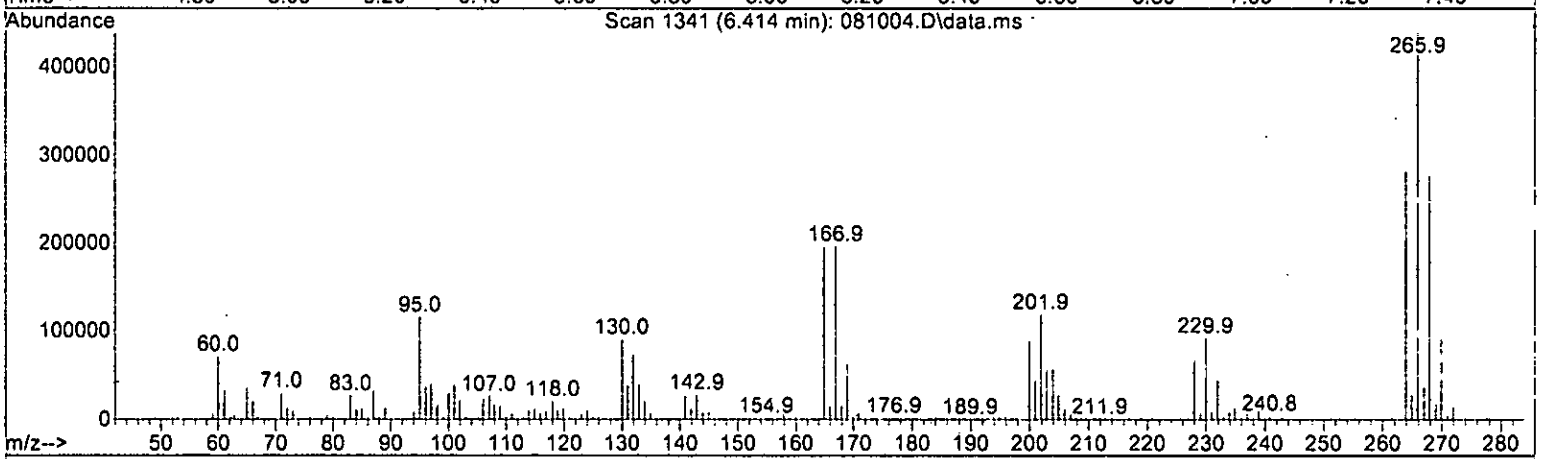
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	4639	PASS
69	442	0.01	100	39.9	245248	PASS
70	69	0.00	2	0.6	1534	PASS
197	198	0.00	2	0.0	0	PASS
198	442	0.01	100	88.2	542976	PASS
199	198	5	9	7.1	38461	PASS
365	442	1	100	3.4	20651	PASS
441	443	0.01	150	89.2	107867	PASS
442	442	0.01	100	100.0	615296	PASS
443	442	15	24	19.7	120936	PASS

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M





TIC: 081004.D\data.ms

(1) Pentachlorophenol

6.414min (+ 0.532) 0.000 m

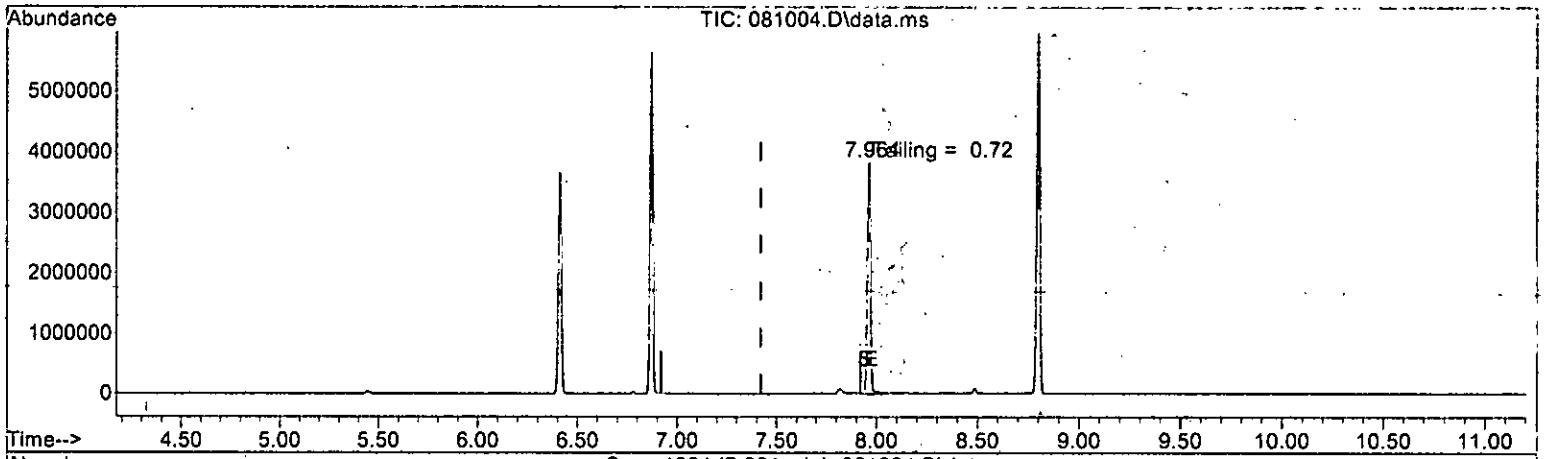
response 3815119

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M



TIC: 081004.D\data.ms

(3) Benzidine

7.964min (+ 0.542) 0.000 m

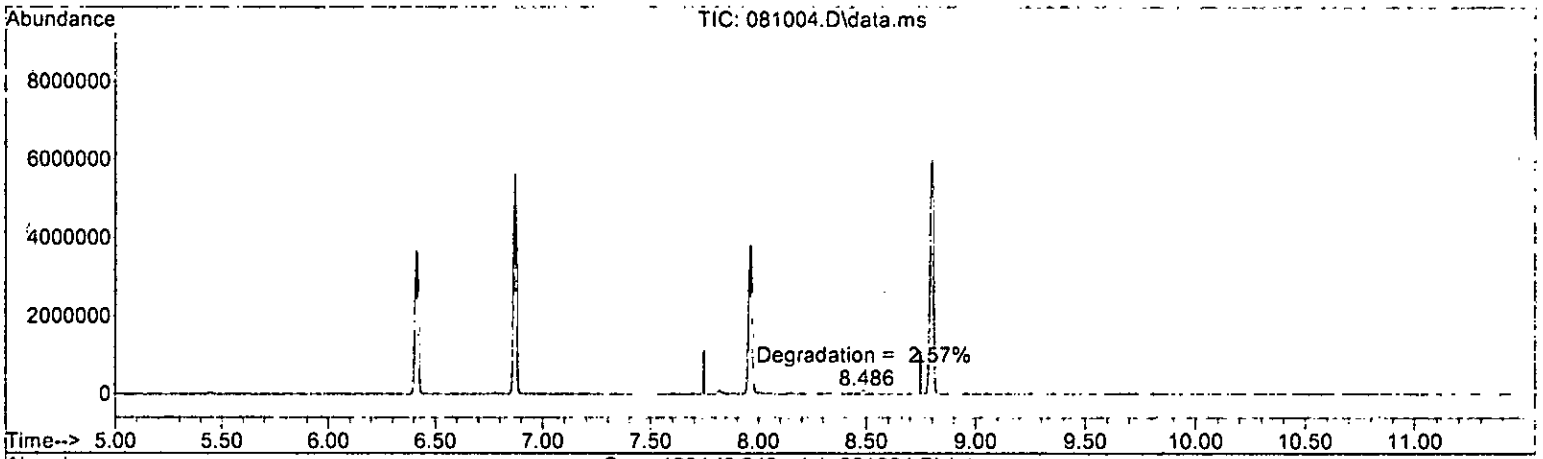
response 4159379

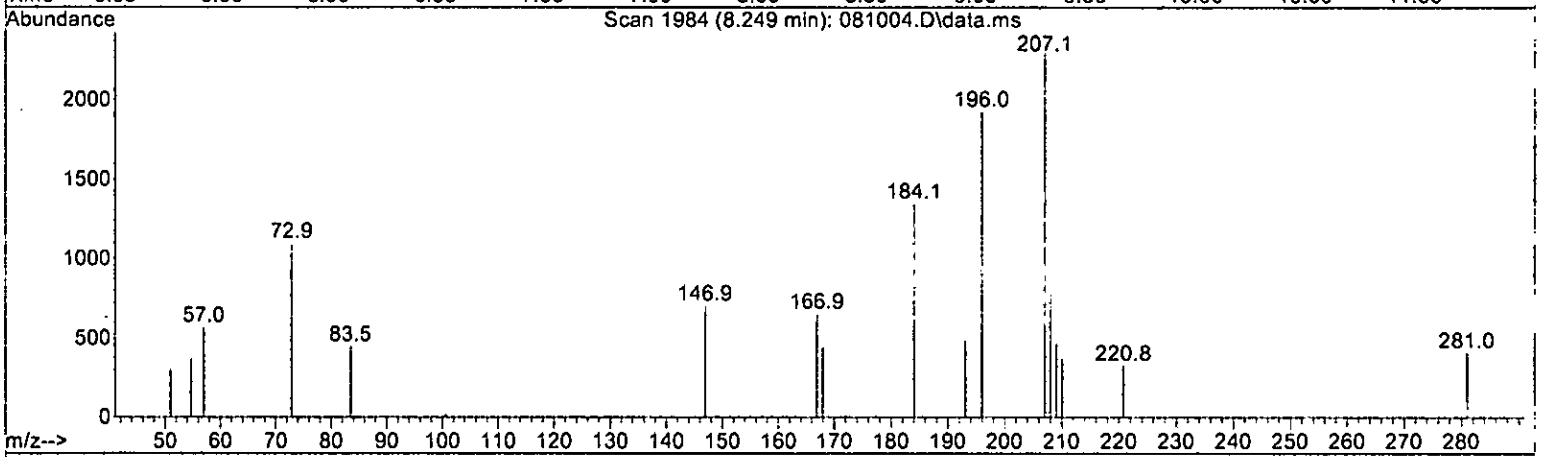
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M





TIC: 081004.D\data.ms

(6) 4,4'-DDT

8.249min (-8.249) 0.000

response 0

Signal	Exp%	Act%
TIC	100.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

EPA 8270E
Initial Calibrations

Response Factor Report GCMS9

Method Path : N:\Methods\Inst9\
Method File : 081022sms.M
Title : Semivolatiles by SW-846 Method 8270E SS
Last Update : Thu Aug 11 09:38:10 2022
Response Via : Initial Calibration

Calibration Files
0.01=081009.D 0.02=081010.D 0.1 =081011.D 0.2 =081012.D 1 =081013.D 2 =081014.D 5 =081015.D
10 =081016.D 16 =081017.D 20 =081018.D 25 =081019.D 30 =081020.D

		Compound	0.01	0.02	0.1	0.2	1	2	5	10	16	20	25	30	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD													
2)	TMP	N-Nitrosodimet...					0.580	0.698	0.633	0.664	0.704	0.661	0.655	0.704	0.662	6.35
3)	S	2-Fluorophenol					0.999	1.068	1.004	1.076	1.100	1.094	1.069	1.101	1.064	3.84
4)	S	Phenol-d6				1.186	1.129	1.290	1.278	1.308	1.322	1.326	1.319	1.352	1.279	5.73
5)	TMP	Phenol				1.544	1.513	1.654	1.560	1.644	1.669	1.691	1.664	1.689	1.625	4.16
6)	TMP	Bis(2-chloroet...				1.275	1.157	1.275	1.179	1.243	1.271	1.292	1.287	1.308	1.254	4.16
7)	TMP	2-Chlorophenol				1.166	1.122	1.183	1.163	1.241	1.235	1.246	1.243	1.287	1.210	4.39
8)	TMP	1,3-Dichlorobe...				1.504	1.284	1.508	1.384	1.412	1.482	1.495	1.455	1.487	1.446	5.12
9)	TMP	1,4-Dichlorobe...			1.481	1.128	1.301	1.494	1.413	1.450	1.471	1.509	1.470	1.493	1.421	8.39
10)	TMP	1,2-Dichlorobe...				1.595	1.293	1.409	1.364	1.368	1.436	1.432	1.399	1.419	1.413	5.76
11)	TMP	Benzyl alcohol					0.691	0.766	0.733	0.762	0.814	0.790	0.792	0.797	0.768	5.21
12)	TMP	2,2'-Oxybis(1-...				3.172	2.858	3.262	2.961	3.114	3.135	3.176	3.109	3.111	3.100	3.90
13)	TMP	2-Methylphenol				0.882	0.950	1.127	1.041	1.053	1.104	1.124	1.089	1.121	1.055	8.14
14)	TMP	Hexachloroethane			0.676	0.557	0.611	0.650	0.582	0.638	0.639	0.641	0.655	0.644	0.629	5.69
15)	TMP	N-Nitroso-di-n...				0.974	0.792	0.886	0.812	0.880	0.891	0.890	0.876	0.877	0.875	5.92
16)	TMP	3-Methylphenol...				1.010	1.000	1.140	1.057	1.096	1.130	1.126	1.121	1.128	1.090	4.97
17)	I	Naphthalene-d8	ISTD													
18)	S	Nitrobenzene-d5					0.414	0.394	0.403	0.390	0.401	0.395	0.399	0.414	0.401	2.25
19)	TMP	Nitrobenzene				0.354	0.389	0.420	0.433	0.421	0.431	0.418	0.419	0.443	0.414	6.55
20)	TMP	Isophorone				0.638	0.613	0.694	0.690	0.701	0.721	0.696	0.724	0.735	0.690	5.81
21)	TMP	2-Nitrophenol					0.157	0.153	0.160	0.178	0.180	0.182	0.185	0.186	0.173	7.82
22)	TMP	2,4-Dimethylph...					0.346	0.383	0.370	0.390	0.393	0.372	0.384	0.397	0.379	4.29
23)	TMP	Benzoic acid							0.125	0.163	0.185	0.193	0.196	0.205	0.178	16.55
24)	TMP	Bis(2-chloroet...				0.472	0.415	0.418	0.431	0.431	0.431	0.430	0.427	0.444	0.433	3.91
25)	TMP	2,4-Dichloroph...					0.285	0.300	0.322	0.335	0.331	0.322	0.324	0.337	0.319	5.65
26)	TMP	1,2,4-Trichlor...			0.404	0.446	0.401	0.385	0.402	0.401	0.393	0.386	0.389	0.395	0.400	4.40
27)	TMP	Naphthalene	1.235	1.222	1.179	1.194	1.157	1.181	1.183	1.175	1.188	1.161	1.173	1.205	1.188	1.95
28)	TMP	Hexachlorobuta...				0.339	0.303	0.300	0.311	0.316	0.307	0.304	0.308	0.324	0.313	3.93
29)	TMP	4-Chloroaniline					0.416	0.415	0.428	0.431	0.441	0.436	0.440	0.458	0.433	3.23
30)	TMP	4-Chloro-3-met...					0.266	0.318	0.316	0.326	0.331	0.325	0.334	0.336	07322	4.97
31)	TMP	2-Methylnaphth...	0.741	0.746	0.757	0.767	0.749	0.773	0.761	0.756	0.768	0.744	0.758	0.759	0.757	1.32
32)	TMP	1-Methylnaphth...	0.698	0.728	0.715	0.734	0.719	0.744	0.730	0.727	0.739	0.717	0.731	0.731	0.726	1.67
33)	I	Acenaphthene-d10	ISTD													
34)	TMP	Hexachlorocycl...				0.430	0.470	0.464	0.568	0.565	0.602	0.631	0.577		0.538	13.61
35)	TMP	2,4,6-Trichlor...					0.377	0.430	0.464	0.495	0.509	0.524	0.495	0.560	0.482	11.86
36)	TMP	2,4,5-Trichlor...					0.437	0.478	0.501	0.498	0.511	0.528	0.520	0.560	0.504	7.18
37)	S	2-Fluorobiphenyl				1.243	1.378	1.323	1.400	1.417	1.444	1.490	1.408	1.554	1.406	6.41
38)	TMP	2-Chloronaphth...				1.252	1.125	1.174	1.208	1.244	1.250	1.294	1.239	1.347	1.237	5.20
39)	TMP	2-Nitroaniline					0.341	0.392	0.414	0.440	0.462	0.475	0.462	0.511	0.437	12.20
40)	TMP	Dimethyl phtha...					1.330	1.300	1.419	1.480	1.514	1.528	1.484	1.601	1.457	6.99
41)	TMP	Acenaphthylene	2.048	2.011	2.042	2.095	2.055	2.076	2.156	2.138	2.183	2.225	2.165	2.302	2.125	4.06
42)	TMP	2,6-Dinitrotol...				0.102	0.199	0.258	0.281	0.301	0.301	0.304	0.300	0.330	0.264	27.05
43)	TMP	3-Nitroaniline					0.441	0.452	0.510	0.526	0.505	0.522	0.494	0.530	0.498	6.78
44)	TMP	Acenaphthene	1.547	1.458	1.507	1.489	1.437	1.432	1.474	1.473	1.507	1.511	1.464	1.562	1.489	2.70
45)	TMP	2,4-Dinitrophenol					0.092	0.103	0.138	0.174	0.183	0.194	0.188	0.203	0.159	26.89
46)	TMP	Dibenzofuran	2.172	2.101	2.114	2.461	2.377	2.360	2.416	2.403	2.434	2.427	2.372	2.512	2.346	5.88
47)	TMP	2,4-Dinitrotol...				0.264	0.371	0.353	0.375	0.391	0.401	0.417	0.413		0.373	13.22
48)	TMP	4-Nitrophenol					0.261	0.232	0.266	0.313	0.329	0.329	0.315	0.329	0.297	12.80
49)	TMP	Diethyl phthalate					1.318	1.446	1.521	1.519	1.605	1.577	1.589	1.642	1.527	6.81
50)	TMP	Fluorene	1.510	1.499	1.516	1.475	1.483	1.501	1.551	1.540	1.587	1.585	1.554	1.629	1.536	3.07
51)	TMP	4-Chlorophenyl...				0.617	0.669	0.744	0.781	0.756	0.768	0.794	0.767	0.827	0.747	8.69
52)	TMP	1,2-Diphenylhy...				1.196	1.302	1.278	1.327	1.371	1.419	1.423	1.415	1.469	1.356	6.41
53)	S	2,4,6-Tribromo...					0.242	0.255	0.280	0.307	0.312	0.309	0.314	0.324	0.293	10.39
54)	I	Phenanthrene-d10	ISTD													
55)	TMP	N-Nitrosodiphe...				0.574	0.498	0.512	0.568	0.558	0.579	0.574	0.570	0.603	0.560	6.01
56)	TMP	4-Nitroaniline						0.106	0.086	0.085	0.085	0.087	0.075		0.087	11.62
57)	TMP	4,6-Dinitro-2-...					0.064	0.070	0.101	0.106	0.116	0.115	0.115	0.118	0.101	21.30
58)	TMP	4-Bromophenyl ...				0.225	0.242	0.226	0.247	0.249	0.250	0.243	0.239	0.255	0.242	4.28
59)	TMP	Hexachlorobenzene				0.276	0.298	0.260	0.307	0.300	0.305	0.298	0.291	0.298	0.293	5.17
60)	TMP	Pentachlorophenol					0.160	0.170	0.201	0.214	0.223	0.220	0.229	0.239	0.207	13.69
61)	TMP	Phenanthrene	1.147	1.192	1.195	1.211	1.170	1.154	1.235	1.225	1.221	1.210	1.207	1.259	1.202	2.73
62)	TMP	Anthracene	1.053	1.123	1.132	1.147	1.139	1.143	1.224	1.243	1.245	1.229	1.212	1.237	1.177	5.29
63)	TMP	Carbazole				0.871	0.928	0.969	0.944	0.873	0.884	0.893	0.846	0.903	0.901	4.36
64)	TMP	Di-n-butyl pht...					1.021	1.037	1.549	1.349	1.373	1.401	1.309	1.270	1.289	13.98
65)	TMP	Fluoranthene	1.237	1.305	1.289	1.301	1.338	1.344	1.433	1.434	1.448	1.411	1.416	1.445	1.367	5.32
66)	I	Chrysene-d12	ISTD													
67)	TMP	Benzidine					0.451	0.451	0.420	0.428	0.438	0.499	0.485	0.506	0.460	7.16
68)	TMP	Pyrene	1.631	1.564	1.546	1.632	1.591	1.663	1.695	1.690	1.691	1.771	1.820	1.792	1.674	5.25
69)	S	Terphenyl-d14					0.970	1.031	1.045	1.055	1.063	1.111	1.136	1.136	1.068	5.35
70)	TMP	Benzyl butyl p...					0.439	0.488	0.538	0.547	0.562	0.586	0.609	0.682	0.556	13.30
71)	TMP	3,3'-Dichlorob...					0.358	0.371	0.315	0.301	0.297	0.290	0.262	0.284	0.310	11.99
72)	TMP	Benz(a)anthracene		3.011	1.612	1.522	1.383	1.451	1.469	1.496	1.501	1.520	1.519	1.524	1.637	28.05
73)	TMP	Chrysene	1.363	1.352	1.368	1.420	1.361	1.413	1.414	1.415	1.426	1.435	1.438	1.428	1.403	2.29
74)	TMP	Bis(2-ethylhex...					0.587	0.695	0.754	0.829	0.835	0.863	0.874	0.857	0.787	12.89
75)	I	Perylene-d12	ISTD													
76)	TMP	Di-n-octyl pht...							1.066	1.172	1.256	1.420	1.514	1.487	1.718	1.751	1.423	17.32
77)	TMP	Benzo(a)pyrene	1.142	1.125	1.120	1.115	1.150	1.219	1.240	1.265	1.328	1.314	1.315	1.346	1.223	7.35
78)	TMP	Benzo(b)fluora...	1.420	1.397	1.427	1.418	1.420	1.512	1.495	1.542	1.582	1.579	1.587	1.644	1.502	5.63
79)	TMP	Benzo(k)fluora...	1.324	1.310	1.307	1.334	1.374	1.462	1.492	1.485	1.584	1.525	1.557	1.562	1.443	7.39
80)	TMP	Indeno(1,2,3-c...	0.982	0.855	0.927	0.867	0.998	1.071	1.022	0.990	1.072	1.114	1.073	1.096	1.006	8.60
81)	TMP	Dibenz(a,h)ant...	1.011	0.838	0.886	0.828	0.983	1.069	1.024	1.014	1.069	1.138	1.085	1.114	1.005	10.33
82)	TMP	Benzo(g,h,i)pe...	1.123	0.945	0.991	0.942	1.062	1.133	1.063	1.013	1.055	1.118	1.070	1.087	1.050	6.18

(#) = Out of Range

GC/MS QA-QC Check Report

Tune File : N:\Proc_GCMS9\08-10-22\081004.D
Tune Time : 10 Aug 2022 1:48 pm

Daily Calibration File : N:\Proc_GCMS9\08-10-22\081024.D

(2FP)	(PHL)	(NBZ)	(FBP)	(DCB)	(NPT)	(ANT)
				260654	883922	502659

(TBP)	(TPH)	(PHN)	(CRY)	(PRY)
		1037110	767372	673125

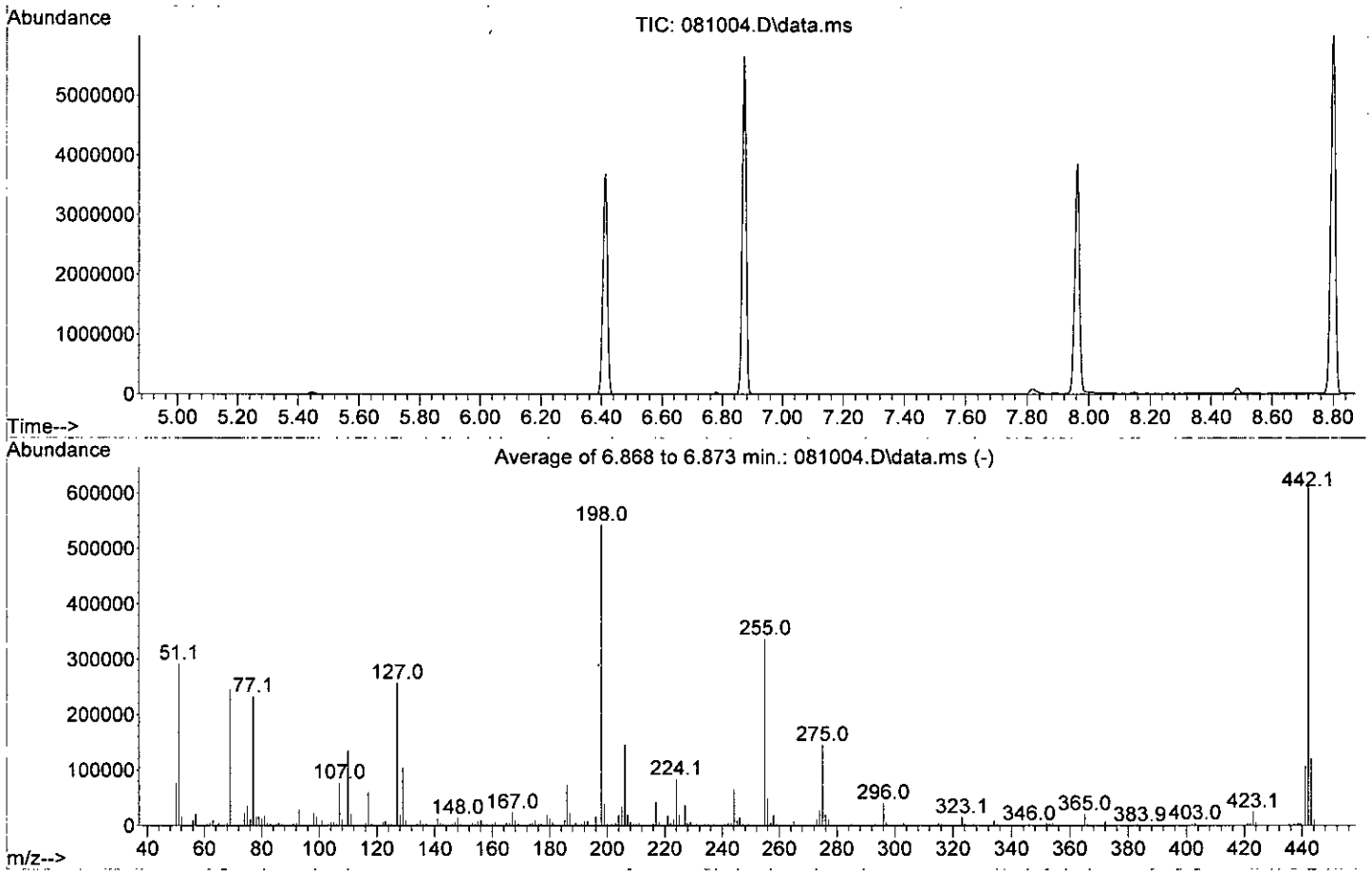
File	Sample	Surrogate Recovery %				Internal Standard Responses		
081009.D								
	0.01 ug/ml	0*	0*	0*	0*	224832	745608	401183
		0*	0*			819200	636185	575143
081010.D								
	0.015 ug/m	0*	0*	0*	0*	221935	742774	420937
		0*	0*			858321	744638	630508
081011.D								
	0.1 ug/ml	0*	0*	0*	0*	204825	698963	389348
		0*	0*			839193	718174	614703
081012.D								
	0.2 ug/ml	0*	1*	0*	2*	218817	716524	402893
		0*	0*			789230	650415	583512
081013.D								
	1 ug/ml 82	6*	6*	10*	10*	211982	683034	394276
		6*	9*			816275	706777	620567
081014.D								
	2 ug/ml 82	13	13	20	19*	203118	699819	420177
		12	19*			897677	754817	633312
081015.D								
	5 ug/ml 82	31	33	50	50	224716	699973	396800
		32	49			808298	705973	626507
081016.D								
	10 ug/ml 8	67*	68*	97	101	241934	794617	449884
		70	99			911007	795931	679179
081017.D								
	16 ug/ml 8	110*	110*	160*	164*	240924	797514	448669
		114	159*			923430	811184	681169
081018.D								
	20 ug/ml 8	137*	138*	197*	212*	258993	890001	476349
		141	208*			991559	808218	700514
081019.D								
	25 ug/ml 8	167*	172*	249*	250*	247453	831238	473660
		179*	266*			970021	769311	620398
081020.D								
	30 ug/ml 8	207*	211*	310*	332*	253192	824084	426835
		221*	319*			884815	728354	593551
081023.D								
	5 ug/ml 82	34	33	50	54	263964	883331	481781
		34	53			1023983	866511	704794

(fails) - fails 12hr time check * - fails criteria

Data Path : Y:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1

Integration File: rteint.p

Method : Y:\Methods\Inst9\DFTPP8270e.M
Title :
Last Update : Fri Jun 12 15:13:39 2020



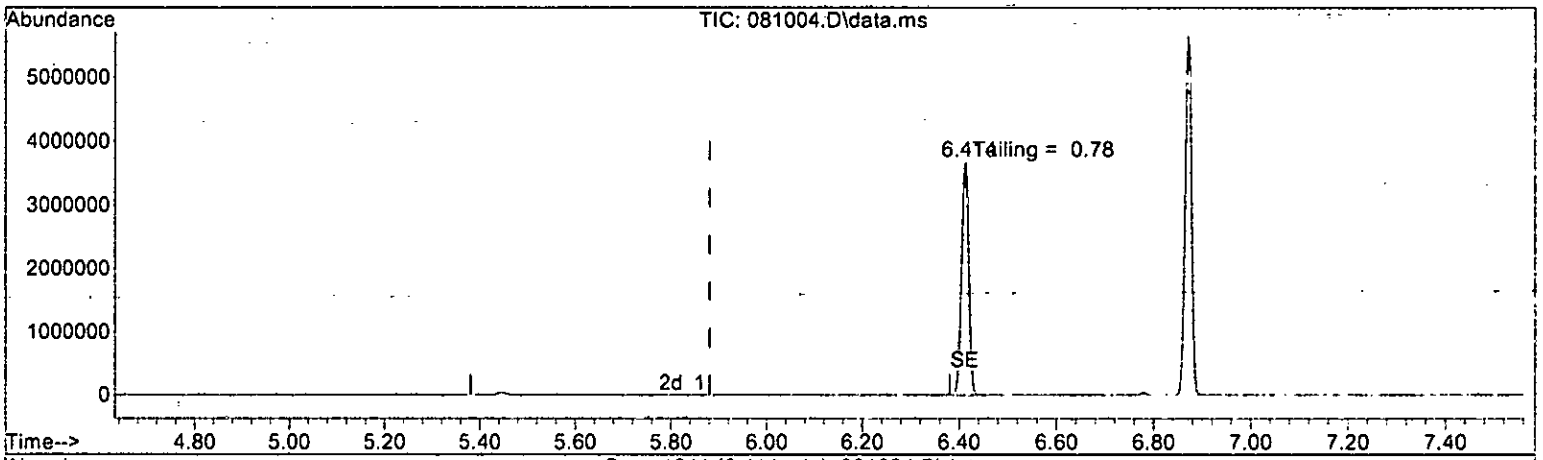
AutoFind: Scans 1500, 1501, 1502; Background Corrected with Scan 1490

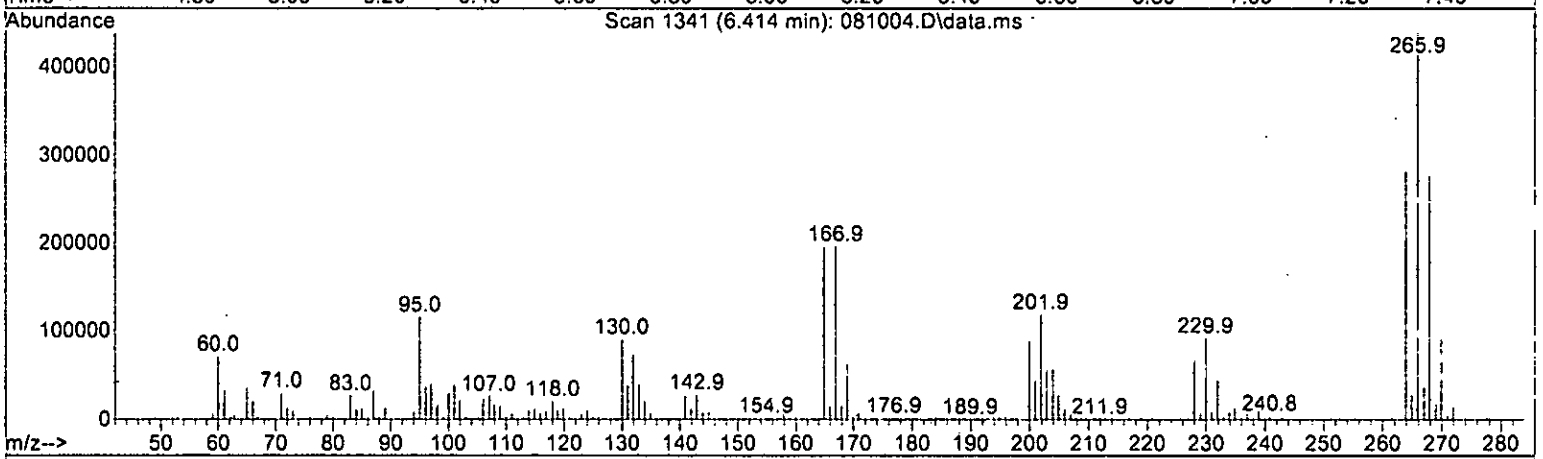
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	4639	PASS
69	442	0.01	100	39.9	245248	PASS
70	69	0.00	2	0.6	1534	PASS
197	198	0.00	2	0.0	0	PASS
198	442	0.01	100	88.2	542976	PASS
199	198	5	9	7.1	38461	PASS
365	442	1	100	3.4	20651	PASS
441	443	0.01	150	89.2	107867	PASS
442	442	0.01	100	100.0	615296	PASS
443	442	15	24	19.7	120936	PASS

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M





TIC: 081004.D\data.ms

(1) Pentachlorophenol

6.414min (+ 0.532) 0.000 m

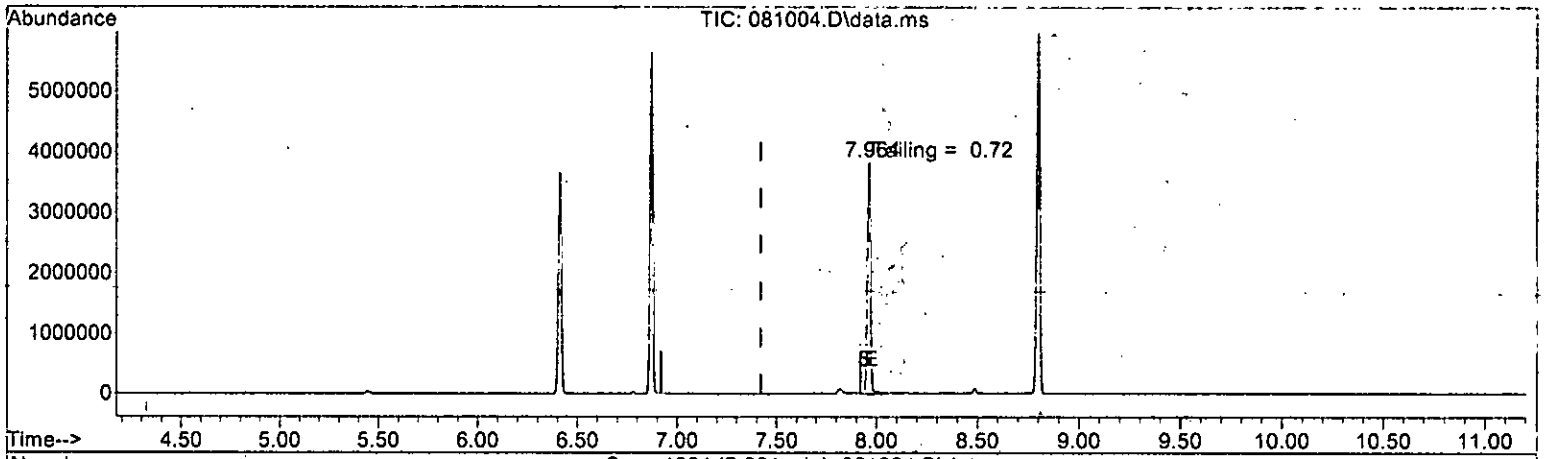
response 3815119

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M



TIC: 081004.D\data.ms

(3) Benzidine

7.964min (+ 0.542) 0.000 m

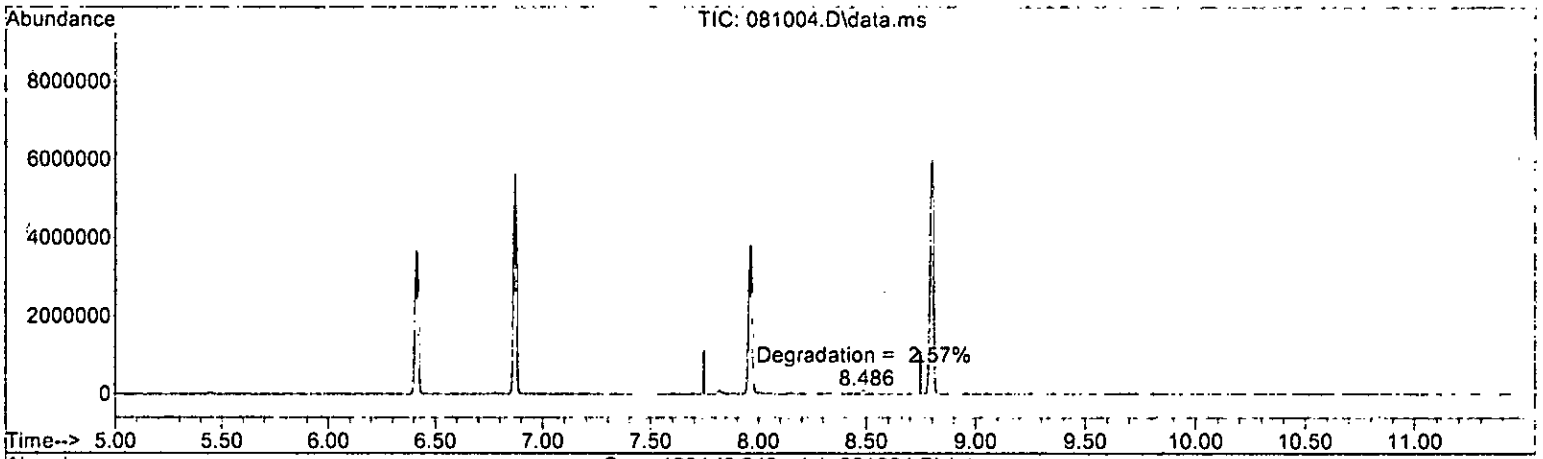
response 4159379

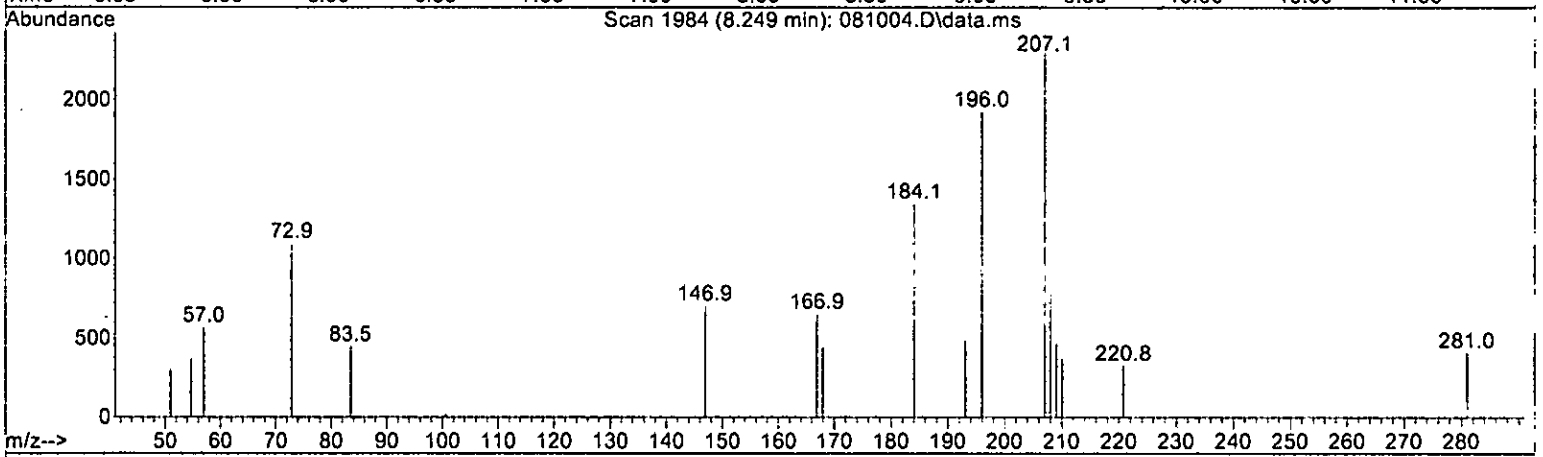
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081004.D
Acq On : 10 Aug 2022 1:48 pm
Operator : VM
Sample : 50 ng tune 67-39a
Misc :
ALS Vial : 102 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:19:47 2022
Quant Method : N:\Methods\Inst9\DFTPP.M
Quant Title :
QLast Update : Thu Jul 21 09:45:01 2022
Response via : Initial Calibration
DataAcq Meth:DFTPP20.M





TIC: 081004.D\data.ms

(6) 4,4'-DDT

8.249min (-8.249) 0.000

response 0

Signal	Exp%	Act%
TIC	100.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Compound List Report GCMS9

Method Path : N:\Methods\Inst9\
Method File : 081022sms.M
Title : Semivolatiles by SW-846 Method 8270E SS
Last Update : Thu Aug 11 09:38:10 2022
Response Via : Initial Calibration

Total Cpnds : 82

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dichlorobenzene-d4	152	5.57	1.000	A	1	A	B
2	T	N-Nitrosodimethylamine	74	3.11	0.559	A	2	A	B
3	S	2-Fluorophenol	112	4.22	0.758	A	1	A	B
4	S	Phenol-d6	99	5.13	0.921	A	2	A	B
5	T	Phenol	-94	5.15	0.924	A	2	A	B
6	T	Bis(2-chloroethyl) ether	63	5.27	0.946	A	2	A	B
7	T	2-Chlorophenol	128	5.34	0.958	A	2	A	B
8	T	1,3-Dichlorobenzene	146	5.51	0.989	A	2	A	B
9	T	1,4-Dichlorobenzene	146	5.58	1.003	A	2	A	B
10	T	1,2-Dichlorobenzene	146	5.75	1.033	A	2	A	B
11	T	Benzyl alcohol	108	5.71	1.024	A	2	A	B
12	T	2,2'-Oxybis(1-chloropropane)	45	5.87	1.054	A	2	A	B
13	T	2-Methylphenol	108	5.82	1.045	A	3	A	B
14	T	Hexachloroethane	117	6.14	1.103	A	2	A	B
15	T	N-Nitroso-di-n-propylamine	70	6.02	1.080	A	3	A	B
16	T	3-Methylphenol + 4-Methylph...	108	6.00	1.076	A	3	A	B
17	I	Naphthalene-d8	136	7.15	1.000	A	1	A	B
18	S	Nitrobenzene-d5	82	6.20	0.867	A	2	A	B
19	T	Nitrobenzene	77	6.22	0.870	A	2	A	B
20	T	Isophorone	82	6.52	0.912	A	2	A	B
21	T	2-Nitrophenol	139	6.63	0.927	A	2	A	B
22	T	2,4-Dimethylphenol	107	6.67	0.932	A	2	A	B
23	T	Benzoic acid	122	6.73	0.941	Q	2	A	B
24	T	Bis(2-chloroethoxy)methane	93	6.81	0.952	A	2	A	B
25	T	2,4-Dichlorophenol	162	6.94	0.970	A	2	A	B
26	T	1,2,4-Trichlorobenzene	180	7.07	0.988	A	2	A	B
27	T	Naphthalene	-128	7.18	1.004	A	2	A	B
28	T	Hexachlorobutadiene	225	7.37	1.030	A	2	A	B
29	T	4-Chloroaniline	127	7.26	1.015	A	3	A	B
30	T	4-Chloro-3-methylphenol	107	8.00	1.119	A	2	A	B
31	T	2-Methylnaphthalene	-142	8.27	1.157	A	1	A	B
32	T	1-Methylnaphthalene	-142	8.44	1.180	A	1	A	B
33	I	Acenaphthene-d10	164	10.22	1.000	A	2	A	B
34	T	Hexachlorocyclopentadiene	237	8.54	0.836	A	2	A	B
35	T	2,4,6-Trichlorophenol	196	8.76	0.857	A	2	A	B
36	T	2,4,5-Trichlorophenol	196	8.81	0.862	A	2	A	B
37	S	2-Fluorobiphenyl	172	8.93	0.874	A	1	A	B
38	T	2-Chloronaphthalene	162	9.14	0.894	A	2	A	B
39	T	2-Nitroaniline	65	9.33	0.913	A	2	A	B
40	T	Dimethyl phthalate	163	9.74	0.952	A	2	A	B
41	T	Acenaphthylene	-152	9.93	0.972	A	2	A	B
42	T	2,6-Dinitrotoluene	165	9.83	0.962	Q	2	A	B
43	T	3-Nitroaniline	65	10.15	0.993	A	2	A	B
44	T	Acenaphthene	-153	10.28	1.006	A	2	A	B
45	T	2,4-Dinitrophenol	184	10.37	1.014	Q	2	A	B
46	T	Dibenzofuran	-168	10.66	1.043	A	1	A	B
47	T	2,4-Dinitrotoluene	165	10.66	1.043	A	2	A	B
48	T	4-Nitrophenol	65	10.51	1.028	Q	2	A	B
49	T	Diethyl phthalate	149	11.23	1.099	A	2	A	B
50	T	Fluorene	-166	11.39	1.114	A	2	A	B
51	T	4-Chlorophenyl phenyl ether	204	11.43	1.119	A	2	A	B
52	T	1,2-Diphenylhydrazine	77	11.78	1.153	A	2	A	B
53	S	2,4,6-Tribromophenol	330	11.91	1.165	A	2	A	B

54	I	Phenanthrene-d10	188	13.50	1.000	A	1	A	B
55	T	N-Nitrosodiphenylamine	169	11.70	0.867	A	2	A	B
56	T	4-Nitroaniline	138	11.44	0.848	A	2	A	B
57	T	4,6-Dinitro-2-methylphenol	198	11.52	0.854	Q	2	A	B
58	T	4-Bromophenyl phenyl ether	248	12.53	0.928	A	2	A	B
59	T	Hexachlorobenzene	284	12.60	0.934	A	2	A	B
60	T	Pentachlorophenol	-266	13.06	0.968	A	2	A	B
61	T	Phenanthrene	-178	13.54	1.004	A	2	A	B
62	T	Anthracene	-178	13.65	1.012	A	2	A	B
63	T	Carbazole	-167	14.07	1.043	A	2	A	B
64	T	Di-n-butyl phthalate	149	15.07	1.116	A	2	A	B
65	T	Fluoranthene	-202	16.35	1.211	A	2	A	B
66	I	Chrysene-d12	240	19.81	1.000	A	2	A	B
67	T	Benzidine	184	16.77	0.846	A	2	A	B
68	T	Pyrene	-202	16.87	0.852	A	2	A	B
69	S	Terphenyl-d14	244	17.38	0.877	A	2	A	B
70	T	Benzyl butyl phthalate	149	18.66	0.942	A	2	A	B
71	T	3,3'-Dichlorobenzidine	252	19.82	1.000	A	2	A	B
72	T	Benz(a)anthracene	-228	19.79	0.999	Q	2	A	B
73	T	Chrysene	-228	19.87	1.003	A	2	A	B
74	T	Bis(2-ethylhexyl) phthalate	149	20.14	1.017	A	2	A	B
75	I	Perylene-d12	264	22.98	1.000	A	2	A	B
76	T	Di-n-octyl phthalate	149	21.64	0.941	Q	2	A	B
77	T	Benzo(a)pyrene	-252	22.86	0.995	A	2	A	B
78	T	Benzo(b)fluoranthene	-252	22.20	0.966	A	2	A	B
79	T	Benzo(k)fluoranthene	-252	22.27	0.969	A	2	A	B
80	T	Indeno(1,2,3-cd)pyrene	-276	25.01	1.088	A	2	A	B
81	T	Dibenz(a,h)anthracene	-278	25.07	1.091	A	2	A	B
82	T	Benzo(g,h,i)perylene	-276	25.52	1.110	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

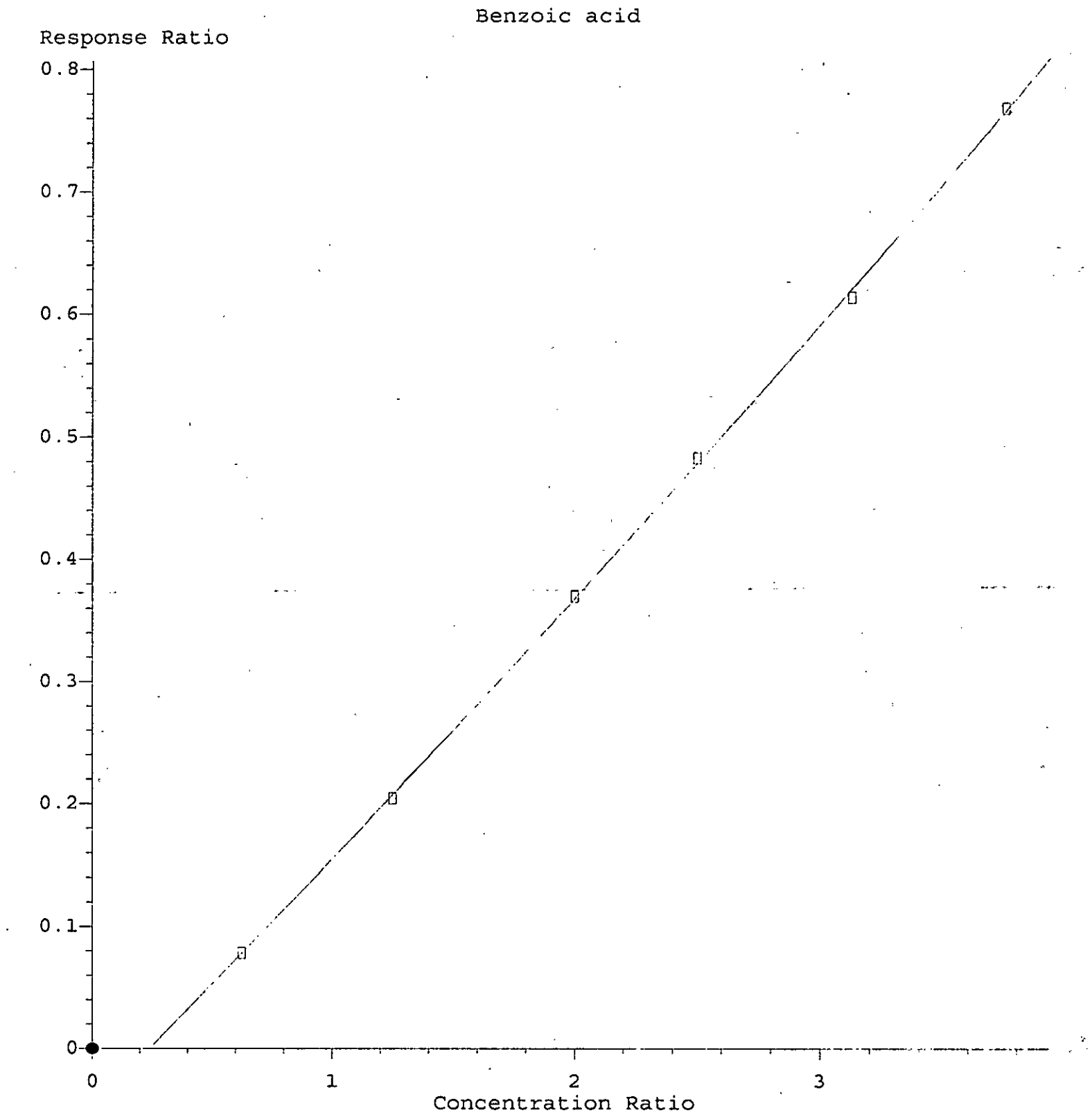
081022sms.M Thu Aug 11 12:19:49 2022

Calibration Status Report GCMS9

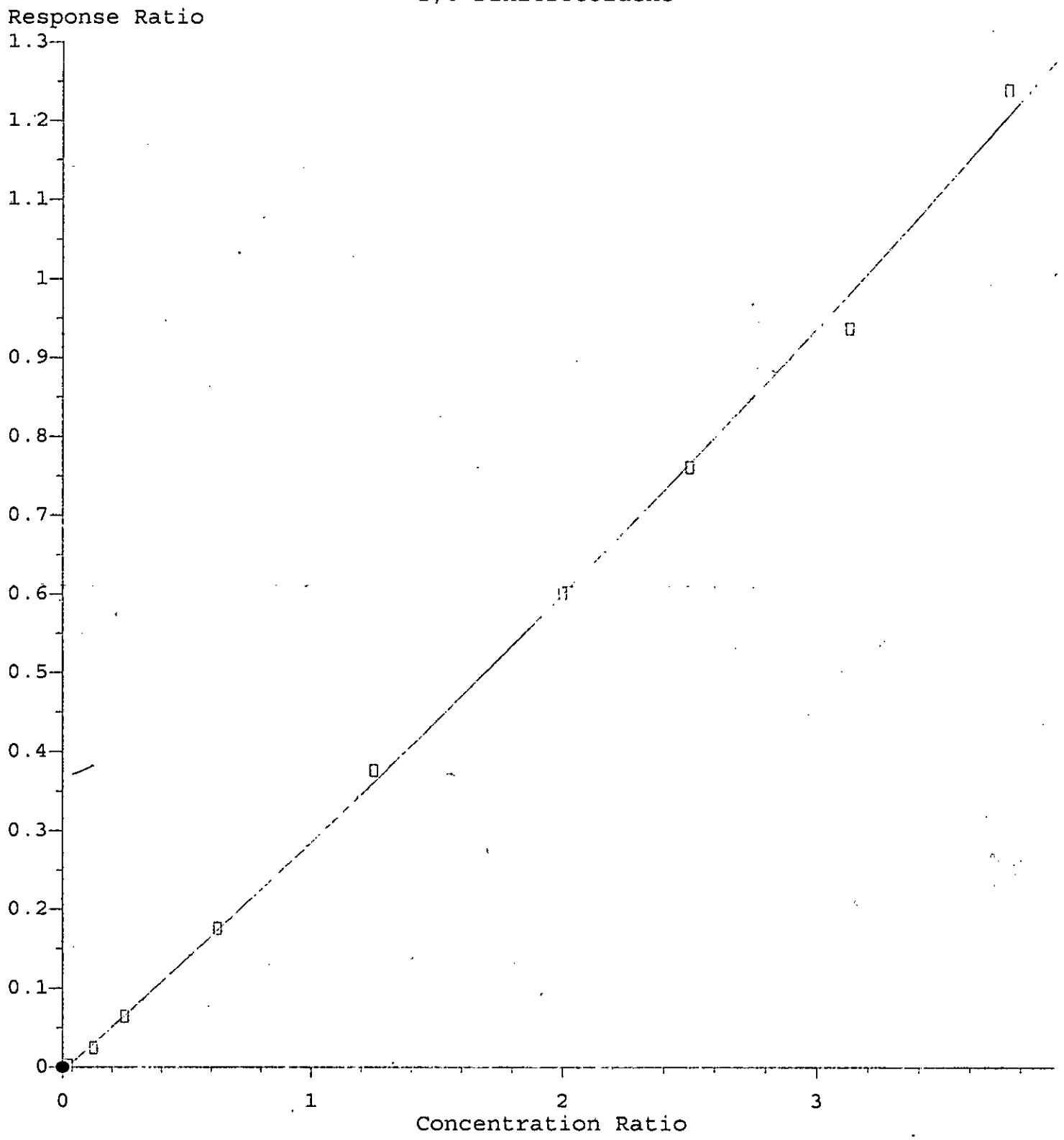
Method Path : N:\Methods\Inst9\
Method File : 081022sms.M
Title : Semivolatiles by SW-846 Method 8270E SS
Last Update : Thu Aug 11 09:38:10 2022
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.01	0	8	N:\Proc_GCMS9\08-10-22\081009.D
2	0.02	0	8	N:\Proc_GCMS9\08-10-22\081010.D
3	0.1	0	8	N:\Proc_GCMS9\08-10-22\081011.D
4	0.2	0	8	N:\Proc_GCMS9\08-10-22\081012.D
5	1	1	8	N:\Proc_GCMS9\08-10-22\081013.D
6	2	2	8	N:\Proc_GCMS9\08-10-22\081014.D
7	5	5	8	N:\Proc_GCMS9\08-10-22\081015.D
8	10	10	8	N:\Proc_GCMS9\08-10-22\081016.D
9	16	16	8	N:\Proc_GCMS9\08-10-22\081017.D
10	20	20	8	N:\Proc_GCMS9\08-10-22\081018.D
11	25	25	8	N:\Proc_GCMS9\08-10-22\081019.D
12	30	30	8	N:\Proc_GCMS9\08-10-22\081020.D

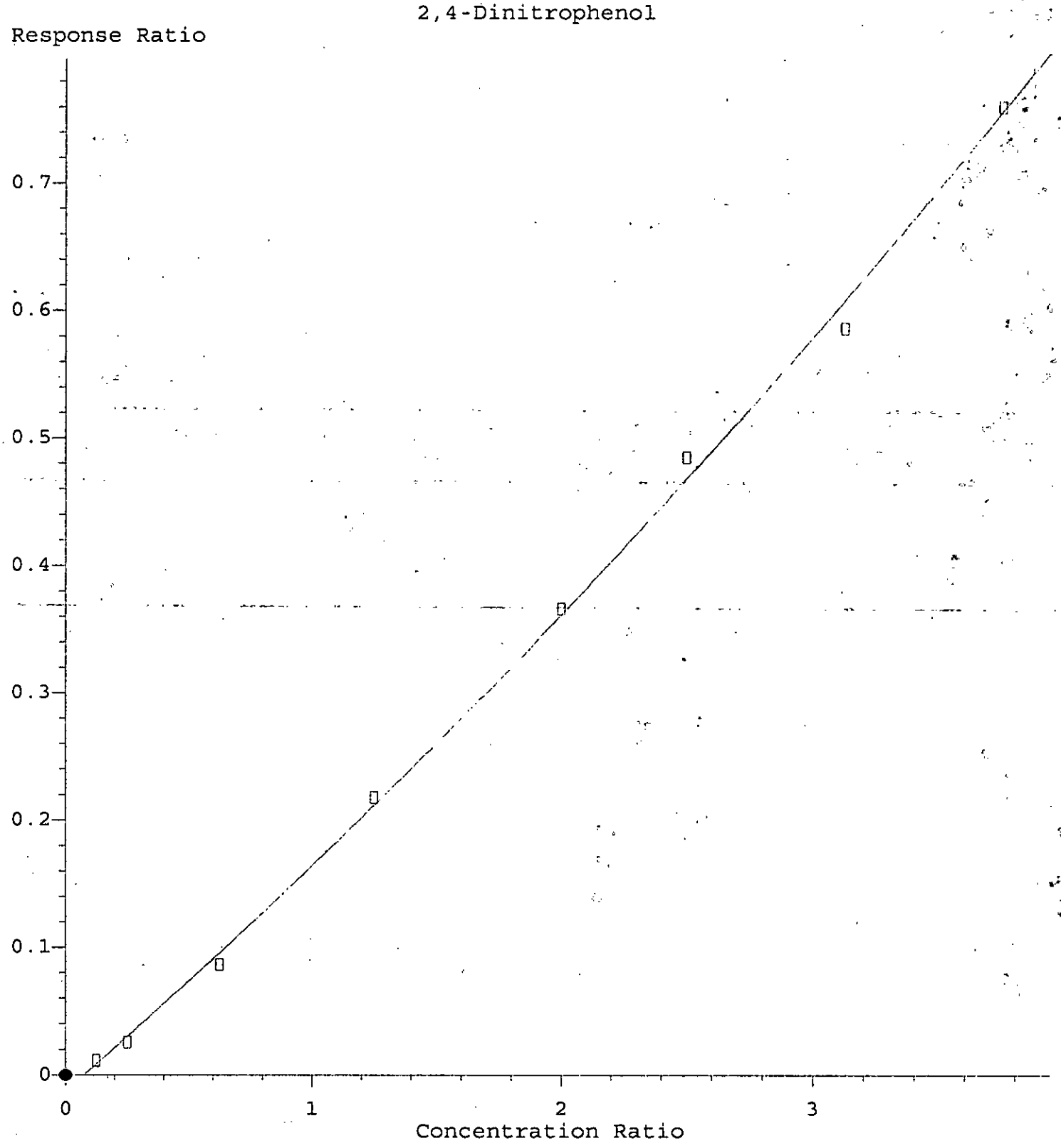
#	ID	Update Time	Quant Time	Acquisition Time
1	0.01	Aug 11 09:32 2022	Aug 11 09:23 2022	10 Aug 2022 3:22 pm
2	0.02	Aug 11 09:32 2022	Aug 11 09:24 2022	10 Aug 2022 3:55 pm
3	0.1	Aug 11 09:32 2022	Aug 11 09:25 2022	10 Aug 2022 4:28 pm
4	0.2	Aug 11 09:32 2022	Aug 11 09:26 2022	10 Aug 2022 5:02 pm
5	1	Aug 11 09:32 2022	Aug 11 09:31 2022	10 Aug 2022 5:35 pm
6	2	Aug 11 09:32 2022	Aug 11 09:31 2022	10 Aug 2022 6:08 pm
7	5	Aug 11 09:32 2022	Aug 11 09:30 2022	10 Aug 2022 6:42 pm
8	10	Aug 11 09:32 2022	Aug 11 09:30 2022	10 Aug 2022 7:15 pm
9	16	Aug 11 09:32 2022	Aug 11 09:32 2022	10 Aug 2022 7:48 pm
10	20	Aug 11 09:32 2022	Aug 11 09:33 2022	10 Aug 2022 8:22 pm
11	25	Aug 11 09:32 2022	Aug 11 09:33 2022	10 Aug 2022 8:55 pm
12	30	Aug 11 09:32 2022	Aug 11 09:35 2022	10 Aug 2022 9:29 pm



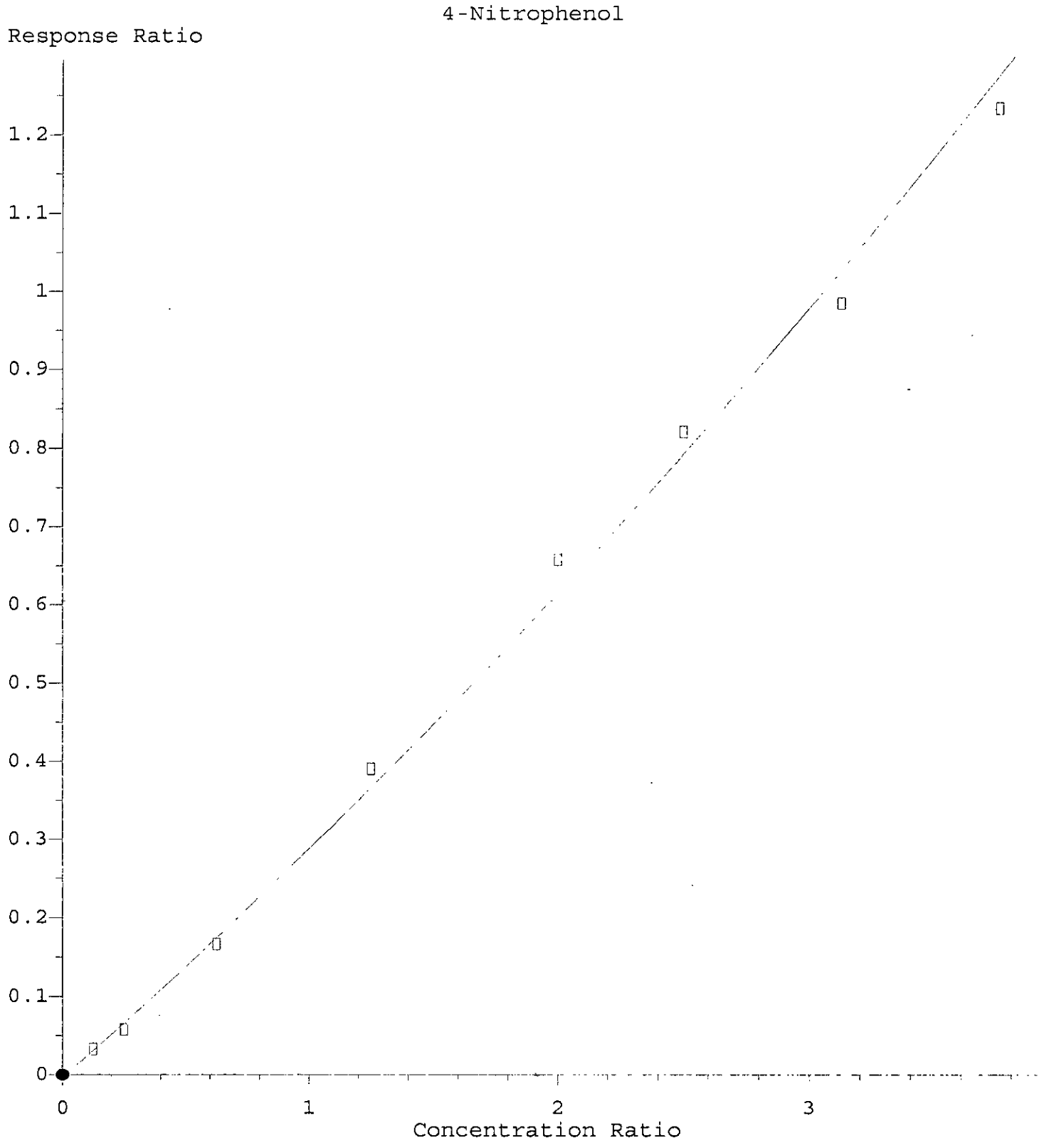
R = 5.37e-003 A*A + 1.97e-001 A - 4.75e-002
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022



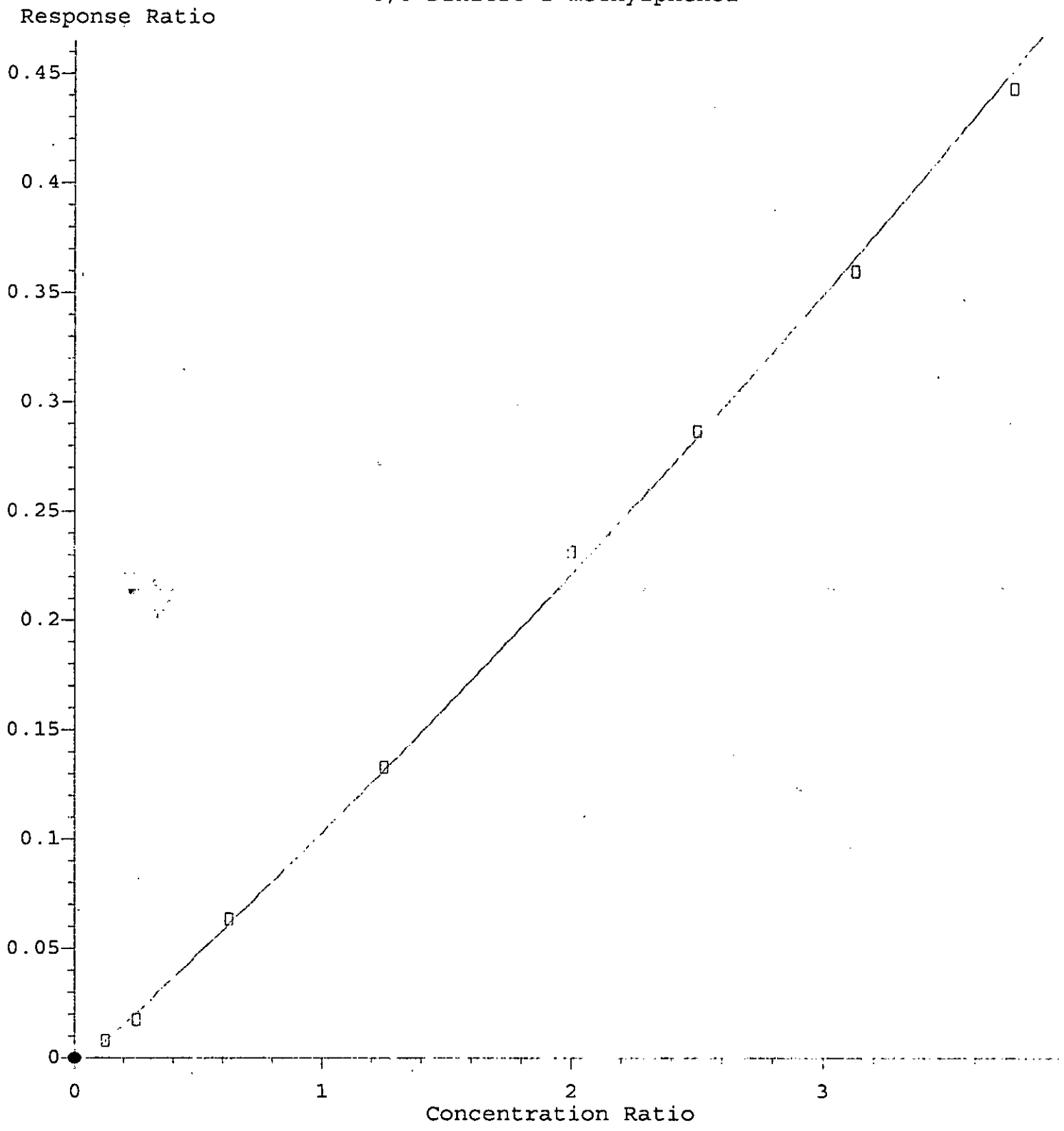
R = 1.20e-002 A*A + 2.78e-001 A - 5.19e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022



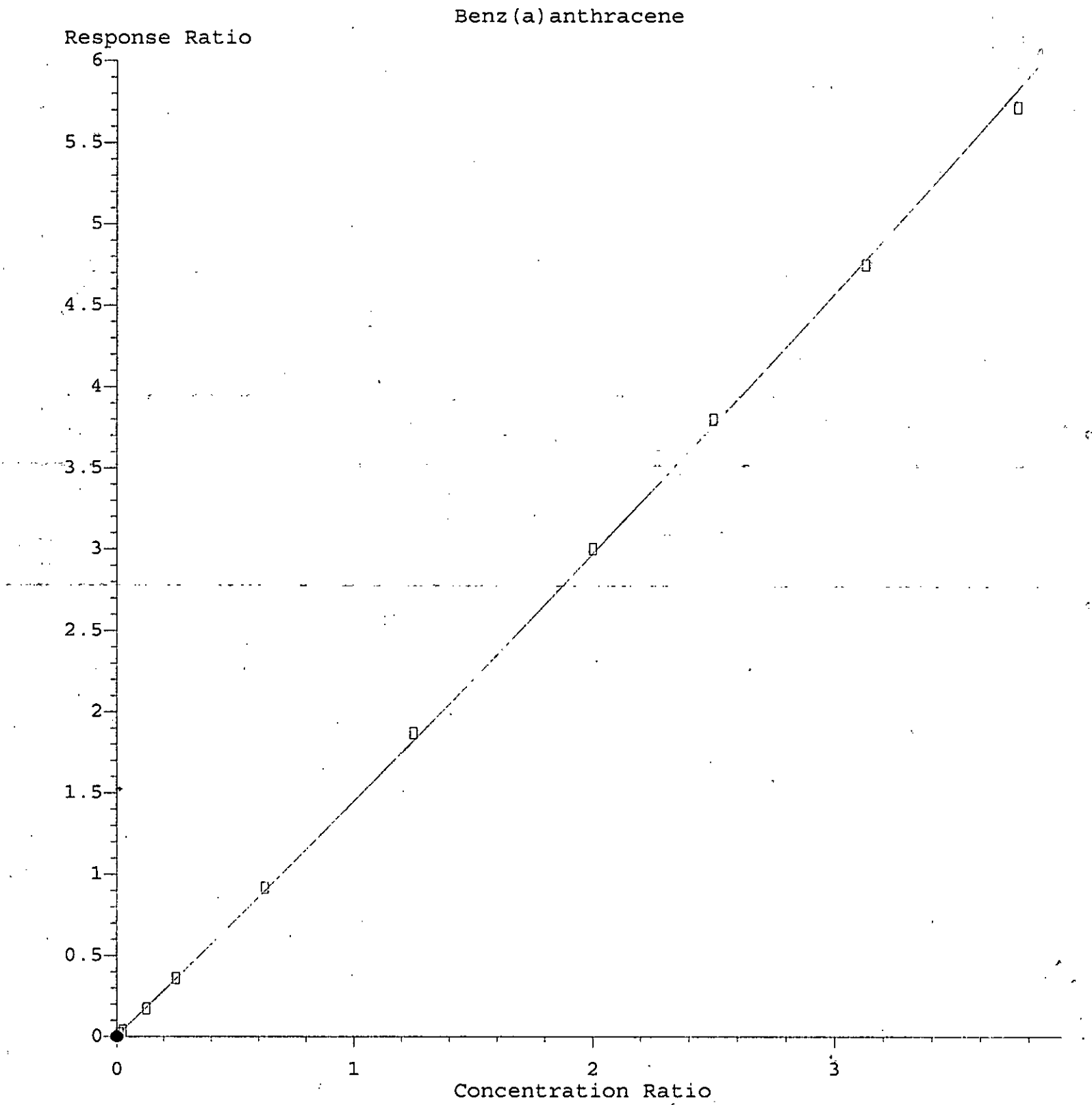
R = 1.04e-002 A*A + 1.66e-001 A - 1.23e-002
Coef of Det (r^2) = 0.998 Curve Fit: Quadratic w(1/a)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022



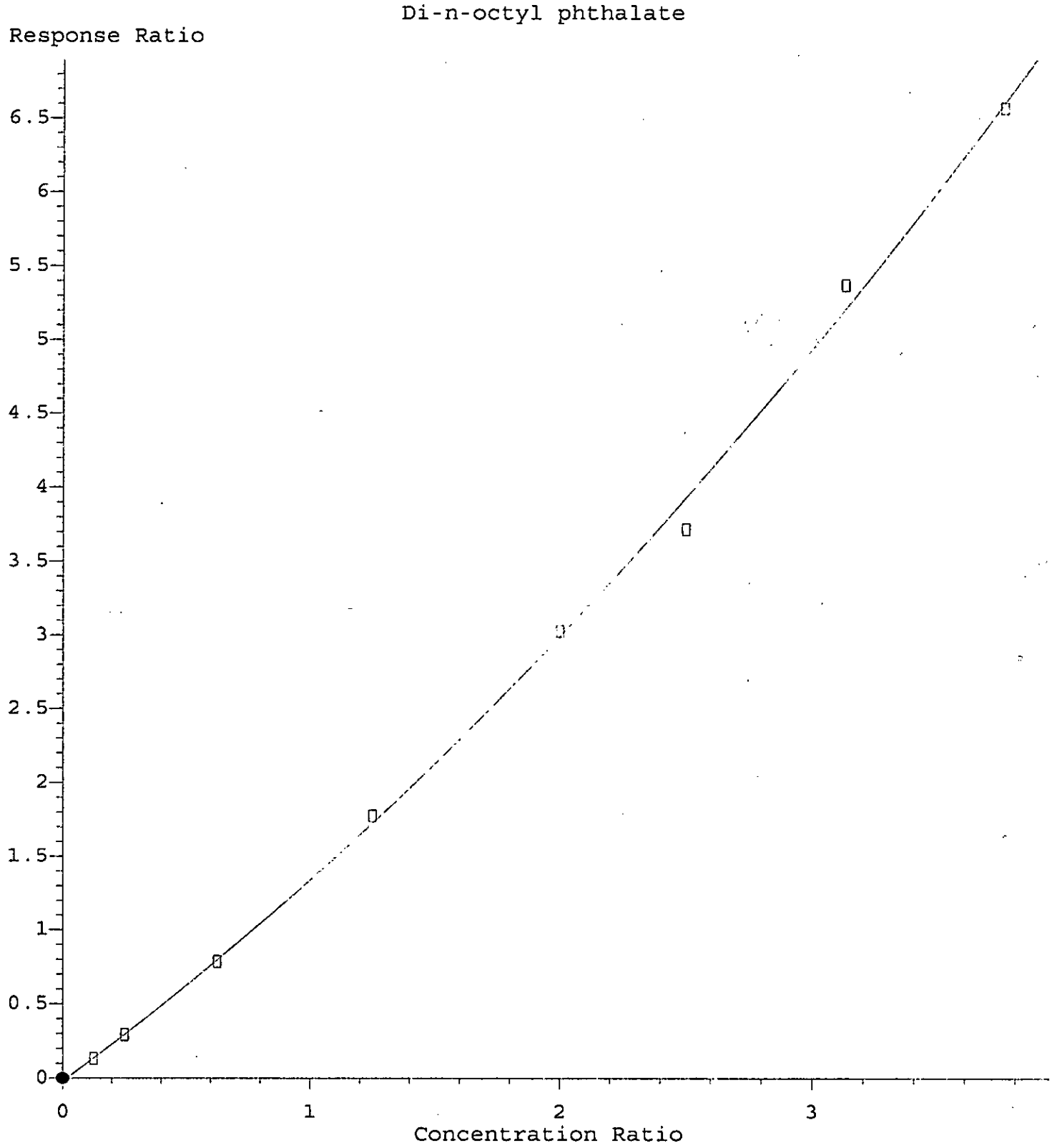
R = 1.81e-002 A*A + 2.73e-001 A - 3.67e-003
Coef of Det (r^2) = 0.995 Curve Fit: Quadratic w(1/a^2)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022



R = 4.92e-003 A*A + 1.04e-001 A - 5.60e-003
Coef of Det (r^2) = 0.997 Curve Fit: Quadratic w(1/a^2)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022



R = 3.88e-002 A*A + 1.41e+000 A + 3.00e-003
Coef of Det (r^2) = 1.000 Curve Fit: Quadratic w(1/a^2)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022

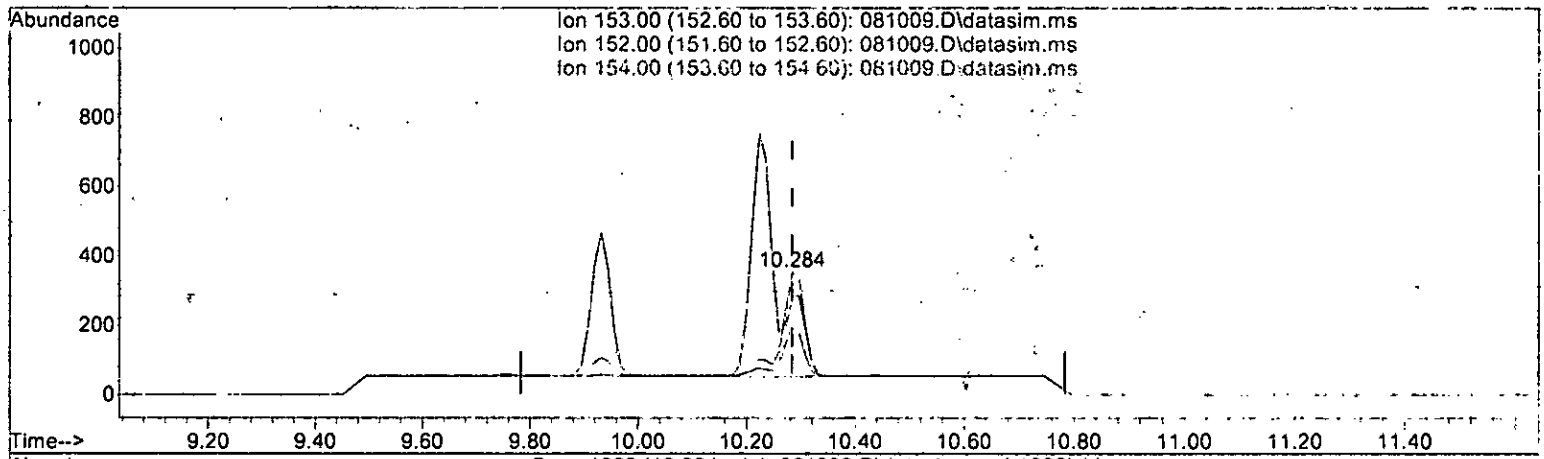


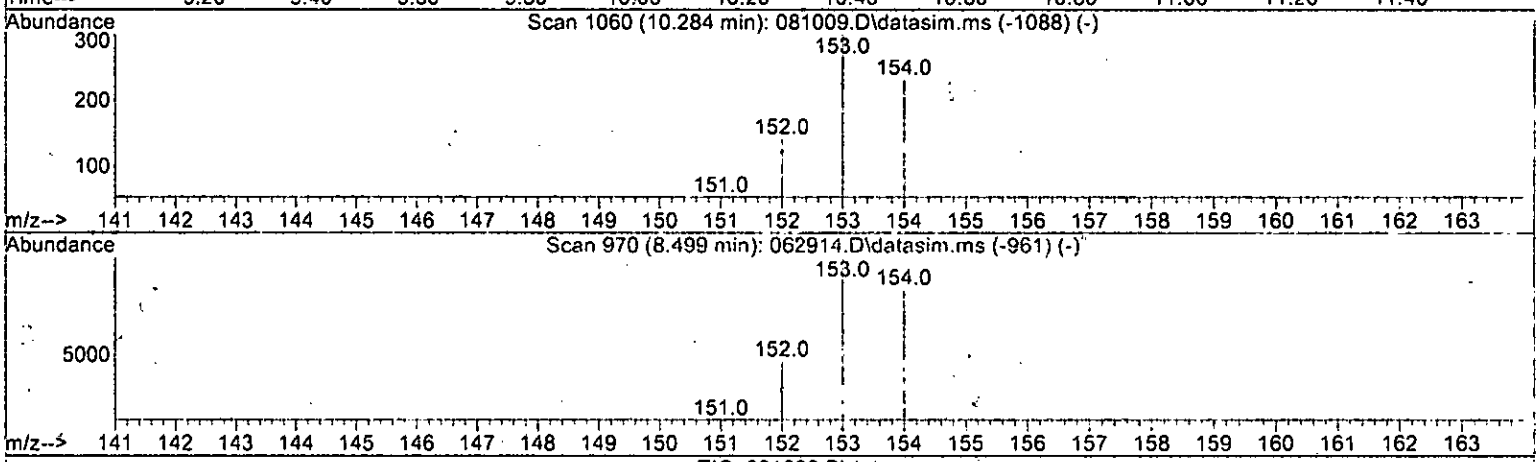
R = 1.48e-001 A*A + 1.21e+000 A - 1.94e-002
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: N:\Methods\Inst9\081022sms.M
Calibration Table Last Updated: Thu Aug 11 09:38:10 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081009.D\data.ms

(44) Acenaphthene (TMP)

10.284min (-0.000) 0.012 ug/ml

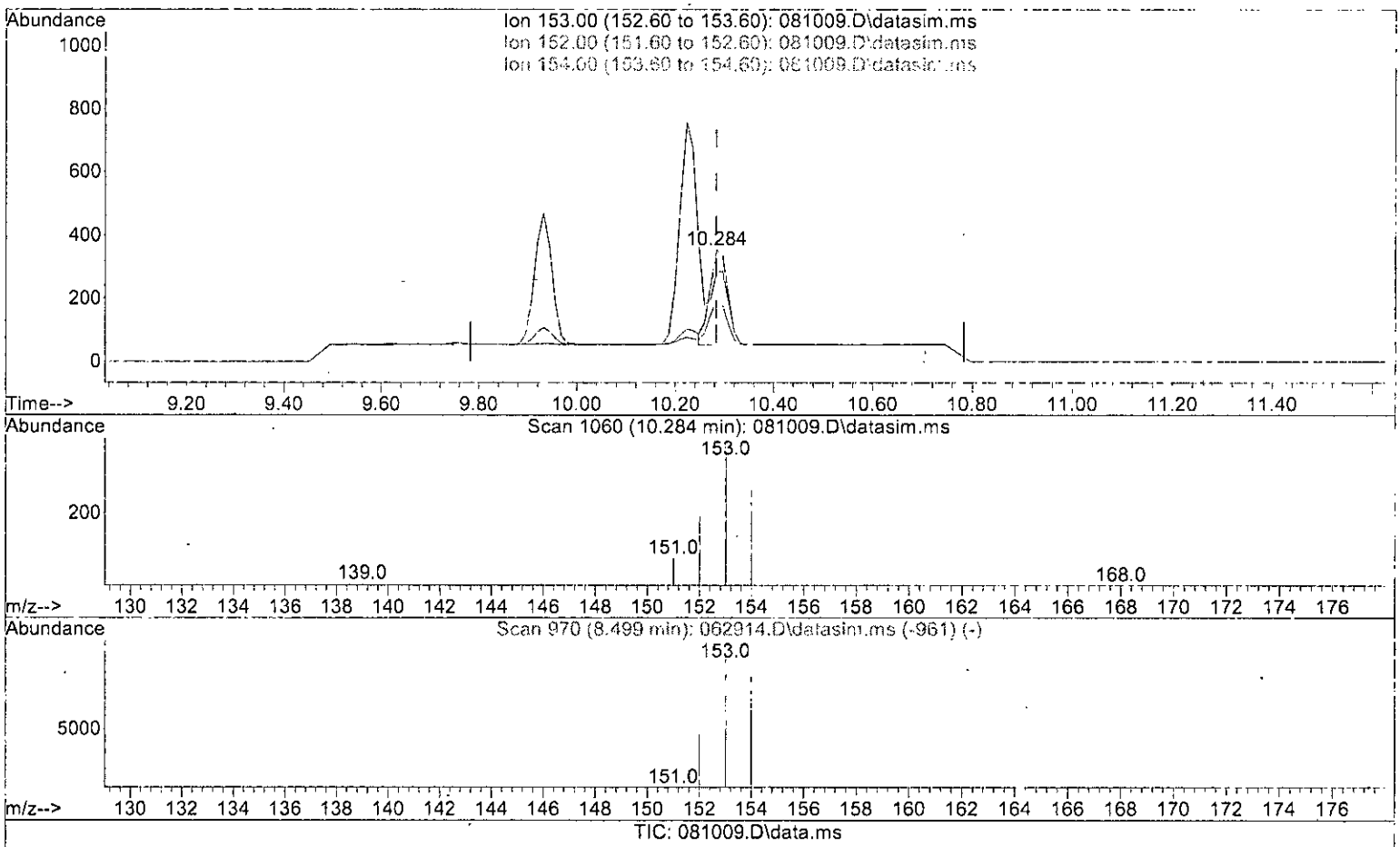
response 914

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	48.90	47.02
154.00	80.40	76.82
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081009.D\data.ms

(44) Acenaphthene (TMP)

10.284min (-0.000) 0.010 ug/ml m

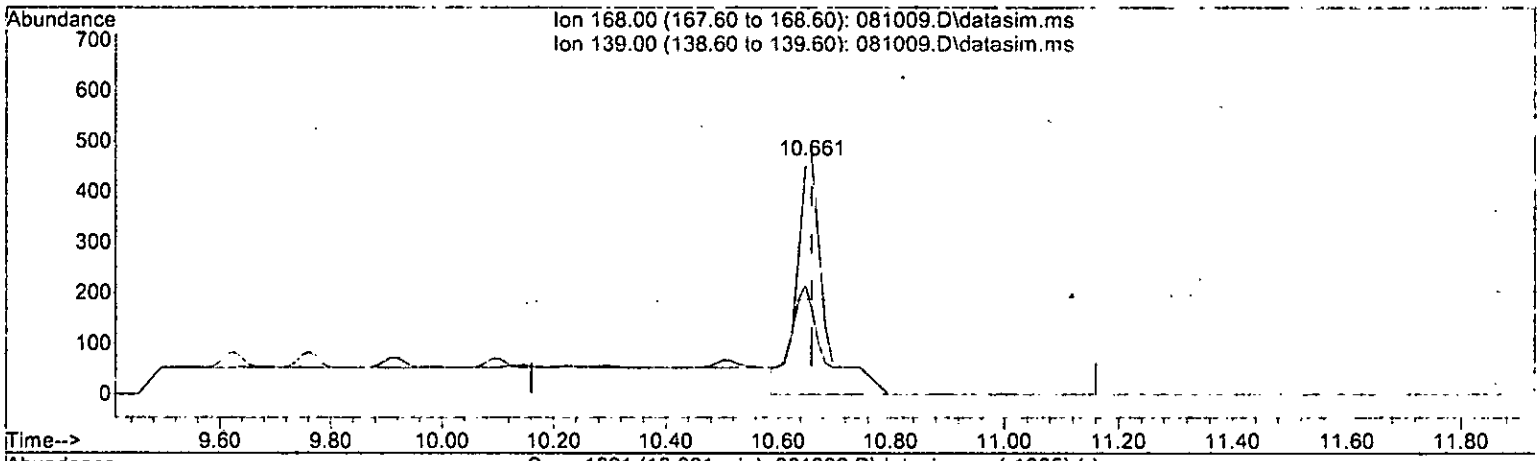
response 758

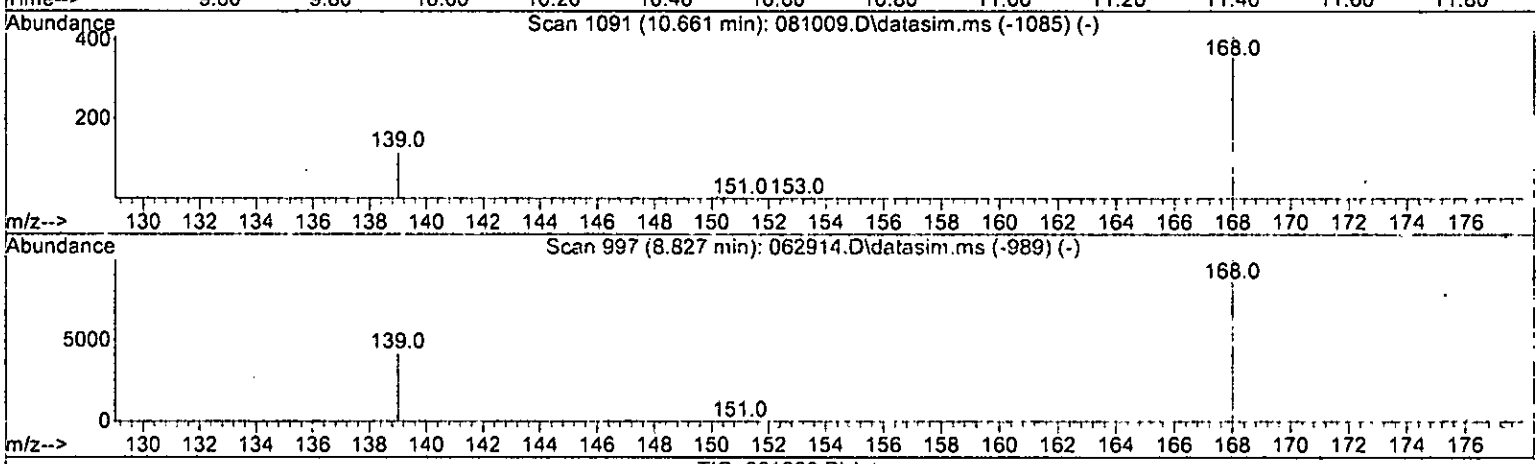
Ion	Exp%	Act%
153.00	100.00	100.00
152.00	48.90	55.65
154.00	80.40	80.79
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081009.D\data.ms

(46) Dibenzofuran (TMP)

10.661min (-0.000) 0.016 ug/ml

response 1840

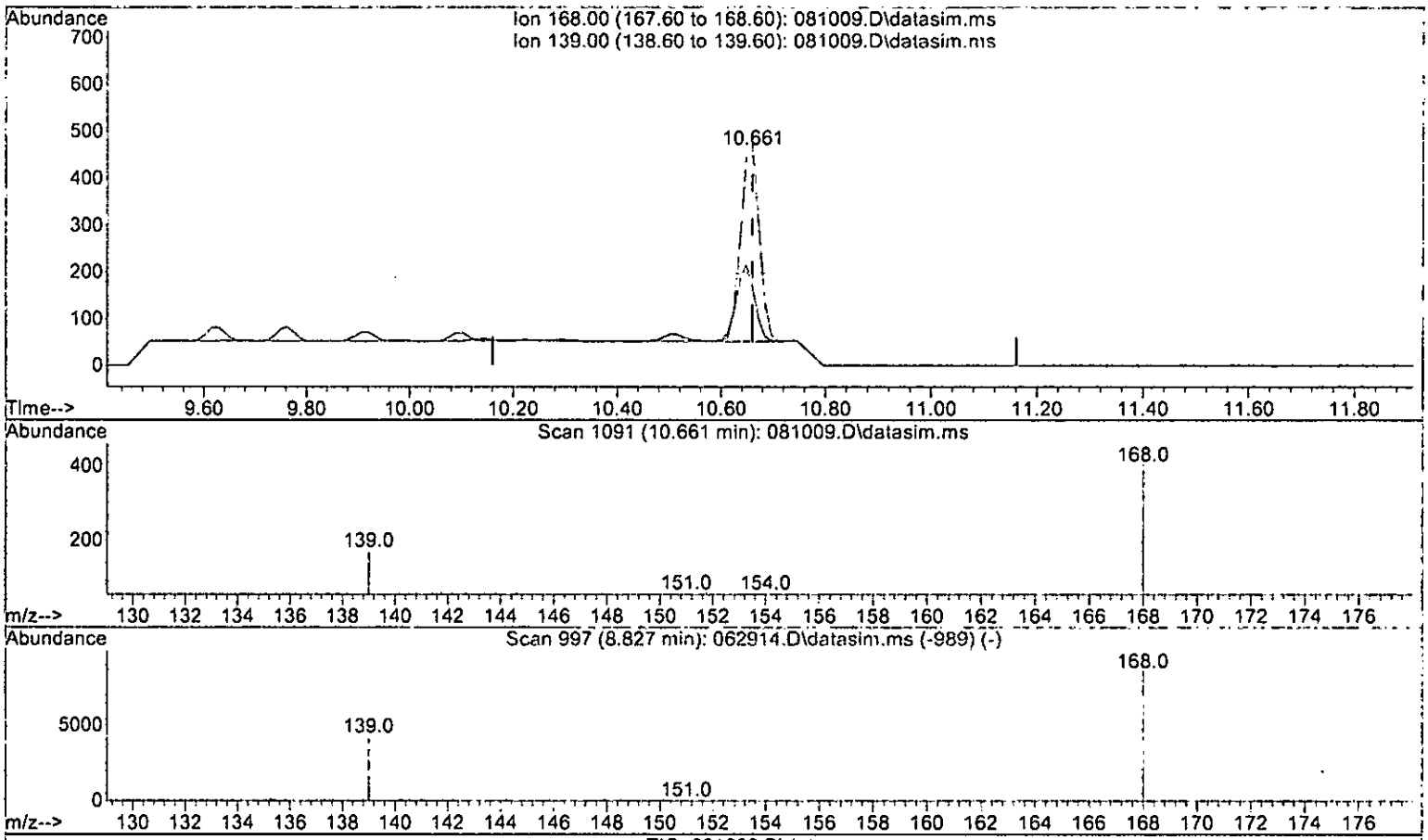
Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	36.58
0.00	0.00	0.00
0.00	0.00	0.00

8/11 JM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081009.D\data.ms

(46) Dibenzofuran (TMP)

10.661min (-0.000) 0.009 ug/ml m

response 1060

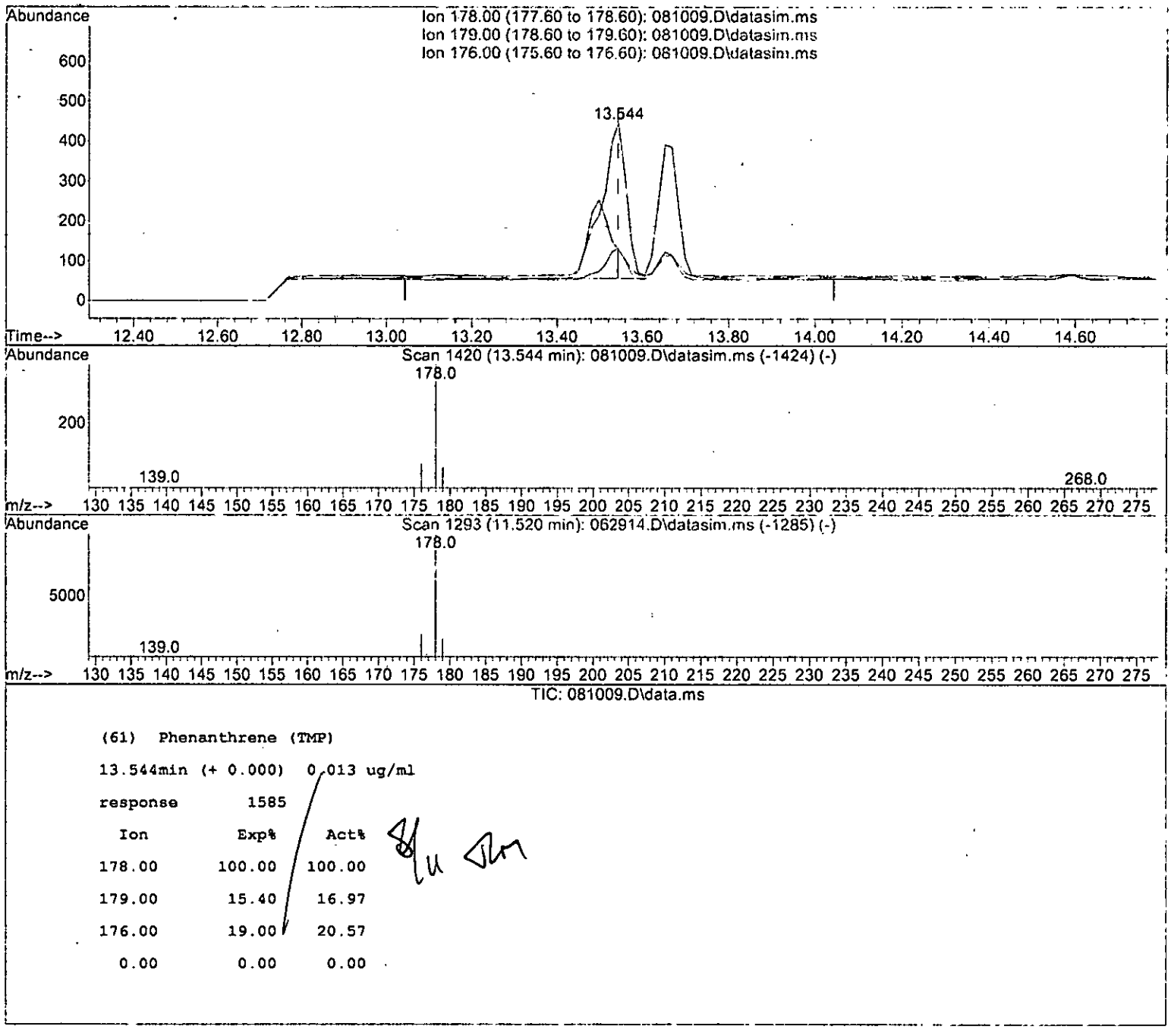
Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	36.58
0.00	0.00	0.00
0.00	0.00	0.00

8/11 DM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081009.D\data.ms

(61) Phenanthrene (TMP)

13.544min (+ 0.000) 0.013 ug/ml

response 1585

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	16.97
176.00	19.00	20.57
0.00	0.00	0.00

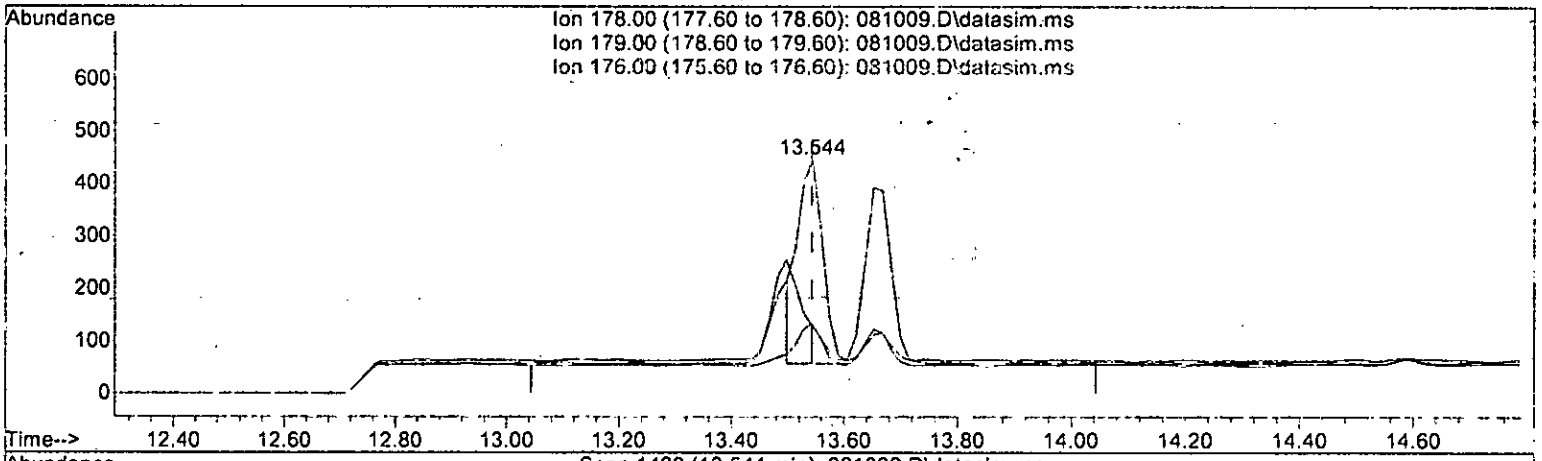
8/11 JM

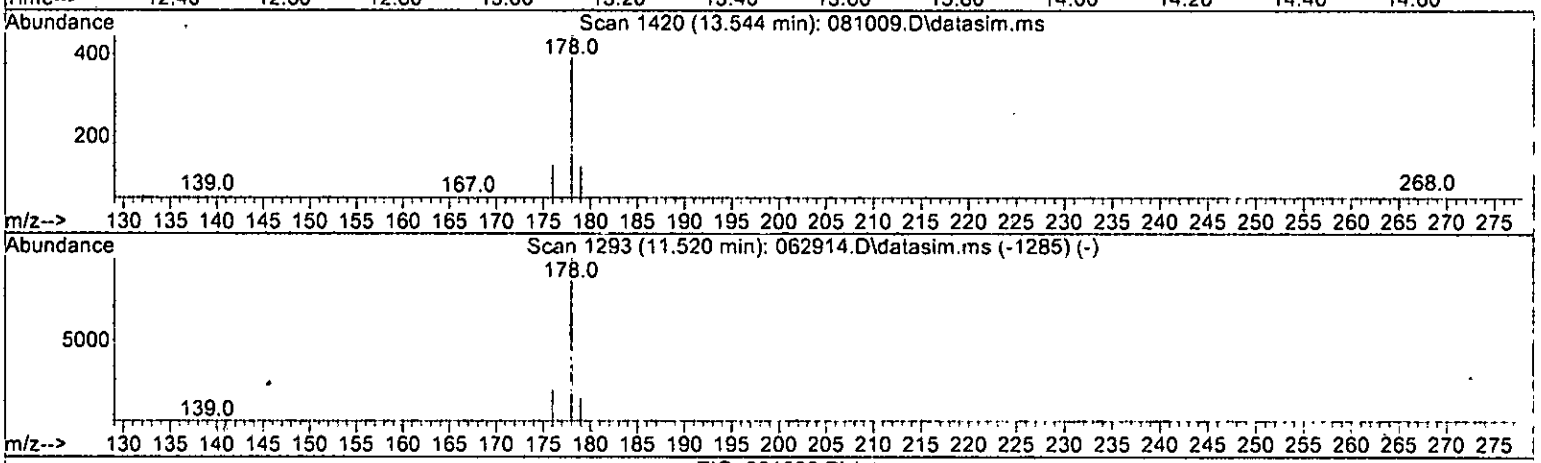
081022sms.M Thu Aug 11 11:38:16 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081009.D\data.ms

(61) Phenanthrene (TMP)

13.544min (+ 0.000) 0.010 ug/ml m

response 1227

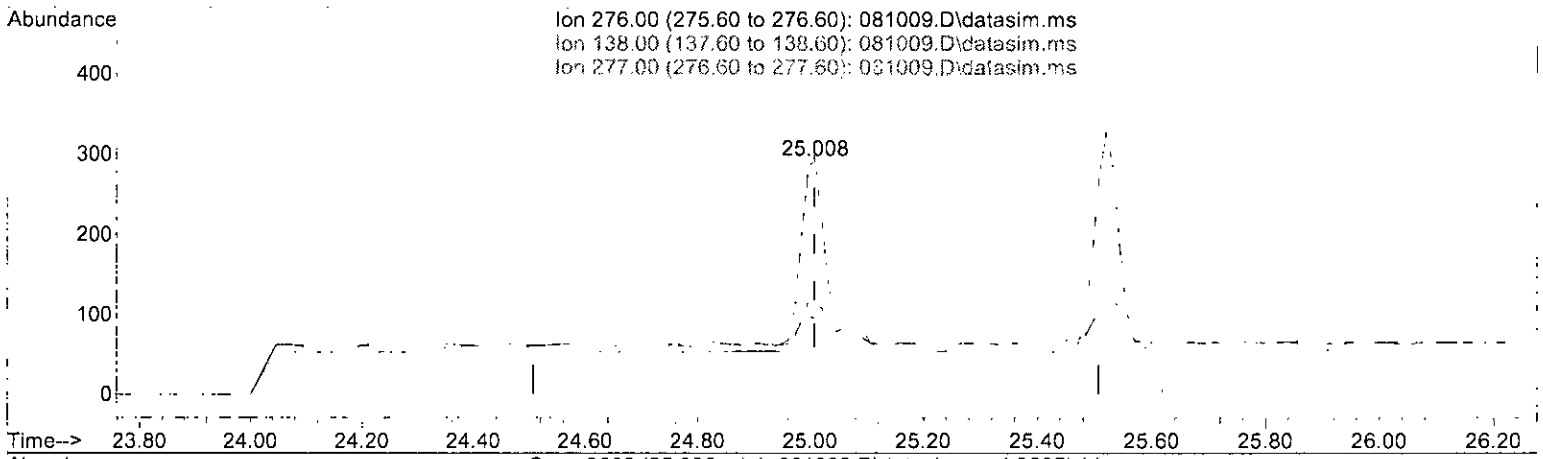
Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	28.92
176.00	19.00	29.82
0.00	0.00	0.00

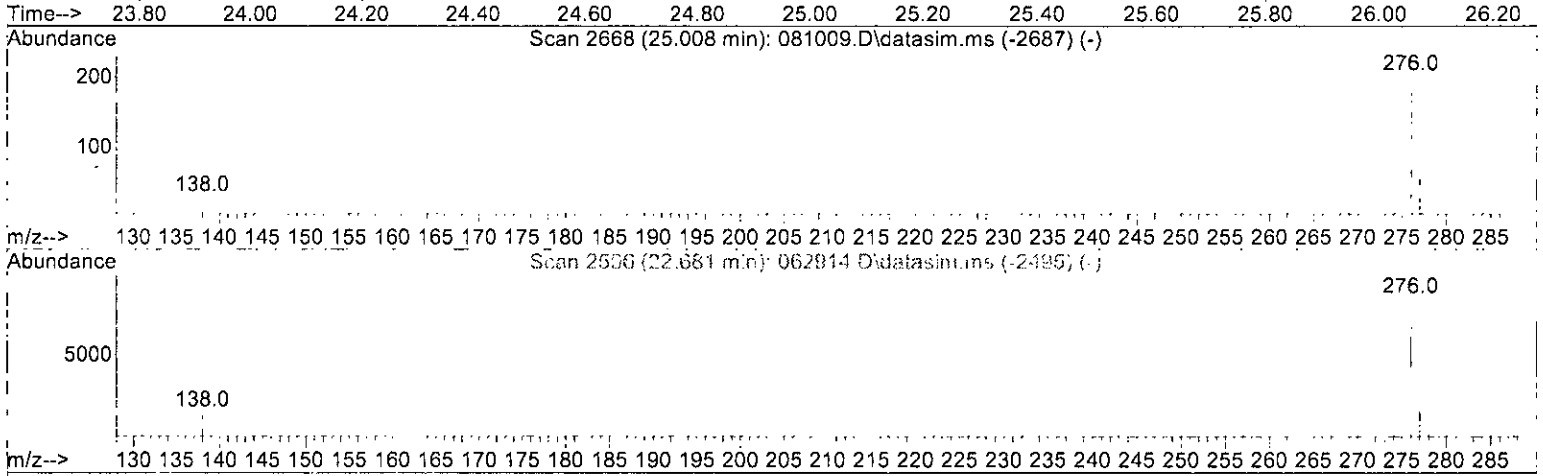
8/11 JLM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081009.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 0.012 ug/ml

response 892

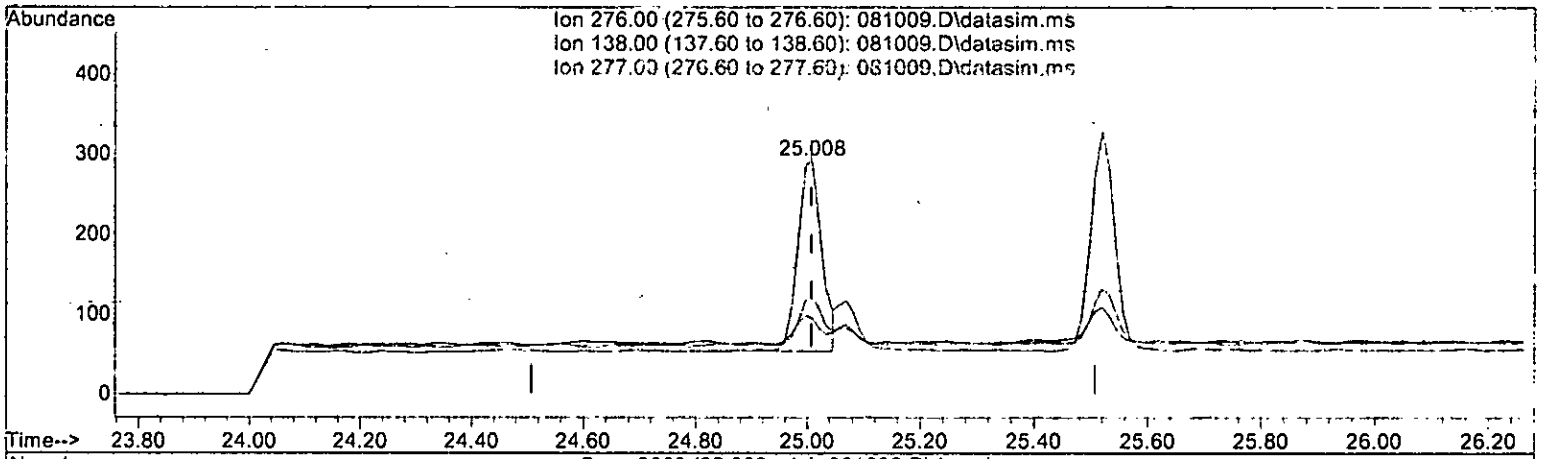
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.45
277.00	24.10	25.63
0.00	0.00	0.00

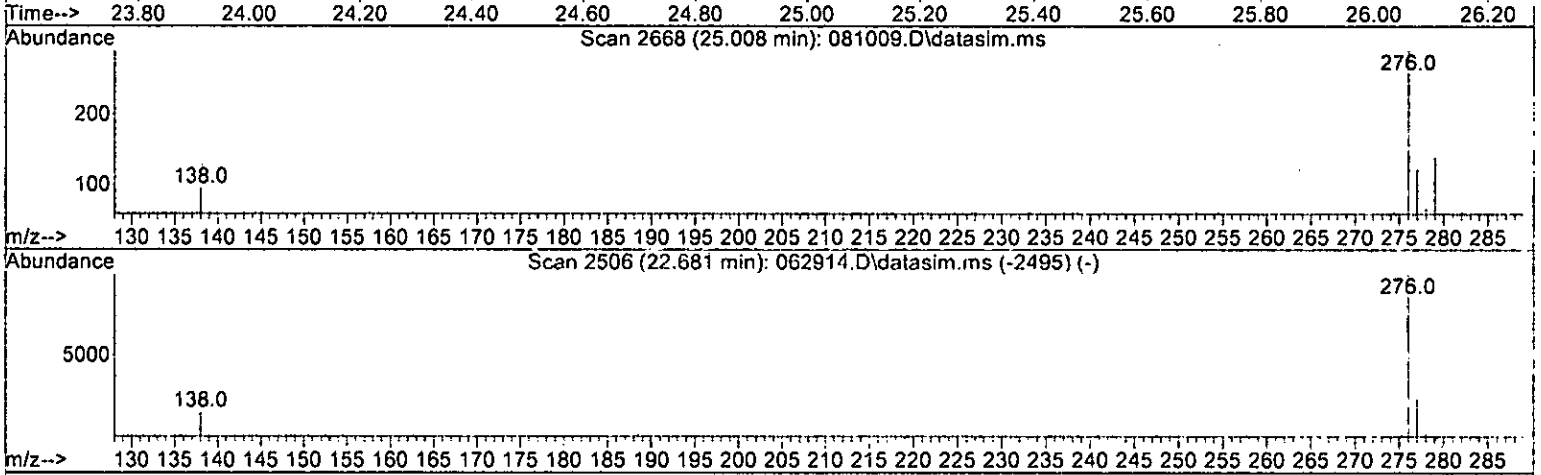
081022sms.M Thu Aug 11 11:38:48 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:51 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081009.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 0.010 ug/ml m

response 716

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	32.53
277.00	24.10	42.47
0.00	0.00	0.00

8/11 JM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	-1.000	0.000	0.0	0	-3.11#
3	S	2-Fluorophenol	-1.000	0.000	0.0	0	-4.22#
4	S	Phenol-d6	-1.000	0.000	0.0	0	-5.13#
5	TMP	Phenol	-1.000	0.000	0.0	0	-5.15#
6	TMP	Bis(2-chloroethyl) ether	-1.000	0.000	0.0	0	-5.27#
7	TMP	2-Chlorophenol	-1.000	0.000	0.0	0	-5.34#
8	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-5.51#
9	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-5.58#
10	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-5.75#
11	TMP	Benzyl alcohol	-1.000	0.000	0.0	0	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	-1.000	0.000	0.0	0	-5.87#
13	TMP	2-Methylphenol	-1.000	0.000	0.0	0	-5.82#
14	TMP	Hexachloroethane	-1.000	0.000	0.0	0	-6.14#
15	TMP	N-Nitroso-di-n-propylamine	-1.000	0.000	0.0	0	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	-1.000	0.000	0.0	0	-6.00#
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	-1.000	0.000	0.0	0	-6.20#
19	TMP	Nitrobenzene	-1.000	0.000	0.0	0	-6.22#
20	TMP	Isophorone	-1.000	0.000	0.0	0	-6.52#
21	TMP	2-Nitrophenol	-1.000	0.000	0.0	0	-6.63#
22	TMP	2,4-Dimethylphenol	-1.000	0.000	0.0	0	-6.67#
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	-1.000	0.000	0.0	0	-6.81#
25	TMP	2,4-Dichlorophenol	-1.000	0.000	0.0	0	-6.94#
26	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-7.07#
27	TMP	Naphthalene	0.010	0.010	0.0	100	0.00
28	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-7.37#
29	TMP	4-Chloroaniline	-1.000	0.000	0.0	0	-7.26#
30	TMP	4-Chloro-3-methylphenol	-1.000	0.000	0.0	0	-8.00#
31	TMP	2-Methylnaphthalene	0.010	0.010	0.0	100	0.00
32	TMP	1-Methylnaphthalene	0.010	0.010	0.0	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	-1.000	0.000	0.0	0	-8.54#
35	TMP	2,4,6-Trichlorophenol	-1.000	0.000	0.0	0	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	-1.000	0.000	0.0	0	-8.81#
37	S	2-Fluorobiphenyl	-1.000	0.000	0.0	0	-8.93#
38	TMP	2-Chloronaphthalene	-1.000	0.000	0.0	0	-9.14#
39	TMP	2-Nitroaniline	-1.000	0.000	0.0	0	-9.33#
40	TMP	Dimethyl phthalate	-1.000	0.000	0.0	0	-9.74#
41	TMP	Acenaphthylene	0.010	0.010	0.0	100	0.00
42	TMP	2,6-Dinitrotoluene	-1.000	0.000	0.0	0	-9.83#
43	TMP	3-Nitroaniline	-1.000	0.000	0.0	0	-10.15#
44	TMP	Acenaphthene	0.010	0.010	0.0	98	0.00
45	TMP	2,4-Dinitrophenol	-1.000	0.000	0.0	0	-10.37#
46	TMP	Dibenzofuran	0.010	0.009	10.0	97	0.00
47	TMP	2,4-Dinitrotoluene	-1.000	0.000	0.0	0	-10.66#
48	TMP	4-Nitrophenol	-1.000	0.000	0.0	0	-10.51#
49	TMP	Diethyl phthalate	-1.000	0.000	0.0	0	-11.23#
50	TMP	Fluorene	0.010	0.010	0.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	-1.000	0.000	0.0	0	-11.43#
52	TMP	1,2-Diphenylhydrazine	-1.000	0.000	0.0	0	-11.78#
53	S	2,4,6-Tribromophenol	-1.000	0.000	0.0	0	-11.91#
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	-1.000	0.000	0.0	0	-11.70#
56	TMP	4-Nitroaniline	-1.000	0.000	0.0	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	-1.000	0.000	0.0	0	-11.52#
58	TMP	4-Bromophenyl phenyl ether	-1.000	0.000	0.0	0	-12.53#
59	TMP	Hexachlorobenzene	-1.000	0.000	0.0	0	-12.60#
60	TMP	Pentachlorophenol	-1.000	0.000	0.0	0	-13.06#
61	TMP	Phenanthrene	0.010	0.010	0.0	104	0.00
62	TMP	Anthracene	0.010	0.009	10.0	100	0.00
63	TMP	Carbazole	-1.000	0.010	0.0	0	0.00
64	TMP	Di-n-butyl phthalate	-1.000	0.010	0.0	0	0.00
65	TMP	Fluoranthene	0.010	0.009	10.0	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	-1.000	0.000	0.0	0	-16.77#
68	TMP	Pyrene	0.010	0.010	0.0	100	0.01
69	S	Terphenyl-d14	-1.000	0.000	0.0	0	-17.38#
70	TMP	Benzyl butyl phthalate	-1.000	0.000	0.0	0	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	-1.000	0.000	0.0	0	-19.82#
72	TMP	Benz(a)anthracene	-1.000	0.000	0.0	0	-19.79#
73	TMP	Chrysene	0.010	0.010	0.0	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	-1.000	0.000	0.0	0	-20.14#
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	-1.000	0.000	0.0	0	-21.64#
77	TMP	Benzo(a)pyrene	0.010	0.009	10.0	100	0.00
78	TMP	Benzo(b)fluoranthene	0.010	0.009	10.0	100	0.00
79	TMP	Benzo(k)fluoranthene	0.010	0.009	10.0	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	0.010	0.010	0.0	101	0.00
81	TMP	Dibenz(a,h)anthracene	0.010	0.010	0.0	100	0.00
82	TMP	Benzo(g,h,i)perylene	0.010	0.011	-10.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.000#	100.0#	0#	-3.11#
3	S	2-Fluorophenol	1.064	0.000#	100.0#	0#	-4.22#
4	S	Phenol-d6	1.279	0.000#	100.0#	0#	-5.13#
5	TMP	Phenol	1.625	0.000#	100.0#	0#	-5.15#
6	TMP	Bis(2-chloroethyl) ether	1.254	0.000#	100.0#	0#	-5.27#
7	TMP	2-Chlorophenol	1.210	0.000#	100.0#	0#	-5.34#
8	TMP	1,3-Dichlorobenzene	1.446	0.000#	100.0#	0#	-5.51#
9	TMP	1,4-Dichlorobenzene	1.421	0.000#	100.0#	0#	-5.58#
10	TMP	1,2-Dichlorobenzene	1.413	0.000#	100.0#	0#	-5.75#
11	TMP	Benzyl alcohol	0.768	0.000#	100.0#	0#	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	0.000#	100.0#	0#	-5.87#
13	TMP	2-Methylphenol	1.055	0.000#	100.0#	0#	-5.82#
14	TMP	Hexachloroethane	0.629	0.000#	100.0#	0#	-6.14#
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.000#	100.0#	0#	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	1.090	0.000#	100.0#	0#	-6.00#
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.000#	100.0#	0#	-6.20#
19	TMP	Nitrobenzene	0.414	0.000#	100.0#	0#	-6.22#
20	TMP	Isophorone	0.690	0.000#	100.0#	0#	-6.52#
21	TMP	2-Nitrophenol	0.173	0.000#	100.0#	0#	-6.63#
22	TMP	2,4-Dimethylphenol	0.379	0.000#	100.0#	0#	-6.67#
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.000#	100.0#	0#	-6.81#
25	TMP	2,4-Dichlorophenol	0.319	0.000#	100.0#	0#	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.400	0.000#	100.0#	0#	-7.07#
27	TMP	Naphthalene	1.188	1.235	-4.0	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.000#	100.0#	0#	-7.37#
29	TMP	4-Chloroaniline	0.433	0.000#	100.0#	0#	-7.26#
30	TMP	4-Chloro-3-methylphenol	0.322	0.000#	100.0#	0#	-8.00#
31	TMP	2-Methylnaphthalene	0.757	0.741	2.1	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.698	3.9	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.000#	100.0#	0#	-8.54#
35	TMP	2,4,6-Trichlorophenol	0.482	0.000#	100.0#	0#	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.000#	100.0#	0#	-8.81#
37	S	2-Fluorobiphenyl	1.406	0.000#	100.0#	0#	-8.93#
38	TMP	2-Chloronaphthalene	1.237	0.000#	100.0#	0#	-9.14#
39	TMP	2-Nitroaniline	0.437	0.000#	100.0#	0#	-9.33#
40	TMP	Dimethyl phthalate	1.457	0.000#	100.0#	0#	-9.74#
41	TMP	Acenaphthylene	2.125	2.048	3.6	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.000#	100.0#	0#	-9.83#
43	TMP	3-Nitroaniline	0.498	0.000#	100.0#	0#	-10.15#
44	TMP	Acenaphthene	1.489	1.512	-1.5	98	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.000#	100.0#	0#	-10.37#
46	TMP	Dibenzofuran	2.346	2.114	9.9	97	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.000#	100.0#	0#	-10.66#
48	TMP	4-Nitrophenol	0.297	0.000#	100.0#	0#	-10.51#
49	TMP	Diethyl phthalate	1.527	0.000#	100.0#	0#	-11.23#
50	TMP	Fluorene	1.536	1.510	1.7	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.000#	100.0#	0#	-11.43#
52	TMP	1,2-Diphenylhydrazine	1.356	0.000#	100.0#	0#	-11.78#
53	S	2,4,6-Tribromophenol	0.293	0.000#	100.0#	0#	-11.91#
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.000#	100.0#	0#	-11.70#
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.000#	100.0#	0#	-11.52#
58	TMP	4-Bromophenyl phenyl ether	0.242	0.000#	100.0#	0#	-12.53#
59	TMP	Hexachlorobenzene	0.293	0.000#	100.0#	0#	-12.60#
60	TMP	Pentachlorophenol	0.207	0.000#	100.0#	0#	-13.06#
61	TMP	Phenanthrene	1.202	1.198	0.3	104	0.00
62	TMP	Anthracene	1.177	1.053	10.5	100	0.00
63	TMP	Carbazole	0.901	0.000#	100.0#	0#	0.00
64	TMP	Di-n-butyl phthalate	1.289	0.000#	100.0#	0#	0.00
65	TMP	Fluoranthene	1.367	1.237	9.5	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.000#	100.0#	0#	-16.77#
68	TMP	Pyrene	1.674	1.631	2.6	100	0.01
69	S	Terphenyl-d14	1.068	0.000#	100.0#	0#	-17.38#
70	TMP	Benzyl butyl phthalate	0.556	0.000#	100.0#	0#	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%.

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.000#	100.0#	0#	-19.82#
72	TMP	Benz(a)anthracene	1.637	0.000#	100.0#	0#	-19.79#
73	TMP	Chrysene	1.403	1.363	2.9	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.000#	100.0#	0#	-20.14#
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	0.000#	100.0#	0#	-21.64#
77	TMP	Benzo(a)pyrene	1.223	1.142	6.6	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.420	5.5	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.324	8.2	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	0.996	1.0	101	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.011	-0.6	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.123	-7.0	100	0.00

(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	224832	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	745608	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	401183	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	819200	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	636185	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	575143	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.00	112	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 60		Recovery =	0.00%#		
4) Phenol-d6	0.00	99	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 49		Recovery =	0.00%#		
18) Nitrobenzene-d5	0.00	82	0	0.000	ug/ml	
Spiked Amount 10.000	Range 15 - 144		Recovery =	0.00%#		
37) 2-Fluorobiphenyl	0.00	172	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 25 - 128		Recovery =	0.00%#		
53) 2,4,6-Tribromophenol	0.00	330	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 142		Recovery =	0.00%#		
69) Terphenyl-d14	0.00	244	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 41 - 138		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.	d	
5) Phenol	0.00		0	N.D.	d	
6) Bis(2-chloroethyl) ether	0.00		0	N.D.	d	
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
9) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
10) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
11) Benzyl alcohol	0.00		0	N.D.	d	
12) 2,2'-Oxybis(1-chloropr...	0.00		0	N.D.	d	
13) 2-Methylphenol	0.00		0	N.D.	d	
14) Hexachloroethane	0.00		0	N.D.		
15) N-Nitroso-di-n-propyla...	0.00		0	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.		
19) Nitrobenzene	0.00		0	N.D.		
20) Isophorone	0.00		0	N.D.	d	
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	0.00		0	N.D.	d	
23) Benzoic acid	0.00		0	N.D.		

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	0.00		0	N.D.		
25)	2,4-Dichlorophenol	0.00		0	N.D.		
26)	1,2,4-Trichlorobenzene	0.00		0	N.D.		
27]	Naphthalene	7.18	128	1151	0.010	ug/ml	98
28)	Hexachlorobutadiene	0.00		0	N.D.		
29)	4-Chloroaniline	0.00		0	N.D.	d	
30)	4-Chloro-3-methylphenol	0.00		0	N.D.		
31]	2-Methylnaphthalene	8.27	142	691	0.010	ug/ml	98
32]	1-Methylnaphthalene	8.44	142	651	0.010	ug/ml	98
34)	Hexachlorocyclopentadiene	0.00		0	N.D.		
35)	2,4,6-Trichlorophenol	0.00		0	N.D.		
36)	2,4,5-Trichlorophenol	0.00		0	N.D.		
38)	2-Chloronaphthalene	0.00		0	N.D.	d	
39)	2-Nitroaniline	0.00		0	N.D.		
40)	Dimethyl phthalate	0.00		0	N.D.		
41]	Acenaphthylene	9.93	152	1027	0.010	ug/ml	98
42)	2,6-Dinitrotoluene	0.00		0	N.D.		
43)	3-Nitroaniline	0.00		0	N.D.	d	
44]	Acenaphthene	10.28	153	758m	0.010	ug/ml	
45)	2,4-Dinitrophenol	0.00		0	N.D.		
46]	Dibenzofuran	10.66	168	1060m	0.009	ug/ml	
47)	2,4-Dinitrotoluene	0.00		0	N.D.		
48)	4-Nitrophenol	0.00		0	N.D.		
49)	Diethyl phthalate	0.00		0	N.D.	d	
50]	Fluorene	11.39	166	757	0.010	ug/ml	100
51)	4-Chlorophenyl phenyl ...	0.00		0	N.D.		
52)	1,2-Diphenylhydrazine	0.00		0	N.D.	d	
55)	N-Nitrosodiphenylamine	0.00		0	N.D.	d	
56)	4-Nitroaniline	0.00		0	N.D.		
57)	4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58)	4-Bromophenyl phenyl e...	0.00		0	N.D.		
59)	Hexachlorobenzene	0.00		0	N.D.		
60)	Pentachlorophenol	0.00		0	N.D.		
61]	Phenanthrene	13.54	178	1227m	0.010	ug/ml	
62]	Anthracene	13.65	178	1078	0.009	ug/ml	98
63]	Carbazole	14.07	167	881	0.010	ug/ml	96
64)	Di-n-butyl phthalate	15.07	149	1376	0.010	ug/ml	80
65]	Fluoranthene	16.35	202	1267	0.009	ug/ml	99
67)	Benzidine	0.00		0	N.D.		
68]	Pyrene	16.88	202	1297	0.010	ug/ml	93
70)	Benzyl butyl phthalate	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

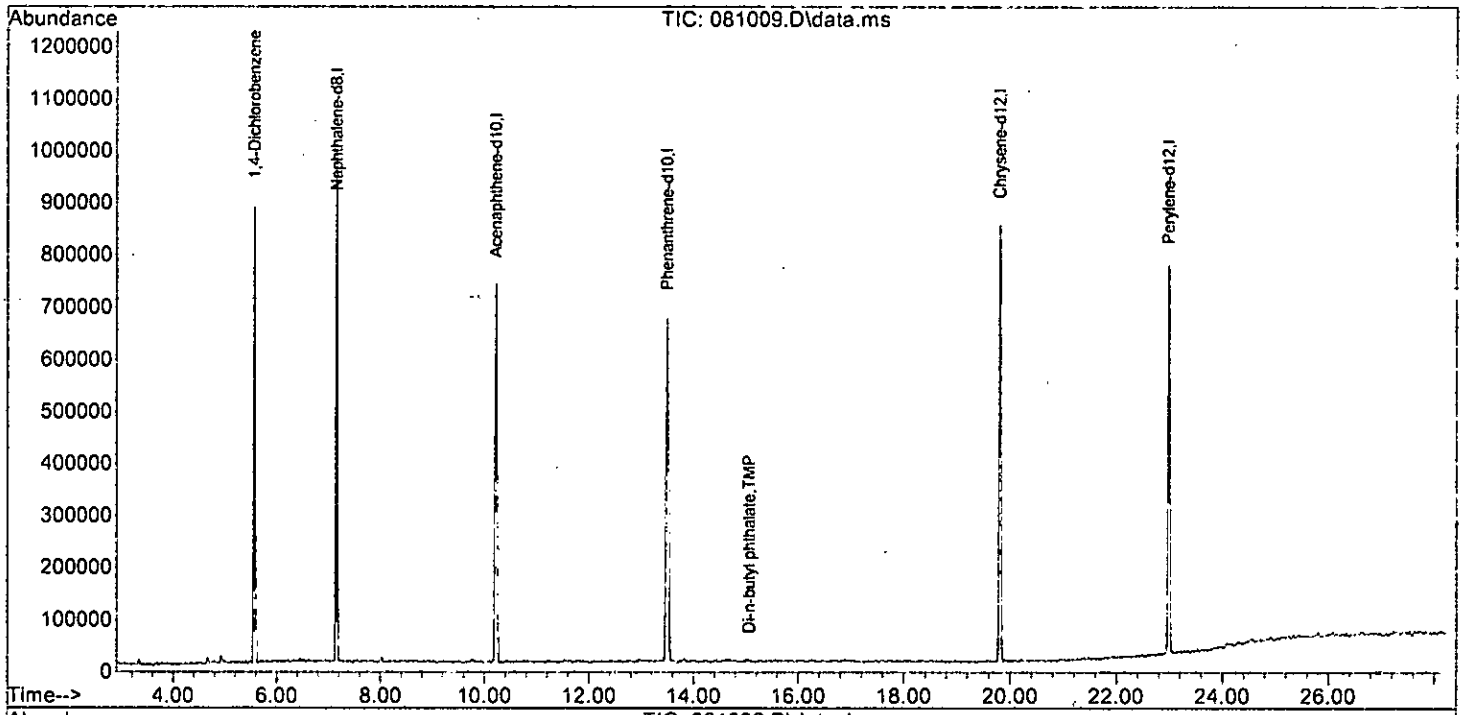
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	3,3'-Dichlorobenzidine	0.00		0	N.D.		
72)	Benz(a)anthracene	0.00		0	N.D.	d	
73]	Chrysene	19.87	228	1084	0.010	ug/ml	98
74)	Bis(2-ethylhexyl) phth...	0.00		0	N.D.	d	
76)	Di-n-octyl phthalate	0.00		0	N.D.	d	
77]	Benzo(a)pyrene	22.87	252	821	0.009	ug/ml	99
78]	Benzo(b)fluoranthene	22.20	252	1021	0.009	ug/ml	100
79]	Benzo(k)fluoranthene	22.26	252	952	0.009	ug/ml	94
80]	Indeno(1,2,3-cd)pyrene	25.01	276	716m	0.010	ug/ml	
81]	Dibenz(a,h)anthracene	25.07	278	727	0.010	ug/ml	95
82]	Benzo(g,h,i)perylene	25.52	276	807	0.011	ug/ml	98

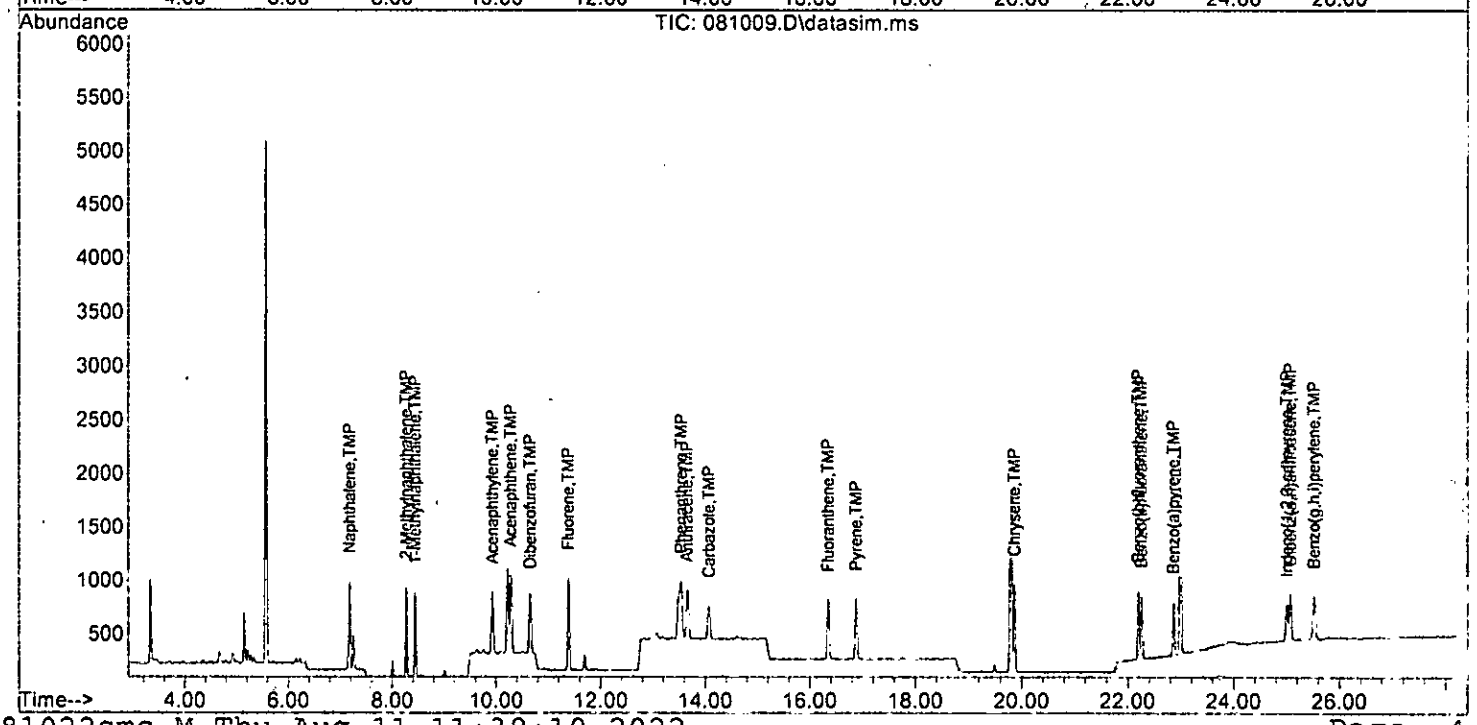
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081009.D
Acq On : 10 Aug 2022 3:22 pm
Operator : VM
Sample : 0.01 ug/ml 8270 ICAL 67-21B
Misc :
ALS Vial : 111 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:43:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

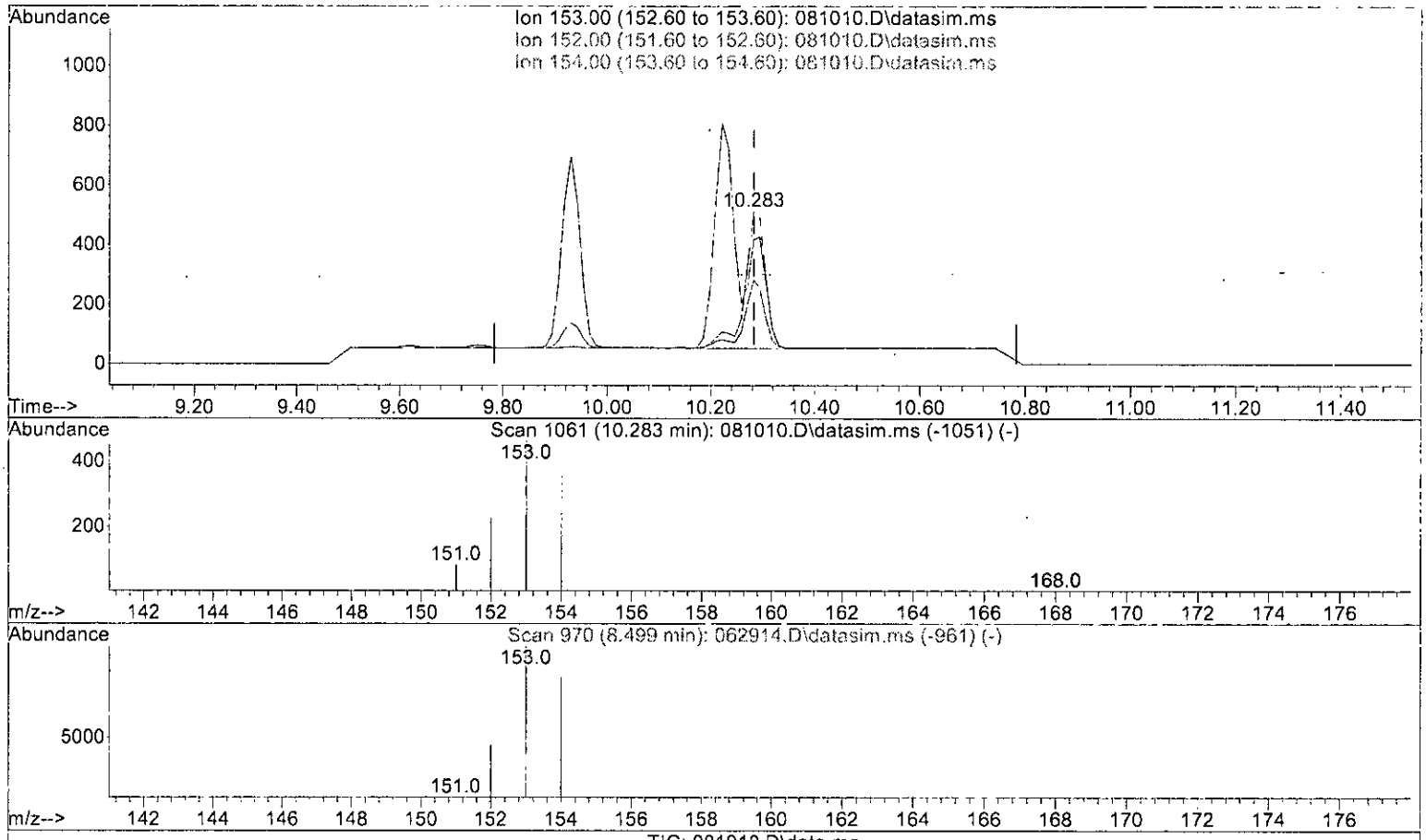




Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081010.D\data.ms

(44) Acenaphthene (TMP)

10.283min (-0.001) 0.017 ug/ml

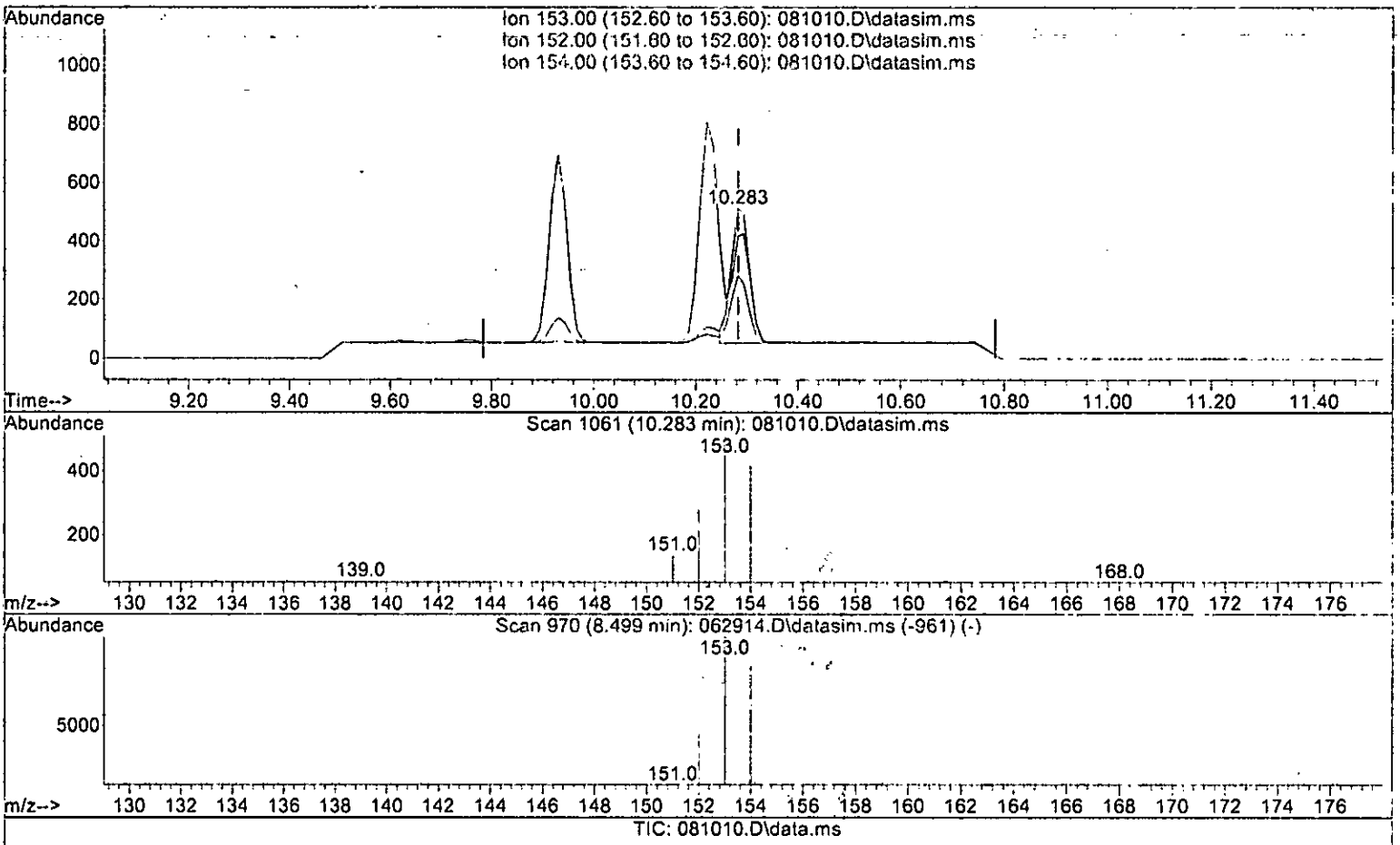
response 1314

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	48.90	49.46
154.00	80.40	79.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081010.D\data.ms

(44) Acenaphthene (TMP)

10.283min (-0.001) 0.015 ug/ml m

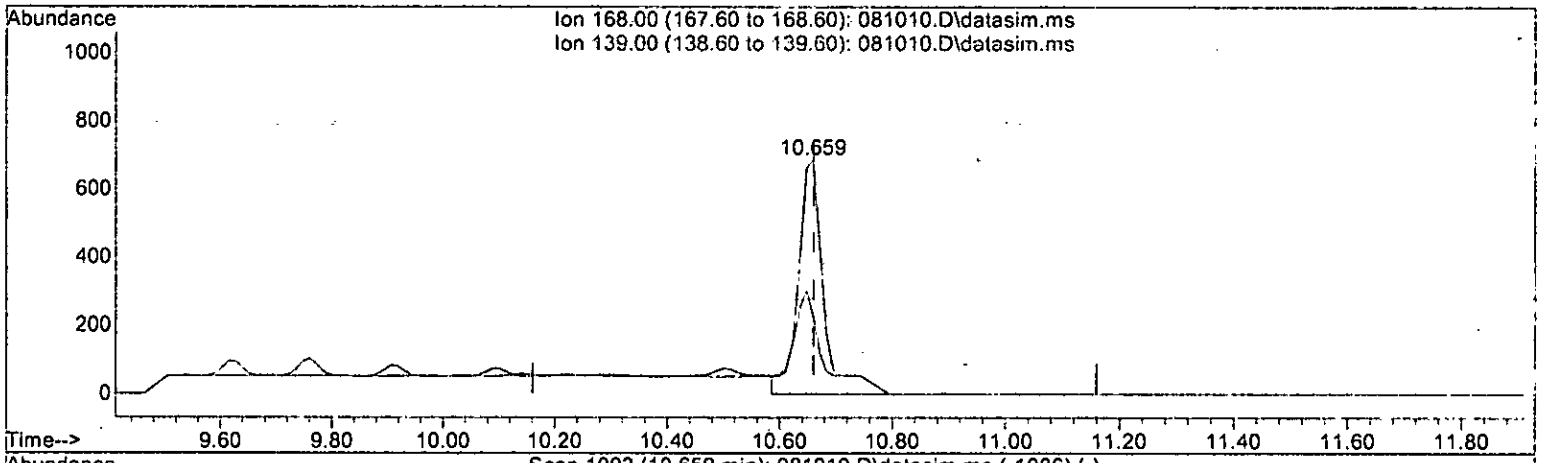
response 1162

Ion	Exp%	Act%
153.00	100.00	100.00
152.00	48.90	54.78
154.00	80.40	81.29
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081010.D\data.ms

(46) Dibenzofuran (TMP)

10.659min (-0.002) 0.020 ug/ml

response 2505

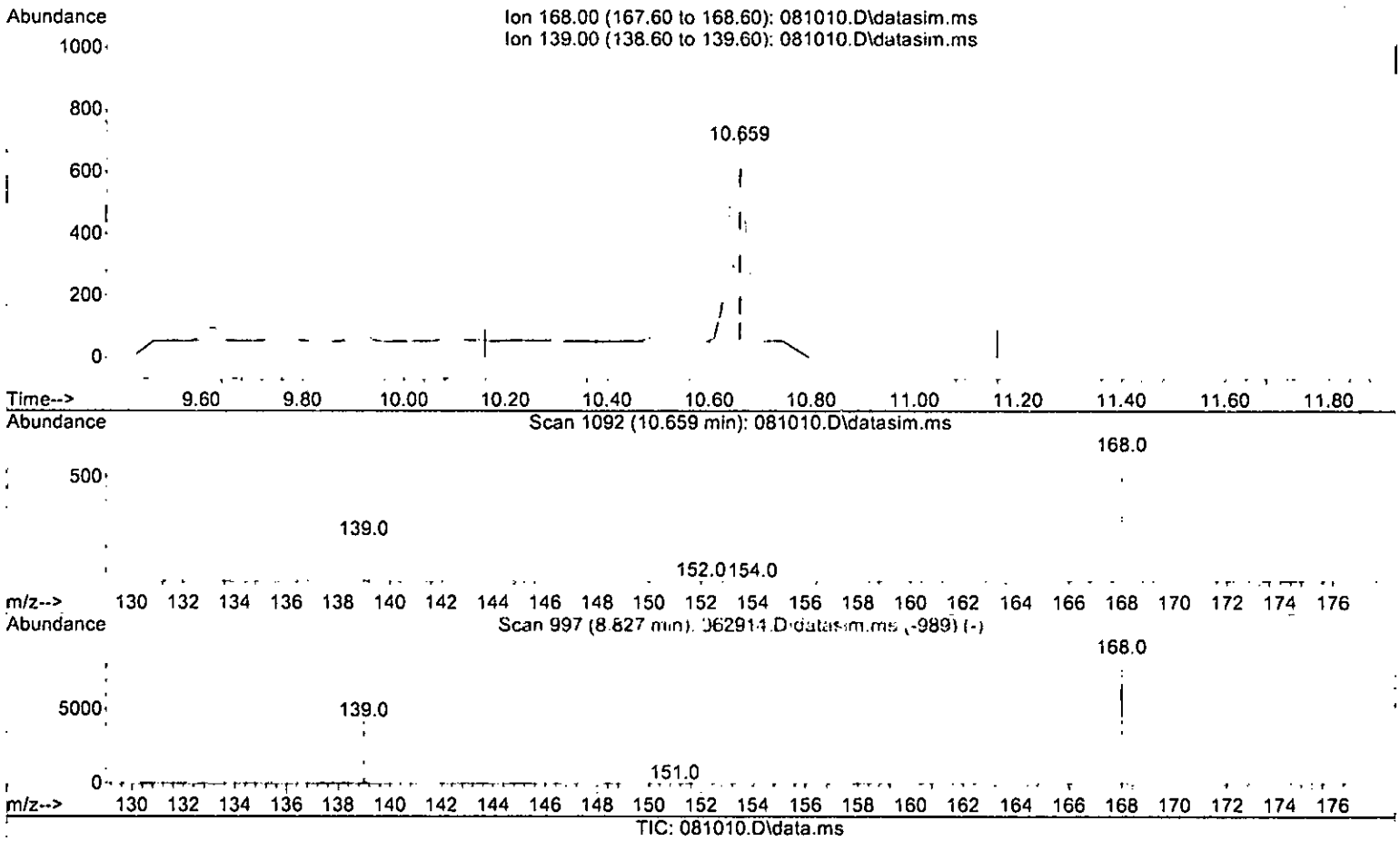
Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	33.53
0.00	0.00	0.00
0.00	0.00	0.00

8/11 JM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(46) Dibenzofuran (TMP)

10.659min (-0.002) 0.013 ug/ml m

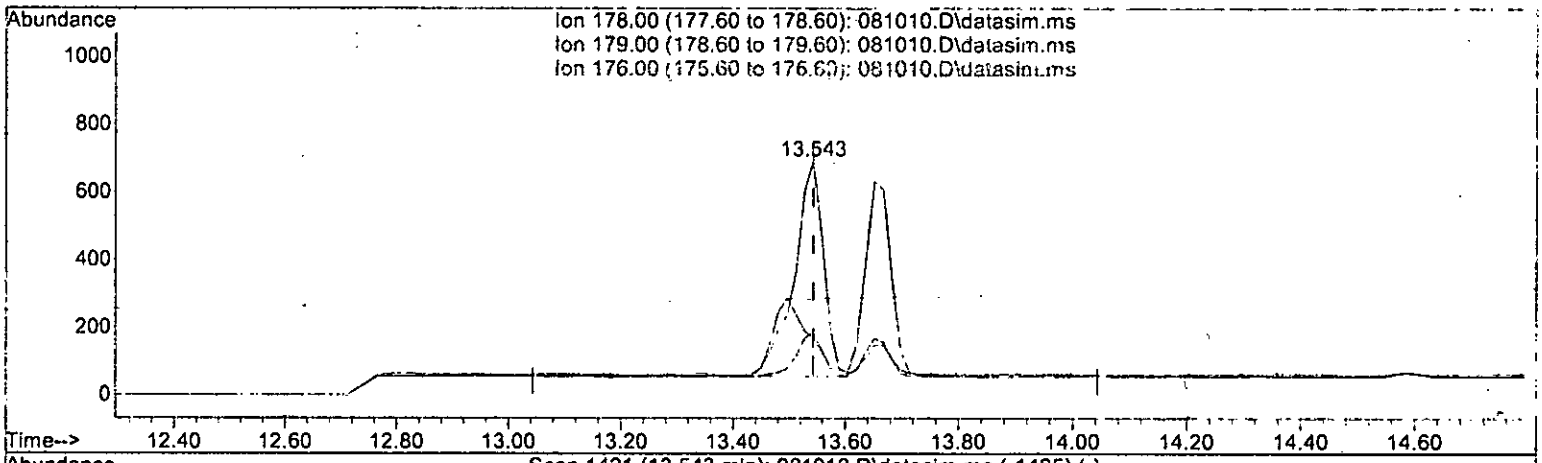
response 1637

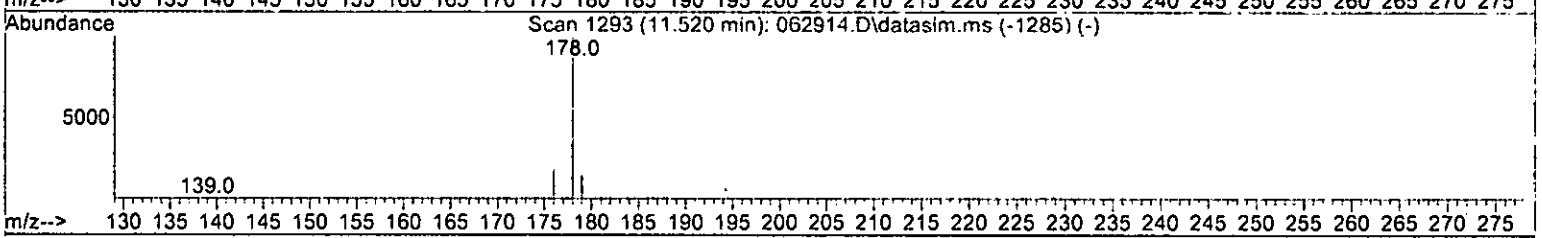
Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	33.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081010.D\data.ms

(61) Phenanthrene (TMP)

13.543min (-0.001) 0.018 ug/ml

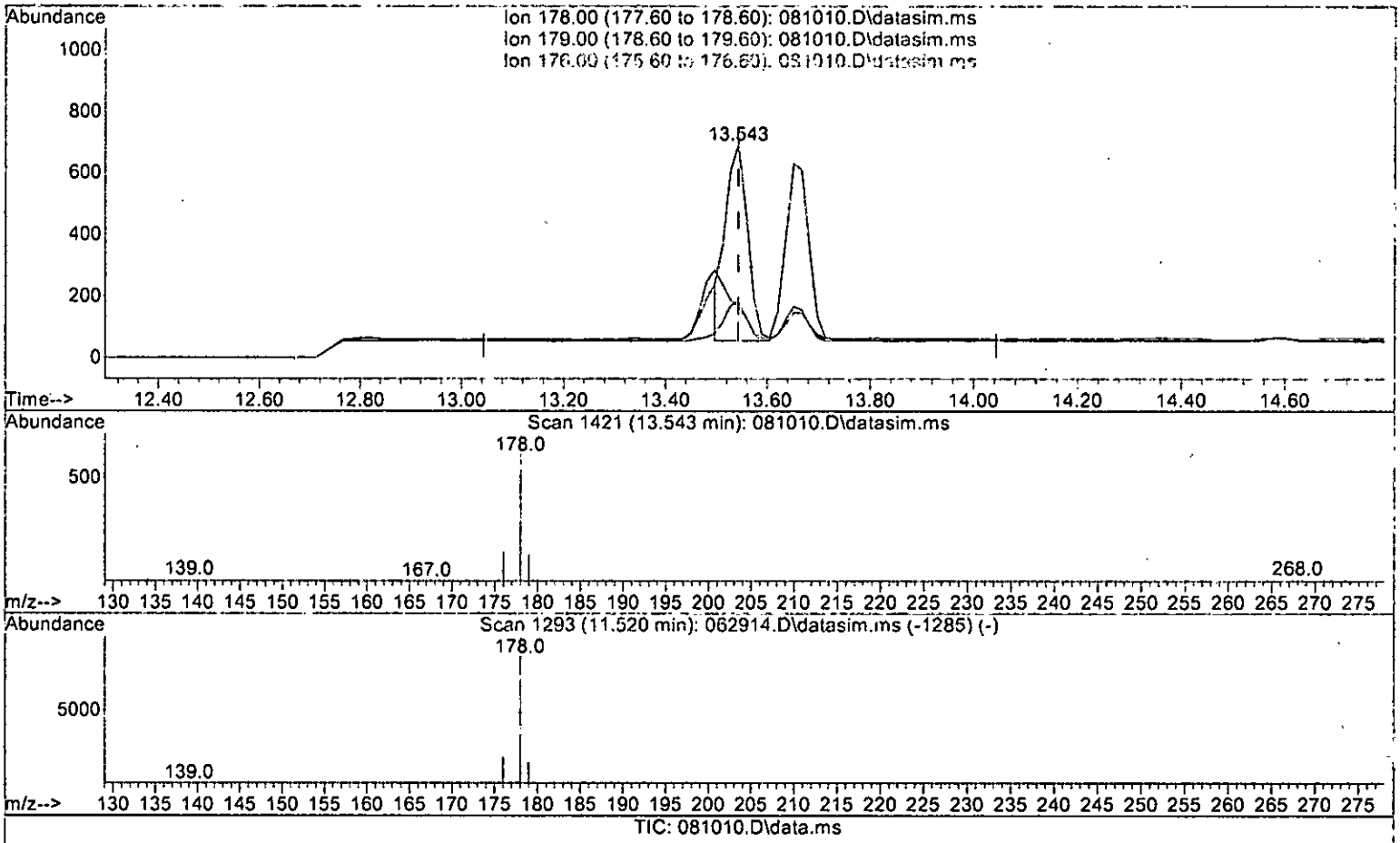
response 2352

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	16.51
176.00	19.00	20.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081010.D\data.ms

(61) Phenanthrene (TMP)

13.543min (-0.001) 0.015 ug/ml m

response 1952

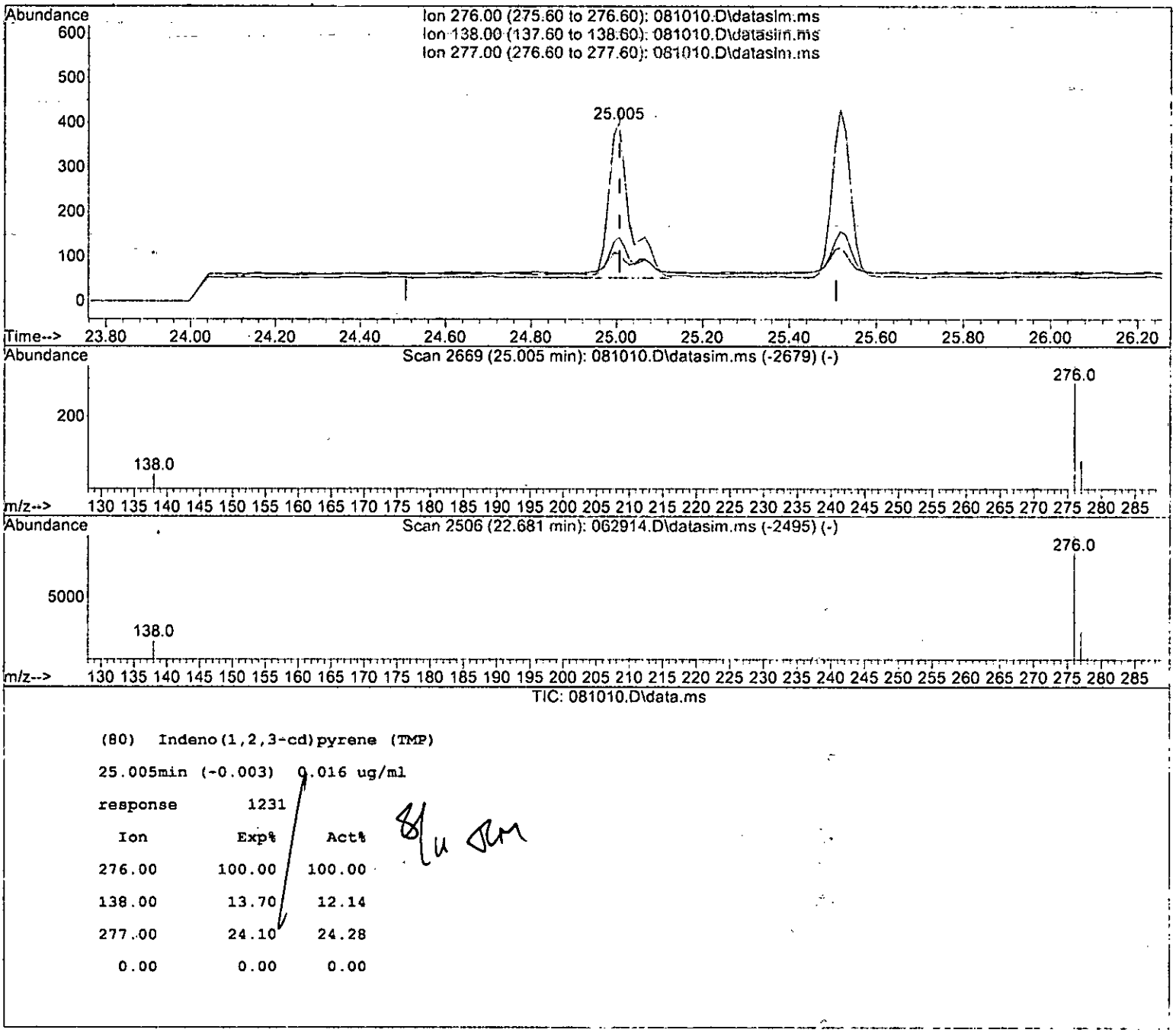
Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	24.31
176.00	19.00	26.48
0.00	0.00	0.00

8/11 dm

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(80) Indeno(1,2,3-cd)pyrene (TMP)

25.005min (-0.003) 0.016 ug/ml

response 1231

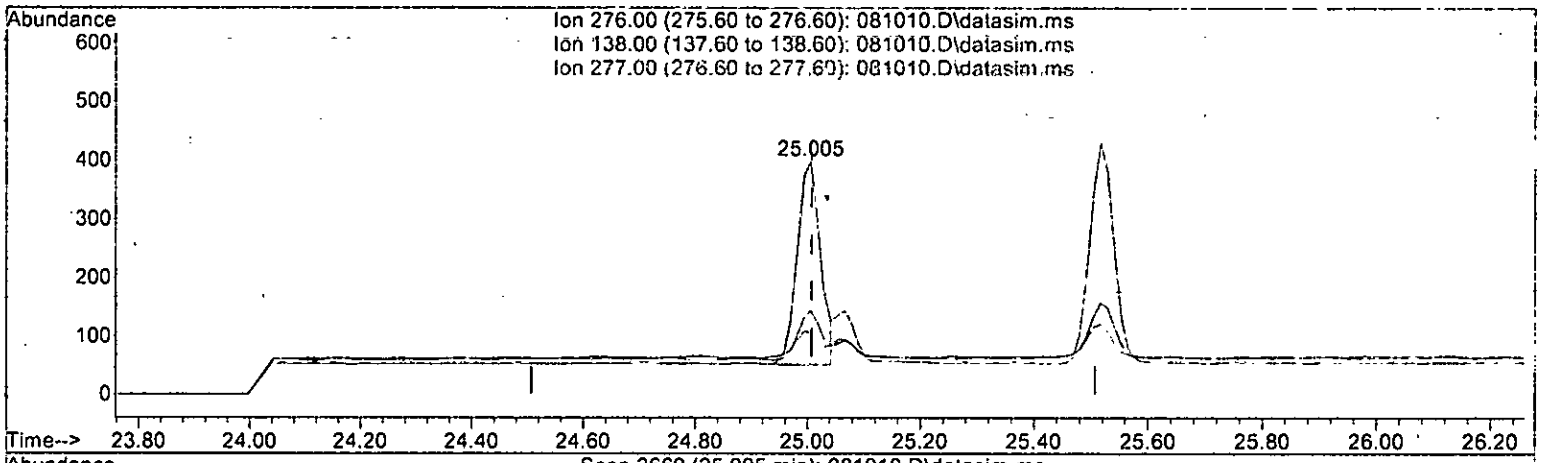
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	12.14
277.00	24.10	24.28
0.00	0.00	0.00

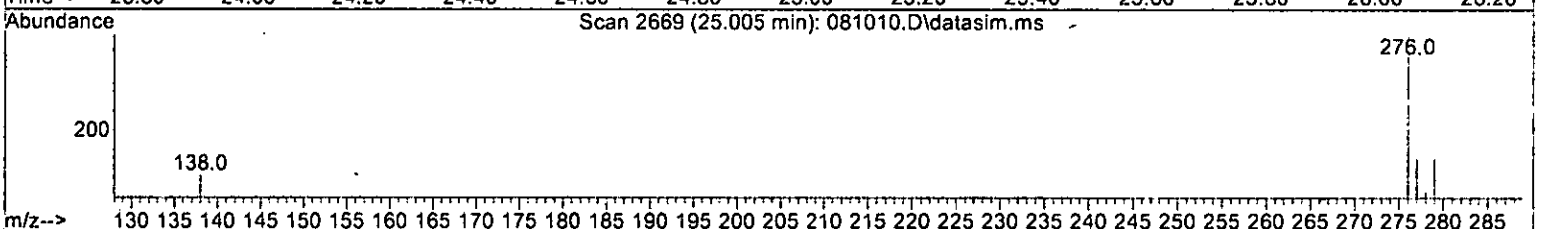
8/11 JRM

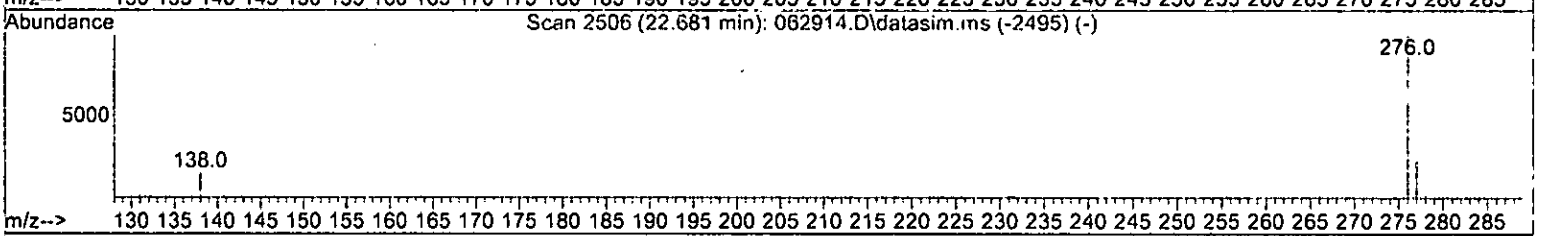
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:39:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081010.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.005min (-0.003) 0.013 ug/ml m

response 1019

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	26.82
277.00	24.10	36.09
0.00	0.00	0.00

8/11 JM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	-1.000	0.000	0.0	0	-3.11#
3	S	2-Fluorophenol	-1.000	0.000	0.0	0	-4.22#
4	S	Phenol-d6	-1.000	0.000	0.0	0	-5.13#
5	TMP	Phenol	-1.000	0.000	0.0	0	-5.15#
6	TMP	Bis(2-chloroethyl) ether	-1.000	0.000	0.0	0	-5.27#
7	TMP	2-Chlorophenol	-1.000	0.000	0.0	0	-5.34#
8	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-5.51#
9	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-5.58#
10	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-5.75#
11	TMP	Benzyl alcohol	-1.000	0.000	0.0	0	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	-1.000	0.000	0.0	0	-5.87#
13	TMP	2-Methylphenol	-1.000	0.000	0.0	0	-5.82#
14	TMP	Hexachloroethane	-1.000	0.000	0.0	0	-6.14#
15	TMP	N-Nitroso-di-n-propylamine	-1.000	0.000	0.0	0	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	-1.000	0.000	0.0	0	-6.00#
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	-1.000	0.000	0.0	0	-6.20#
19	TMP	Nitrobenzene	-1.000	0.000	0.0	0	-6.22#
20	TMP	Isophorone	-1.000	0.000	0.0	0	-6.52#
21	TMP	2-Nitrophenol	-1.000	0.000	0.0	0	-6.63#
22	TMP	2,4-Dimethylphenol	-1.000	0.000	0.0	0	-6.67#
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	-1.000	0.000	0.0	0	-6.81#
25	TMP	2,4-Dichlorophenol	-1.000	0.000	0.0	0	-6.94#
26	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-7.07#
27	TMP	Naphthalene	0.015	0.015	0.0	100	0.00
28	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-7.37#
29	TMP	4-Chloroaniline	-1.000	0.000	0.0	0	-7.26#
30	TMP	4-Chloro-3-methylphenol	-1.000	0.000	0.0	0	-8.00#
31	TMP	2-Methylnaphthalene	0.015	0.015	0.0	100	0.00
32	TMP	1-Methylnaphthalene	0.015	0.015	0.0	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	-1.000	0.000	0.0	0	-8.54#
35	TMP	2,4,6-Trichlorophenol	-1.000	0.000	0.0	0	-8.76#

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	-1.000	0.000	0.0	0	-8.81#
37	S	2-Fluorobiphenyl	-1.000	0.000	0.0	0	-8.93#
38	TMP	2-Chloronaphthalene	-1.000	0.000	0.0	0	-9.14#
39	TMP	2-Nitroaniline	-1.000	0.000	0.0	0	-9.33#
40	TMP	Dimethyl phthalate	-1.000	0.000	0.0	0	-9.74#
41	TMP	Acenaphthylene	0.015	0.014	6.7	100	0.00
42	TMP	2,6-Dinitrotoluene	-1.000	0.000	0.0	0	-9.83#
43	TMP	3-Nitroaniline	-1.000	0.000	0.0	0	-10.15#
44	TMP	Acenaphthene	0.015	0.015	0.0	101	0.00
45	TMP	2,4-Dinitrophenol	-1.000	0.000	0.0	0	-10.37#
46	TMP	Dibenzofuran	0.015	0.013	13.3	99	0.00
47	TMP	2,4-Dinitrotoluene	-1.000	0.000	0.0	0	-10.66#
48	TMP	4-Nitrophenol	-1.000	0.000	0.0	0	-10.51#
49	TMP	Diethyl phthalate	-1.000	0.000	0.0	0	-11.23#
50	TMP	Fluorene	0.015	0.015	0.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	-1.000	0.000	0.0	0	-11.43#
52	TMP	1,2-Diphenylhydrazine	-1.000	0.000	0.0	0	-11.78#
53	S	2,4,6-Tribromophenol	-1.000	0.000	0.0	0	-11.91#
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	-1.000	0.000	0.0	0	-11.70#
56	TMP	4-Nitroaniline	-1.000	0.000	0.0	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	-1.000	0.000	0.0	0	-11.52#
58	TMP	4-Bromophenyl phenyl ether	-1.000	0.000	0.0	0	-12.53#
59	TMP	Hexachlorobenzene	-1.000	0.000	0.0	0	-12.60#
60	TMP	Pentachlorophenol	-1.000	0.000	0.0	0	-13.06#
61	TMP	Phenanthrene	0.015	0.015	0.0	102	0.00
62	TMP	Anthracene	0.015	0.014	6.7	100	0.00
63	TMP	Carbazole	-1.000	0.015	0.0	0	0.00
64	TMP	Di-n-butyl phthalate	-1.000	0.000	0.0	0	-15.07#
65	TMP	Fluoranthene	0.015	0.014	6.7	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	-1.000	0.000	0.0	0	-16.77#
68	TMP	Pyrene	0.015	0.014	6.7	100	0.00
69	S	Terphenyl-d14	-1.000	0.000	0.0	0	-17.38#
70	TMP	Benzyl butyl phthalate	-1.000	0.000	0.0	0	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	-1.000	0.000	0.0	0	-19.82#
72	TMP	Benz(a)anthracene	0.015	0.015	0.0	100	0.01
73	TMP	Chrysene	0.015	0.014	6.7	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	-1.000	0.000	0.0	0	-20.14#
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	-1.000	0.000	0.0	0	-21.64#
77	TMP	Benzo(a)pyrene	0.015	0.014	6.7	100	0.00
78	TMP	Benzo(b)fluoranthene	0.015	0.014	6.7	100	0.00
79	TMP	Benzo(k)fluoranthene	0.015	0.014	6.7	100	-0.01
80	TMP	Indeno(1,2,3-cd)pyrene	0.015	0.013	13.3	101	0.00
81	TMP	Dibenz(a,h)anthracene	0.015	0.013	13.3	100	0.00
82	TMP	Benzo(g,h,i)perylene	0.015	0.013	13.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.000#	100.0#	0#	-3.11#
3	S	2-Fluorophenol	1.064	0.000#	100.0#	0#	-4.22#
4	S	Phenol-d6	1.279	0.000#	100.0#	0#	-5.13#
5	TMP	Phenol	1.625	0.000#	100.0#	0#	-5.15#
6	TMP	Bis(2-chloroethyl) ether	1.254	0.000#	100.0#	0#	-5.27#
7	TMP	2-Chlorophenol	1.210	0.000#	100.0#	0#	-5.34#
8	TMP	1,3-Dichlorobenzene	1.446	0.000#	100.0#	0#	-5.51#
9	TMP	1,4-Dichlorobenzene	1.421	0.000#	100.0#	0#	-5.58#
10	TMP	1,2-Dichlorobenzene	1.413	0.000#	100.0#	0#	-5.75#
11	TMP	Benzyl alcohol	0.768	0.000#	100.0#	0#	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	0.000#	100.0#	0#	-5.87#
13	TMP	2-Methylphenol	1.055	0.000#	100.0#	0#	-5.82#
14	TMP	Hexachloroethane	0.629	0.000#	100.0#	0#	-6.14#
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.000#	100.0#	0#	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	1.090	0.000#	100.0#	0#	-6.00#
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.000#	100.0#	0#	-6.20#
19	TMP	Nitrobenzene	0.414	0.000#	100.0#	0#	-6.22#
20	TMP	Isophorone	0.690	0.000#	100.0#	0#	-6.52#
21	TMP	2-Nitrophenol	0.173	0.000#	100.0#	0#	-6.63#
22	TMP	2,4-Dimethylphenol	0.379	0.000#	100.0#	0#	-6.67#
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.000#	100.0#	0#	-6.81#
25	TMP	2,4-Dichlorophenol	0.319	0.000#	100.0#	0#	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.400	0.000#	100.0#	0#	-7.07#
27	TMP	Naphthalene	1.188	1.222	-2.9	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.000#	100.0#	0#	-7.37#
29	TMP	4-Chloroaniline	0.433	0.000#	100.0#	0#	-7.26#
30	TMP	4-Chloro-3-methylphenol	0.322	0.000#	100.0#	0#	-8.00#
31	TMP	2-Methylnaphthalene	0.757	0.746	1.5	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.728	-0.3	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	0.538	0.000#	100.0#	0#	-8.54#
35	TMP	2,4,6-Trichlorophenol	0.482	0.000#	100.0#	0#	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.000#	100.0#	0#	-8.81#
37	S	2-Fluorobiphenyl	1.406	0.000#	100.0#	0#	-8.93#
38	TMP	2-Chloronaphthalene	1.237	0.000#	100.0#	0#	-9.14#
39	TMP	2-Nitroaniline	0.437	0.000#	100.0#	0#	-9.33#
40	TMP	Dimethyl phthalate	1.457	0.000#	100.0#	0#	-9.74#
41	TMP	Acenaphthylene	2.125	2.011	5.4	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.000#	100.0#	0#	-9.83#
43	TMP	3-Nitroaniline	0.498	0.000#	100.0#	0#	-10.15#
44	TMP	Acenaphthene	1.489	1.472	1.1	101	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.000#	100.0#	0#	-10.37#
46	TMP	Dibenzofuran	2.346	2.074	11.6	99	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.000#	100.0#	0#	-10.66#
48	TMP	4-Nitrophenol	0.297	0.000#	100.0#	0#	-10.51#
49	TMP	Diethyl phthalate	1.527	0.000#	100.0#	0#	-11.23#
50	TMP	Fluorene	1.536	1.499	2.4	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.000#	100.0#	0#	-11.43#
52	TMP	1,2-Diphenylhydrazine	1.356	0.000#	100.0#	0#	-11.78#
53	S	2,4,6-Tribromophenol	0.293	0.000#	100.0#	0#	-11.91#
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.000#	100.0#	0#	-11.70#
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.000#	100.0#	0#	-11.52#
58	TMP	4-Bromophenyl phenyl ether	0.242	0.000#	100.0#	0#	-12.53#
59	TMP	Hexachlorobenzene	0.293	0.000#	100.0#	0#	-12.60#
60	TMP	Pentachlorophenol	0.207	0.000#	100.0#	0#	-13.06#
61	TMP	Phenanthrene	1.202	1.213	-0.9	102	0.00
62	TMP	Anthracene	1.177	1.123	4.6	100	0.00
63	TMP	Carbazole	0.901	0.000#	100.0#	0#	0.00
64	TMP	Di-n-butyl phthalate	1.289	0.000#	100.0#	0#	-15.07#
65	TMP	Fluoranthene	1.367	1.305	4.5	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.000#	100.0#	0#	-16.77#
68	TMP	Pyrene	1.674	1.564	6.6	100	0.00
69	S	Terphenyl-d14	1.068	0.000#	100.0#	0#	-17.38#
70	TMP	Benzyl butyl phthalate	0.556	0.000#	100.0#	0#	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.000#	100.0#	0#	-19.82#
72	TMP	Benz(a)anthracene	1.637	3.011	-83.9#	100	0.01
73	TMP	Chrysene	1.403	1.352	3.6	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.000#	100.0#	0#	-20.14#
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	0.000#	100.0#	0#	-21.64#
77	TMP	Benzo(a)pyrene	1.223	1.125	8.0	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.397	7.0	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.310	9.2	100	-0.01
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	0.862	14.3	101	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	0.838	16.6	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	0.945	10.0	100	0.00

(#) = Out of Range SPCC's out = 51 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	221935	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	742774	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	420937	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.49	188	858321	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	744638	8.000	ug/ml	0.00
75) Perylene-d12	22.99	264	630508	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.00	112	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 60		Recovery =	0.00%#		
4) Phenol-d6	0.00	99	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 49		Recovery =	0.00%#		
18) Nitrobenzene-d5	0.00	82	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 15 - 144		Recovery =	0.00%#		
37) 2-Fluorobiphenyl	0.00	172	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 25 - 128		Recovery =	0.00%#		
53) 2,4,6-Tribromophenol	0.00	330	0	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 142		Recovery =	0.00%#		
69) Terphenyl-d14	0.00	244	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 41 - 138		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	0.00		0	N.D.	d	
6) Bis(2-chloroethyl) ether	0.00		0	N.D.		
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
9) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
10) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
11) Benzyl alcohol	0.00		0	N.D.	d	
12) 2,2'-Oxybis(1-chloropr...	0.00		0	N.D.	d	
13) 2-Methylphenol	0.00		0	N.D.	d	
14) Hexachloroethane	0.00		0	N.D.		
15) N-Nitroso-di-n-propyla...	0.00		0	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.	d	
19) Nitrobenzene	0.00		0	N.D.	d	
20) Isophorone	0.00		0	N.D.	d	
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	0.00		0	N.D.	d	
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	0.00		0	N.D.	d	
25) 2,4-Dichlorophenol	0.00		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
27] Naphthalene	7.18	128	1702	0.015	ug/ml	99
28) Hexachlorobutadiene	0.00		0	N.D.	d	
29) 4-Chloroaniline	0.00		0	N.D.	d	
30) 4-Chloro-3-methylphenol	0.00		0	N.D.		
31] 2-Methylnaphthalene	8.27	142	1039	0.015	ug/ml	98
32] 1-Methylnaphthalene	8.44	142	1014	0.015	ug/ml	100
34) Hexachlorocyclopentadiene	0.00		0	N.D.	d	
35) 2,4,6-Trichlorophenol	0.00		0	N.D.	d	
36) 2,4,5-Trichlorophenol	0.00		0	N.D.	d	
38) 2-Chloronaphthalene	0.00		0	N.D.	d	
39) 2-Nitroaniline	0.00		0	N.D.		
40) Dimethyl phthalate	0.00		0	N.D.	d	
41] Acenaphthylene	9.93	152	1587	0.014	ug/ml	99
42) 2,6-Dinitrotoluene	0.00		0	N.D.	d	
43) 3-Nitroaniline	0.00		0	N.D.	d	
44] Acenaphthene	10.28	153	1162m	0.015	ug/ml	
45) 2,4-Dinitrophenol	0.00		0	N.D.		
46] Dibenzofuran	10.66	168	1637m	0.013	ug/ml	
47) 2,4-Dinitrotoluene	0.00		0	N.D.		
48) 4-Nitrophenol	0.00		0	N.D.		
49) Diethyl phthalate	0.00		0	N.D.	d	
50] Fluorene	11.38	166	1183	0.015	ug/ml	99
51) 4-Chlorophenyl phenyl ...	0.00		0	N.D.	d	
52) 1,2-Diphenylhydrazine	0.00		0	N.D.	d	
55) N-Nitrosodiphenylamine	0.00		0	N.D.	d	
56) 4-Nitroaniline	0.00		0	N.D.		
57) 4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58) 4-Bromophenyl phenyl e...	0.00		0	N.D.		
59) Hexachlorobenzene	0.00		0	N.D.		
60) Pentachlorophenol	0.00		0	N.D.	d	
61] Phenanthrene	13.54	178	1952m	0.015	ug/ml	
62] Anthracene	13.65	178	1807	0.014	ug/ml	100
63] Carbazole	14.07	167	1435	0.015	ug/ml	97
64) Di-n-butyl phthalate	0.00		0	N.D.	d	
65] Fluoranthene	16.35	202	2101	0.014	ug/ml	96
67) Benzidine	0.00		0	N.D.		
68] Pyrene	16.88	202	2183	0.014	ug/ml	95
70) Benzyl butyl phthalate	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

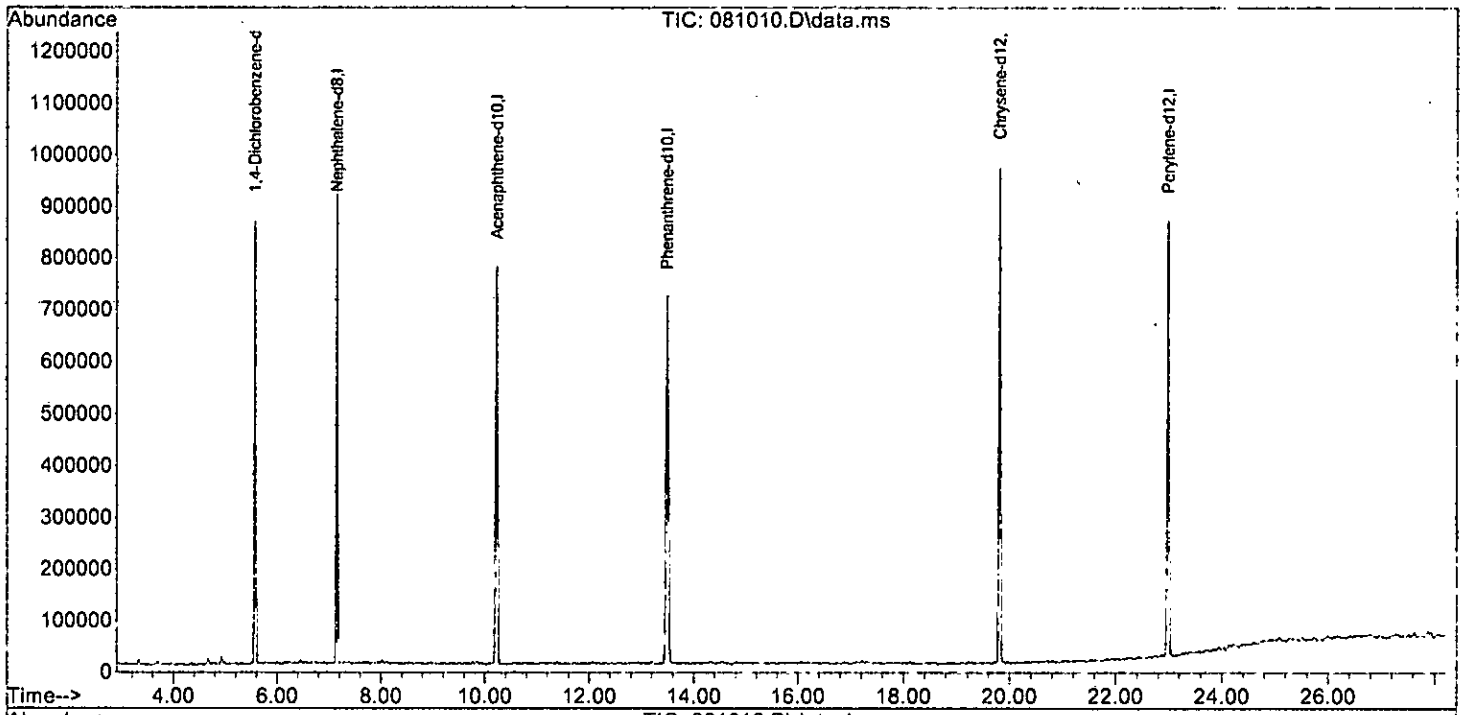
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72] Benz(a)anthracene	19.80	228	4204	0.015	ug/ml	80
73] Chrysene	19.86	228	1887	0.014	ug/ml	99
74) Bis(2-ethylhexyl) phth...	0.00		0	N.D.	d	
76) Di-n-octyl phthalate	0.00		0	N.D.	d	
77] Benzo(a)pyrene	22.86	252	1330	0.014	ug/ml	99
78] Benzo(b)fluoranthene	22.20	252	1652	0.014	ug/ml	99
79] Benzo(k)fluoranthene	22.26	252	1549	0.014	ug/ml	97
80] Indeno(1,2,3-cd)pyrene	25.01	276	1019m	0.013	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	991	0.013	ug/ml	99
82] Benzo(g,h,i)perylene	25.52	276	1117	0.013	ug/ml	97

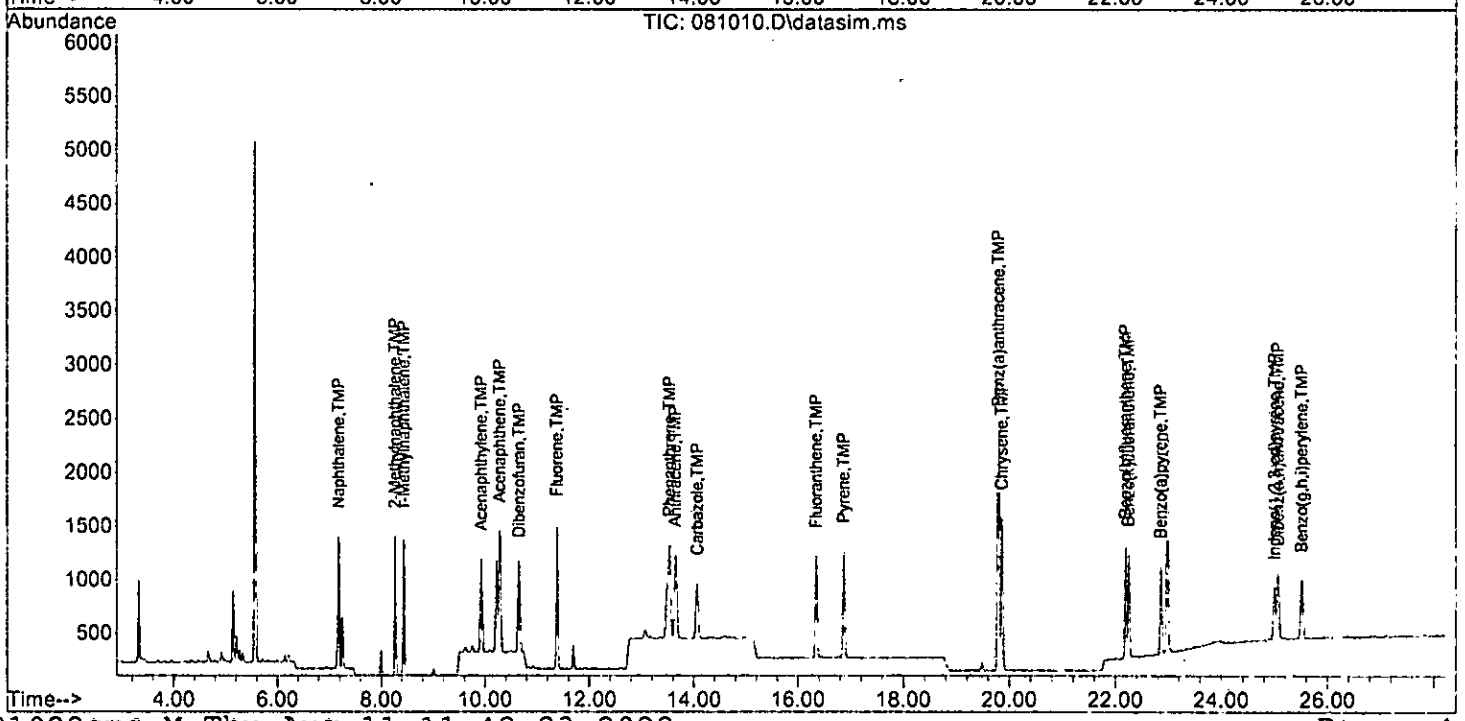
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081010.D
Acq On : 10 Aug 2022 3:55 pm
Operator : VM
Sample : 0.015 ug/ml 8270 ICAL 67-21C
Misc :
ALS Vial : 112 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:45:44 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

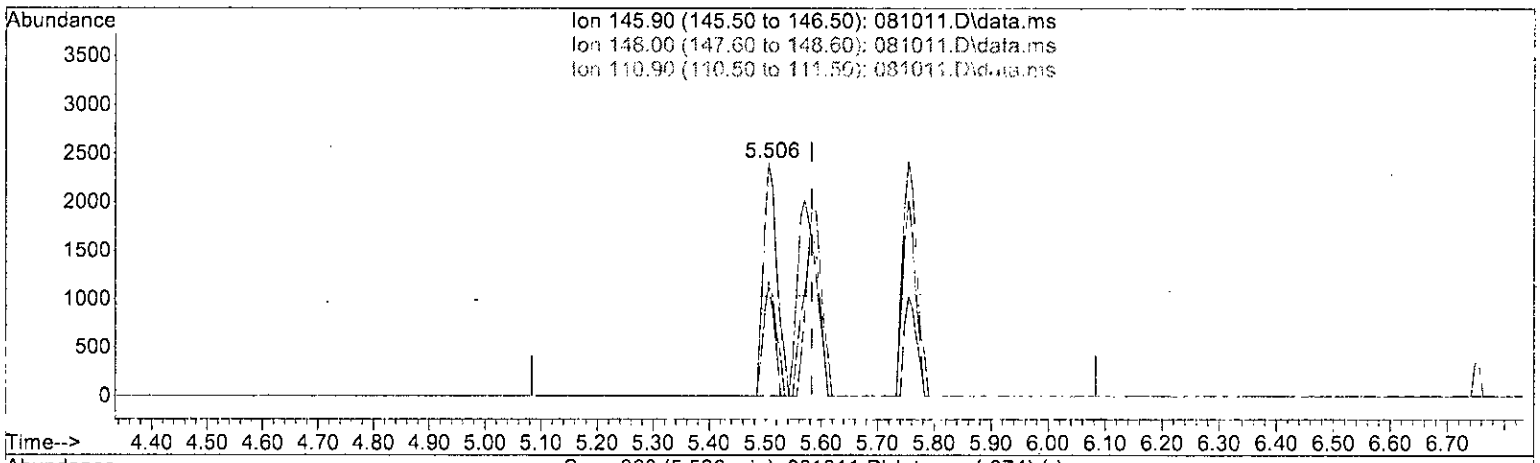


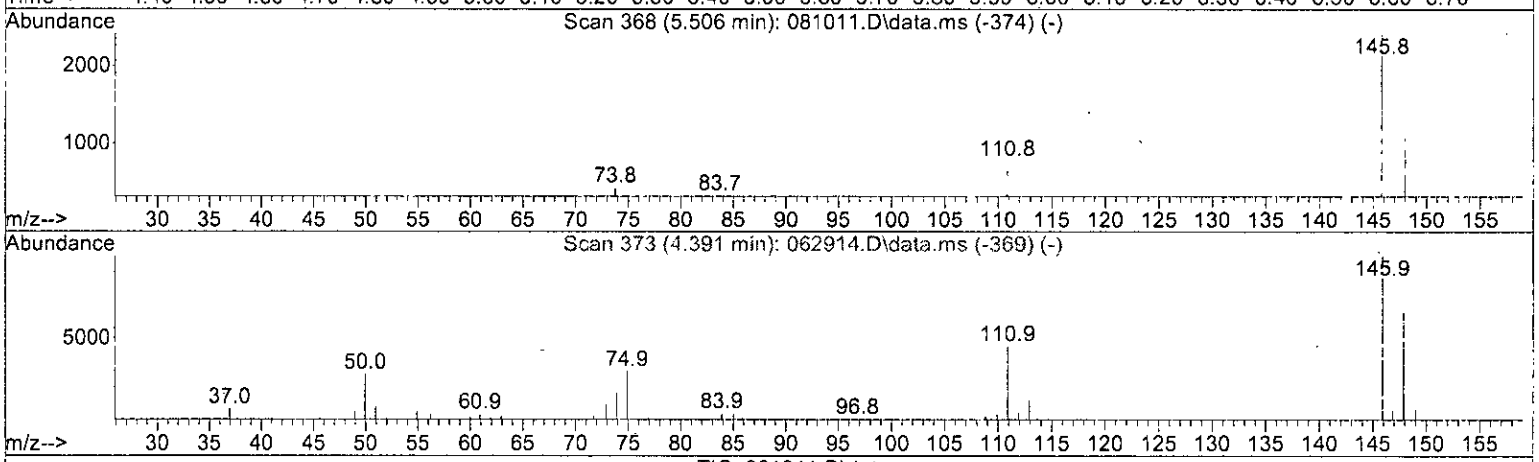


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081011.D\data.ms

(9) 1,4-Dichlorobenzene (TMP)

5.506min (-0.078) 0.112 ug/ml

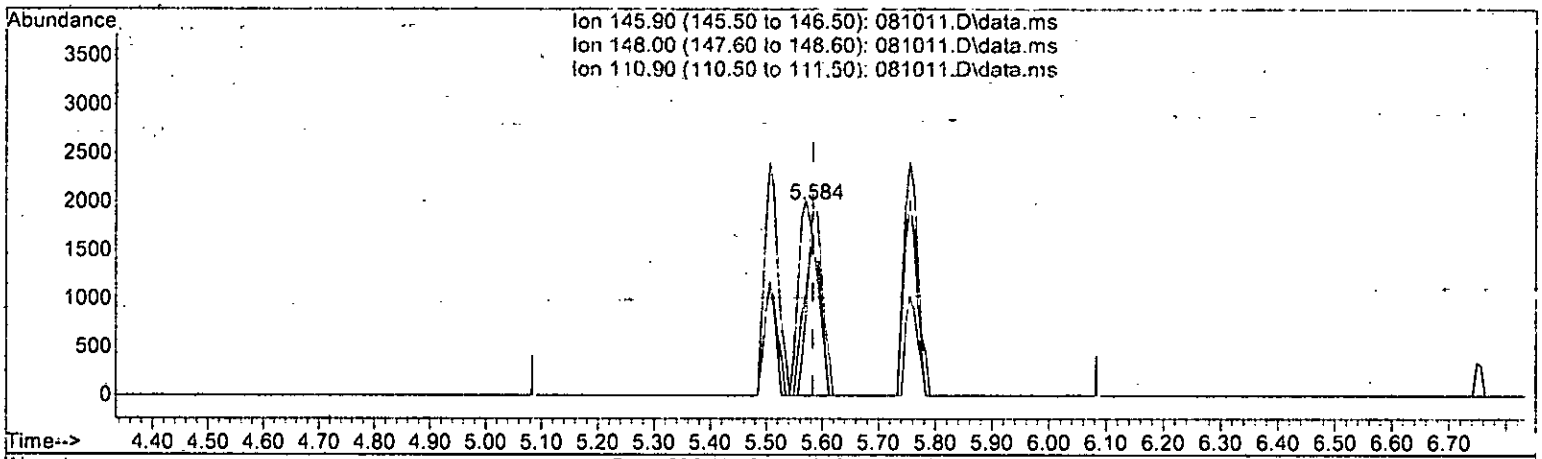
response 4090

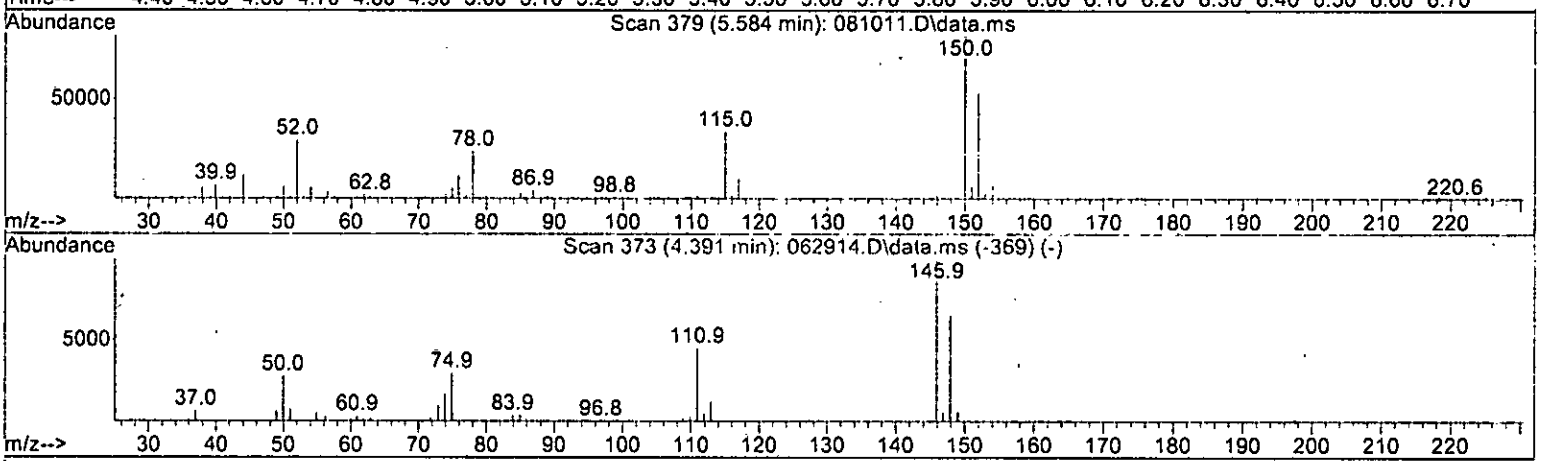
Ion	Exp%	Act%
145.90	100.00	100.00
148.00	61.80	46.53
110.90	43.20	48.98
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081011.D\data.ms

(9) 1,4-Dichlorobenzene (TMP)

5.584min (+ 0.000) 0.104 ug/ml m

response 3793

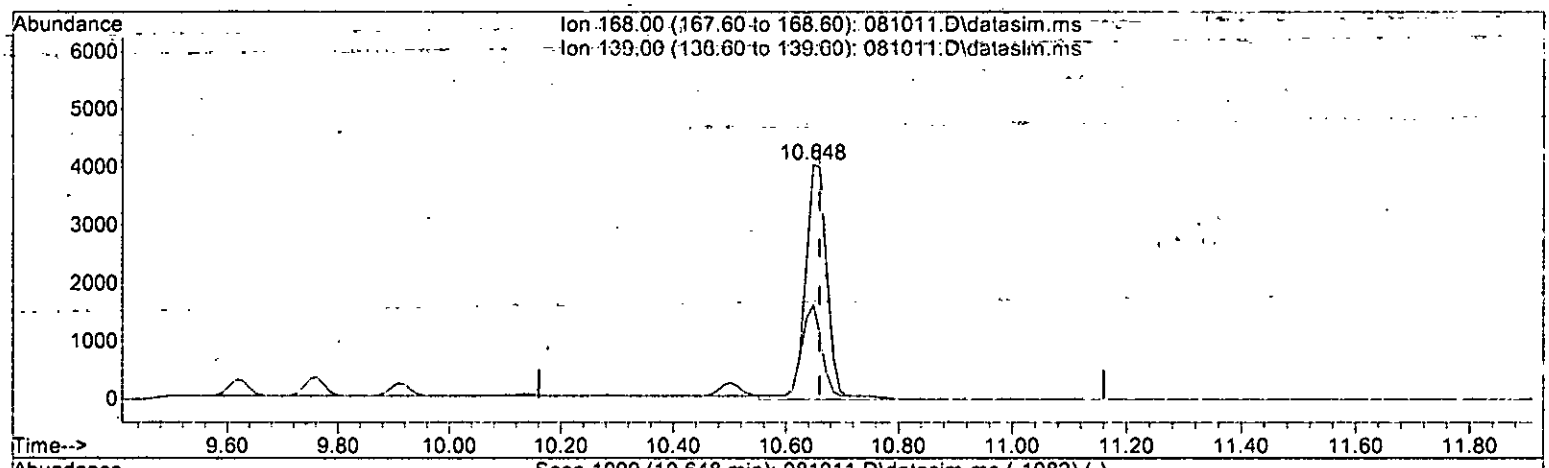
Ion	Exp%	Act%
145.90	100.00	100.00
148.00	61.80	84.42
110.90	43.20	80.17#
0.00	0.00	0.00

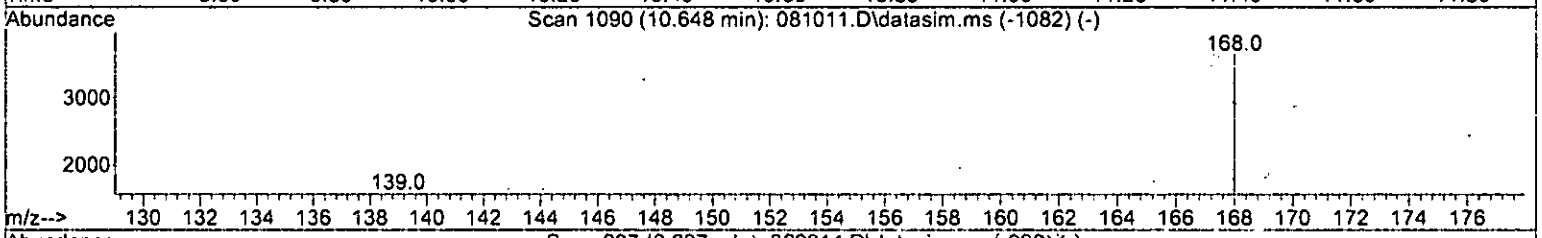
8/11 am

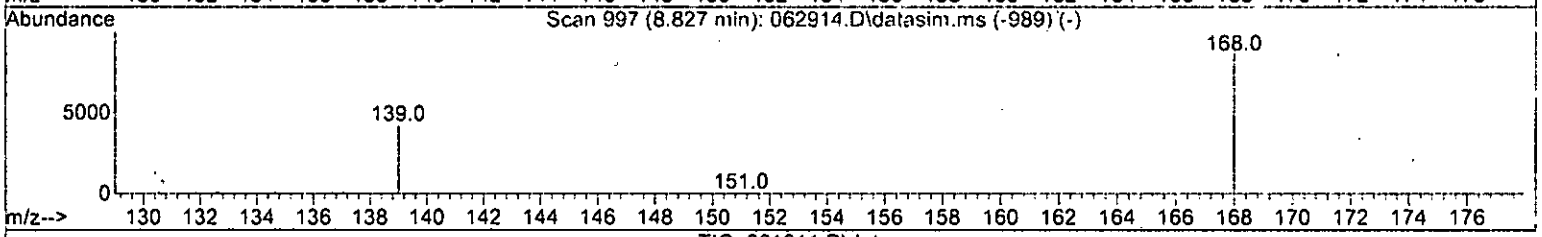
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081011.D\data.ms

(46) Dibenzofuran (TMP)

10.648min (-0.013) 0.110 ug/ml

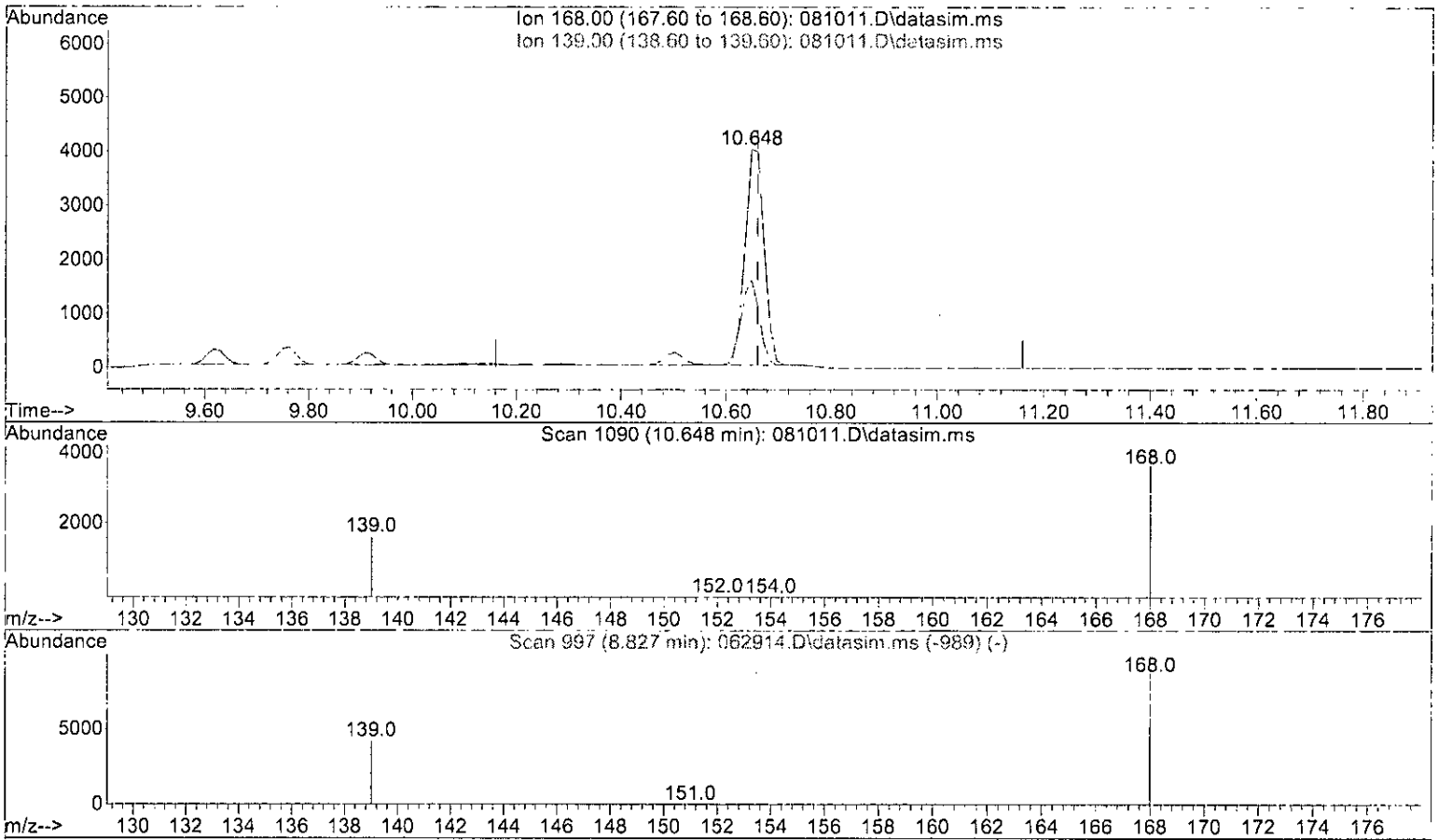
response 12545

Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	40.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081011.D\data.ms

(46) Dibenzofuran (TMP)

10.648min (-0.013) 0.090 ug/ml m

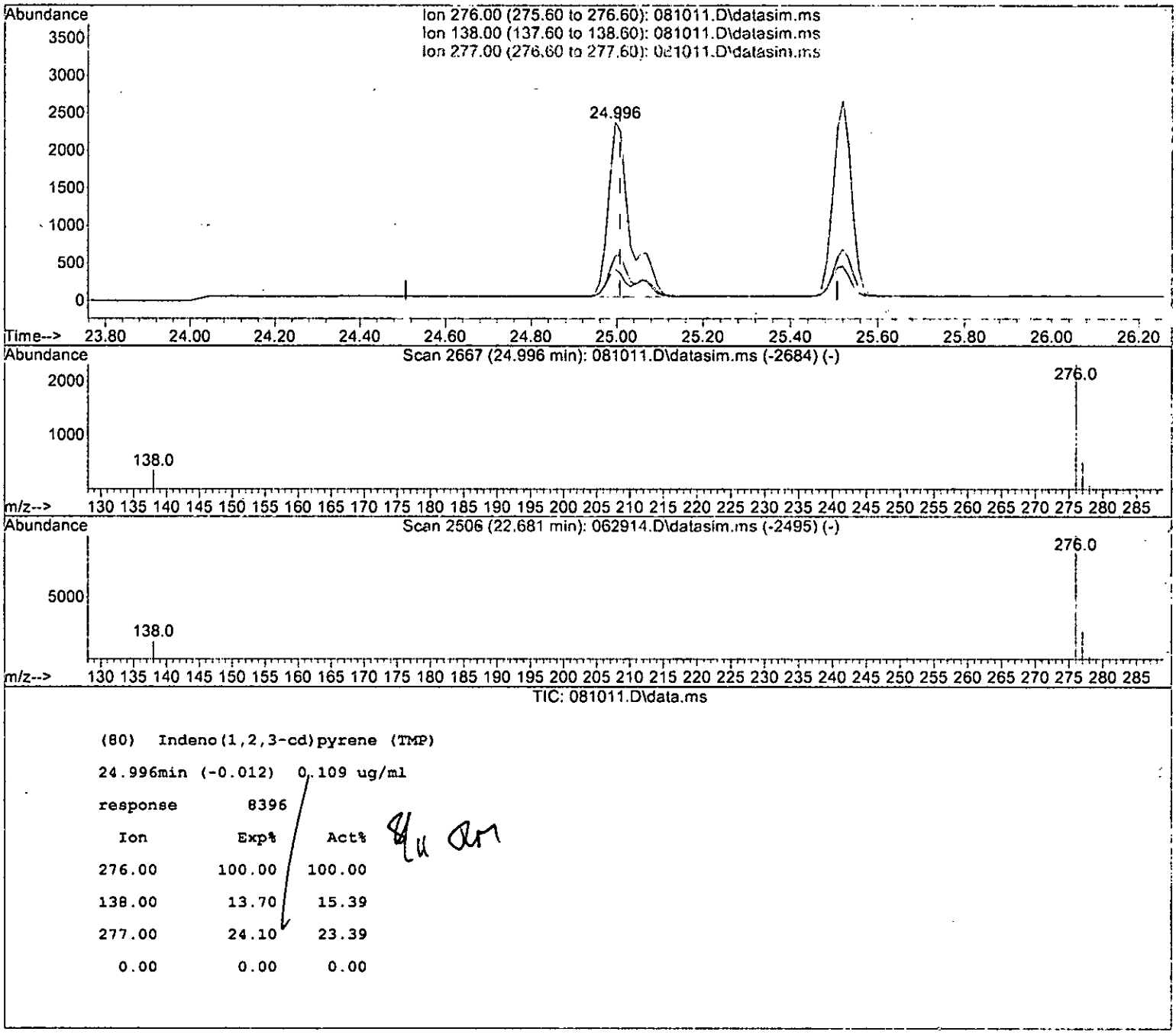
response 10275

Ion	Exp%	Act%
168.00	100.00	100.00
139.00	27.90	40.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081011.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.996min (-0.012) 0.109 ug/ml

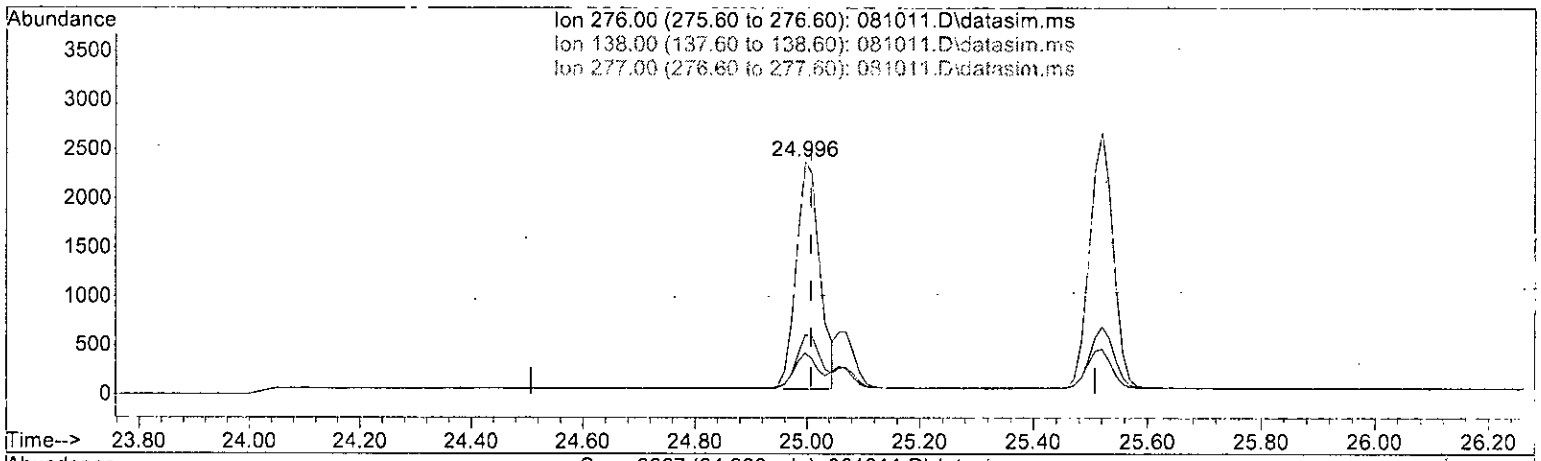
response 8396

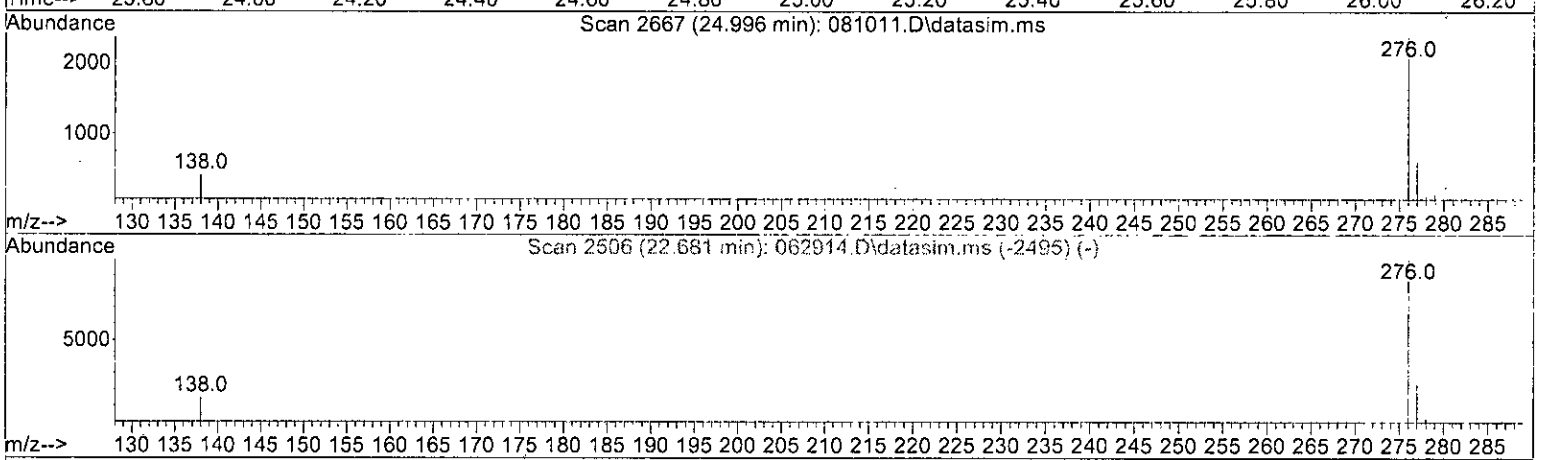
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	15.39
277.00	24.10	23.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:01 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081011.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.996min (-0.012) 0.091 ug/ml m

response 6998

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	17.74
277.00	24.10	25.39
0.00	0.00	0.00

8/11 DM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	-1.000	0.000	0.0	0	-3.11#
3	S	2-Fluorophenol	-1.000	0.000	0.0	0	-4.22#
4	S	Phenol-d6	-1.000	0.000	0.0	0	-5.13#
5	TMP	Phenol	-1.000	0.000	0.0	0	-5.15#
6	TMP	Bis(2-chloroethyl) ether	-1.000	0.000	0.0	0	-5.27#
7	TMP	2-Chlorophenol	-1.000	0.000	0.0	0	-5.34#
8	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-5.51#
9	TMP	1,4-Dichlorobenzene	0.100	0.104	-4.0	100	0.00
10	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-5.75#
11	TMP	Benzyl alcohol	-1.000	0.000	0.0	0	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	-1.000	0.000	0.0	0	-5.87#
13	TMP	2-Methylphenol	-1.000	0.000	0.0	0	-5.82#
14	TMP	Hexachloroethane	0.100	0.107	-7.0	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	-1.000	0.000	0.0	0	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	-1.000	0.000	0.0	0	-6.00#
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	-1.000	0.000	0.0	0	-6.20#
19	TMP	Nitrobenzene	-1.000	0.000	0.0	0	-6.22#
20	TMP	Isophorone	-1.000	0.000	0.0	0	-6.52#
21	TMP	2-Nitrophenol	-1.000	0.000	0.0	0	-6.63#
22	TMP	2,4-Dimethylphenol	-1.000	0.000	0.0	0	-6.67#
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	-1.000	0.000	0.0	0	-6.81#
25	TMP	2,4-Dichlorophenol	-1.000	0.000	0.0	0	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.100	0.101	-1.0	100	0.00
27	TMP	Naphthalene	0.100	0.099	1.0	100	0.00
28	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-7.37#
29	TMP	4-Chloroaniline	-1.000	0.000	0.0	0	-7.26#
30	TMP	4-Chloro-3-methylphenol	-1.000	0.000	0.0	0	-8.00#
31	TMP	2-Methylnaphthalene	0.100	0.100	0.0	100	0.00
32	TMP	1-Methylnaphthalene	0.100	0.099	1.0	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	-1.000	0.000	0.0	0	-8.54#
35	TMP	2,4,6-Trichlorophenol	-1.000	0.000	0.0	0	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	-1.000	0.000	0.0	0	-8.81#
37	S	2-Fluorobiphenyl	-1.000	0.000	0.0	0	-8.93#
38	TMP	2-Chloronaphthalene	-1.000	0.000	0.0	0	-9.14#
39	TMP	2-Nitroaniline	-1.000	0.000	0.0	0	-9.33#
40	TMP	Dimethyl phthalate	-1.000	0.000	0.0	0	-9.74#
41	TMP	Acenaphthylene	0.100	0.096	4.0	100	0.00
42	TMP	2,6-Dinitrotoluene	-1.000	0.000	0.0	0	-9.83#
43	TMP	3-Nitroaniline	-1.000	0.000	0.0	0	-10.15#
44	TMP	Acenaphthene	0.100	0.101	-1.0	100	0.00
45	TMP	2,4-Dinitrophenol	-1.000	0.000	0.0	0	-10.37#
46	TMP	Dibenzofuran	0.100	0.090	10.0	100	-0.01
47	TMP	2,4-Dinitrotoluene	-1.000	0.000	0.0	0	-10.66#
48	TMP	4-Nitrophenol	-1.000	0.000	0.0	0	-10.51#
49	TMP	Diethyl phthalate	-1.000	0.000	0.0	0	-11.23#
50	TMP	Fluorene	0.100	0.099	1.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	-1.000	0.000	0.0	0	-11.43#
52	TMP	1,2-Diphenylhydrazine	-1.000	0.000	0.0	0	-11.78#
53	S	2,4,6-Tribromophenol	-1.000	0.000	0.0	0	-11.91#
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	-1.000	0.000	0.0	0	-11.70#
56	TMP	4-Nitroaniline	-1.000	0.000	0.0	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	-1.000	0.000	0.0	0	-11.52#
58	TMP	4-Bromophenyl phenyl ether	-1.000	0.000	0.0	0	-12.53#
59	TMP	Hexachlorobenzene	-1.000	0.000	0.0	0	-12.60#
60	TMP	Pentachlorophenol	-1.000	0.000	0.0	0	-13.06#
61	TMP	Phenanthrene	0.100	0.099	1.0	100	0.00
62	TMP	Anthracene	0.100	0.096	4.0	100	0.00
63	TMP	Carbazole	-1.000	0.097	0.0	0	0.00
64	TMP	Di-n-butyl phthalate	-1.000	0.000	0.0	0	-15.07#
65	TMP	Fluoranthene	0.100	0.094	6.0	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	-1.000	0.000	0.0	0	-16.77#
68	TMP	Pyrene	0.100	0.092	8.0	100	0.00
69	S	Terphenyl-d14	-1.000	0.000	0.0	0	-17.38#
70	TMP	Benzyl butyl phthalate	-1.000	0.000	0.0	0	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	-1.000	0.000	0.0	0	-19.82#
72	TMP	Benz(a)anthracene	0.100	0.098	2.0	100	0.00
73	TMP	Chrysene	0.100	0.098	2.0	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	-1.000	0.000	0.0	0	-20.14#
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	-1.000	0.000	0.0	0	-21.64#
77	TMP	Benzo(a)pyrene	0.100	0.092	8.0	100	0.00
78	TMP	Benzo(b)fluoranthene	0.100	0.095	5.0	100	0.00
79	TMP	Benzo(k)fluoranthene	0.100	0.091	9.0	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	0.100	0.091	9.0	98	-0.01
81	TMP	Dibenz(a,h)anthracene	0.100	0.088	12.0	100	0.00
82	TMP	Benzo(g,h,i)perylene	0.100	0.094	6.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.000#	100.0#	0#	-3.11#
3	S	2-Fluorophenol	1.064	0.000#	100.0#	0#	-4.22#
4	S	Phenol-d6	1.279	0.000#	100.0#	0#	-5.13#
5	TMP	Phenol	1.625	0.000#	100.0#	0#	-5.15#
6	TMP	Bis(2-chloroethyl) ether	1.254	0.000#	100.0#	0#	-5.27#
7	TMP	2-Chlorophenol	1.210	0.000#	100.0#	0#	-5.34#
8	TMP	1,3-Dichlorobenzene	1.446	0.000#	100.0#	0#	-5.51#
9	TMP	1,4-Dichlorobenzene	1.421	1.481	-4.2	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	0.000#	100.0#	0#	-5.75#
11	TMP	Benzyl alcohol	0.768	0.000#	100.0#	0#	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	0.000#	100.0#	0#	-5.87#
13	TMP	2-Methylphenol	1.055	0.000#	100.0#	0#	-5.82#
14	TMP	Hexachloroethane	0.629	0.676	-7.5	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.000#	100.0#	0#	-6.02#
16	TMP	3-Methylphenol + 4-Methylph	1.090	0.000#	100.0#	0#	-6.00#
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.000#	100.0#	0#	-6.20#
19	TMP	Nitrobenzene	0.414	0.000#	100.0#	0#	-6.22#
20	TMP	Isophorone	0.690	0.000#	100.0#	0#	-6.52#
21	TMP	2-Nitrophenol	0.173	0.000#	100.0#	0#	-6.63#
22	TMP	2,4-Dimethylphenol	0.379	0.000#	100.0#	0#	-6.67#
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.000#	100.0#	0#	-6.81#
25	TMP	2,4-Dichlorophenol	0.319	0.000#	100.0#	0#	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.400	0.404	-1.0	100	0.00
27	TMP	Naphthalene	1.188	1.179	0.8	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.000#	100.0#	0#	-7.37#
29	TMP	4-Chloroaniline	0.433	0.000#	100.0#	0#	-7.26#
30	TMP	4-Chloro-3-methylphenol	0.322	0.000#	100.0#	0#	-8.00#
31	TMP	2-Methylnaphthalene	0.757	0.757	0.0	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.715	1.5	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.000#	100.0#	0#	-8.54#
35	TMP	2,4,6-Trichlorophenol	0.482	0.000#	100.0#	0#	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.000#	100.0#	0#	-8.81#
37	S	2-Fluorobiphenyl	1.406	0.000#	100.0#	0#	-8.93#
38	TMP	2-Chloronaphthalene	1.237	0.000#	100.0#	0#	-9.14#
39	TMP	2-Nitroaniline	0.437	0.000#	100.0#	0#	-9.33#
40	TMP	Dimethyl phthalate	1.457	0.000#	100.0#	0#	-9.74#
41	TMP	Acenaphthylene	2.125	2.042	3.9	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.000#	100.0#	0#	-9.83#
43	TMP	3-Nitroaniline	0.498	0.000#	100.0#	0#	-10.15#
44	TMP	Acenaphthene	1.489	1.507	-1.2	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.000#	100.0#	0#	-10.37#
46	TMP	Dibenzofuran	2.346	2.111	10.0	100	-0.01
47	TMP	2,4-Dinitrotoluene	0.373	0.000#	100.0#	0#	-10.66#
48	TMP	4-Nitrophenol	0.297	0.000#	100.0#	0#	-10.51#
49	TMP	Diethyl phthalate	1.527	0.000#	100.0#	0#	-11.23#
50	TMP	Fluorene	1.536	1.516	1.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.000#	100.0#	0#	-11.43#
52	TMP	1,2-Diphenylhydrazine	1.356	0.000#	100.0#	0#	-11.78#
53	S	2,4,6-Tribromophenol	0.293	0.000#	100.0#	0#	-11.91#
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.000#	100.0#	0#	-11.70#
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.000#	100.0#	0#	-11.52#
58	TMP	4-Bromophenyl phenyl ether	0.242	0.000#	100.0#	0#	-12.53#
59	TMP	Hexachlorobenzene	0.293	0.000#	100.0#	0#	-12.60#
60	TMP	Pentachlorophenol	0.207	0.000#	100.0#	0#	-13.06#
61	TMP	Phenanthrene	1.202	1.195	0.6	100	0.00
62	TMP	Anthracene	1.177	1.132	3.8	100	0.00
63	TMP	Carbazole	0.901	0.000#	100.0#	0#	0.00
64	TMP	Di-n-butyl phthalate	1.289	0.000#	100.0#	0#	-15.07#
65	TMP	Fluoranthene	1.367	1.289	5.7	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.000#	100.0#	0#	-16.77#
68	TMP	Pyrene	1.674	1.546	7.6	100	0.00
69	S	Terphenyl-d14	1.068	0.000#	100.0#	0#	-17.38#
70	TMP	Benzyl butyl phthalate	0.556	0.000#	100.0#	0#	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.000#	100.0#	0#	-19.82#
72	TMP	Benz(a)anthracene	1.637	1.612	1.5	100	0.00
73	TMP	Chrysene	1.403	1.368	2.5	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.000#	100.0#	0#	-20.14#
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	0.000#	100.0#	0#	-21.64#
77	TMP	Benzo(a)pyrene	1.223	1.120	8.4	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.427	5.0	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.307	9.4	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	0.911	9.4	98	-0.01
81	TMP	Dibenz(a,h)anthracene	1.005	0.886	11.8	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	0.991	5.6	100	0.00

(#) = Out of Range SPCC's out = 48 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	204825	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	698963	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	389348	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	839193	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	718174	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	614703	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.00	112	0d	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 60		Recovery =	0.00%#		
4) Phenol-d6	0.00	99	0d	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 49		Recovery =	0.00%#		
18) Nitrobenzene-d5	0.00	82	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 15 - 144		Recovery =	0.00%#		
37) 2-Fluorobiphenyl	0.00	172	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 25 - 128		Recovery =	0.00%#		
53) 2,4,6-Tribromophenol	0.00	330	0d	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 142		Recovery =	0.00%#		
69) Terphenyl-d14	0.00	244	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 41 - 138		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.	d	
5) Phenol	0.00		0	N.D.	d	
6) Bis(2-chloroethyl) ether	0.00		0	N.D.	d	
7) 2-Chlorophenol	0.00		0	N.D.	d	
8) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
9) 1,4-Dichlorobenzene	5.58	146	3793m	0.104	ug/ml	
10) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
11) Benzyl alcohol	0.00		0	N.D.	d	
12) 2,2'-Oxybis(1-chloropr...	0.00		0	N.D.	d	
13) 2-Methylphenol	0.00		0	N.D.	d	
14) Hexachloroethane	6.14	117	1731	0.107	ug/ml#	67
15) N-Nitroso-di-n-propyla...	0.00		0	N.D.	d	
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.	d	
19) Nitrobenzene	0.00		0	N.D.	d	
20) Isophorone	0.00		0	N.D.	d	
21) 2-Nitrophenol	0.00		0	N.D.	d	
22) 2,4-Dimethylphenol	0.00		0	N.D.	d	
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	0.00		0	N.D.	d	
25) 2,4-Dichlorophenol	0.00		0	N.D.	d	
26) 1,2,4-Trichlorobenzene	7.08	180	3531	0.101	ug/ml	97
27] Naphthalene	7.18	128	10304	0.099	ug/ml	100
28) Hexachlorobutadiene	0.00		0	N.D.	d	
29) 4-Chloroaniline	0.00		0	N.D.	d	
30) 4-Chloro-3-methylphenol	0.00		0	N.D.	d	
31] 2-Methylnaphthalene	8.27	142	6614	0.100	ug/ml	99
32] 1-Methylnaphthalene	8.44	142	6251	0.099	ug/ml	100
34) Hexachlorocyclopentadiene	0.00		0	N.D.	d	
35) 2,4,6-Trichlorophenol	0.00		0	N.D.	d	
36) 2,4,5-Trichlorophenol	0.00		0	N.D.	d	
38) 2-Chloronaphthalene	0.00		0	N.D.	d	
39) 2-Nitroaniline	0.00		0	N.D.	d	
40) Dimethyl phthalate	0.00		0	N.D.	d	
41] Acenaphthylene	9.93	152	9937	0.096	ug/ml	99
42) 2,6-Dinitrotoluene	0.00		0	N.D.	d	
43) 3-Nitroaniline	0.00		0	N.D.	d	
44] Acenaphthene	10.28	153	7336	0.101	ug/ml	99
45) 2,4-Dinitrophenol	0.00		0	N.D.		
46] Dibenzofuran	10.65	168	10275m	0.090	ug/ml	
47) 2,4-Dinitrotoluene	0.00		0	N.D.	d	
48) 4-Nitrophenol	0.00		0	N.D.		
49) Diethyl phthalate	0.00		0	N.D.	d	
50] Fluorene	11.39	166	7380	0.099	ug/ml	98
51) 4-Chlorophenyl phenyl ...	0.00		0	N.D.	d	
52) 1,2-Diphenylhydrazine	0.00		0	N.D.	d	
55) N-Nitrosodiphenylamine	0.00		0	N.D.	d	
56) 4-Nitroaniline	0.00		0	N.D.	d	
57) 4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58) 4-Bromophenyl phenyl e...	0.00		0	N.D.	d	
59) Hexachlorobenzene	0.00		0	N.D.	d	
60) Pentachlorophenol	0.00		0	N.D.	d	
61] Phenanthrene	13.54	178	12533	0.099	ug/ml	100
62] Anthracene	13.65	178	11878	0.096	ug/ml	99
63] Carbazole	14.07	167	9182	0.097	ug/ml	99
64) Di-n-butyl phthalate	0.00		0	N.D.	d	
65] Fluoranthene	16.35	202	13518	0.094	ug/ml	98
67) Benzidine	0.00		0	N.D.	d	
68] Pyrene	16.87	202	13876	0.092	ug/ml	99
70) Benzyl butyl phthalate	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

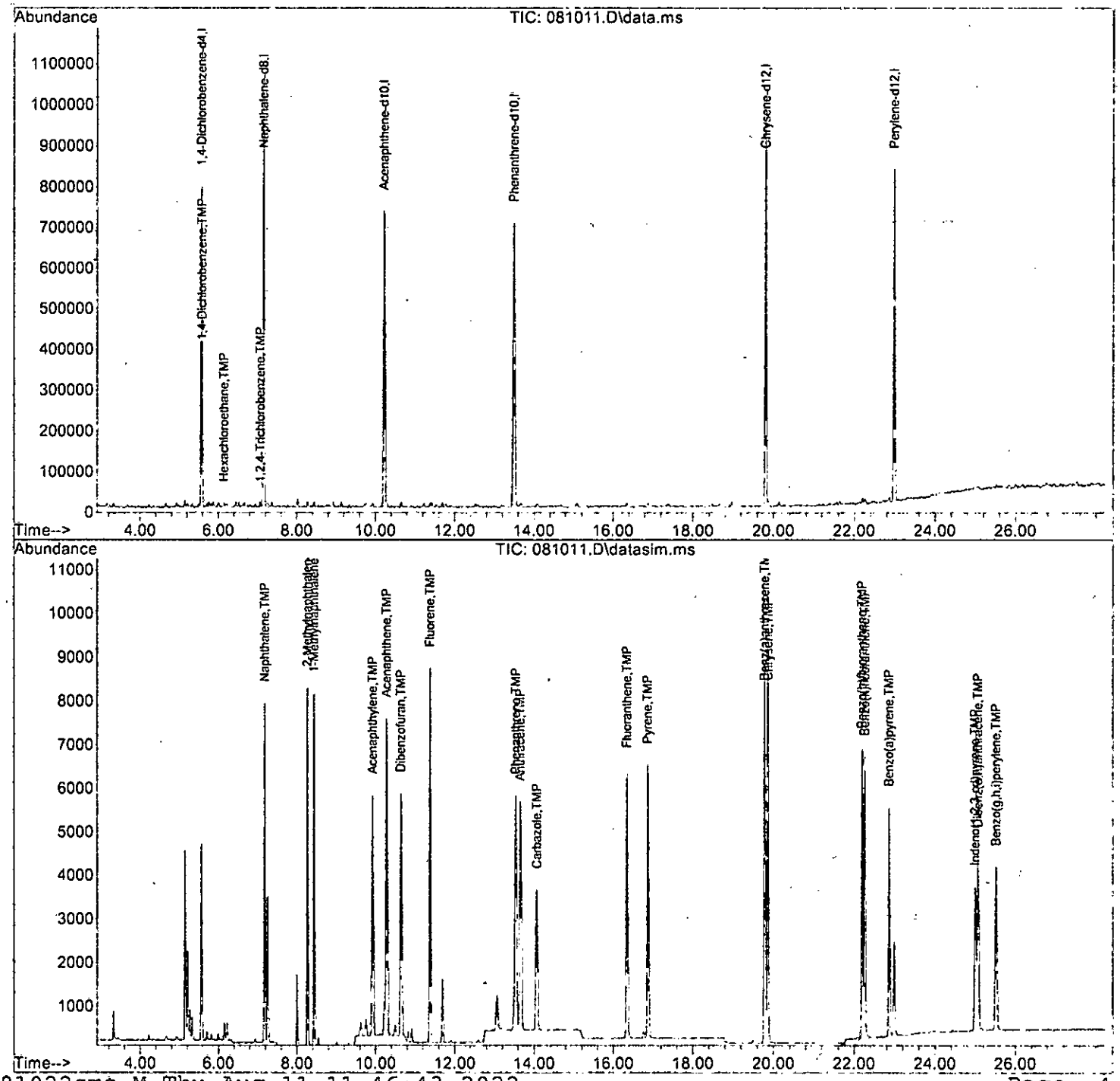
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.	d	
72] Benz(a)anthracene	19.79	228	14468	0.098	ug/ml	98
73] Chrysene	19.87	228	12283	0.098	ug/ml	99
74) Bis(2-ethylhexyl) phth...	0.00		0	N.D.	d	
76) Di-n-octyl phthalate	0.00		0	N.D.	d	
77] Benzo(a)pyrene	22.87	252	8607	0.092	ug/ml	100
78] Benzo(b)fluoranthene	22.19	252	10965	0.095	ug/ml	99
79] Benzo(k)fluoranthene	22.26	252	10040	0.091	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.00	276	6998m	0.091	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	6806	0.088	ug/ml	100
82] Benzo(g,h,i)perylene	25.52	276	7617	0.094	ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081011.D
Acq On : 10 Aug 2022 4:28 pm
Operator : VM
Sample : 0.1 ug/ml 8270 ICAL 67-21D
Misc :
ALS Vial : 113 Sample Multiplier: 1
InstName : GCMS9

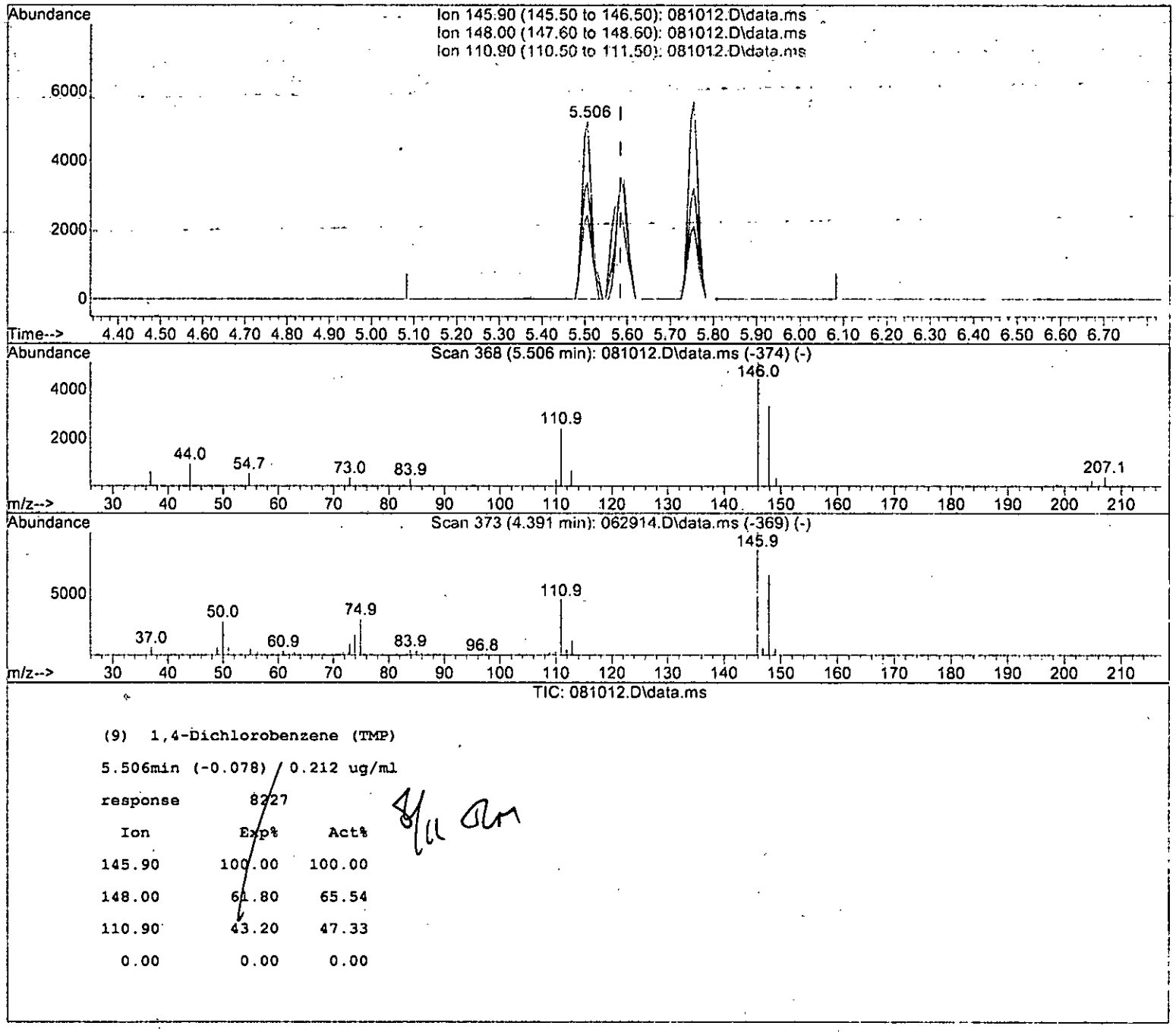
Quant Time: Aug 11 11:50:39 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081012.D\data.ms

(9) 1,4-Dichlorobenzene (TMP)

5.506min (-0.078) / 0.212 ug/ml

response 8227

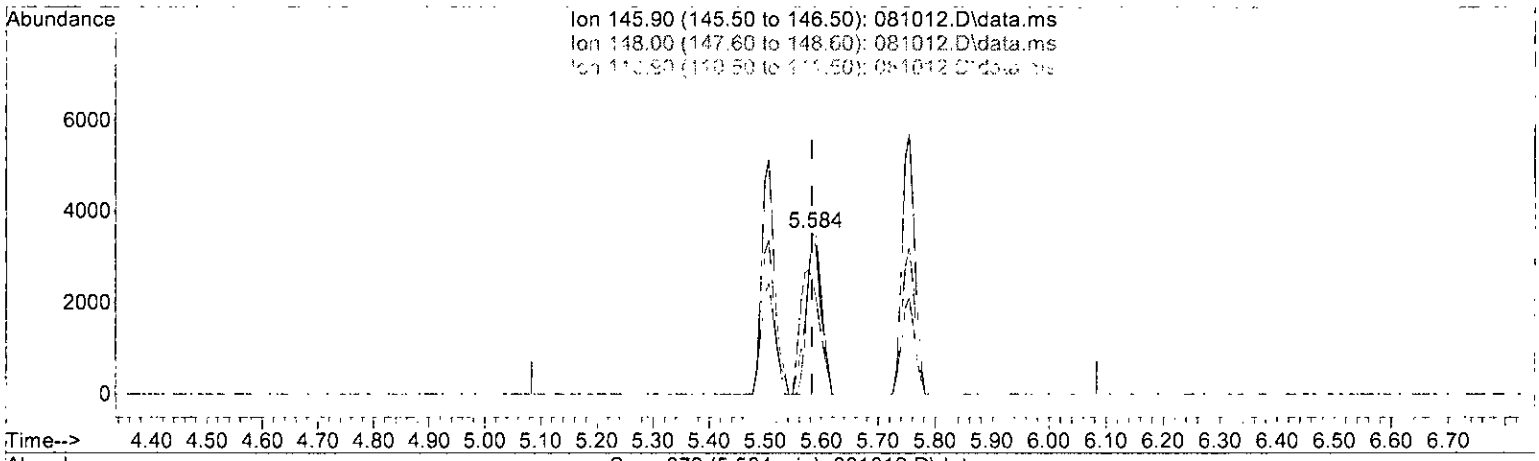
Ion	Exp%	Act%
145.90	100.00	100.00
148.00	64.80	65.54
110.90	43.20	47.33
0.00	0.00	0.00

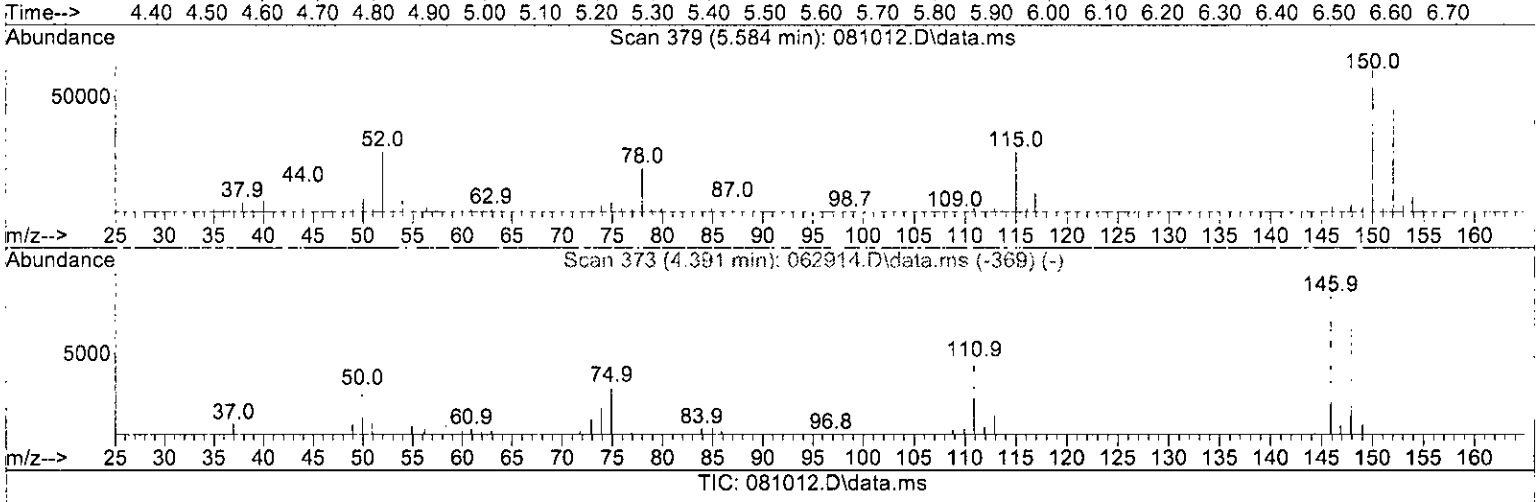
8/11 am

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:06 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





(9) 1,4-Dichlorobenzene (TMP)

5.584min (+ 0.000) 0.159 ug/ml m

response 6170

Ion	Exp%	Act%
145.90	100.00	100.00
148.00	61.80	99.57#
110.90	43.20	71.40
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	-1.000	0.000	0.0	0	-3.11#
3	S	2-Fluorophenol	-1.000	0.000	0.0	0	-4.22#
4	S	Phenol-d6	0.200	0.185	7.5	100	0.00
5	TMP	Phenol	0.200	0.190	5.0	100	0.00
6	TMP	Bis(2-chloroethyl) ether	0.200	0.203	-1.5	100	0.00
7	TMP	2-Chlorophenol	0.200	0.193	3.5	100	0.00
8	TMP	1,3-Dichlorobenzene	0.200	0.208	-4.0	100	0.00
9	TMP	1,4-Dichlorobenzene	0.200	0.159	20.5#	100	0.00
10	TMP	1,2-Dichlorobenzene	0.200	0.226	-13.0	100	0.00
11	TMP	Benzyl alcohol	-1.000	0.000	0.0	0	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	0.200	0.205	-2.5	100	0.00
13	TMP	2-Methylphenol	0.200	0.167	16.5	100	0.00
14	TMP	Hexachloroethane	0.200	0.177	11.5	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.200	0.223	-11.5	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	0.200	0.185	7.5	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	-1.000	0.000	0.0	0	-6.20#
19	TMP	Nitrobenzene	0.200	0.171	14.5	100	0.00
20	TMP	Isophorone	0.200	0.185	7.5	100	0.00
21	TMP	2-Nitrophenol	-1.000	0.000	0.0	0	-6.63#
22	TMP	2,4-Dimethylphenol	-1.000	0.000	0.0	0	-6.67#
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.200	0.218	-9.0	100	0.00
25	TMP	2,4-Dichlorophenol	-1.000	0.000	0.0	0	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.200	0.223	-11.5	100	0.00
27	TMP	Naphthalene	0.200	0.201	-0.5	100	0.00
28	TMP	Hexachlorobutadiene	0.200	0.217	-8.5	100	0.00
29	TMP	4-Chloroaniline	-1.000	0.000	0.0	0	-7.26#
30	TMP	4-Chloro-3-methylphenol	-1.000	0.000	0.0	0	-8.00#
31	TMP	2-Methylnaphthalene	0.200	0.203	-1.5	100	0.00
32	TMP	1-Methylnaphthalene	0.200	0.202	-1.0	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.200	0.160	20.0#	100	0.00
35	TMP	2,4,6-Trichlorophenol	-1.000	0.000	0.0	0	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	-1.000	0.000	0.0	0	-8.81#
37	S	2-Fluorobiphenyl	0.200	0.177	11.5	100	0.00
38	TMP	2-Chloronaphthalene	0.200	0.202	-1.0	100	0.00
39	TMP	2-Nitroaniline	-1.000	0.000	0.0	0	-9.33#
40	TMP	Dimethyl phthalate	-1.000	0.000	0.0	0	-9.74#
41	TMP	Acenaphthylene	0.200	0.197	1.5	100	0.00
42	TMP	2,6-Dinitrotoluene	0.200	0.222	-11.0	100	0.00
43	TMP	3-Nitroaniline	-1.000	0.000	0.0	0	-10.15#
44	TMP	Acenaphthene	0.200	0.200	0.0	100	0.00
45	TMP	2,4-Dinitrophenol	-1.000	0.000	0.0	0	-10.37#
46	TMP	Dibenzofuran	0.200	0.210	-5.0	100	-0.01
47	TMP	2,4-Dinitrotoluene	0.200	0.141	29.5#	100	-0.01
48	TMP	4-Nitrophenol	-1.000	0.000	0.0	0	-10.51#
49	TMP	Diethyl phthalate	-1.000	0.000	0.0	0	-11.23#
50	TMP	Fluorene	0.200	0.192	4.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.200	0.165	17.5	100	0.00
52	TMP	1,2-Diphenylhydrazine	0.200	0.177	11.5	100	0.00
53	S	2,4,6-Tribromophenol	-1.000	0.000	0.0	0	-11.91#
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.200	0.205	-2.5	100	0.00
56	TMP	4-Nitroaniline	-1.000	0.000	0.0	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	-1.000	0.000	0.0	0	-11.52#
58	TMP	4-Bromophenyl phenyl ether	0.200	0.186	7.0	100	0.00
59	TMP	Hexachlorobenzene	0.200	0.189	5.5	100	0.00
60	TMP	Pentachlorophenol	-1.000	0.000	0.0	0	-13.06#
61	TMP	Phenanthrene	0.200	0.201	-0.5	100	0.00
62	TMP	Anthracene	0.200	0.195	2.5	100	0.00
63	TMP	Carbazole	0.200	0.193	3.5	100	0.00
64	TMP	Di-n-butyl phthalate	-1.000	0.000	0.0	0	-15.07#
65	TMP	Fluoranthene	0.200	0.190	5.0	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	-1.000	0.000	0.0	0	-16.77#
68	TMP	Pyrene	0.200	0.195	2.5	100	0.00
69	S	Terphenyl-d14	-1.000	0.000	0.0	0	-17.38#
70	TMP	Benzyl butyl phthalate	-1.000	0.000	0.0	0	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	-1.000	0.000	0.0	0	-19.82#
72	TMP	Benz(a)anthracene	0.200	0.199	0.5	100	0.00
73	TMP	Chrysene	0.200	0.202	-1.0	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	-1.000	0.000	0.0	0	-20.14#
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	-1.000	0.000	0.0	0	-21.64#
77	TMP	Benzo(a)pyrene	0.200	0.182	9.0	100	0.00
78	TMP	Benzo(b)fluoranthene	0.200	0.189	5.5	100	0.00
79	TMP	Benzo(k)fluoranthene	0.200	0.185	7.5	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	0.200	0.206	-3.0	119	-0.01
81	TMP	Dibenz(a,h)anthracene	0.200	0.165	17.5	100	0.00
82	TMP	Benzo(g,h,i)perylene	0.200	0.179	10.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.000#	100.0#	0#	-3.11#
3	S	2-Fluorophenol	1.064	0.000#	100.0#	0#	-4.22#
4	S	Phenol-d6	1.279	1.186	7.3	100	0.00
5	TMP	Phenol	1.625	1.544	5.0	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.275	-1.7	100	0.00
7	TMP	2-Chlorophenol	1.210	1.166	3.6	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.504	-4.0	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.128	20.6#	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.595	-12.9	100	0.00
11	TMP	Benzyl alcohol	0.768	0.000#	100.0#	0#	-5.71#
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.172	-2.3	100	0.00
13	TMP	2-Methylphenol	1.055	0.882	16.4	100	0.00
14	TMP	Hexachloroethane	0.629	0.557	11.4	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.974	-11.3	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.010	7.3	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.000#	100.0#	0#	-6.20#
19	TMP	Nitrobenzene	0.414	0.354	14.5	100	0.00
20	TMP	Isophorone	0.690	0.638	7.5	100	0.00
21	TMP	2-Nitrophenol	0.173	0.000#	100.0#	0#	-6.63#
22	TMP	2,4-Dimethylphenol	0.379	0.000#	100.0#	0#	-6.67#
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.472	-9.0	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.000#	100.0#	0#	-6.94#
26	TMP	1,2,4-Trichlorobenzene	0.400	0.446	-11.5	100	0.00
27	TMP	Naphthalene	1.188	1.194	-0.5	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.339	-8.3	100	0.00
29	TMP	4-Chloroaniline	0.433	0.000#	100.0#	0#	-7.26#
30	TMP	4-Chloro-3-methylphenol	0.322	0.000#	100.0#	0#	-8.00#
31	TMP	2-Methylnaphthalene	0.757	0.767	-1.3	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.734	-1.1	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.430	20.1#	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.000#	100.0#	0#	-8.76#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.000#	100.0#	0#	-8.81#
37	S	2-Fluorobiphenyl	1.406	1.243	11.6	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.252	-1.2	100	0.00
39	TMP	2-Nitroaniline	0.437	0.000#	100.0#	0#	-9.33#
40	TMP	Dimethyl phthalate	1.457	0.000#	100.0#	0#	-9.74#
41	TMP	Acenaphthylene	2.125	2.095	1.4	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.102#	61.4#	100	0.00
43	TMP	3-Nitroaniline	0.498	0.000#	100.0#	0#	-10.15#
44	TMP	Acenaphthene	1.489	1.489	0.0	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.000#	100.0#	0#	-10.37#
46	TMP	Dibenzofuran	2.346	2.461	-4.9	100	-0.01
47	TMP	2,4-Dinitrotoluene	0.373	0.264	29.2#	100	-0.01
48	TMP	4-Nitrophenol	0.297	0.000#	100.0#	0#	-10.51#
49	TMP	Diethyl phthalate	1.527	0.000#	100.0#	0#	-11.23#
50	TMP	Fluorene	1.536	1.475	4.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.617	17.4	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.196	11.8	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.000#	100.0#	0#	-11.91#
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.574	-2.5	100	0.00
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.000#	100.0#	0#	-11.52#
58	TMP	4-Bromophenyl phenyl ether	0.242	0.225	7.0	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.276	5.8	100	0.00
60	TMP	Pentachlorophenol	0.207	0.000#	100.0#	0#	-13.06#
61	TMP	Phenanthrene	1.202	1.211	-0.7	100	0.00
62	TMP	Anthracene	1.177	1.147	2.5	100	0.00
63	TMP	Carbazole	0.901	0.871	3.3	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	0.000#	100.0#	0#	-15.07#
65	TMP	Fluoranthene	1.367	1.301	4.8	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.000#	100.0#	0#	-16.77#
68	TMP	Pyrene	1.674	1.632	2.5	100	0.00
69	S	Terphenyl-d14	1.068	0.000#	100.0#	0#	-17.38#
70	TMP	Benzyl butyl phthalate	0.556	0.000#	100.0#	0#	-18.66#

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.000#	100.0#	0#	-19.82#
72	TMP	Benz(a)anthracene	1.637	1.522	7.0	100	0.00
73	TMP	Chrysene	1.403	1.420	-1.2	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.000#	100.0#	0#	-20.14#
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	0.000#	100.0#	0#	-21.64#
77	TMP	Benzo(a)pyrene	1.223	1.115	8.8	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.418	5.6	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.334	7.6	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.034	-2.8	119	-0.01
81	TMP	Dibenz(a,h)anthracene	1.005	0.828	17.6	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	0.942	10.3	100	0.00

(#) = Out of Range SPCC's out = 26 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	218817	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	716524	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	402893	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	789230	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	650415	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	583512	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	0.00	112	0d	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 60		Recovery =	0.00%#		
4) Phenol-d6	5.13	99	6488	0.185	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery =	1.27%#		
18) Nitrobenzene-d5	0.00	82	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 15 - 144		Recovery =	0.00%#		
37) 2-Fluorobiphenyl	8.93	172	12517	0.177	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery =	1.80%#		
53) 2,4,6-Tribromophenol	0.00	330	0d	0.000	ug/ml	
Spiked Amount 15.000	Range 10 - 142		Recovery =	0.00%#		
69) Terphenyl-d14	0.00	244	0d	0.000	ug/ml	
Spiked Amount 10.000	Range 41 - 138		Recovery =	0.00%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.	d	
5) Phenol	5.15	94	8445	0.190	ug/ml	96
6) Bis(2-chloroethyl) ether	5.27	63	6974	0.203	ug/ml	93
7) 2-Chlorophenol	5.33	128	6376	0.193	ug/ml	92
8) 1,3-Dichlorobenzene	5.51	146	8227	0.208	ug/ml	94
9) 1,4-Dichlorobenzene	5.58	146	6170m	0.159	ug/ml	
10) 1,2-Dichlorobenzene	5.75	146	8724	0.226	ug/ml	94
11) Benzyl alcohol	0.00		0	N.D.	d	
12) 2,2'-Oxybis(1-chloropr...	5.87	45	17354	0.205	ug/ml	91
13) 2-Methylphenol	5.82	108	4827	0.167	ug/ml#	73
14) Hexachloroethane	6.14	117	3048	0.177	ug/ml#	71
15) N-Nitroso-di-n-propyla...	6.01	70	5330	0.223	ug/ml	92
16) 3-Methylphenol + 4-Met...	5.99	108	5527	0.185	ug/ml	92
19) Nitrobenzene	6.22	77	6342	0.171	ug/ml	90
20) Isophorone	6.52	82	11431	0.185	ug/ml	97
21) 2-Nitrophenol	0.00		0	N.D.	d	
22) 2,4-Dimethylphenol	0.00		0	N.D.	d	
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	8463	0.218	ug/ml	86
25) 2,4-Dichlorophenol	0.00		0	N.D.	d	
26) 1,2,4-Trichlorobenzene	7.07	180	7998	0.223	ug/ml	84
27] Naphthalene	7.18	128	21396	0.201	ug/ml	100
28) Hexachlorobutadiene	7.37	225	6072	0.217	ug/ml	94
29) 4-Chloroaniline	0.00		0	N.D.	d	
30) 4-Chloro-3-methylphenol	0.00		0	N.D.	d	
31] 2-Methylnaphthalene	8.27	142	13740	0.203	ug/ml	98
32] 1-Methylnaphthalene	8.44	142	13149	0.202	ug/ml	98
34) Hexachlorocyclopentadiene	8.54	237	4328	0.160	ug/ml	93
35) 2,4,6-Trichlorophenol	0.00		0	N.D.	d	
36) 2,4,5-Trichlorophenol	0.00		0	N.D.	d	
38) 2-Chloronaphthalene	9.13	162	12611	0.202	ug/ml	89
39) 2-Nitroaniline	0.00		0	N.D.	d	
40) Dimethyl phthalate	0.00		0	N.D.	d	
41] Acenaphthylene	9.93	152	21106	0.197	ug/ml	100
42) 2,6-Dinitrotoluene	9.83	165	1029	0.222	ug/ml#	3
43) 3-Nitroaniline	0.00		0	N.D.	d	
44] Acenaphthene	10.28	153	15002	0.200	ug/ml	99
45) 2,4-Dinitrophenol	0.00		0	N.D.		
46] Dibenzofuran	10.65	168	24787	0.210	ug/ml	79
47) 2,4-Dinitrotoluene	10.65	165	2656	0.141	ug/ml#	75
48) 4-Nitrophenol	0.00		0	N.D.	d	
49) Diethyl phthalate	0.00		0	N.D.	d	
50] Fluorene	11.39	166	14852	0.192	ug/ml	98
51) 4-Chlorophenyl phenyl ...	11.43	204	6211	0.165	ug/ml	91
52) 1,2-Diphenylhydrazine	11.77	77	12050	0.177	ug/ml	91
55) N-Nitrosodiphenylamine	11.70	169	11331	0.205	ug/ml	97
56) 4-Nitroaniline	0.00		0	N.D.	d	
57) 4,6-Dinitro-2-methylph...	0.00		0	N.D.	d	
58) 4-Bromophenyl phenyl e...	12.52	248	4444	0.186	ug/ml	90
59) Hexachlorobenzene	12.60	284	5441	0.189	ug/ml	79
60) Pentachlorophenol	0.00		0	N.D.	d	
61] Phenanthrene	13.54	178	23885	0.201	ug/ml	99
62] Anthracene	13.65	178	22639	0.195	ug/ml	100
63] Carbazole	14.07	167	17190	0.193	ug/ml	99
64) Di-n-butyl phthalate	0.00		0	N.D.	d	
65] Fluoranthene	16.35	202	25677	0.190	ug/ml	99
67) Benzidine	0.00		0	N.D.	d	
68] Pyrene	16.87	202	26541	0.195	ug/ml	98
70) Benzyl butyl phthalate	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

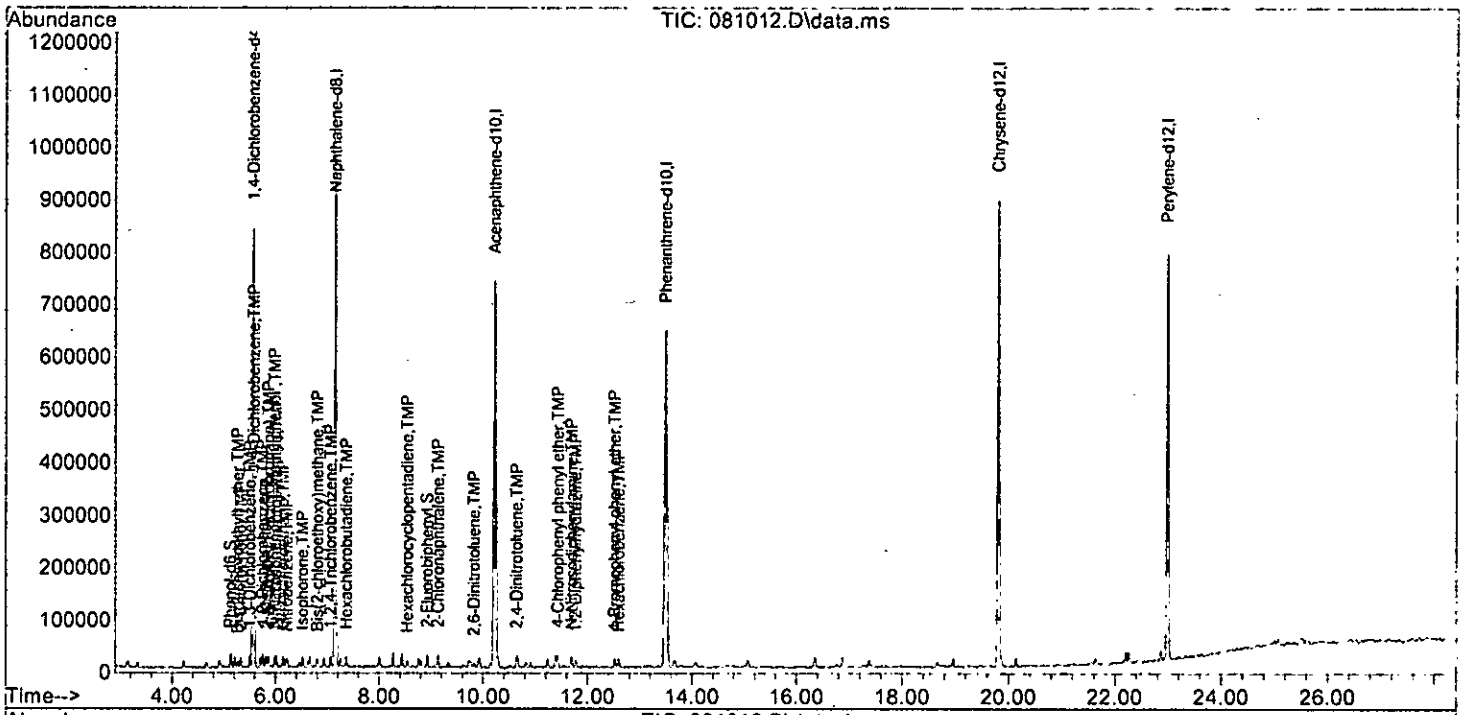
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	3,3'-Dichlorobenzidine	0.00		0	N.D.	d	
72]	Benz(a)anthracene	19.79	228	24747	0.199	ug/ml	98
73]	Chrysene	19.87	228	23088	0.202	ug/ml	99
74)	Bis(2-ethylhexyl) phth...	0.00		0	N.D.	d	
76)	Di-n-octyl phthalate	0.00		0	N.D.	d	
77]	Benzo(a)pyrene	22.86	252	16261	0.182	ug/ml	100
78]	Benzo(b)fluoranthene	22.20	252	20689	0.189	ug/ml	100
79]	Benzo(k)fluoranthene	22.26	252	19461	0.185	ug/ml	99
80]	Indeno(1,2,3-cd)pyrene	25.00	276	15082	0.206	ug/ml	98
81]	Dibenz(a,h)anthracene	25.07	278	12084	0.165	ug/ml	100
82]	Benzo(g,h,i)perylene	25.52	276	13744	0.179	ug/ml	99

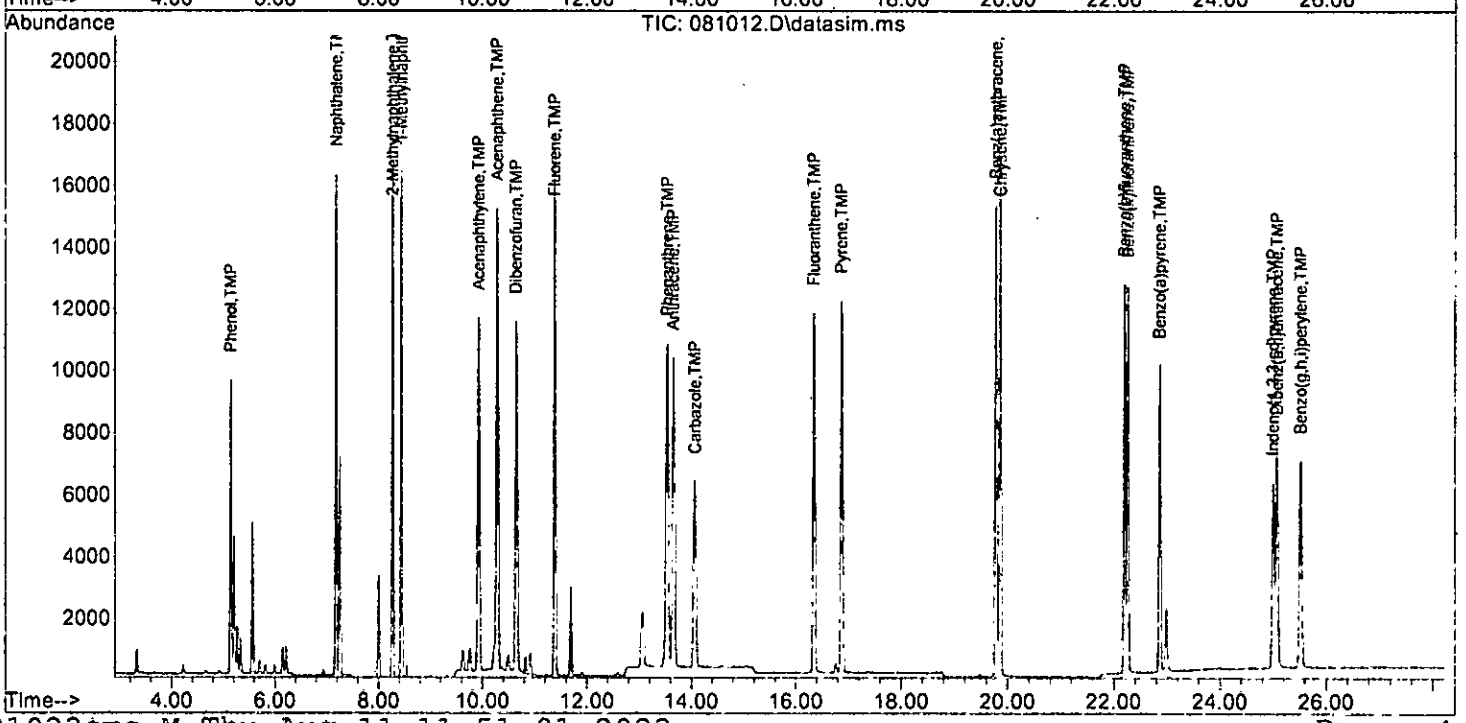
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081012.D
Acq On : 10 Aug 2022 5:02 pm
Operator : VM
Sample : 0.2 ug/ml 8270 ICAL 67-21E
Misc :
ALS Vial : 114 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:54:56 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

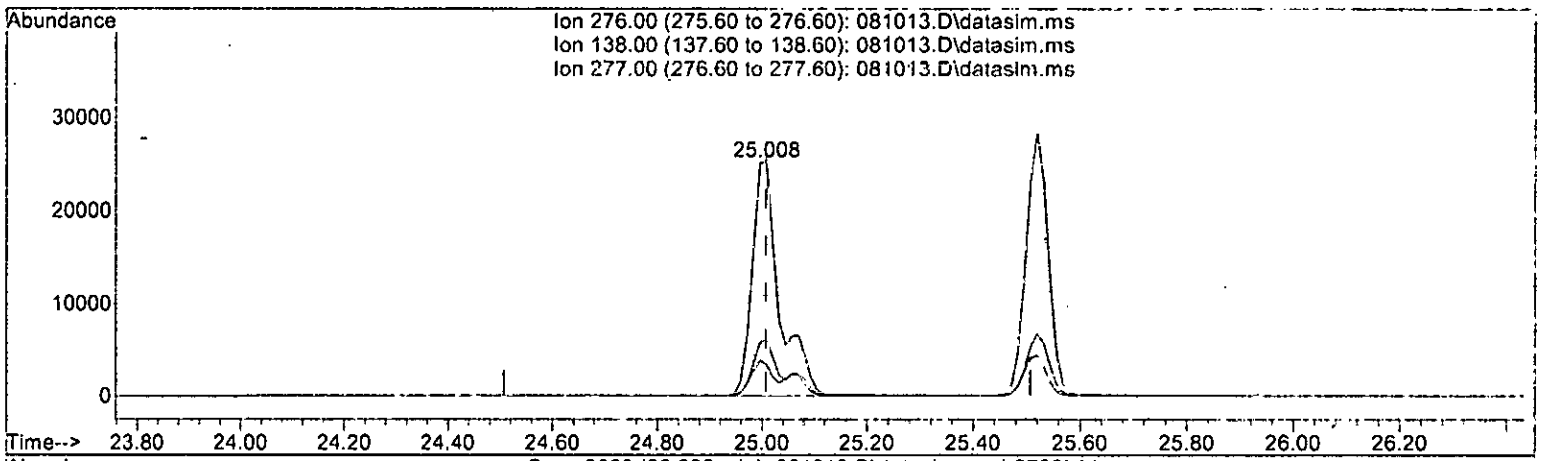


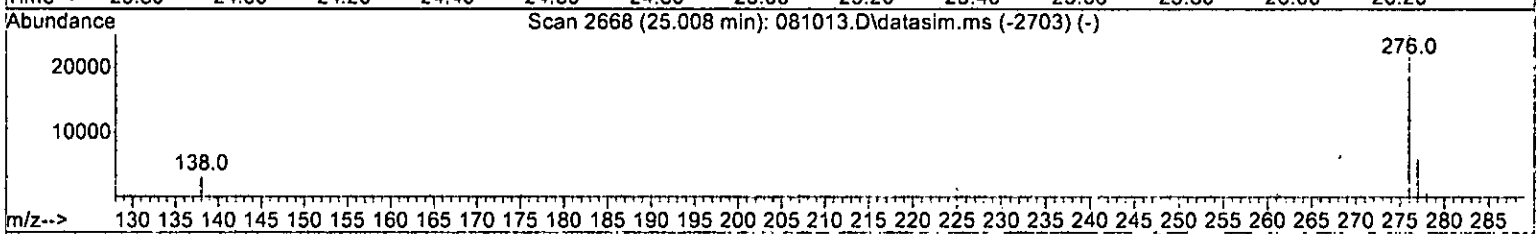


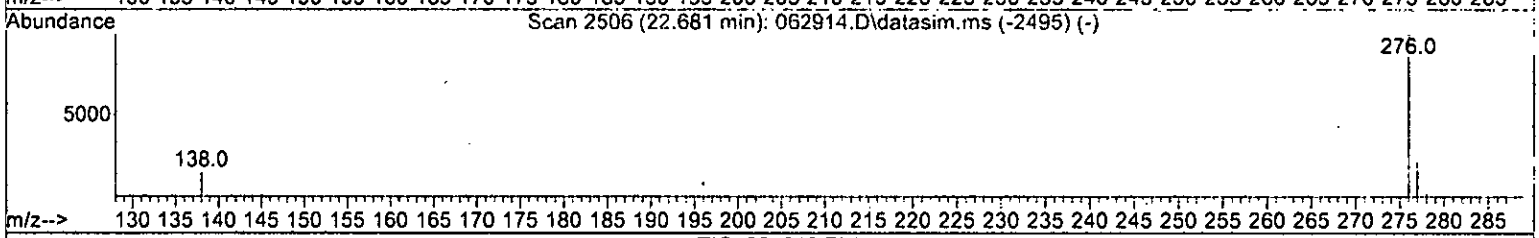
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:11 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081013.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 1.190 ug/ml

response 92808

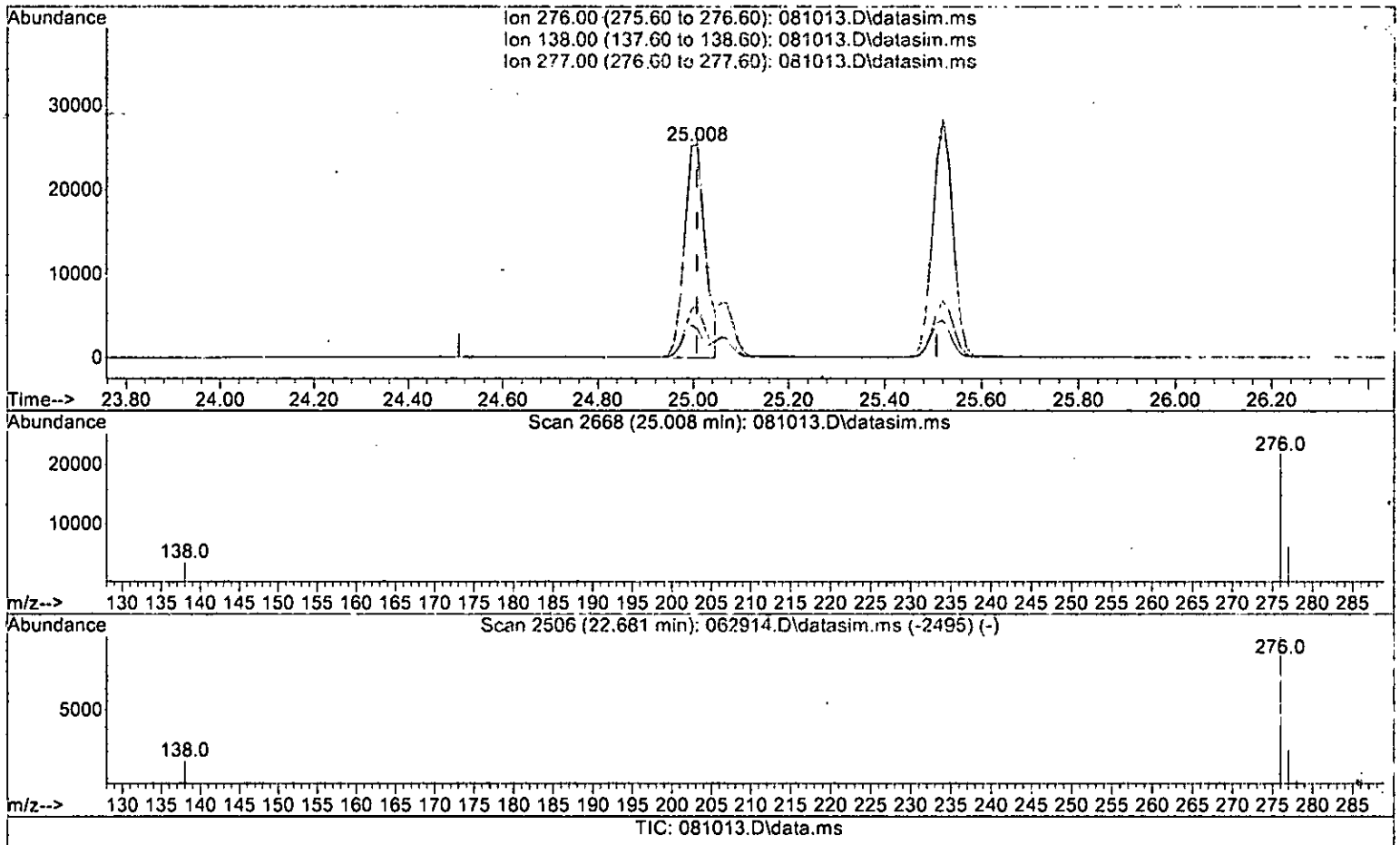
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.38
277.00	24.10	23.98
0.00	0.00	0.00

8/11 GM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:11 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081013.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 0.992 ug/ml m

response 77380

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.60
277.00	24.10	24.18
0.00	0.00	0.00

8/11 JM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	1.000	0.830	17.0	95	0.00
3	S	2-Fluorophenol	1.000	0.878	12.2	94	0.00
4	S	Phenol-d6	1.000	0.883	11.7	100	0.00
5	TMP	Phenol	1.000	0.931	6.9	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.000	0.923	7.7	100	0.00
7	TMP	2-Chlorophenol	1.000	0.927	7.3	100	0.00
8	TMP	1,3-Dichlorobenzene	1.000	0.888	11.2	100	0.00
9	TMP	1,4-Dichlorobenzene	1.000	0.916	8.4	100	0.00
10	TMP	1,2-Dichlorobenzene	1.000	0.915	8.5	100	0.00
11	TMP	Benzyl alcohol	1.000	0.900	10.0	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	1.000	0.922	7.8	100	0.00
13	TMP	2-Methylphenol	1.000	0.901	9.9	100	0.00
14	TMP	Hexachloroethane	1.000	0.971	2.9	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	1.000	0.904	9.6	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.000	0.917	8.3	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	1.000	1.032	-3.2	100	0.00
19	TMP	Nitrobenzene	1.000	0.939	6.1	100	0.00
20	TMP	Isophorone	1.000	0.888	11.2	100	0.00
21	TMP	2-Nitrophenol	1.000	0.907	9.3	100	0.00
22	TMP	2,4-Dimethylphenol	1.000	0.913	8.7	100	0.00
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	1.000	0.957	4.3	100	0.00
25	TMP	2,4-Dichlorophenol	1.000	0.892	10.8	100	0.00
26	TMP	1,2,4-Trichlorobenzene	1.000	1.001	-0.1	100	0.00
27	TMP	Naphthalene	1.000	0.974	2.6	100	0.00
28	TMP	Hexachlorobutadiene	1.000	0.970	3.0	100	0.00
29	TMP	4-Chloroaniline	1.000	0.960	4.0	100	0.00
30	TMP	4-Chloro-3-methylphenol	1.000	0.890	11.0	100	0.00
31	TMP	2-Methylnaphthalene	1.000	0.990	1.0	100	0.00
32	TMP	1-Methylnaphthalene	1.000	0.990	1.0	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	1.000	0.874	12.6	100	0.00
35	TMP	2,4,6-Trichlorophenol	1.000	0.783	21.7#	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	1.000	0.867	13.3	100	0.00
37	S	2-Fluorobiphenyl	1.000	0.980	2.0	100	0.00
38	TMP	2-Chloronaphthalene	1.000	0.910	9.0	100	0.00
39	TMP	2-Nitroaniline	1.000	0.781	21.9#	100	0.00
40	TMP	Dimethyl phthalate	1.000	0.913	8.7	100	-0.01
41	TMP	Acenaphthylene	1.000	0.967	3.3	100	0.00
42	TMP	2,6-Dinitrotoluene	1.000	0.860	14.0	100	0.00
43	TMP	3-Nitroaniline	1.000	0.886	11.4	100	0.00
44	TMP	Acenaphthene	1.000	0.966	3.4	100	0.00
45	TMP	2,4-Dinitrophenol	1.000	1.134	-13.4	100	-0.01
46	TMP	Dibenzofuran	1.000	1.013	-1.3	100	-0.01
47	TMP	2,4-Dinitrotoluene	1.000	0.994	0.6	100	-0.01
48	TMP	4-Nitrophenol	1.000	1.054	-5.4	100	0.00
49	TMP	Diethyl phthalate	1.000	0.863	13.7	100	0.00
50	TMP	Fluorene	1.000	0.966	3.4	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	1.000	0.896	10.4	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.000	0.961	3.9	100	0.00
53	S	2,4,6-Tribromophenol	1.000	0.825	17.5	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	1.000	0.889	11.1	100	0.00
56	TMP	4-Nitroaniline	-1.000	0.000	0.0	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	1.000	1.047	-4.7	100	0.00
58	TMP	4-Bromophenyl phenyl ether	1.000	1.003	-0.3	100	0.00
59	TMP	Hexachlorobenzene	1.000	1.020	-2.0	100	0.00
60	TMP	Pentachlorophenol	1.000	0.773	22.7#	100	0.00
61	TMP	Phenanthrene	1.000	0.973	2.7	100	0.00
62	TMP	Anthracene	1.000	0.967	3.3	100	0.00
63	TMP	Carbazole	1.000	1.029	-2.9	100	0.00
64	TMP	Di-n-butyl phthalate	1.000	0.792	20.8#	100	0.00
65	TMP	Fluoranthene	1.000	0.979	2.1	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	1.000	0.981	1.9	100	0.00
68	TMP	Pyrene	1.000	0.951	4.9	100	0.00
69	S	Terphenyl-d14	1.000	0.908	9.2	100	0.00
70	TMP	Benzyl butyl phthalate	1.000	0.789	21.1#	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	1.000	1.155	-15.5	100	0.00
72	TMP	Benz(a)anthracene	1.000	0.963	3.7	100	0.00
73	TMP	Chrysene	1.000	0.970	3.0	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	1.000	0.746	25.4#	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.000	0.995	0.5	100	0.00
77	TMP	Benzo(a)pyrene	1.000	0.940	6.0	100	0.00
78	TMP	Benzo(b)fluoranthene	1.000	0.946	5.4	100	0.00
79	TMP	Benzo(k)fluoranthene	1.000	0.952	4.8	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.000	0.992	0.8	100	0.00
81	TMP	Dibenz(a,h)anthracene	1.000	0.978	2.2	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.000	1.011	-1.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.550	16.9	95	0.00
3	S	2-Fluorophenol	1.064	0.934	12.2	94	0.00
4	S	Phenol-d6	1.279	1.129	11.7	100	0.00
5	TMP	Phenol	1.625	1.513	6.9	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.157	7.7	100	0.00
7	TMP	2-Chlorophenol	1.210	1.122	7.3	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.284	11.2	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.301	8.4	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.293	8.5	100	0.00
11	TMP	Benzyl alcohol	0.768	0.691	10.0	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	2.858	7.8	100	0.00
13	TMP	2-Methylphenol	1.055	0.950	10.0	100	0.00
14	TMP	Hexachloroethane	0.629	0.611	2.9	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.792	9.5	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.000	8.3	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.414	-3.2	100	0.00
19	TMP	Nitrobenzene	0.414	0.389	6.0	100	0.00
20	TMP	Isophorone	0.690	0.613	11.2	100	0.00
21	TMP	2-Nitrophenol	0.173	0.157	9.2	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.346	8.7	100	0.00
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.415	4.2	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.285	10.7	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.401	-0.3	100	0.00
27	TMP	Naphthalene	1.188	1.157	2.6	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.303	3.2	100	0.00
29	TMP	4-Chloroaniline	0.433	0.416	3.9	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.286	11.2	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.749	1.1	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.719	1.0	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.470	12.6	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.377	21.8#	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.437	13.3	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.378	2.0	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.125	9.1	100	0.00
39	TMP	2-Nitroaniline	0.437	0.341	22.0#	100	0.00
40	TMP	Dimethyl phthalate	1.457	1.330	8.7	100	-0.01
41	TMP	Acenaphthylene	2.125	2.055	3.3	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.199#	24.6#	100	0.00
43	TMP	3-Nitroaniline	0.498	0.441	11.4	100	0.00
44	TMP	Acenaphthene	1.489	1.437	3.5	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.092	42.1#	100	-0.01
46	TMP	Dibenzofuran	2.346	2.377	-1.3	100	-0.01
47	TMP	2,4-Dinitrotoluene	0.373	0.371	0.5	100	-0.01
48	TMP	4-Nitrophenol	0.297	0.261	12.1	100	0.00
49	TMP	Diethyl phthalate	1.527	1.318	13.7	100	0.00
50	TMP	Fluorene	1.536	1.483	3.5	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.669	10.4	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.302	4.0	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.242	17.4	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.498	11.1	100	0.00
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.064	36.6#	100	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.242	0.0	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.298	-1.7	100	0.00
60	TMP	Pentachlorophenol	0.207	0.160	22.7#	100	0.00
61	TMP	Phenanthrene	1.202	1.170	2.7	100	0.00
62	TMP	Anthracene	1.177	1.139	3.2	100	0.00
63	TMP	Carbazole	0.901	0.928	-3.0	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.021	20.8#	100	0.00
65	TMP	Fluoranthene	1.367	1.338	2.1	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.451	2.0	100	0.00
68	TMP	Pyrene	1.674	1.591	5.0	100	0.00
69	S	Terphenyl-d14	1.068	0.970	9.2	100	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.439	21.0#	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.358	-15.5	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.383	15.5	100	0.00
73	TMP	Chrysene	1.403	1.361	3.0	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.587	25.4#	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.066	25.1#	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.150	6.0	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.420	5.5	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.374	4.8	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	0.998	0.8	100	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	0.983	2.2	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.062	-1.1	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	211982	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	683034	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	394276	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	816275	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	706777	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	620567	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	24756	0.878	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 5.87%#			
4) Phenol-d6	5.13	99	29916	0.883	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 5.87%#			
18) Nitrobenzene-d5	6.20	82	35332	1.032	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 10.30%#			
37) 2-Fluorobiphenyl	8.93	172	67912	0.980	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 9.80%#			
53) 2,4,6-Tribromophenol	11.91	330	11912	0.825	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 5.53%#			
69) Terphenyl-d14	17.38	244	85683	0.908	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 9.10%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.12	74	14561	0.830	ug/ml	93
5] Phenol	5.15	94	40079	0.931	ug/ml	98
6) Bis(2-chloroethyl) ether	5.27	63	30657	0.923	ug/ml	98
7) 2-Chlorophenol	5.33	128	29728	0.927	ug/ml	92
8) 1,3-Dichlorobenzene	5.51	146	34027	0.888	ug/ml	97
9) 1,4-Dichlorobenzene	5.58	146	34474	0.916	ug/ml	95
10) 1,2-Dichlorobenzene	5.75	146	34250	0.915	ug/ml	98
11) Benzyl alcohol	5.70	108	18317	0.900	ug/ml	93
12) 2,2'-Oxybis(1-chloropr...	5.87	45	75732	0.922	ug/ml	97
13) 2-Methylphenol	5.82	108	25169	0.901	ug/ml	99
14) Hexachloroethane	6.15	117	16186	0.971	ug/ml	91
15) N-Nitroso-di-n-propyla...	6.02	70	20974	0.904	ug/ml	94
16) 3-Methylphenol + 4-Met...	6.00	108	26498	0.917	ug/ml	89
19) Nitrobenzene	6.22	77	33201	0.939	ug/ml	92
20) Isophorone	6.52	82	52365	0.888	ug/ml	99
21) 2-Nitrophenol	6.63	139	13367	0.907	ug/ml	90
22) 2,4-Dimethylphenol	6.66	107	29578	0.913	ug/ml	99
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	35413	0.957	ug/ml	96
25) 2,4-Dichlorophenol	6.94	162	24325	0.892	ug/ml	93
26) 1,2,4-Trichlorobenzene	7.07	180	34200	1.001	ug/ml	94
27] Naphthalene	7.18	128	98785	0.974	ug/ml	100
28) Hexachlorobutadiene	7.37	225	25878	0.970	ug/ml.	88
29) 4-Chloroaniline	7.26	127	35505	0.960	ug/ml	97
30) 4-Chloro-3-methylphenol	8.00	107	24435	0.890	ug/ml	96
31] 2-Methylnaphthalene	8.27	142	63975	0.990	ug/ml	99
32] 1-Methylnaphthalene	8.44	142	61360	0.990	ug/ml	100
34) Hexachlorocyclopentadiene	8.54	237	23169	0.874	ug/ml	97
35) 2,4,6-Trichlorophenol	8.76	196	18591	0.783	ug/ml	80
36) 2,4,5-Trichlorophenol	8.81	196	21549	0.867	ug/ml	96
38) 2-Chloronaphthalene	9.14	162	55461	0.910	ug/ml	95
39) 2-Nitroaniline	9.33	65	16819	0.781	ug/ml	98
40) Dimethyl phthalate	9.72	163	65549	0.913	ug/ml	99
41] Acenaphthylene	9.93	152	101256	0.967	ug/ml	100
42) 2,6-Dinitrotoluene	9.83	165	9793	0.860	ug/ml#	65
43) 3-Nitroaniline	10.15	65	21715	0.886	ug/ml	96
44] Acenaphthene	10.28	153	70836	0.966	ug/ml	100
45) 2,4-Dinitrophenol	10.36	184	4523	1.134	ug/ml#	66
46] Dibenzofuran	10.65	168	117136	1.013	ug/ml	79
47) 2,4-Dinitrotoluene	10.65	165	18281	0.994	ug/ml	87
48) 4-Nitrophenol	10.51	65	12863	1.054	ug/ml	99
49) Diethyl phthalate	11.23	149	64972	0.863	ug/ml	93
50] Fluorene	11.39	166	73094	0.966	ug/ml	100
51) 4-Chlorophenyl phenyl ...	11.43	204	32989	0.896	ug/ml	92
52) 1,2-Diphenylhydrazine	11.77	77	64171	0.961	ug/ml	97
55) N-Nitrosodiphenylamine	11.70	169	50778	0.889	ug/ml	97
56) 4-Nitroaniline	0.00		0	N.D.	d	
57) 4,6-Dinitro-2-methylph...	11.52	198	6556	1.047	ug/ml	79
58) 4-Bromophenyl phenyl e...	12.53	248	24740	1.003	ug/ml	83
59) Hexachlorobenzene	12.60	284	30442	1.020	ug/ml	93
60] Pentachlorophenol	13.06	266	16321	0.773	ug/ml	99
61] Phenanthrene	13.54	178	119379	0.973	ug/ml	100
62] Anthracene	13.65	178	116222	0.967	ug/ml	100
63] Carbazole	14.07	167	94646	1.029	ug/ml	100
64) Di-n-butyl phthalate	15.07	149	104190	0.792	ug/ml	98
65] Fluoranthene	16.35	202	136516	0.979	ug/ml	99
67) Benzidine	16.77	184	39864	0.981	ug/ml	92
68] Pyrene	16.87	202	140596	0.951	ug/ml	98
70) Benzyl butyl phthalate	18.67	149	38768	0.789	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

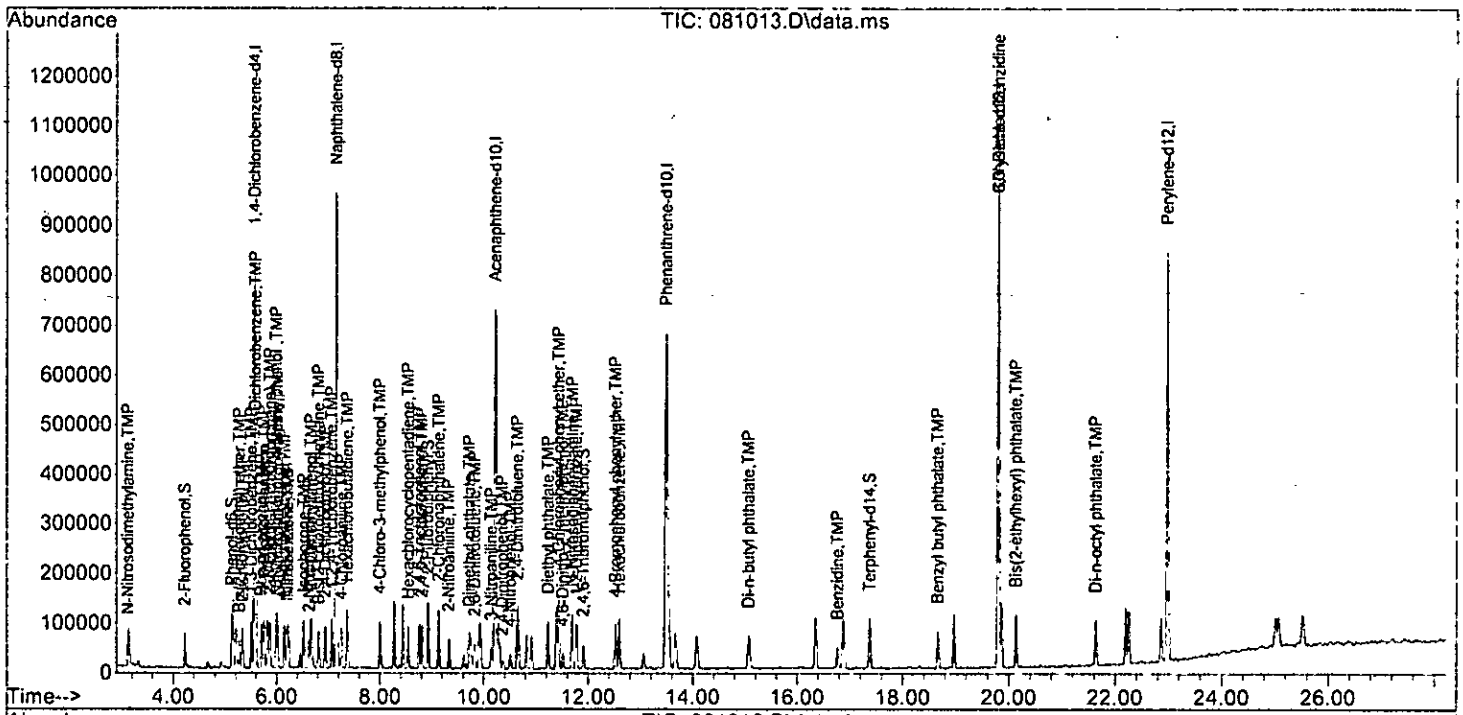
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.81	252	31607	1.155	ug/ml	91
72] Benz(a)anthracene	19.79	228	122152	0.963	ug/ml	100
73] Chrysene	19.87	228	120229	0.970	ug/ml	99
74) Bis(2-ethylhexyl) phth...	20.14	149	51843	0.746	ug/ml	95
76) Di-n-octyl phthalate	21.64	149	82719	0.995	ug/ml	99
77] Benzo(a)pyrene	22.87	252	89171	0.940	ug/ml	100
78] Benzo(b)fluoranthene	22.20	252	110177	0.946	ug/ml	100
79] Benzo(k)fluoranthene	22.26	252	106564	0.952	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.01	276	77380m	0.992	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	76256	0.978	ug/ml	100
82] Benzo(g,h,i)perylene	25.52	276	82378	1.011	ug/ml	99

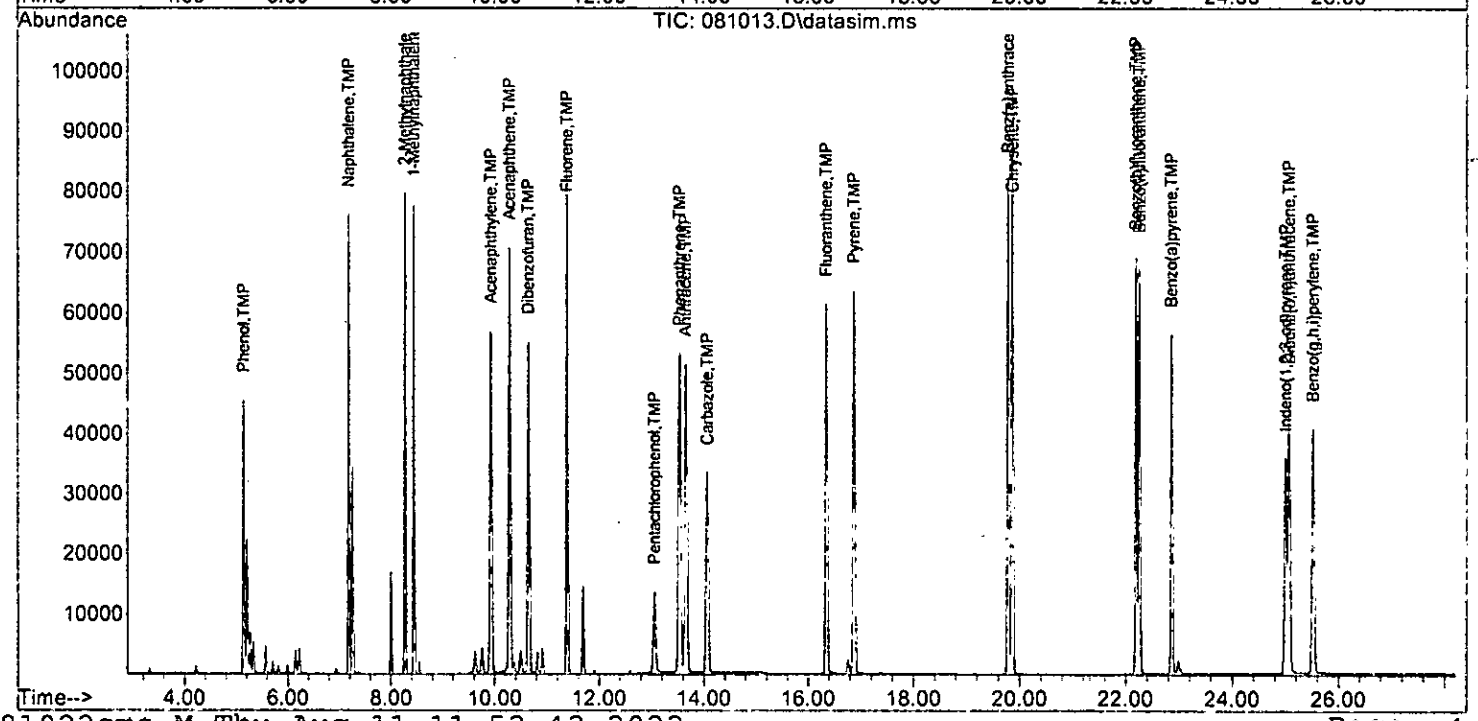
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081013.D
Acq On : 10 Aug 2022 5:35 pm
Operator : VM
Sample : 1 ug/ml 8270 ICAL 67-21F
Misc :
ALS Vial : 115 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:56:41 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

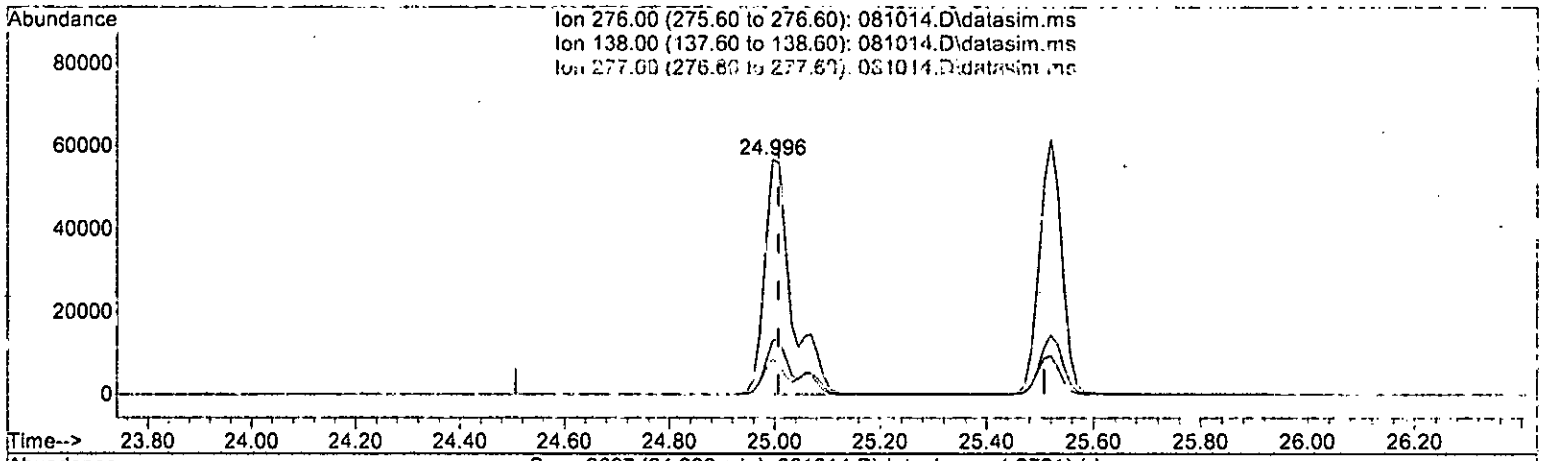


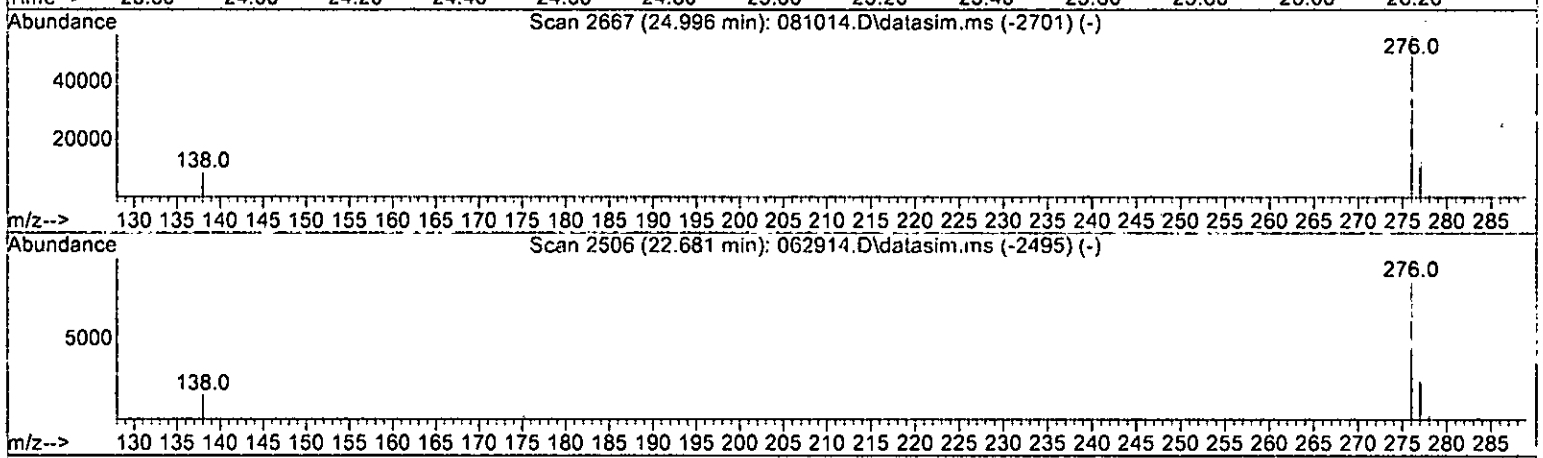


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:14 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081014.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.996min (-0.012) 2.565 ug/ml

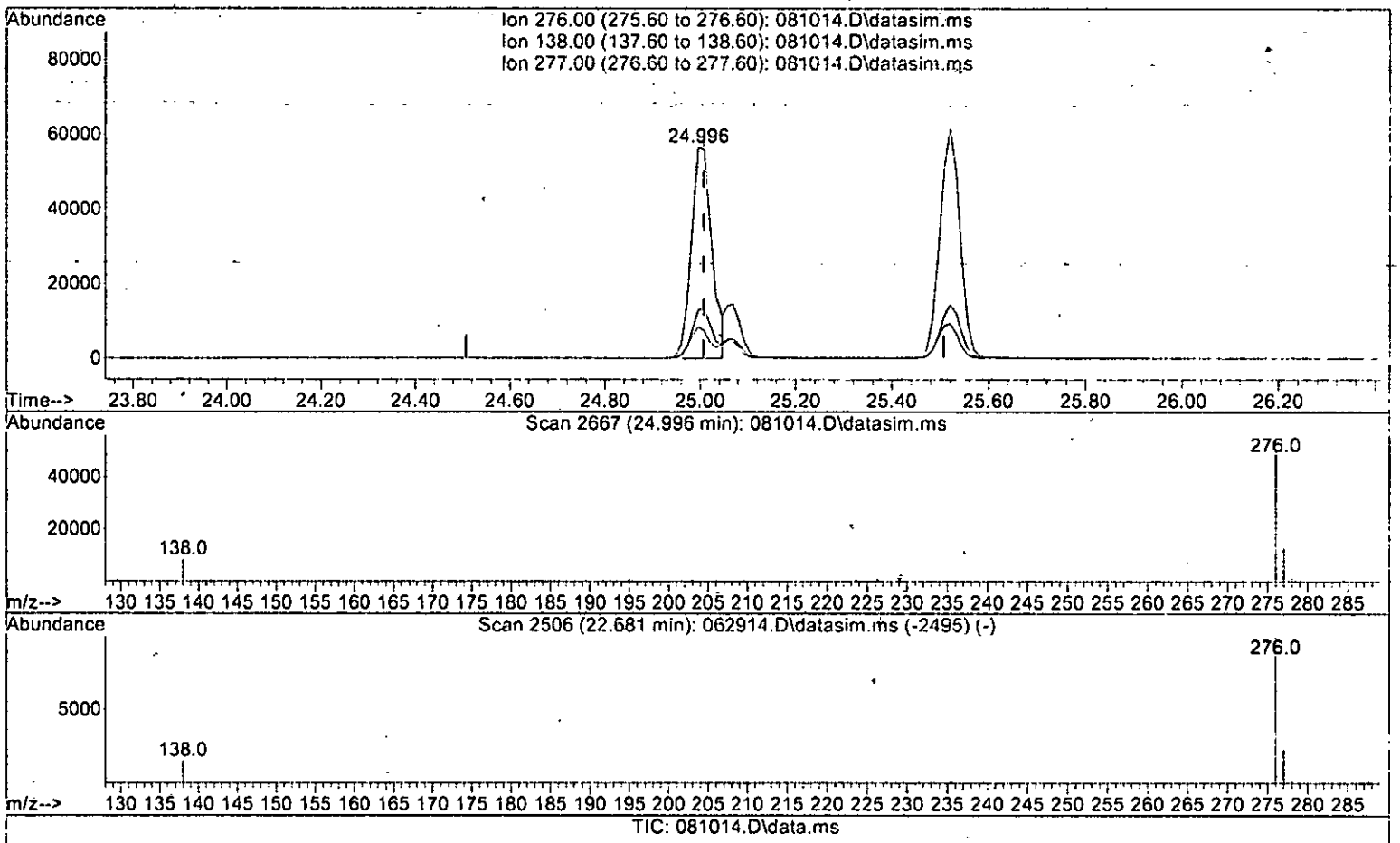
response 204220

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.95
277.00	24.60	22.90
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:14 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081014.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.996min (-0.012) 2.131 ug/ml m

response 169635

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	15.05
277.00	24.10	22.99
0.00	0.00	0.00

8/11 CM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	2.000	1.984	0.8	94	0.00
3	S	2-Fluorophenol	2.000	2.008	-0.4	100	0.00
4	S	Phenol-d6	2.000	2.017	-0.8	100	0.00
5	TMP	Phenol	2.000	2.036	-1.8	100	0.00
6	TMP	Bis(2-chloroethyl) ether	2.000	2.033	-1.6	100	0.00
7	TMP	2-Chlorophenol	2.000	1.957	2.1	100	0.00
8	TMP	1,3-Dichlorobenzene	2.000	2.087	-4.4	100	0.00
9	TMP	1,4-Dichlorobenzene	2.000	2.102	-5.1	100	0.00
10	TMP	1,2-Dichlorobenzene	2.000	1.995	0.2	100	0.00
11	TMP	Benzyl alcohol	2.000	1.994	0.3	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	2.000	2.104	-5.2	100	0.00
13	TMP	2-Methylphenol	2.000	2.137	-6.9	100	0.00
14	TMP	Hexachloroethane	2.000	2.065	-3.2	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	2.000	2.025	-1.2	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	2.000	2.093	-4.6	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	2.000	1.962	1.9	100	0.00
19	TMP	Nitrobenzene	2.000	2.027	-1.4	100	0.00
20	TMP	Isophorone	2.000	2.010	-0.5	100	0.00
21	TMP	2-Nitrophenol	2.000	1.777	11.2	100	0.00
22	TMP	2,4-Dimethylphenol	2.000	2.017	-0.8	100	0.00
23	TMP	Benzoic acid	-1.000	0.000	0.0	0	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	2.000	1.928	3.6	100	0.00
25	TMP	2,4-Dichlorophenol	2.000	1.878	6.1	100	0.00
26	TMP	1,2,4-Trichlorobenzene	2.000	1.924	3.8	100	0.00
27	TMP	Naphthalene	2.000	1.989	0.5	100	0.00
28	TMP	Hexachlorobutadiene	2.000	1.921	3.9	100	0.00
29	TMP	4-Chloroaniline	2.000	1.917	4.1	100	0.00
30	TMP	4-Chloro-3-methylphenol	2.000	1.977	1.1	100	0.00
31	TMP	2-Methylnaphthalene	2.000	2.044	-2.2	100	0.00
32	TMP	1-Methylnaphthalene	2.000	2.049	-2.4	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	2.000	1.725	13.7	100	0.00
35	TMP	2,4,6-Trichlorophenol	2.000	1.784	10.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	2.000	1.896	5.2	100	0.00
37	S	2-Fluorobiphenyl	2.000	1.881	5.9	100	0.00
38	TMP	2-Chloronaphthalene	2.000	1.898	5.1	100	0.00
39	TMP	2-Nitroaniline	2.000	1.795	10.3	100	0.00
40	TMP	Dimethyl phthalate	2.000	1.784	10.8	100	-0.01
41	TMP	Acenaphthylene	2.000	1.954	2.3	100	0.00
42	TMP	2,6-Dinitrotoluene	2.000	1.987	0.6	100	0.00
43	TMP	3-Nitroaniline	2.000	1.819	9.1	100	0.00
44	TMP	Acenaphthene	2.000	1.925	3.7	100	0.00
45	TMP	2,4-Dinitrophenol	2.000	1.807	9.7	100	0.00
46	TMP	Dibenzofuran	2.000	2.012	-0.6	100	-0.01
47	TMP	2,4-Dinitrotoluene	2.000	1.894	5.3	100	-0.01
48	TMP	4-Nitrophenol	2.000	1.780	11.0	100	-0.01
49	TMP	Diethyl phthalate	2.000	1.894	5.3	100	0.00
50	TMP	Fluorene	2.000	1.955	2.2	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	2.000	1.991	0.4	100	0.00
52	TMP	1,2-Diphenylhydrazine	2.000	1.885	5.8	100	0.00
53	S	2,4,6-Tribromophenol	2.000	1.739	13.0	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	2.000	1.829	8.6	100	0.00
56	TMP	4-Nitroaniline	2.000	2.428	-21.4#	100	0.00
57	TMP	4,6-Dinitro-2-methylphenol	2.000	1.771	11.5	100	0.00
58	TMP	4-Bromophenyl phenyl ether	2.000	1.869	6.6	100	0.00
59	TMP	Hexachlorobenzene	2.000	1.780	11.0	100	0.00
60	TMP	Pentachlorophenol	2.000	1.640	18.0	100	0.00
61	TMP	Phenanthrene	2.000	1.920	4.0	100	0.00
62	TMP	Anthracene	2.000	1.941	2.9	100	0.00
63	TMP	Carbazole	2.000	2.152	-7.6	100	0.00
64	TMP	Di-n-butyl phthalate	2.000	1.609	19.6	100	0.00
65	TMP	Fluoranthene	2.000	1.967	1.6	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	2.000	1.961	1.9	100	0.00
68	TMP	Pyrene	2.000	1.987	0.6	100	0.00
69	S	Terphenyl-d14	2.000	1.929	3.5	100	0.00
70	TMP	Benzyl butyl phthalate	2.000	1.754	12.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	2.000	2.397	-19.8	100	0.00
72	TMP	Benz(a)anthracene	2.000	2.032	-1.6	100	0.00
73	TMP	Chrysene	2.000	2.014	-0.7	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	2.000	1.766	11.7	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	2.000	2.004	-0.2	100	0.00
77	TMP	Benzo(a)pyrene	2.000	1.993	0.3	100	0.00
78	TMP	Benzo(b)fluoranthene	2.000	2.013	-0.6	100	0.00
79	TMP	Benzo(k)fluoranthene	2.000	2.027	-1.4	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	2.000	2.131	-6.5	100	-0.01
81	TMP	Dibenz(a,h)anthracene	2.000	2.128	-6.4	100	0.00
82	TMP	Benzo(g,h,i)perylene	2.000	2.157	-7.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.657	0.8	94	0.00
3	S	2-Fluorophenol	1.064	1.068	-0.4	100	0.00
4	S	Phenol-d6	1.279	1.290	-0.9	100	0.00
5	TMP	Phenol	1.625	1.654	-1.8	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.275	-1.7	100	0.00
7	TMP	2-Chlorophenol	1.210	1.183	2.2	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.508	-4.3	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.494	-5.1	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.409	0.3	100	0.00
11	TMP	Benzyl alcohol	0.768	0.766	0.3	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.262	-5.2	100	0.00
13	TMP	2-Methylphenol	1.055	1.127	-6.8	100	0.00
14	TMP	Hexachloroethane	0.629	0.650	-3.3	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.886	-1.3	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.140	-4.6	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.394	1.7	100	0.00
19	TMP	Nitrobenzene	0.414	0.420	-1.4	100	0.00
20	TMP	Isophorone	0.690	0.694	-0.6	100	0.00
21	TMP	2-Nitrophenol	0.173	0.153	11.6	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.383	-1.1	100	0.00
23	TMP	Benzoic acid	0.178	0.000#	100.0#	0#	-6.73#
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.418	3.5	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.300	6.0	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.385	3.8	100	0.00
27	TMP	Naphthalene	1.188	1.181	0.6	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.300	4.2	100	0.00
29	TMP	4-Chloroaniline	0.433	0.415	4.2	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.318	1.2	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.773	-2.1	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.744	-2.5	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.464	13.8	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.430	10.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.478	5.2	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.323	5.9	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.174	5.1	100	0.00
39	TMP	2-Nitroaniline	0.437	0.392	10.3	100	0.00
40	TMP	Dimethyl phthalate	1.457	1.300	10.8	100	-0.01
41	TMP	Acenaphthylene	2.125	2.076	2.3	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.258	2.3	100	0.00
43	TMP	3-Nitroaniline	0.498	0.452	9.2	100	0.00
44	TMP	Acenaphthene	1.489	1.432	3.8	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.103	35.2#	100	0.00
46	TMP	Dibenzofuran	2.346	2.360	-0.6	100	-0.01
47	TMP	2,4-Dinitrotoluene	0.373	0.353	5.4	100	-0.01
48	TMP	4-Nitrophenol	0.297	0.232	21.9#	100	-0.01
49	TMP	Diethyl phthalate	1.527	1.446	5.3	100	0.00
50	TMP	Fluorene	1.536	1.501	2.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.744	0.4	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.278	5.8	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.255	13.0	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.512	8.6	100	0.00
56	TMP	4-Nitroaniline	0.087	0.106	-21.8#	100	0.00
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.070	30.7#	100	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.226	6.6	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.260	11.3	100	0.00
60	TMP	Pentachlorophenol	0.207	0.170	17.9	100	0.00
61	TMP	Phenanthrene	1.202	1.154	4.0	100	0.00
62	TMP	Anthracene	1.177	1.143	2.9	100	0.00
63	TMP	Carbazole	0.901	0.969	-7.5	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.037	19.6	100	0.00
65	TMP	Fluoranthene	1.367	1.344	1.7	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.451	2.0	100	0.00
68	TMP	Pyrene	1.674	1.663	0.7	100	0.00
69	S	Terphenyl-d14	1.068	1.031	3.5	100	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.488	12.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.371	-19.7	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.451	11.4	100	0.00
73	TMP	Chrysene	1.403	1.413	-0.7	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.695	11.7	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.172	17.6	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.219	0.3	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.512	-0.7	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.462	-1.3	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.071	-6.5	100	-0.01
81	TMP	Dibenz(a,h)anthracene	1.005	1.069	-6.4	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.133	-7.9	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	203118	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	699819	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	420177	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	897677	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	754817	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	633312	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	54240	2.008	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery =	13.40%		
4) Phenol-d6	5.13	99	65502	2.017	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery =	13.47%		
18) Nitrobenzene-d5	6.20	82	68847	1.962	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery =	19.60%		
37) 2-Fluorobiphenyl	8.93	172	138948	1.881	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery =	18.80%#		
53) 2,4,6-Tribromophenol	11.91	330	26742	1.739	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery =	11.60%		
69) Terphenyl-d14	17.38	244	194479	1.929	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery =	19.30%#		
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	33360	1.984	ug/ml	98
5] Phenol	5.15	94	84006	2.036	ug/ml	98
6) Bis(2-chloroethyl) ether	5.27	63	64727	2.033	ug/ml	98
7) 2-Chlorophenol	5.34	128	60091	1.957	ug/ml	88
8) 1,3-Dichlorobenzene	5.51	146	76599	2.087	ug/ml	94
9) 1,4-Dichlorobenzene	5.58	146	75852	2.102	ug/ml	97
10) 1,2-Dichlorobenzene	5.75	146	71543	1.995	ug/ml	94
11) Benzyl alcohol	5.70	108	38898	1.994	ug/ml	93
12) 2,2'-Oxybis(1-chloropr...	5.87	45	165624	2.104	ug/ml	100
13) 2-Methylphenol	5.82	108	57238	2.137	ug/ml	98
14) Hexachloroethane	6.14	117	32991	2.065	ug/ml	85
15) N-Nitroso-di-n-propyla...	6.02	70	45009	2.025	ug/ml	99
16) 3-Methylphenol + 4-Met...	6.00	108	57914	2.093	ug/ml	97
19) Nitrobenzene	6.22	77	73486	2.027	ug/ml	95
20) Isophorone	6.52	82	121397	2.010	ug/ml	98
21) 2-Nitrophenol	6.63	139	26835	1.777	ug/ml	97
22) 2,4-Dimethylphenol	6.67	107	66932	2.017	ug/ml	97
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
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Misc :
ALS Vial : 116 Sample Multiplier: 1
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Quant Time: Aug 11 11:57:53 2022
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Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	73090	1.928	ug/ml	99
25) 2,4-Dichlorophenol	6.94	162	52489	1.878	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.07	180	67359	1.924	ug/ml	94
27] Naphthalene	7.18	128	206682	1.989	ug/ml	100
28) Hexachlorobutadiene	7.37	225	52510	1.921	ug/ml	91
29) 4-Chloroaniline	7.26	127	72618	1.917	ug/ml	98
30) 4-Chloro-3-methylphenol	8.00	107	55595	1.977	ug/ml	96
31] 2-Methylnaphthalene	8.27	142	135265	2.044	ug/ml	99
32] 1-Methylnaphthalene	8.44	142	130108	2.049	ug/ml	98
34) Hexachlorocyclopentadiene	8.54	237	48743	1.725	ug/ml	90
35) 2,4,6-Trichlorophenol	8.76	196	45143	1.784	ug/ml	95
36) 2,4,5-Trichlorophenol	8.81	196	50225	1.896	ug/ml	94
38) 2-Chloronaphthalene	9.14	162	123309	1.898	ug/ml	98
39) 2-Nitroaniline	9.33	65	41213	1.795	ug/ml	93
40) Dimethyl phthalate	9.72	163	136531	1.784	ug/ml	99
41] Acenaphthylene	9.93	152	218074	1.954	ug/ml	99
42) 2,6-Dinitrotoluene	9.83	165	27152	1.987	ug/ml	90
43) 3-Nitroaniline	10.15	65	47526	1.819	ug/ml	94
44] Acenaphthene	10.28	153	150463	1.925	ug/ml	100
45) 2,4-Dinitrophenol	10.37	184	10816	1.807	ug/ml	86
46] Dibenzofuran	10.65	168	247853	2.012	ug/ml	80
47) 2,4-Dinitrotoluene	10.65	165	37129	1.894	ug/ml	97
48) 4-Nitrophenol	10.50	65	24374	1.780	ug/ml	98
49) Diethyl phthalate	11.23	149	151939	1.894	ug/ml	96
50] Fluorene	11.39	166	157722	1.955	ug/ml	99
51) 4-Chlorophenyl phenyl ...	11.43	204	78111	1.991	ug/ml	98
52) 1,2-Diphenylhydrazine	11.77	77	134198	1.885	ug/ml	95
55) N-Nitrosodiphenylamine	11.70	169	114846	1.829	ug/ml	98
56) 4-Nitroaniline	11.43	138	23720	2.428	ug/ml	88
57) 4,6-Dinitro-2-methylph...	11.52	198	15764	1.771	ug/ml	92
58) 4-Bromophenyl phenyl e...	12.53	248	50712	1.869	ug/ml	93
59) Hexachlorobenzene	12.60	284	58414	1.780	ug/ml	90
60] Pentachlorophenol	13.06	266	38094	1.640	ug/ml	100
61] Phenanthrene	13.54	178	259053	1.920	ug/ml	100
62] Anthracene	13.65	178	256482	1.941	ug/ml	100
63] Carbazole	14.07	167	217563	2.152	ug/ml	100
64) Di-n-butyl phthalate	15.07	149	232662	1.609	ug/ml	98
65] Fluoranthene	16.35	202	301693	1.967	ug/ml	99
67) Benzidine	16.77	184	85084	1.961	ug/ml	92
68] Pyrene	16.87	202	313844	1.987	ug/ml	99
70) Benzyl butyl phthalate	18.66	149	92047	1.754	ug/ml	92

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

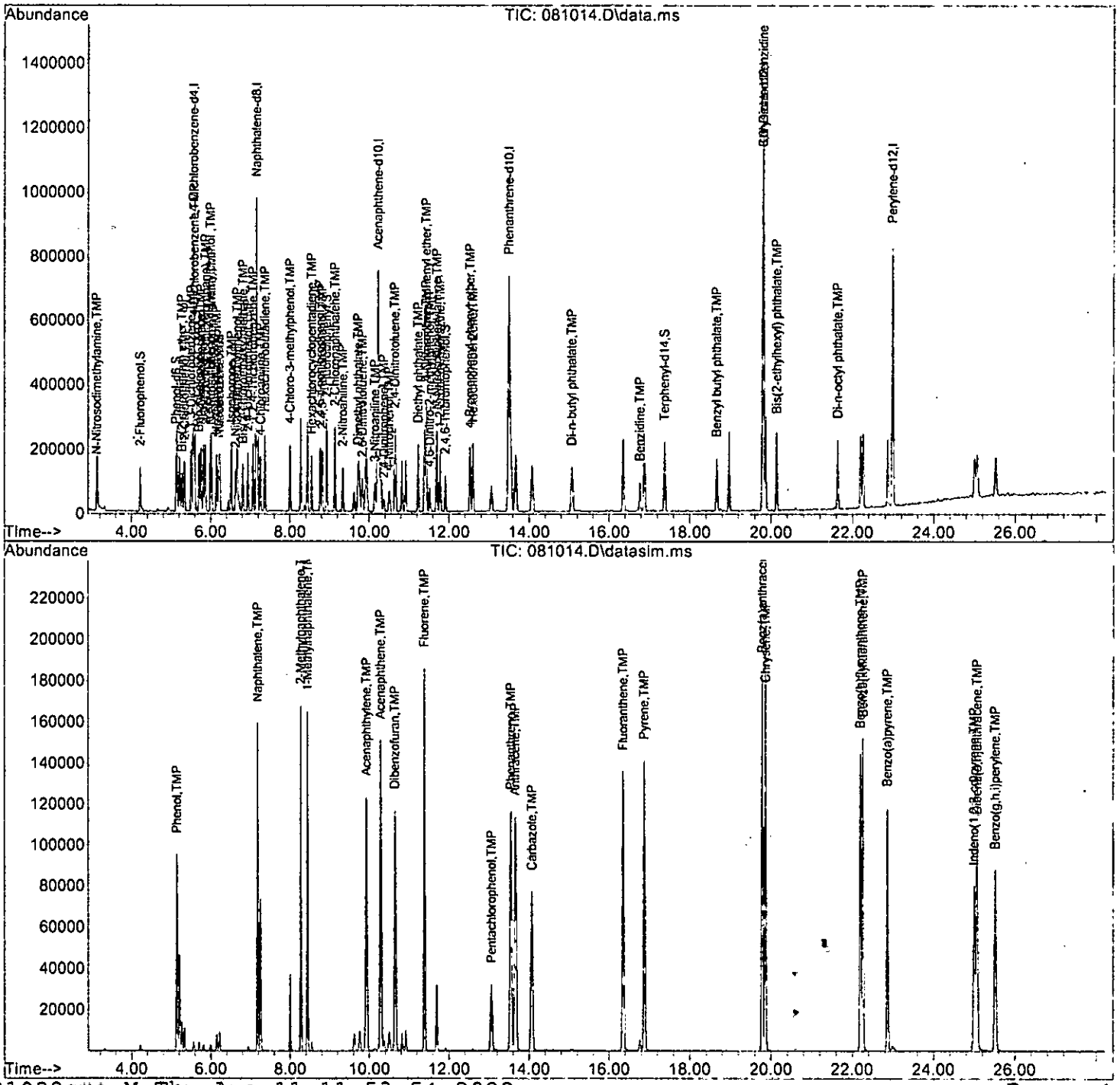
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.81	252	70074	2.397	ug/ml	94
72] Benz(a)anthracene	19.79	228	273735	2.032	ug/ml	100
73] Chrysene	19.87	228	266618	2.014	ug/ml	99
74) Bis(2-ethylhexyl) phth...	20.14	149	131116	1.766	ug/ml	99
76) Di-n-octyl phthalate	21.64	149	185517	2.004	ug/ml	99
77] Benzo(a)pyrene	22.87	252	193017	1.993	ug/ml	100
78] Benzo(b)fluoranthene	22.20	252	239373	2.013	ug/ml	100
79] Benzo(k)fluoranthene	22.26	252	231551	2.027	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.00	276	169635m	2.131	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	169314	2.128	ug/ml	100
82] Benzo(g,h,i)perylene	25.52	276	179323	2.157	ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081014.D
Acq On : 10 Aug 2022 6:08 pm
Operator : VM
Sample : 2 ug/ml 8270 ICAL 67-21G
Misc :
ALS Vial : 116 Sample Multiplier: 1
InstName : GCMS9

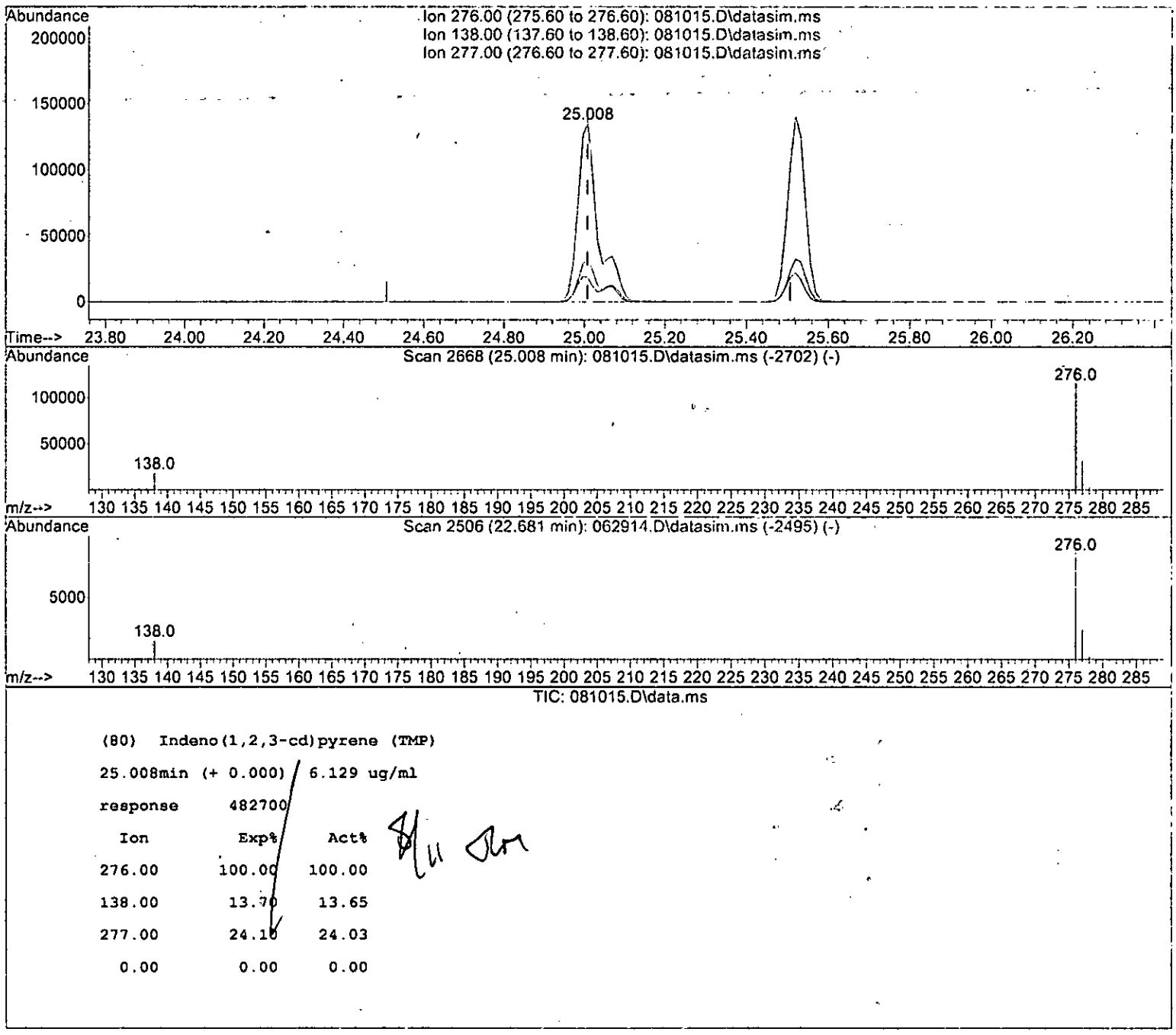
Quant Time: Aug 11 11:57:53 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:18 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081015.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 6.129 ug/ml

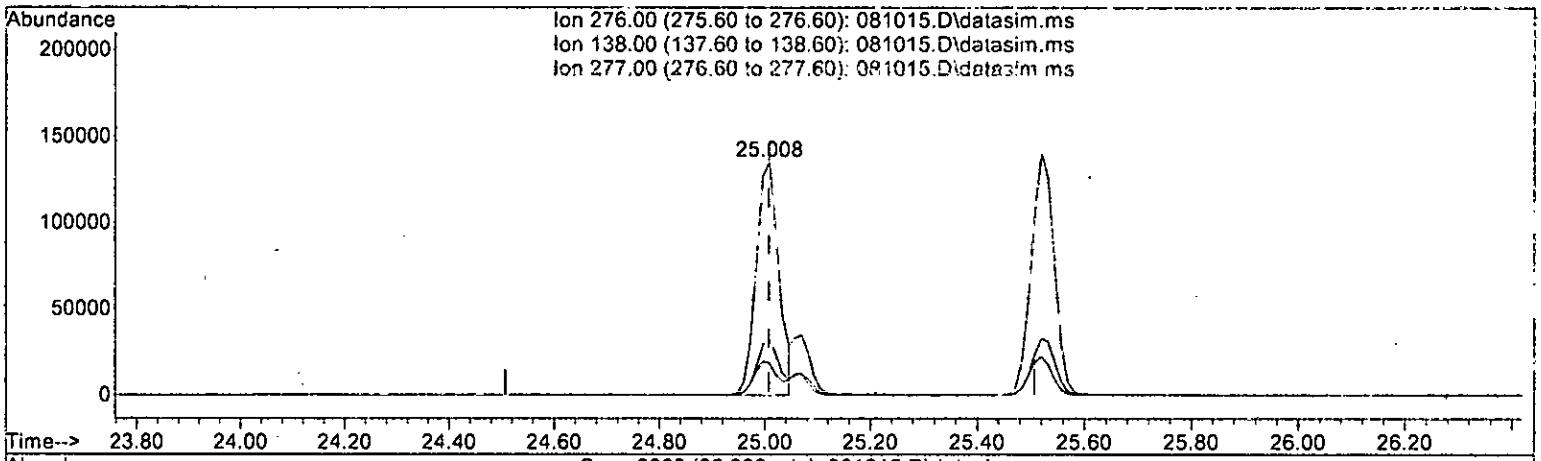
response 482700

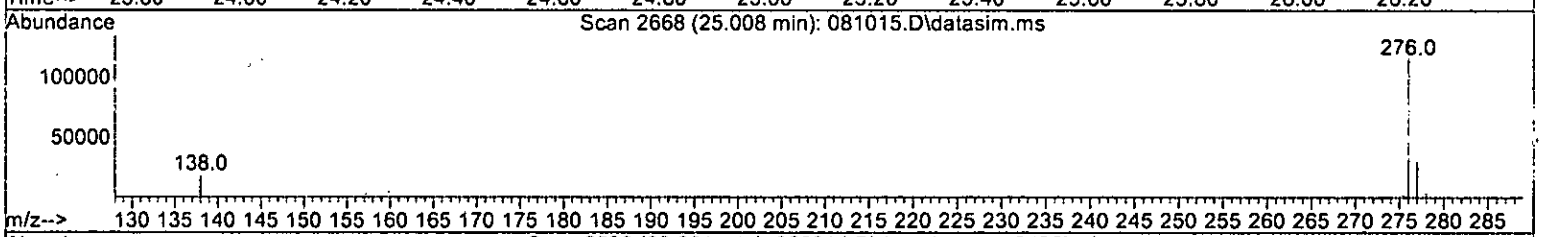
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.65
277.00	24.10	24.03
0.00	0.00	0.00

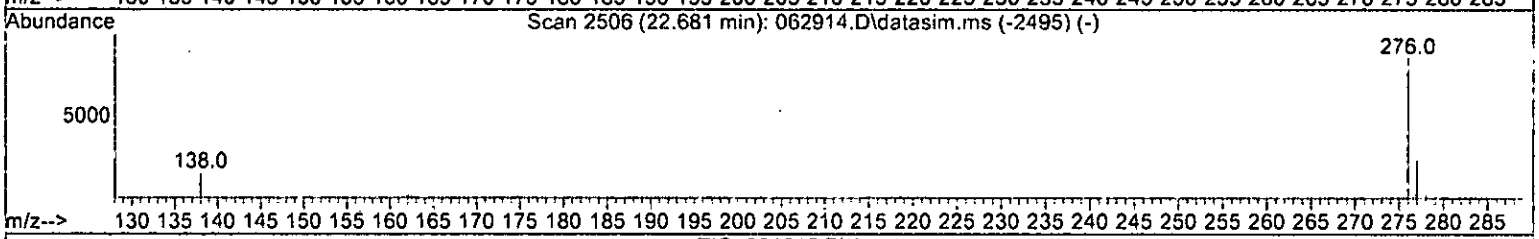
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:18 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081015.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 5.080 ug/ml m

response 400130

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.69
277.00	24.10	24.07
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	5.000	4.324	13.5	90	0.00
3	S	2-Fluorophenol	5.000	4.718	5.6	100	0.00
4	S	Phenol-d6	5.000	4.997	0.1	100	0.00
5	TMP	Phenol	5.000	4.798	4.0	100	0.00
6	TMP	Bis(2-chloroethyl) ether	5.000	4.700	6.0	100	0.00
7	TMP	2-Chlorophenol	5.000	4.807	3.9	100	0.00
8	TMP	1,3-Dichlorobenzene	5.000	4.788	4.2	100	0.00
9	TMP	1,4-Dichlorobenzene	5.000	4.972	0.6	100	0.00
10	TMP	1,2-Dichlorobenzene	5.000	4.829	3.4	100	0.00
11	TMP	Benzyl alcohol	5.000	4.769	4.6	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	5.000	4.776	4.5	100	0.00
13	TMP	2-Methylphenol	5.000	4.937	1.3	100	0.00
14	TMP	Hexachloroethane	5.000	4.625	7.5	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	5.000	4.636	7.3	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	5.000	4.850	3.0	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	5.000	5.019	-0.4	100	0.00
19	TMP	Nitrobenzene	5.000	5.225	-4.5	100	0.00
20	TMP	Isophorone	5.000	4.997	0.1	100	0.00
21	TMP	2-Nitrophenol	5.000	4.645	7.1	100	0.00
22	TMP	2,4-Dimethylphenol	5.000	4.873	2.5	100	0.00
23	TMP	Benzoic acid	5.000	5.022	-0.4	100	0.00
24	TMP	Bis(2-chloroethoxy)methane	5.000	4.978	0.4	100	0.00
25	TMP	2,4-Dichlorophenol	5.000	5.039	-0.8	100	0.00
26	TMP	1,2,4-Trichlorobenzene	5.000	5.020	-0.4	100	0.00
27	TMP	Naphthalene	5.000	4.981	0.4	100	0.00
28	TMP	Hexachlorobutadiene	5.000	4.970	0.6	100	0.00
29	TMP	4-Chloroaniline	5.000	4.944	1.1	100	0.00
30	TMP	4-Chloro-3-methylphenol	5.000	4.908	1.8	100	0.00
31	TMP	2-Methylnaphthalene	5.000	5.027	-0.5	100	0.00
32	TMP	1-Methylnaphthalene	5.000	5.028	-0.6	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	5.000	5.273	-5.5	100	0.00
35	TMP	2,4,6-Trichlorophenol	5.000	4.821	3.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	5.000	4.970	0.6	100	0.00
37	S	2-Fluorobiphenyl	5.000	4.978	0.4	100	0.00
38	TMP	2-Chloronaphthalene	5.000	4.884	2.3	100	0.00
39	TMP	2-Nitroaniline	5.000	4.731	5.4	100	0.00
40	TMP	Dimethyl phthalate	5.000	4.869	2.6	100	0.00
41	TMP	Acenaphthylene	5.000	5.074	-1.5	100	0.00
42	TMP	2,6-Dinitrotoluene	5.000	5.065	-1.3	100	0.00
43	TMP	3-Nitroaniline	5.000	5.129	-2.6	100	0.00
44	TMP	Acenaphthene	5.000	4.950	1.0	100	0.00
45	TMP	2,4-Dinitrophenol	5.000	4.587	8.3	100	0.00
46	TMP	Dibenzofuran	5.000	5.150	-3.0	100	0.00
47	TMP	2,4-Dinitrotoluene	5.000	5.029	-0.6	100	0.00
48	TMP	4-Nitrophenol	5.000	4.789	4.2	100	0.00
49	TMP	Diethyl phthalate	5.000	4.981	0.4	100	0.00
50	TMP	Fluorene	5.000	5.049	-1.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	5.000	5.227	-4.5	100	0.00
52	TMP	1,2-Diphenylhydrazine	5.000	4.894	2.1	100	0.00
53	S	2,4,6-Tribromophenol	5.000	4.785	4.3	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	5.000	5.077	-1.5	100	0.00
56	TMP	4-Nitroaniline	5.000	5.514	-10.3	112	0.00
57	TMP	4,6-Dinitro-2-methylphenol	5.000	5.176	-3.5	100	0.00
58	TMP	4-Bromophenyl phenyl ether	5.000	5.105	-2.1	100	0.00
59	TMP	Hexachlorobenzene	5.000	5.246	-4.9	100	0.00
60	TMP	Pentachlorophenol	5.000	4.857	2.9	100	0.00
61	TMP	Phenanthrene	5.000	5.137	-2.7	100	0.00
62	TMP	Anthracene	5.000	5.197	-3.9	100	0.00
63	TMP	Carbazole	5.000	5.239	-4.8	100	0.00
64	TMP	Di-n-butyl phthalate	5.000	6.010	-20.2#	100	0.00
65	TMP	Fluoranthene	5.000	5.241	-4.8	100	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	5.000	4.565	8.7	100	0.00
68	TMP	Pyrene	5.000	5.062	-1.2	100	0.00
69	S	Terphenyl-d14	5.000	4.892	2.2	100	0.00
70	TMP	Benzyl butyl phthalate	5.000	4.836	3.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	5.000	5.076	-1.5	100	0.00
72	TMP	Benz(a)anthracene	5.000	5.114	-2.3	100	0.00
73	TMP	Chrysene	5.000	5.040	-0.8	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	5.000	4.794	4.1	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	5.000	4.947	1.1	100	0.00
77	TMP	Benzo(a)pyrene	5.000	5.067	-1.3	100	0.00
78	TMP	Benzo(b)fluoranthene	5.000	4.976	0.5	100	0.00
79	TMP	Benzo(k)fluoranthene	5.000	5.170	-3.4	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	5.000	5.080	-1.6	100	0.00
81	TMP	Dibenz(a,h)anthracene	5.000	5.094	-1.9	100	0.00
82	TMP	Benzo(g,h,i)perylene	5.000	5.062	-1.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.573	13.4	90	0.00
3	S	2-Fluorophenol	1.064	1.004	5.6	100	0.00
4	S	Phenol-d6	1.279	1.278	0.1	100	0.00
5	TMP	Phenol	1.625	1.560	4.0	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.179	6.0	100	0.00
7	TMP	2-Chlorophenol	1.210	1.163	3.9	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.384	4.3	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.413	0.6	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.364	3.5	100	0.00
11	TMP	Benzyl alcohol	0.768	0.733	4.6	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	2.961	4.5	100	0.00
13	TMP	2-Methylphenol	1.055	1.041	1.3	100	0.00
14	TMP	Hexachloroethane	0.629	0.582	7.5	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.812	7.2	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.057	3.0	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.403	-0.5	100	0.00
19	TMP	Nitrobenzene	0.414	0.433	-4.6	100	0.00
20	TMP	Isophorone	0.690	0.690	0.0	100	0.00
21	TMP	2-Nitrophenol	0.173	0.160	7.5	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.370	2.4	100	0.00
23	TMP	Benzoic acid	0.178	0.125	29.8#	100	0.00
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.431	0.5	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.322	-0.9	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.402	-0.5	100	0.00
27	TMP	Naphthalene	1.188	1.183	0.4	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.311	0.6	100	0.00
29	TMP	4-Chloroaniline	0.433	0.428	1.2	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.316	1.9	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.761	-0.5	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.730	-0.6	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.568	-5.6	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.464	3.7	100	0.00

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.501	0.6	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.400	0.4	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.208	2.3	100	0.00
39	TMP	2-Nitroaniline	0.437	0.414	5.3	100	0.00
40	TMP	Dimethyl phthalate	1.457	1.419	2.6	100	0.00
41	TMP	Acenaphthylene	2.125	2.156	-1.5	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.281	-6.4	100	0.00
43	TMP	3-Nitroaniline	0.498	0.510	-2.4	100	0.00
44	TMP	Acenaphthene	1.489	1.474	1.0	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.138	13.2	100	0.00
46	TMP	Dibenzofuran	2.346	2.416	-3.0	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.375	-0.5	100	0.00
48	TMP	4-Nitrophenol	0.297	0.266	10.4	100	0.00
49	TMP	Diethyl phthalate	1.527	1.521	0.4	100	0.00
50	TMP	Fluorene	1.536	1.551	-1.0	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.781	-4.6	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.327	2.1	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.280	4.4	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.568	-1.4	100	0.00
56	TMP	4-Nitroaniline	0.087	0.096	-10.3	112	0.00
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.101	0.0	100	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.247	-2.1	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.307	-4.8	100	0.00
60	TMP	Pentachlorophenol	0.207	0.201	2.9	100	0.00
61	TMP	Phenanthrene	1.202	1.235	-2.7	100	0.00
62	TMP	Anthracene	1.177	1.224	-4.0	100	0.00
63	TMP	Carbazole	0.901	0.944	-4.8	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.549	-20.2#	100	0.00
65	TMP	Fluoranthene	1.367	1.433	-4.8	100	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.420	8.7	100	0.00
68	TMP	Pyrene	1.674	1.695	-1.3	100	0.00
69	S	Terphenyl-d14	1.068	1.045	2.2	100	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.538	3.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.315	-1.6	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.469	10.3	100	0.00
73	TMP	Chrysene	1.403	1.414	-0.8	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.754	4.2	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.256	11.7	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.240	-1.4	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.495	0.5	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.492	-3.4	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.022	-1.6	100	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.024	-1.9	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.063	-1.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	224716	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	699973	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	396800	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	808298	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	705973	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	626507	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	141001	4.718	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 31.47%			
4) Phenol-d6	5.13	99	179510	4.997	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 33.33%			
18) Nitrobenzene-d5	6.20	82	176131	5.019	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 50.20%			
37) 2-Fluorobiphenyl	8.93	172	347232	4.978	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 49.80%			
53) 2,4,6-Tribromophenol	11.91	330	69497	4.785	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 31.93%			
69) Terphenyl-d14	17.38	244	461243	4.892	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 48.90%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	80448	4.324	ug/ml	100
5] Phenol	5.15	94	219039	4.798	ug/ml	100
6) Bis(2-chloroethyl) ether	5.27	63	165563	4.700	ug/ml	100
7) 2-Chlorophenol	5.34	128	163348	4.807	ug/ml	100
8) 1,3-Dichlorobenzene	5.51	146	194418	4.788	ug/ml	100
9) 1,4-Dichlorobenzene	5.58	146	198451	4.972	ug/ml	100
10) 1,2-Dichlorobenzene	5.75	146	191622	4.829	ug/ml	100
11) Benzyl alcohol	5.70	108	102897	4.769	ug/ml	100
12) 2,2'-Oxybis(1-chloropr...	5.87	45	415855	4.776	ug/ml	100
13) 2-Methylphenol	5.82	108	146250	4.937	ug/ml	100
14) Hexachloroethane	6.14	117	81756	4.625	ug/ml	100
15) N-Nitroso-di-n-propyla...	6.02	70	113975	4.636	ug/ml	100
16) 3-Methylphenol + 4-Met...	6.00	108	148492	4.850	ug/ml	100
19) Nitrobenzene	6.22	77	189429	5.225	ug/ml	100
20) Isophorone	6.52	82	301840	4.997	ug/ml	100
21) 2-Nitrophenol	6.63	139	70179	4.645	ug/ml	100
22) 2,4-Dimethylphenol	6.67	107	161725	4.873	ug/ml	100
23) Benzoic acid	6.73	122	54811	5.022	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	188699	4.978	ug/ml	100
25) 2,4-Dichlorophenol	6.94	162	140846	5.039	ug/ml	100
26) 1,2,4-Trichlorobenzene	7.07	180	175808	5.020	ug/ml	100
27] Naphthalene	7.18	128	517664	4.981	ug/ml	100
28) Hexachlorobutadiene	7.37	225	135894	4.970	ug/ml	100
29) 4-Chloroaniline	7.26	127	187306	4.944	ug/ml	100
30) 4-Chloro-3-methylphenol	8.00	107	138063	4.908	ug/ml	100
31] 2-Methylnaphthalene	8.27	142	332828	5.027	ug/ml	100
32] 1-Methylnaphthalene	8.44	142	319384	5.028	ug/ml	100
34) Hexachlorocyclopentadiene	8.54	237	140743	5.273	ug/ml	100
35) 2,4,6-Trichlorophenol	8.76	196	115168	4.821	ug/ml	100
36) 2,4,5-Trichlorophenol	8.81	196	124288	4.970	ug/ml	100
38) 2-Chloronaphthalene	9.14	162	299689	4.884	ug/ml	100
39) 2-Nitroaniline	9.33	65	102588	4.731	ug/ml	100
40) Dimethyl phthalate	9.74	163	351879	4.869	ug/ml	100
41] Acenaphthylene	9.93	152	534758	5.074	ug/ml	100
42) 2,6-Dinitrotoluene	9.83	165	69713	5.065	ug/ml	100
43) 3-Nitroaniline	10.15	65	126585	5.129	ug/ml	100
44] Acenaphthene	10.28	153	365443	4.950	ug/ml	100
45) 2,4-Dinitrophenol	10.37	184	34248	4.587	ug/ml	100
46] Dibenzofuran	10.66	168	599171	5.150	ug/ml	100
47) 2,4-Dinitrotoluene	10.66	165	93120	5.029	ug/ml	100
48) 4-Nitrophenol	10.51	65	66003	4.789	ug/ml	100
49) Diethyl phthalate	11.23	149	377302	4.981	ug/ml	100
50] Fluorene	11.39	166	384624	5.049	ug/ml	100
51) 4-Chlorophenyl phenyl ...	11.43	204	193651	5.227	ug/ml	100
52) 1,2-Diphenylhydrazine	11.78	77	329072	4.894	ug/ml	100
55) N-Nitrosodiphenylamine	11.70	169	287030	5.077	ug/ml	100
56) 4-Nitroaniline	11.44	138	48511	5.514	ug/ml	100
57) 4,6-Dinitro-2-methylph...	11.52	198	51269	5.176	ug/ml	100
58) 4-Bromophenyl phenyl e...	12.53	248	124707	5.105	ug/ml	100
59) Hexachlorobenzene	12.60	284	155044	5.246	ug/ml	100
60] Pentachlorophenol	13.06	266	101586	4.857	ug/ml	100
61] Phenanthrene	13.54	178	623957	5.137	ug/ml	100
62] Anthracene	13.65	178	618196	5.197	ug/ml	100
63] Carbazole	14.07	167	476988	5.239	ug/ml	100
64) Di-n-butyl phthalate	15.07	149	782557	6.010	ug/ml	100
65] Fluoranthene	16.35	202	723746	5.241	ug/ml	100
67) Benzidine	16.77	184	185232	4.565	ug/ml	100
68] Pyrene	16.87	202	747768	5.062	ug/ml	100
70) Benzyl butyl phthalate	18.67	149	237317	4.836	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

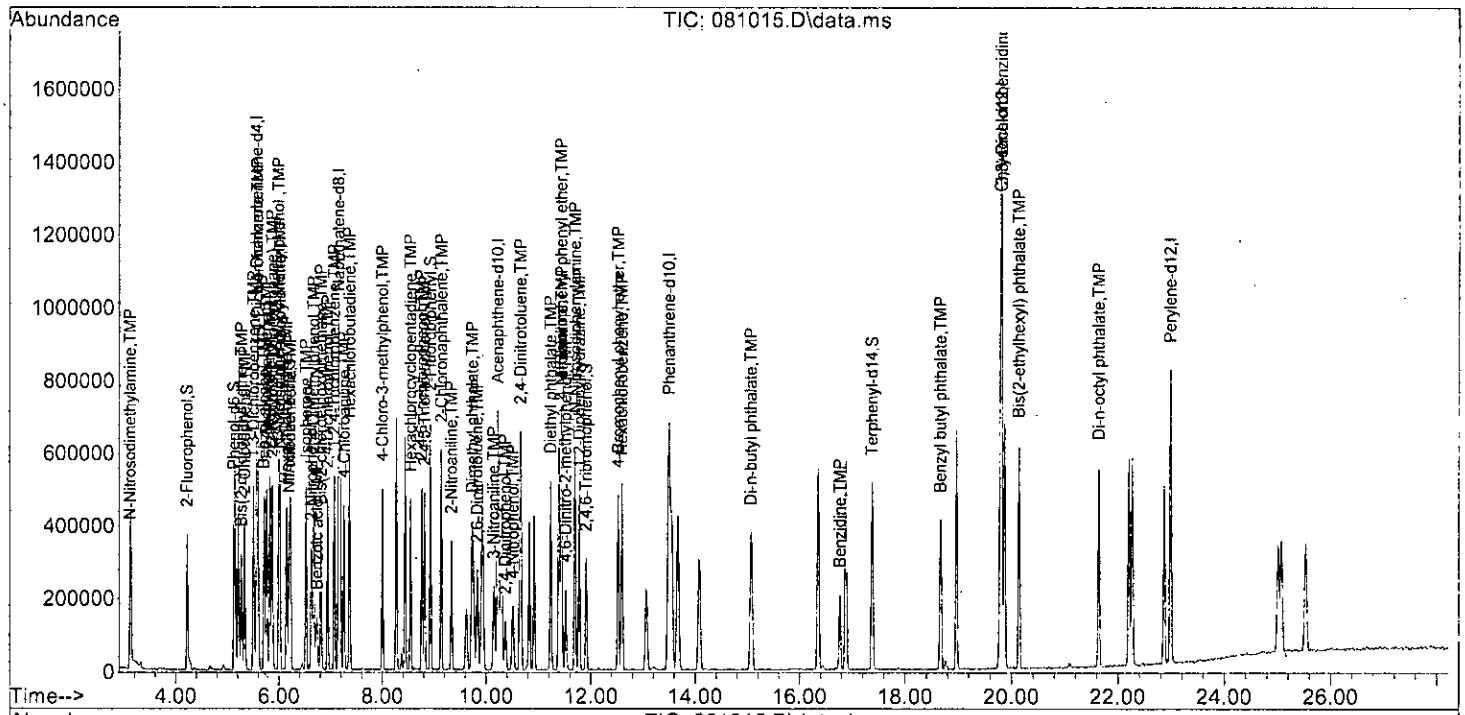
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	138774	5.076	ug/ml	100
72] Benz(a)anthracene	19.79	228	647976	5.114	ug/ml	100
73] Chrysene	19.87	228	623858	5.040	ug/ml	100
74) Bis(2-ethylhexyl) phth...	20.14	149	332847	4.794	ug/ml	100
76) Di-n-octyl phthalate	21.64	149	491852	4.947	ug/ml	100
77] Benzo(a)pyrene	22.87	252	485404	5.067	ug/ml	100
78] Benzo(b)fluoranthene	22.20	252	585337	4.976	ug/ml	100
79] Benzo(k)fluoranthene	22.27	252	584248	5.170	ug/ml	100
80] Indeno(1,2,3-cd)pyrene	25.01	276	400130m	5.080	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	400900	5.094	ug/ml	100
82] Benzo(g,h,i)perylene	25.52	276	416236	5.062	ug/ml	100

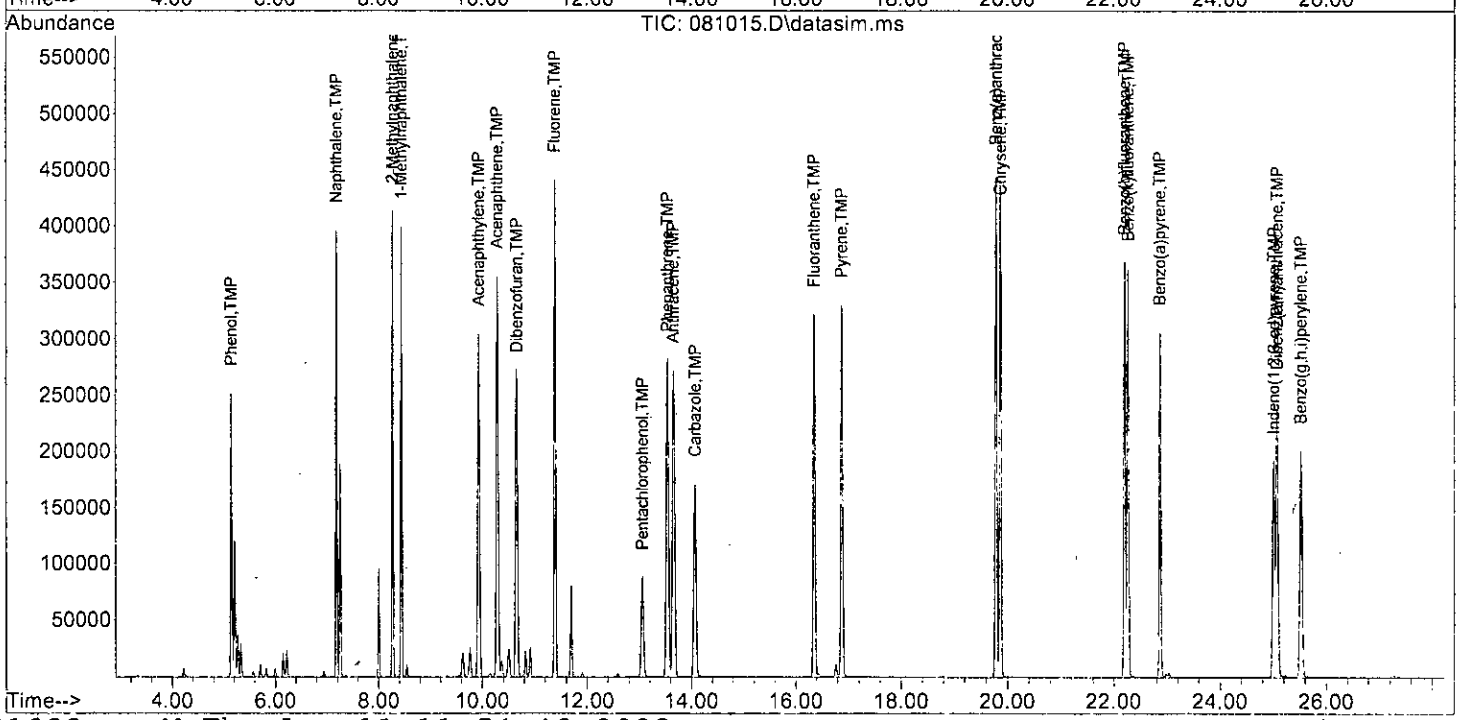
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081015.D
Acq On : 10 Aug 2022 6:42 pm
Operator : VM
Sample : 5 ug/ml 8270 ICAL 67-21H
Misc :
ALS Vial : 117 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:58:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

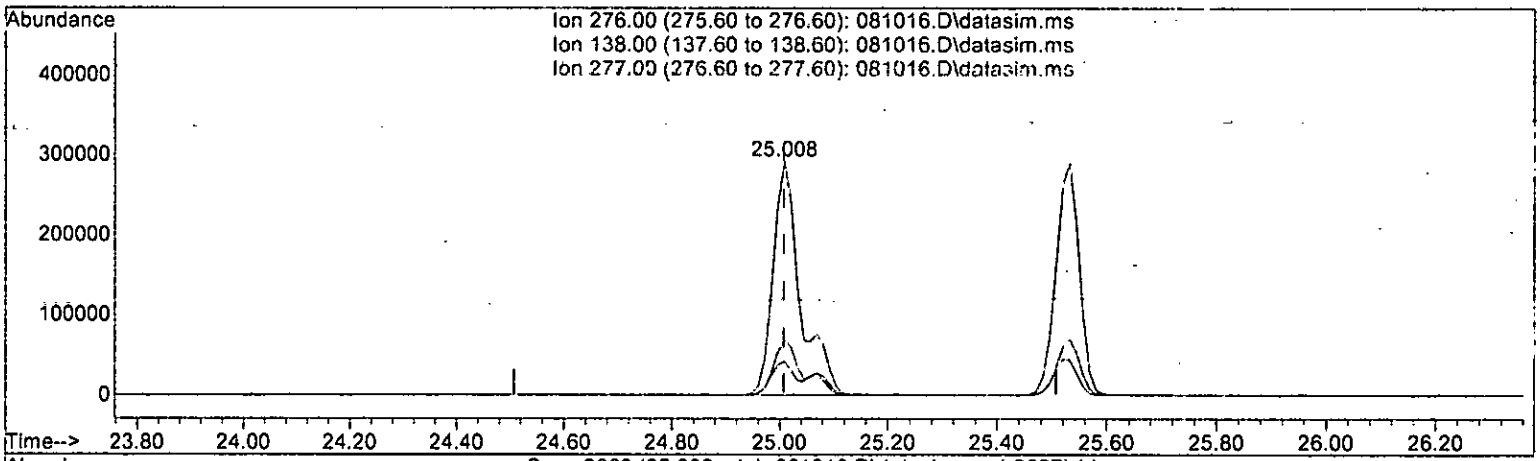


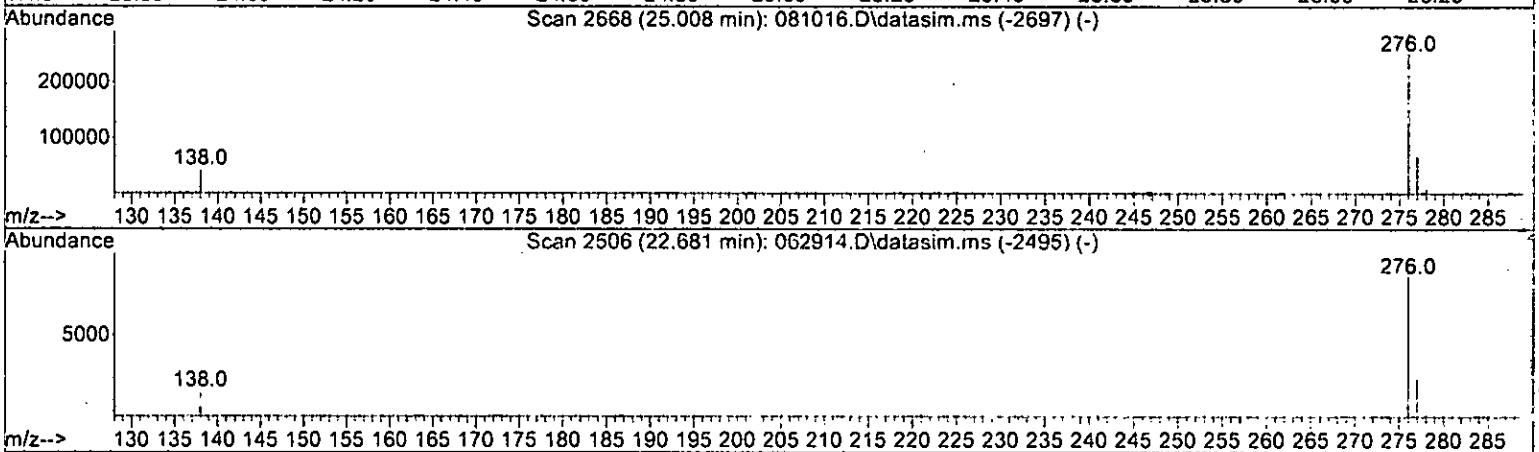


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:21 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081016.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 12.059 ug/ml

response 1029614

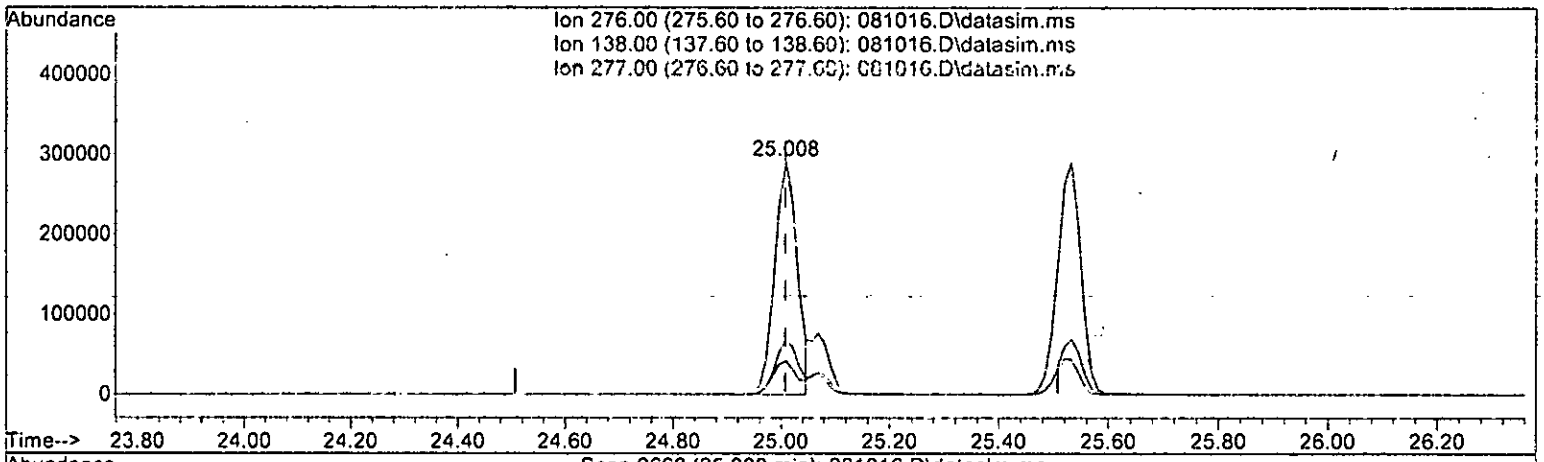
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.32
277.00	24.10	23.58
0.00	0.00	0.00

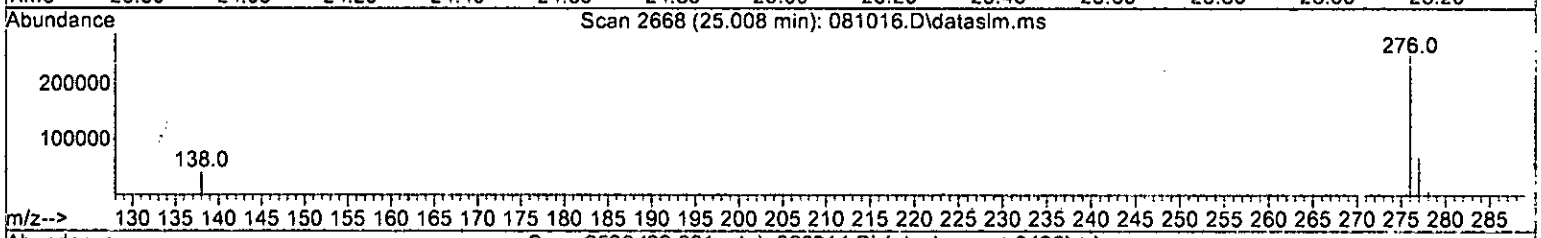
8/11 JRM

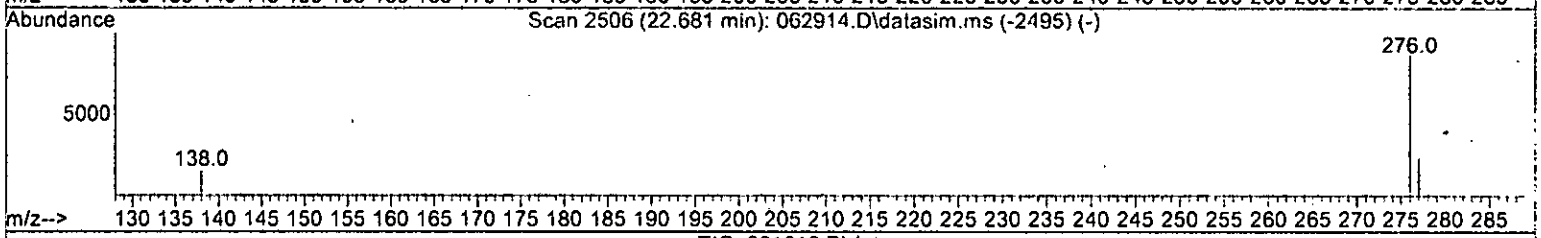
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:21 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081016.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 9.842 ug/ml m

response 840318

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.34
277.00	24.10	23.60
0.00	0.00	0.00

8/11 GM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	10.000	10.027	-0.3	100	0.00
3	S	2-Fluorophenol	10.000	10.114	-1.1	100	0.00
4	S	Phenol-d6	10.000	10.226	-2.3	100	0.00
5	TMP	Phenol	10.000	10.115	-1.2	100	0.00
6	TMP	Bis(2-chloroethyl) ether	10.000	9.912	0.9	100	0.00
7	TMP	2-Chlorophenol	10.000	10.262	-2.6	100	0.00
8	TMP	1,3-Dichlorobenzene	10.000	9.767	2.3	100	0.00
9	TMP	1,4-Dichlorobenzene	10.000	10.202	-2.0	100	0.00
10	TMP	1,2-Dichlorobenzene	10.000	9.685	3.1	100	0.00
11	TMP	Benzyl alcohol	10.000	9.922	0.8	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	10.000	10.046	-0.5	100	0.00
13	TMP	2-Methylphenol	10.000	9.984	0.2	100	0.00
14	TMP	Hexachloroethane	10.000	10.136	-1.4	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	10.000	10.053	-0.5	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	10.000	10.059	-0.6	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	10.000	9.721	2.8	100	0.00
19	TMP	Nitrobenzene	10.000	10.159	-1.6	100	0.00
20	TMP	Isophorone	10.000	10.159	-1.6	100	0.00
21	TMP	2-Nitrophenol	10.000	10.314	-3.1	100	0.00
22	TMP	2,4-Dimethylphenol	10.000	10.272	-2.7	100	0.00
23	TMP	Benzoic acid	10.000	9.892	1.1	100	0.03
24	TMP	Bis(2-chloroethoxy)methane	10.000	9.956	0.4	100	0.00
25	TMP	2,4-Dichlorophenol	10.000	10.493	-4.9	100	0.00
26	TMP	1,2,4-Trichlorobenzene	10.000	10.020	-0.2	100	0.00
27	TMP	Naphthalene	10.000	9.888	1.1	100	0.00
28	TMP	Hexachlorobutadiene	10.000	10.113	-1.1	100	0.00
29	TMP	4-Chloroaniline	10.000	9.944	0.6	100	0.00
30	TMP	4-Chloro-3-methylphenol	10.000	10.150	-1.5	100	0.00
31	TMP	2-Methylnaphthalene	10.000	9.987	0.1	100	0.00
32	TMP	1-Methylnaphthalene	10.000	10.007	-0.1	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	10.000	10.493	-4.9	100	0.00
35	TMP	2,4,6-Trichlorophenol	10.000	10.276	-2.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	10.000	9.882	1.2	100	0.00
37	S	2-Fluorobiphenyl	10.000	10.074	-0.7	100	0.00
38	TMP	2-Chloronaphthalene	10.000	10.053	-0.5	100	0.00
39	TMP	2-Nitroaniline	10.000	10.057	-0.6	100	0.00
40	TMP	Dimethyl phthalate	10.000	10.157	-1.6	100	0.00
41	TMP	Acenaphthylene	10.000	10.064	-0.6	100	0.00
42	TMP	2,6-Dinitrotoluene	10.000	10.390	-3.9	100	0.00
43	TMP	3-Nitroaniline	10.000	10.568	-5.7	100	0.01
44	TMP	Acenaphthene	10.000	9.899	1.0	100	0.01
45	TMP	2,4-Dinitrophenol	10.000	10.273	-2.7	100	0.01
46	TMP	Dibenzofuran	10.000	10.244	-2.4	100	0.00
47	TMP	2,4-Dinitrotoluene	10.000	10.472	-4.7	100	0.00
48	TMP	4-Nitrophenol	10.000	10.615	-6.2	100	0.00
49	TMP	Diethyl phthalate	10.000	9.947	0.5	100	0.00
50	TMP	Fluorene	10.000	10.027	-0.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	10.000	10.123	-1.2	100	0.00
52	TMP	1,2-Diphenylhydrazine	10.000	10.111	-1.1	100	0.00
53	S	2,4,6-Tribromophenol	10.000	10.486	-4.9	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	10.000	9.963	0.4	100	0.00
56	TMP	4-Nitroaniline	10.000	11.679	-16.8	120	0.00
57	TMP	4,6-Dinitro-2-methylphenol	10.000	10.106	-1.1	100	0.00
58	TMP	4-Bromophenyl phenyl ether	10.000	10.281	-2.8	100	0.00
59	TMP	Hexachlorobenzene	10.000	10.252	-2.5	100	0.00
60	TMP	Pentachlorophenol	10.000	10.361	-3.6	100	0.00
61	TMP	Phenanthrene	10.000	10.187	-1.9	100	0.00
62	TMP	Anthracene	10.000	10.561	-5.6	100	0.02
63	TMP	Carbazole	10.000	9.688	3.1	100	0.00
64	TMP	Di-n-butyl phthalate	10.000	10.471	-4.7	100	0.00
65	TMP	Fluoranthene	10.000	10.490	-4.9	100	0.01
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	10.000	9.310	6.9	100	0.00
68	TMP	Pyrene	10.000	10.099	-1.0	100	0.01
69	S	Terphenyl-d14	10.000	9.877	1.2	100	0.01
70	TMP	Benzyl butyl phthalate	10.000	9.828	1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	10.000	9.716	2.8	100	0.00
72	TMP	Benz(a)anthracene	10.000	10.257	-2.6	100	0.00
73	TMP	Chrysene	10.000	10.084	-0.8	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	10.000	10.535	-5.4	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	10.000	10.259	-2.6	100	0.00
77	TMP	Benzo(a)pyrene	10.000	10.338	-3.4	100	0.00
78	TMP	Benzo(b)fluoranthene	10.000	10.265	-2.7	100	0.00
79	TMP	Benzo(k)fluoranthene	10.000	10.290	-2.9	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	10.000	9.842	1.6	100	0.00
81	TMP	Dibenz(a,h)anthracene	10.000	10.087	-0.9	100	0.00
82	TMP	Benzo(g,h,i)perylene	10.000	9.646	3.5	100	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.664	-0.3	100	0.00
3	S	2-Fluorophenol	1.064	1.076	-1.1	100	0.00
4	S	Phenol-d6	1.279	1.308	-2.3	100	0.00
5	TMP	Phenol	1.625	1.644	-1.2	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.243	0.9	100	0.00
7	TMP	2-Chlorophenol	1.210	1.241	-2.6	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.412	2.4	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.450	-2.0	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.368	3.2	100	0.00
11	TMP	Benzyl alcohol	0.768	0.762	0.8	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.114	-0.5	100	0.00
13	TMP	2-Methylphenol	1.055	1.053	0.2	100	0.00
14	TMP	Hexachloroethane	0.629	0.638	-1.4	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.880	-0.6	100	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.096	-0.6	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.390	2.7	100	0.00
19	TMP	Nitrobenzene	0.414	0.421	-1.7	100	0.00
20	TMP	Isophorone	0.690	0.701	-1.6	100	0.00
21	TMP	2-Nitrophenol	0.173	0.178	-2.9	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.390	-2.9	100	0.00
23	TMP	Benzoic acid	0.178	0.163	8.4	100	0.03
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.431	0.5	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.335	-5.0	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.401	-0.3	100	0.00
27	TMP	Naphthalene	1.188	1.175	1.1	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.316	-1.0	100	0.00
29	TMP	4-Chloroaniline	0.433	0.431	0.5	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.326	-1.2	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.756	0.1	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.727	-0.1	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	0.538	0.565	-5.0	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.495	-2.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.498	1.2	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.417	-0.8	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.244	-0.6	100	0.00
39	TMP	2-Nitroaniline	0.437	0.440	-0.7	100	0.00
40	TMP	Dimethyl phthalate	1.457	1.480	-1.6	100	0.00
41	TMP	Acenaphthylene	2.125	2.138	-0.6	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.301	-14.0	100	0.00
43	TMP	3-Nitroaniline	0.498	0.526	-5.6	100	0.01
44	TMP	Acenaphthene	1.489	1.473	1.1	100	0.01
45	TMP	2,4-Dinitrophenol	0.159	0.174	-9.4	100	0.01
46	TMP	Dibenzofuran	2.346	2.403	-2.4	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.391	-4.8	100	0.00
48	TMP	4-Nitrophenol	0.297	0.313	-5.4	100	0.00
49	TMP	Diethyl phthalate	1.527	1.519	0.5	100	0.00
50	TMP	Fluorene	1.536	1.540	-0.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.756	-1.2	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.371	-1.1	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.307	-4.8	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.558	0.4	100	0.00
56	TMP	4-Nitroaniline	0.087	0.102	-17.2	120	0.00
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.106	-5.0	100	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.249	-2.9	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.300	-2.4	100	0.00
60	TMP	Pentachlorophenol	0.207	0.214	-3.4	100	0.00
61	TMP	Phenanthrene	1.202	1.225	-1.9	100	0.00
62	TMP	Anthracene	1.177	1.243	-5.6	100	0.02
63	TMP	Carbazole	0.901	0.873	3.1	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.349	-4.7	100	0.00
65	TMP	Fluoranthene	1.367	1.434	-4.9	100	0.01
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.428	7.0	100	0.00
68	TMP	Pyrene	1.674	1.690	-1.0	100	0.01
69	S	Terphenyl-d14	1.068	1.055	1.2	100	0.01
70	TMP	Benzyl butyl phthalate	0.556	0.547	1.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.301	2.9	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.496	8.6	100	0.00
73	TMP	Chrysene	1.403	1.415	-0.9	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.829	-5.3	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.420	0.2	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.265	-3.4	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.542	-2.7	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.485	-2.9	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	0.990	1.6	100	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.014	-0.9	100	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.013	3.5	100	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	241934	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	794617	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	449884	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.50	188	911007	8.000	ug/ml	0.00
66) Chrysene-d12	19.82	240	795931	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	679179	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	325431	10.114	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 67.40%#			
4) Phenol-d6	5.14	99	395462	10.226	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 68.20%#			
18) Nitrobenzene-d5	6.20	82	387244	9.721	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 97.20%			
37) 2-Fluorobiphenyl	8.94	172	796645	10.074	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 100.70%			
53) 2,4,6-Tribromophenol	11.92	330	172668	10.486	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 69.93%			
69) Terphenyl-d14	17.39	244	1049990	9.877	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 98.80%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	200853	10.027	ug/ml	99
5) Phenol	5.15	94	497137	10.115	ug/ml	92
6) Bis(2-chloroethyl) ether	5.27	63	375901	9.912	ug/ml	99
7) 2-Chlorophenol	5.34	128	375423	10.262	ug/ml	97
8) 1,3-Dichlorobenzene	5.51	146	426980	9.767	ug/ml	94
9) 1,4-Dichlorobenzene	5.58	146	438406	10.202	ug/ml	99
10) 1,2-Dichlorobenzene	5.75	146	413757	9.685	ug/ml	99
11) Benzyl alcohol	5.71	108	230477	9.922	ug/ml	95
12) 2,2'-Oxybis(1-chloropr...	5.87	45	941754	10.046	ug/ml	98
13) 2-Methylphenol	5.82	108	318432	9.984	ug/ml	99
14) Hexachloroethane	6.14	117	192889	10.136	ug/ml	94
15) N-Nitroso-di-n-propyla...	6.02	70	266092	10.053	ug/ml	97
16) 3-Methylphenol + 4-Met...	6.00	108	331572	10.059	ug/ml	97
19) Nitrobenzene	6.22	77	418103	10.159	ug/ml	99
20) Isophorone	6.53	82	696571	10.159	ug/ml	99
21) 2-Nitrophenol	6.63	139	176886	10.314	ug/ml	93
22) 2,4-Dimethylphenol	6.67	107	387022	10.272	ug/ml	99
23) Benzoic acid	6.76	122	162334	9.892	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
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Operator : VM
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Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	428484	9.956	ug/ml	99
25) 2,4-Dichlorophenol	6.94	162	332956	10.493	ug/ml	96
26) 1,2,4-Trichlorobenzene	7.07	180	398400	10.020	ug/ml	99
27] Naphthalene	7.18	128	1166688	9.888	ug/ml	100
28) Hexachlorobutadiene	7.37	225	313904	10.113	ug/ml	97
29) 4-Chloroaniline	7.26	127	427685	9.944	ug/ml	97
30) 4-Chloro-3-methylphenol	8.00	107	324138	10.150	ug/ml	96
31] 2-Methylnaphthalene	8.27	142	750543	9.987	ug/ml	99
32] 1-Methylnaphthalene	8.44	142	721696	10.007	ug/ml	99
34) Hexachlorocyclopentadiene	8.54	237	317549	10.493	ug/ml	90
35) 2,4,6-Trichlorophenol	8.76	196	278338	10.276	ug/ml	98
36) 2,4,5-Trichlorophenol	8.81	196	280201	9.882	ug/ml	96
38) 2-Chloronaphthalene	9.14	162	699311	10.053	ug/ml	98
39) 2-Nitroaniline	9.34	65	247226	10.057	ug/ml	97
40) Dimethyl phthalate	9.74	163	832175	10.157	ug/ml	99
41] Acenaphthylene	9.93	152	1202431	10.064	ug/ml	99
42) 2,6-Dinitrotoluene	9.83	165	169265	10.390	ug/ml	87
43) 3-Nitroaniline	10.16	65	295685	10.568	ug/ml	98
44] Acenaphthene	10.30	153	828614	9.899	ug/ml	95
45) 2,4-Dinitrophenol	10.38	184	98058	10.273	ug/ml	93
46] Dibenzofuran	10.66	168	1351324	10.244	ug/ml	98
47) 2,4-Dinitrotoluene	10.66	165	219838	10.472	ug/ml	96
48) 4-Nitrophenol	10.51	65	175751	10.615	ug/ml	93
49) Diethyl phthalate	11.24	149	854351	9.947	ug/ml	98
50] Fluorene	11.39	166	865984	10.027	ug/ml	96
51) 4-Chlorophenyl phenyl ...	11.43	204	425235	10.123	ug/ml	96
52) 1,2-Diphenylhydrazine	11.78	77	770720	10.111	ug/ml	97
55) N-Nitrosodiphenylamine	11.70	169	634883	9.963	ug/ml	99
56) 4-Nitroaniline	11.45	138	115808	11.679	ug/ml	98
57) 4,6-Dinitro-2-methylph...	11.53	198	121175	10.106	ug/ml	94
58) 4-Bromophenyl phenyl e...	12.53	248	283036	10.281	ug/ml	96
59) Hexachlorobenzene	12.60	284	341526	10.252	ug/ml	98
60] Pentachlorophenol	13.06	266	244224	10.361	ug/ml	99
61] Phenanthrene	13.54	178	1394615	10.187	ug/ml	99
62] Anthracene	13.67	178	1415951	10.561	ug/ml	98
63] Carbazole	14.07	167	994194	9.688	ug/ml	100
64) Di-n-butyl phthalate	15.07	149	1536539	10.471	ug/ml	98
65] Fluoranthene	16.36	202	1632824	10.490	ug/ml	96
67) Benzidine	16.77	184	425905	9.310	ug/ml	95
68] Pyrene	16.88	202	1681806	10.099	ug/ml	95
70) Benzyl butyl phthalate	18.67	149	543756	9.828	ug/ml	97

Data Path : N:\Proc_GCMS9\08-10-22\
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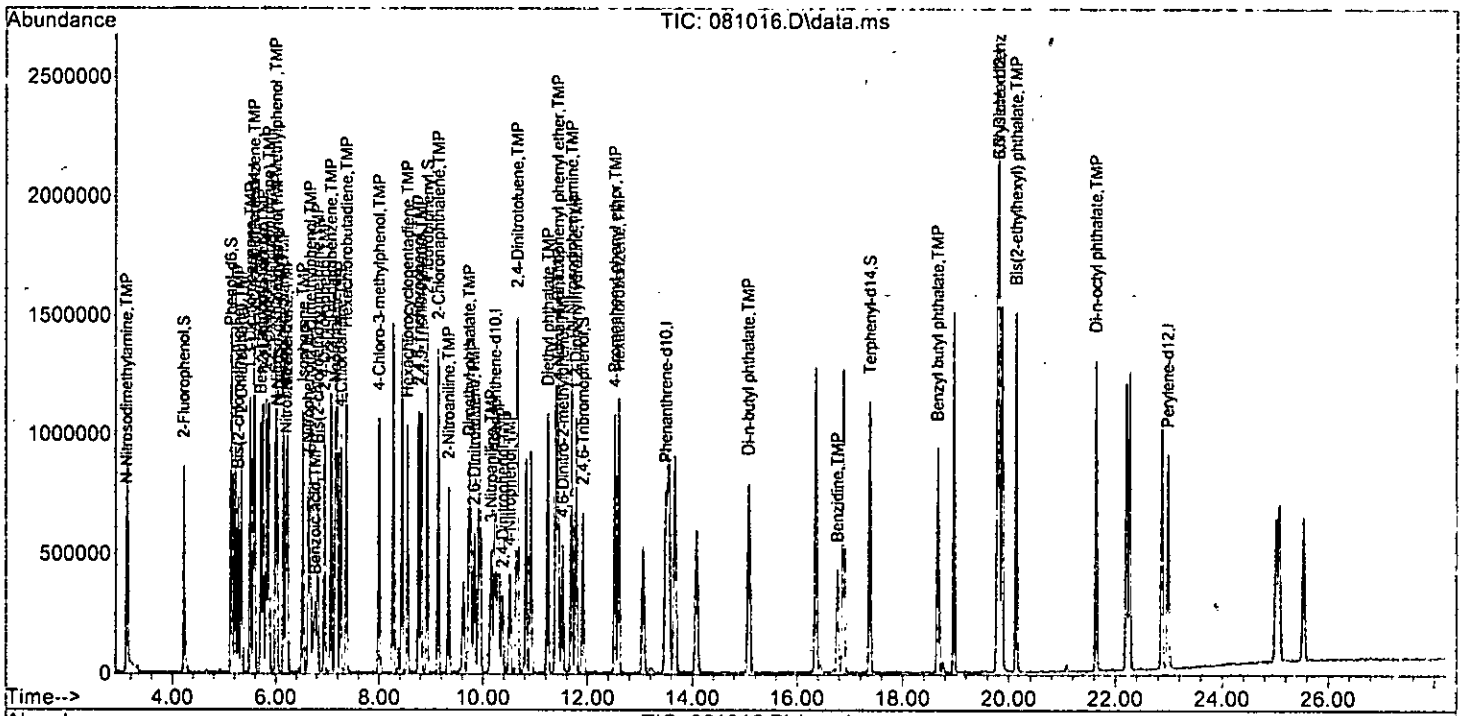
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	299470	9.716	ug/ml	99
72] Benz(a)anthracene	19.79	228	1488354	10.257	ug/ml	99
73] Chrysene	19.87	228	1407389	10.084	ug/ml	100
74) Bis(2-ethylhexyl) phth...	20.14	149	824620	10.535	ug/ml	98
76) Di-n-octyl phthalate	21.64	149	1205525	10.259	ug/ml	100
77] Benzo(a)pyrene	22.87	252	1073559	10.338	ug/ml	99
78] Benzo(b)fluoranthene	22.21	252	1309022	10.265	ug/ml	100
79] Benzo(k)fluoranthene	22.27	252	1260656	10.290	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.01	276	840318m	9.842	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	860671	10.087	ug/ml	99
82] Benzo(g,h,i)perylene	25.53	276	859886	9.646	ug/ml	99

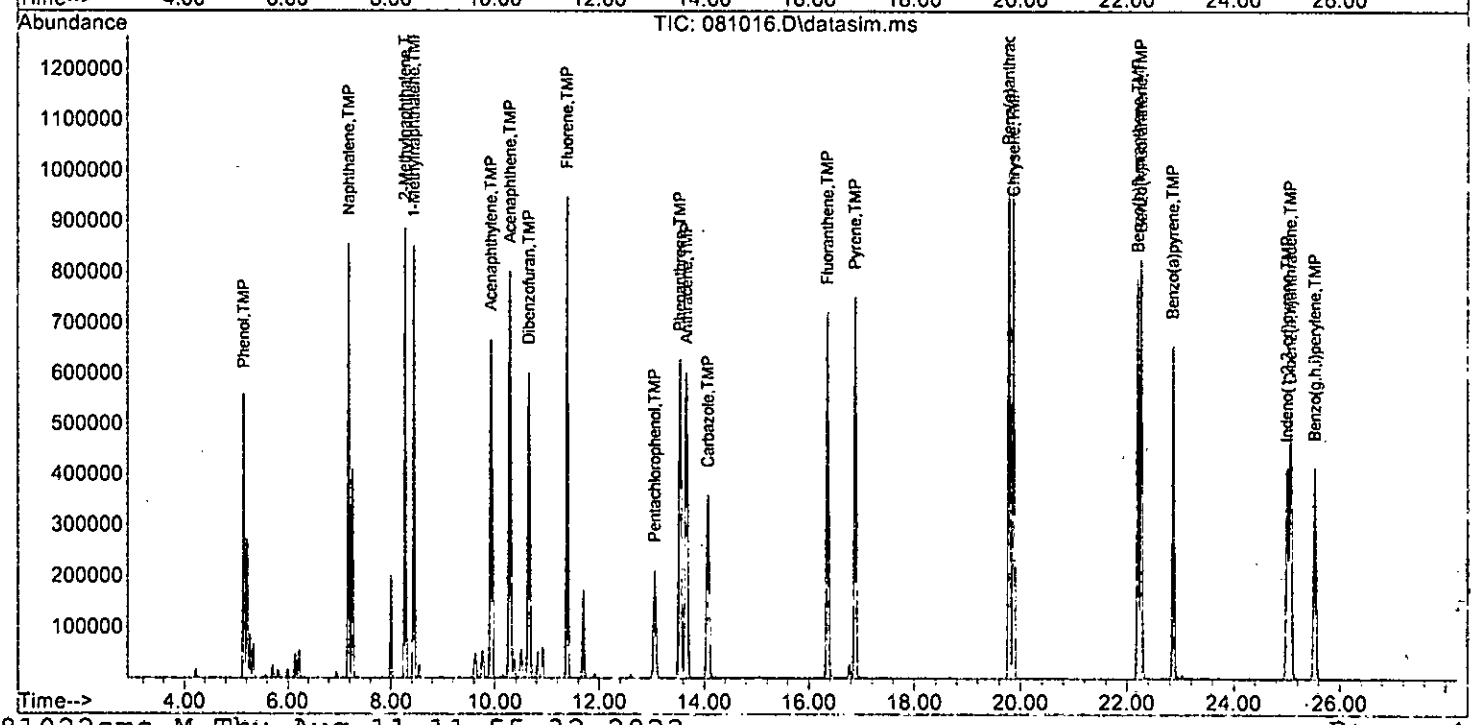
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081016.D
Acq On : 10 Aug 2022 7:15 pm
Operator : VM
Sample : 10 ug/ml 8270 ICAL 67-21I
Misc :
ALS Vial : 118 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:59:33 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

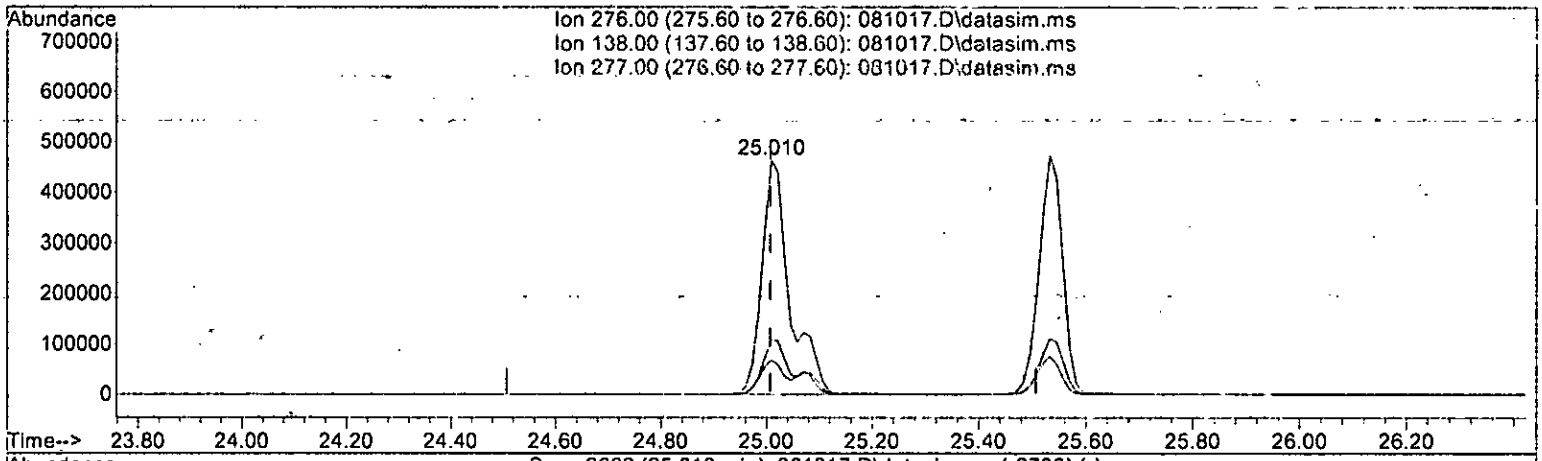


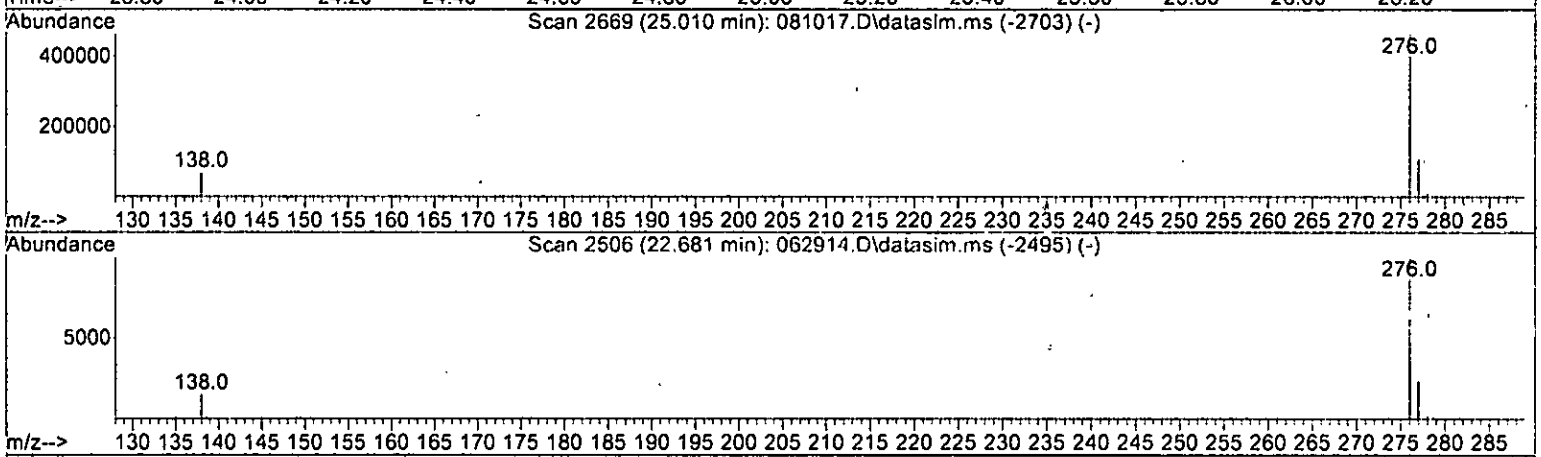


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081017.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.010min (+ 0.002) 20.136 ug/ml

response 1724265

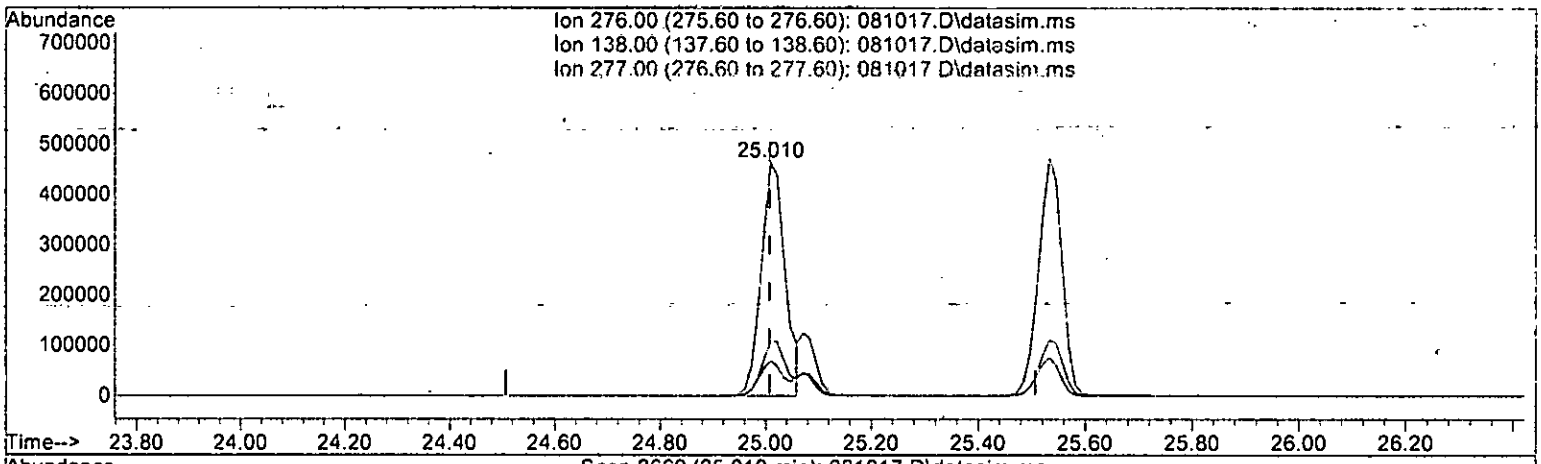
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.94
277.00	24.10	23.28
0.00	0.00	0.00

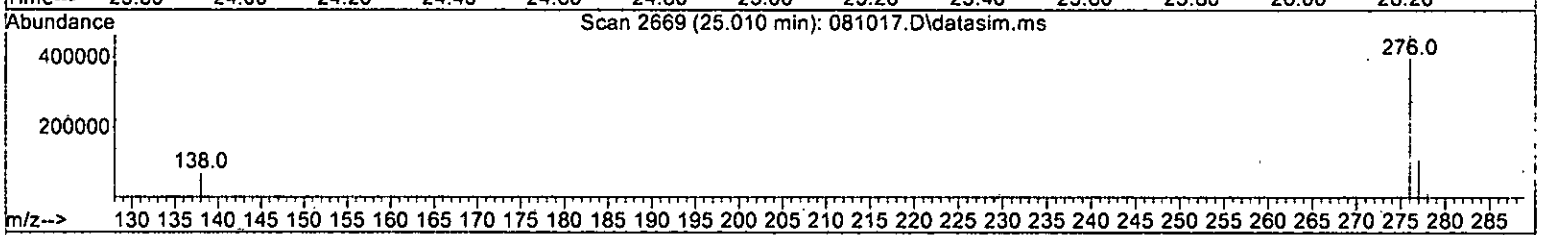
8/11 GLM

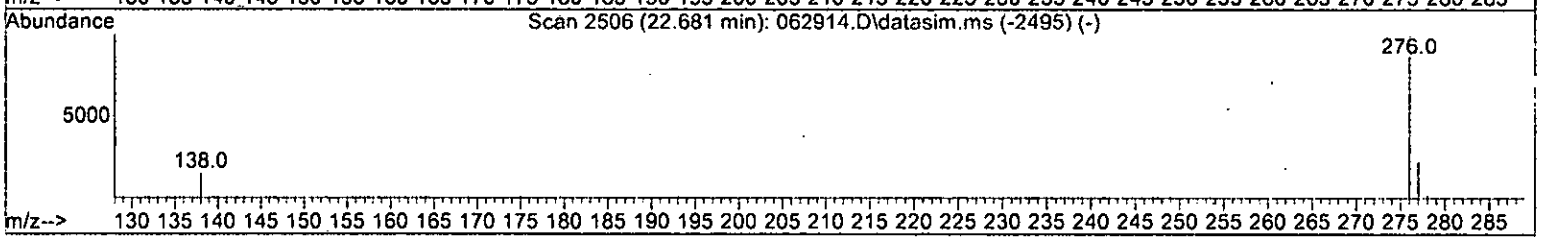
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081017.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.010min (+ 0.002) 17.067 ug/ml m

response 1461505

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.95
277.00	24.10	23.29
0.00	0.00	0.00

8/11 JM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	16.000	16.470	-2.9	97	0.00
3	S	2-Fluorophenol	16.000	16.548	-3.4	100	0.00
4	S	Phenol-d6	16.000	16.536	-3.4	100	0.00
5	TMP	Phenol	16.000	16.436	-2.7	100	0.00
6	TMP	Bis(2-chloroethyl) ether	16.000	16.219	-1.4	100	0.00
7	TMP	2-Chlorophenol	16.000	16.339	-2.1	100	0.00
8	TMP	1,3-Dichlorobenzene	16.000	16.403	-2.5	100	0.00
9	TMP	1,4-Dichlorobenzene	16.000	16.567	-3.5	100	0.00
10	TMP	1,2-Dichlorobenzene	16.000	16.263	-1.6	100	0.00
11	TMP	Benzyl alcohol	16.000	16.959	-6.0	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	16.000	16.182	-1.1	100	0.00
13	TMP	2-Methylphenol	16.000	16.744	-4.6	100	0.00
14	TMP	Hexachloroethane	16.000	16.242	-1.5	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	16.000	16.284	-1.8	100	0.01
16	TMP	3-Methylphenol + 4-Methylph	16.000	16.594	-3.7	100	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	16.000	16.000	0.0	100	0.00
19	TMP	Nitrobenzene	16.000	16.661	-4.1	100	0.00
20	TMP	Isophorone	16.000	16.720	-4.5	100	0.00
21	TMP	2-Nitrophenol	16.000	16.707	-4.4	100	0.00
22	TMP	2,4-Dimethylphenol	16.000	16.567	-3.5	100	0.00
23	TMP	Benzoic acid	16.000	16.076	-0.5	100	0.06
24	TMP	Bis(2-chloroethoxy)methane	16.000	15.927	0.5	100	0.00
25	TMP	2,4-Dichlorophenol	16.000	16.568	-3.6	100	0.00
26	TMP	1,2,4-Trichlorobenzene	16.000	15.721	1.7	100	0.00
27	TMP	Naphthalene	16.000	16.008	-0.0	100	0.00
28	TMP	Hexachlorobutadiene	16.000	15.734	1.7	100	0.00
29	TMP	4-Chloroaniline	16.000	16.286	-1.8	100	0.00
30	TMP	4-Chloro-3-methylphenol	16.000	16.494	-3.1	100	0.00
31	TMP	2-Methylnaphthalene	16.000	16.248	-1.6	100	0.00
32	TMP	1-Methylnaphthalene	16.000	16.280	-1.8	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	16.000	17.884	-11.8	100	0.00
35	TMP	2,4,6-Trichlorophenol	16.000	16.895	-5.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	16.000	16.227	-1.4	100	0.00
37	S	2-Fluorobiphenyl	16.000	16.428	-2.7	100	0.00
38	TMP	2-Chloronaphthalene	16.000	16.170	-1.1	100	0.00
39	TMP	2-Nitroaniline	16.000	16.904	-5.6	100	0.00
40	TMP	Dimethyl phthalate	16.000	16.629	-3.9	100	0.00
41	TMP	Acenaphthylene	16.000	16.440	-2.8	100	0.00
42	TMP	2,6-Dinitrotoluene	16.000	16.056	-0.4	100	0.00
43	TMP	3-Nitroaniline	16.000	16.241	-1.5	100	0.02
44	TMP	Acenaphthene	16.000	16.197	-1.2	100	0.02
45	TMP	2,4-Dinitrophenol	16.000	16.193	-1.2	100	0.02
46	TMP	Dibenzofuran	16.000	16.602	-3.8	100	0.00
47	TMP	2,4-Dinitrotoluene	16.000	17.207	-7.5	100	0.00
48	TMP	4-Nitrophenol	16.000	16.988	-6.2	100	0.00
49	TMP	Diethyl phthalate	16.000	16.818	-5.1	100	0.00
50	TMP	Fluorene	16.000	16.531	-3.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	16.000	16.458	-2.9	100	0.00
52	TMP	1,2-Diphenylhydrazine	16.000	16.750	-4.7	100	0.00
53	S	2,4,6-Tribromophenol	16.000	17.058	-6.6	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	16.000	16.569	-3.6	100	0.00
56	TMP	4-Nitroaniline	16.000	18.942	-18.4	122	0.02
57	TMP	4,6-Dinitro-2-methylphenol	16.000	16.679	-4.2	100	0.02
58	TMP	4-Bromophenyl phenyl ether	16.000	16.531	-3.3	100	0.00
59	TMP	Hexachlorobenzene	16.000	16.676	-4.2	100	0.00
60	TMP	Pentachlorophenol	16.000	17.203	-7.5	100	0.00
61	TMP	Phenanthrene	16.000	16.248	-1.6	100	0.00
62	TMP	Anthracene	16.000	16.924	-5.8	100	0.02
63	TMP	Carbazole	16.000	15.689	1.9	100	0.00
64	TMP	Di-n-butyl phthalate	16.000	17.044	-6.5	100	0.02
65	TMP	Fluoranthene	16.000	16.953	-6.0	100	0.01
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.00
67	TMP	Benzidine	16.000	15.240	4.7	100	0.01
68	TMP	Pyrene	16.000	16.161	-1.0	100	0.01
69	S	Terphenyl-d14	16.000	15.923	0.5	100	0.01
70	TMP	Benzyl butyl phthalate	16.000	16.158	-1.0	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	16.000	15.362	4.0	100	0.00
72	TMP	Benz(a)anthracene	16.000	16.156	-1.0	100	0.00
73	TMP	Chrysene	16.000	16.270	-1.7	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	16.000	16.988	-6.2	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	16.000	16.159	-1.0	100	0.00
77	TMP	Benzo(a)pyrene	16.000	17.375	-8.6	100	0.00
78	TMP	Benzo(b)fluoranthene	16.000	16.853	-5.3	100	0.00
79	TMP	Benzo(k)fluoranthene	16.000	17.566	-9.8	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	16.000	17.067	-6.7	100	0.00
81	TMP	Dibenz(a,h)anthracene	16.000	17.018	-6.4	100	0.01
82	TMP	Benzo(g,h,i)perylene	16.000	16.072	-0.4	100	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.682	-3.0	97	0.00
3	S	2-Fluorophenol	1.064	1.100	-3.4	100	0.00
4	S	Phenol-d6	1.279	1.322	-3.4	100	0.00
5	TMP	Phenol	1.625	1.669	-2.7	100	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.271	-1.4	100	0.00
7	TMP	2-Chlorophenol	1.210	1.235	-2.1	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.482	-2.5	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.471	-3.5	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.436	-1.6	100	0.00
11	TMP	Benzyl alcohol	0.768	0.814	-6.0	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.135	-1.1	100	0.00
13	TMP	2-Methylphenol	1.055	1.104	-4.6	100	0.00
14	TMP	Hexachloroethane	0.629	0.639	-1.6	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.891	-1.8	100	0.01
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.130	-3.7	100	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.401	0.0	100	0.00
19	TMP	Nitrobenzene	0.414	0.431	-4.1	100	0.00
20	TMP	Isophorone	0.690	0.721	-4.5	100	0.00
21	TMP	2-Nitrophenol	0.173	0.180	-4.0	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.393	-3.7	100	0.00
23	TMP	Benzoic acid	0.178	0.185	-3.9	100	0.06
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.431	0.5	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.331	-3.8	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.393	1.8	100	0.00
27	TMP	Naphthalene	1.188	1.188	0.0	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.307	1.9	100	0.00
29	TMP	4-Chloroaniline	0.433	0.441	-1.8	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.331	-2.8	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.768	-1.5	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.739	-1.8	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.602	-11.9	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.509	-5.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.511	-1.4	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.444	-2.7	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.250	-1.1	100	0.00
39	TMP	2-Nitroaniline	0.437	0.462	-5.7	100	0.00
40	TMP	Dimethyl phthalate	1.457	1.514	-3.9	100	0.00
41	TMP	Acenaphthylene	2.125	2.183	-2.7	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.301	-14.0	100	0.00
43	TMP	3-Nitroaniline	0.498	0.505	-1.4	100	0.02
44	TMP	Acenaphthene	1.489	1.507	-1.2	100	0.02
45	TMP	2,4-Dinitrophenol	0.159	0.183	-15.1	100	0.02
46	TMP	Dibenzofuran	2.346	2.434	-3.8	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.401	-7.5	100	0.00
48	TMP	4-Nitrophenol	0.297	0.329	-10.8	100	0.00
49	TMP	Diethyl phthalate	1.527	1.605	-5.1	100	0.00
50	TMP	Fluorene	1.536	1.587	-3.3	100	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.768	-2.8	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.419	-4.6	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.312	-6.5	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.579	-3.4	100	0.00
56	TMP	4-Nitroaniline	0.087	0.103	-18.4	122	0.02
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.116	-14.9	100	0.02
58	TMP	4-Bromophenyl phenyl ether	0.242	0.250	-3.3	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.305	-4.1	100	0.00
60	TMP	Pentachlorophenol	0.207	0.223	-7.7	100	0.00
61	TMP	Phenanthrene	1.202	1.221	-1.6	100	0.00
62	TMP	Anthracene	1.177	1.245	-5.8	100	0.02
63	TMP	Carbazole	0.901	0.884	1.9	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.373	-6.5	100	0.02
65	TMP	Fluoranthene	1.367	1.448	-5.9	100	0.01
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
67	TMP	Benzidine	0.460	0.438	4.8	100	0.01
68	TMP	Pyrene	1.674	1.691	-1.0	100	0.01
69	S	Terphenyl-d14	1.068	1.063	0.5	100	0.01
70	TMP	Benzyl butyl phthalate	0.556	0.562	-1.1	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.297	4.2	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.501	8.3	100	0.00
73	TMP	Chrysene	1.403	1.426	-1.6	100	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.835	-6.1	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.514	-6.4	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.328	-8.6	100	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.582	-5.3	100	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.584	-9.8	100	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.073	-6.7	100	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.069	-6.4	100	0.01
82	TMP	Benzo(g,h,i)perylene	1.050	1.055	-0.5	100	0.01

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	240924	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	797514	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	448669	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	923430	8.000	ug/ml	0.00
66) Chrysene-d12	19.82	240	811184	8.000	ug/ml	0.00
75) Perylene-d12	22.99	264	681169	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	530203	16.548	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 110.33%#			
4) Phenol-d6	5.14	99	636843	16.536	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 110.27%#			
18) Nitrobenzene-d5	6.21	82	639734	16.000	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 160.00%#			
37) 2-Fluorobiphenyl	8.94	172	1295644	16.428	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 164.30%#			
53) 2,4,6-Tribromophenol	11.92	330	280124	17.058	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 113.73%			
69) Terphenyl-d14	17.39	244	1725167	15.923	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 159.20%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	328538	16.470	ug/ml	95
5) Phenol	5.15	94	804425	16.436	ug/ml	100
6) Bis(2-chloroethyl) ether	5.28	63	612524	16.219	ug/ml	98
7) 2-Chlorophenol	5.34	128	595206	16.339	ug/ml	95
8) 1,3-Dichlorobenzene	5.51	146	714108	16.403	ug/ml	96
9) 1,4-Dichlorobenzene	5.59	146	708965	16.567	ug/ml	97
10) 1,2-Dichlorobenzene	5.75	146	691883	16.263	ug/ml	99
11) Benzyl alcohol	5.71	108	392319	16.959	ug/ml	92
12) 2,2'-Oxybis(1-chloropr...	5.87	45	1510664	16.182	ug/ml	99
13) 2-Methylphenol	5.83	108	531847	16.744	ug/ml	98
14) Hexachloroethane	6.15	117	307812	16.242	ug/ml	96
15) N-Nitroso-di-n-propyla...	6.03	70	429214	16.284	ug/ml	97
16) 3-Methylphenol + 4-Met...	6.00	108	544711	16.594	ug/ml	98
19) Nitrobenzene	6.23	77	688166	16.661	ug/ml	100
20) Isophorone	6.53	82	1150611	16.720	ug/ml	99
21) 2-Nitrophenol	6.63	139	287567	16.707	ug/ml	92
22) 2,4-Dimethylphenol	6.67	107	626489	16.567	ug/ml	96
23) Benzoic acid	6.80	122	295071	16.076	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	687920	15.927	ug/ml	99
25) 2,4-Dichlorophenol	6.95	162	527656	16.568	ug/ml	99
26) 1,2,4-Trichlorobenzene	7.08	180	627358	15.721	ug/ml	98
27] Naphthalene	7.18	128	1895633	16.008	ug/ml	99
28) Hexachlorobutadiene	7.37	225	490158	15.734	ug/ml	95
29) 4-Chloroaniline	7.26	127	702997	16.286	ug/ml	98
30) 4-Chloro-3-methylphenol	8.01	107	528674	16.494	ug/ml	96
31] 2-Methylnaphthalene	8.27	142	1225573	16.248	ug/ml	96
32] 1-Methylnaphthalene	8.45	142	1178297	16.280	ug/ml	96
34) Hexachlorocyclopentadiene	8.54	237	539768	17.884	ug/ml	93
35) 2,4,6-Trichlorophenol	8.76	196	456387	16.895	ug/ml	97
36) 2,4,5-Trichlorophenol	8.81	196	458897	16.227	ug/ml	97
38) 2-Chloronaphthalene	9.14	162	1121791	16.170	ug/ml	98
39) 2-Nitroaniline	9.34	65	414434	16.904	ug/ml	97
40) Dimethyl phthalate	9.74	163	1358770	16.629	ug/ml	100
41] Acenaphthylene	9.94	152	1959017	16.440	ug/ml	100
42) 2,6-Dinitrotoluene	9.84	165	269800	16.056	ug/ml	87
43) 3-Nitroaniline	10.17	65	453181	16.241	ug/ml	98
44] Acenaphthene	10.30	153	1352146	16.197	ug/ml	94
45) 2,4-Dinitrophenol	10.39	184	164294	16.193	ug/ml	79
46] Dibenzofuran	10.67	168	2184040	16.602	ug/ml	100
47) 2,4-Dinitrotoluene	10.66	165	360237	17.207	ug/ml	94
48) 4-Nitrophenol	10.52	65	295271	16.988	ug/ml	97
49) Diethyl phthalate	11.24	149	1440545	16.818	ug/ml	99
50] Fluorene	11.39	166	1423846	16.531	ug/ml	98
51) 4-Chlorophenyl phenyl ...	11.44	204	689482	16.458	ug/ml	99
52) 1,2-Diphenylhydrazine	11.79	77	1273391	16.750	ug/ml	97
55) N-Nitrosodiphenylamine	11.70	169	1070253	16.569	ug/ml	98
56) 4-Nitroaniline	11.46	138	190388	18.942	ug/ml	98
57) 4,6-Dinitro-2-methylph...	11.53	198	213867	16.679	ug/ml	95
58) 4-Bromophenyl phenyl e...	12.53	248	461322	16.531	ug/ml	94
59) Hexachlorobenzene	12.60	284	563061	16.676	ug/ml	97
60] Pentachlorophenol	13.06	266	411046	17.203	ug/ml	99
61] Phenanthrene	13.55	178	2254586	16.248	ug/ml	99
62] Anthracene	13.67	178	2299994	16.924	ug/ml	99
63] Carbazole	14.07	167	1631941	15.689	ug/ml	99
64) Di-n-butyl phthalate	15.08	149	2535312	17.044	ug/ml	99
65] Fluoranthene	16.36	202	2674820	16.953	ug/ml	97
67) Benzidine	16.78	184	710550	15.240	ug/ml	98
68] Pyrene	16.89	202	2742918	16.161	ug/ml	98
70) Benzyl butyl phthalate	18.68	149	911125	16.158	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

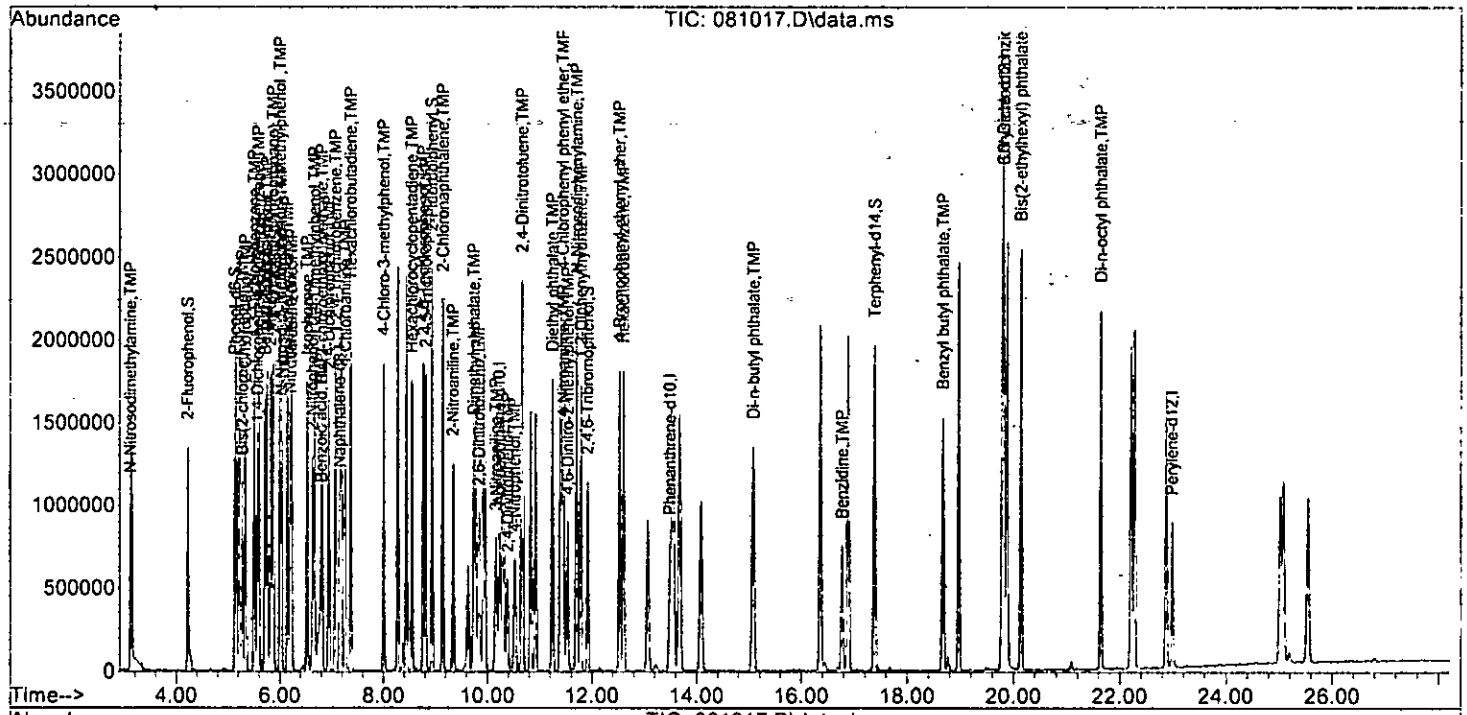
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	482557	15.362	ug/ml	100
72] Benz(a)anthracene	19.80	228	2434675	16.156	ug/ml	100
73] Chrysene	19.87	228	2314272	16.270	ug/ml	98
74) Bis(2-ethylhexyl) phth...	20.14	149	1355281	16.988	ug/ml	99
76) Di-n-octyl phthalate	21.64	149	2062294	16.159	ug/ml	98
77] Benzo(a)pyrene	22.87	252	1809538	17.375	ug/ml	99
78] Benzo(b)fluoranthene	22.21	252	2155395	16.853	ug/ml	99
79] Benzo(k)fluoranthene	22.27	252	2158239	17.566	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.01	276	1461505m	17.067	ug/ml	
81] Dibenz(a,h)anthracene	25.08	278	1456258	17.018	ug/ml	99
82] Benzo(g,h,i)perylene	25.53	276	1437015	16.072	ug/ml	100

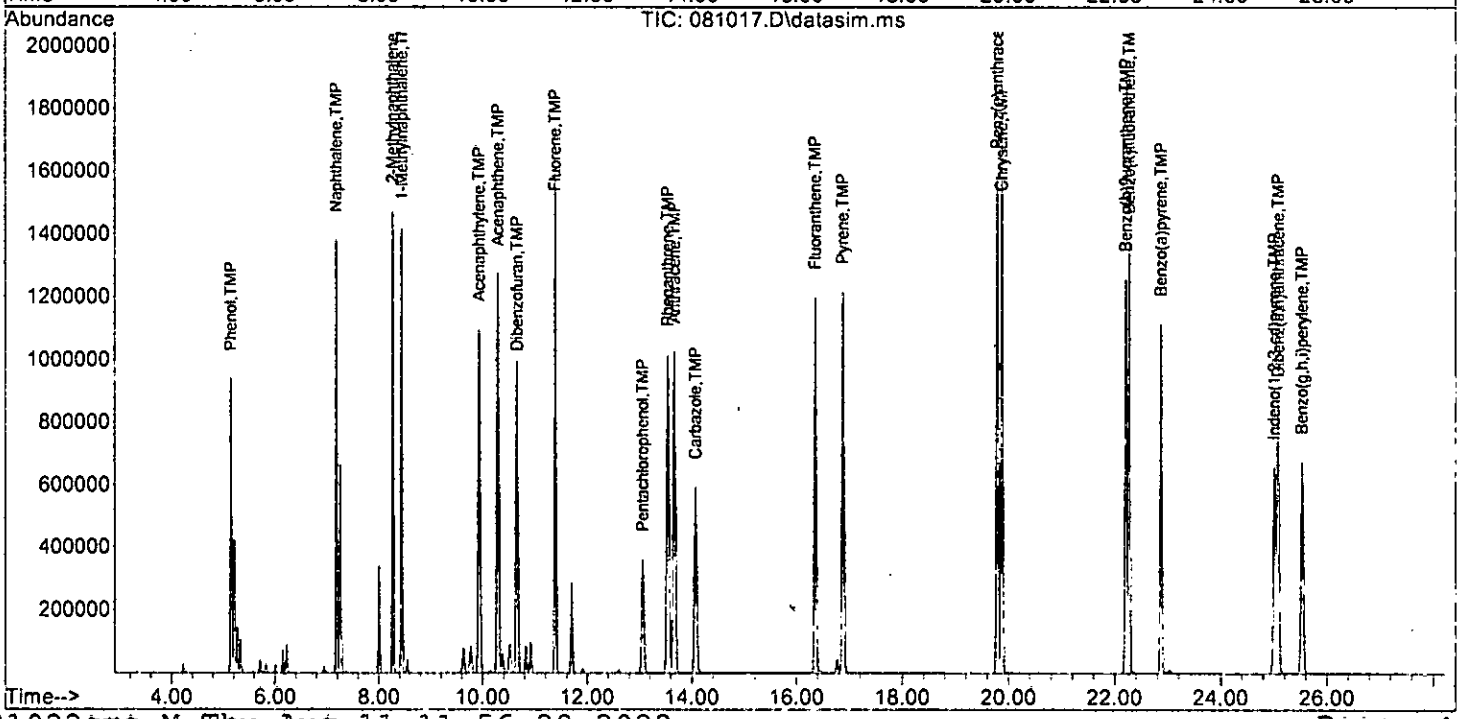
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081017.D
Acq On : 10 Aug 2022 7:48 pm
Operator : VM
Sample : 16 ug/ml 8270 ICAL 67-21J
Misc :
ALS Vial : 119 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:00:27 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

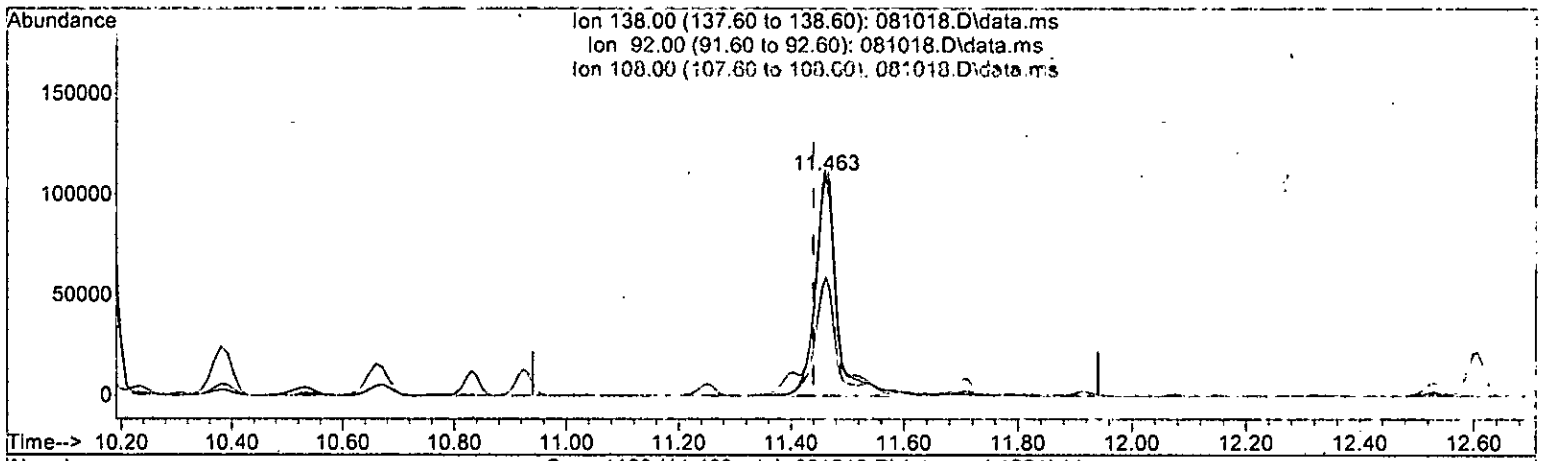


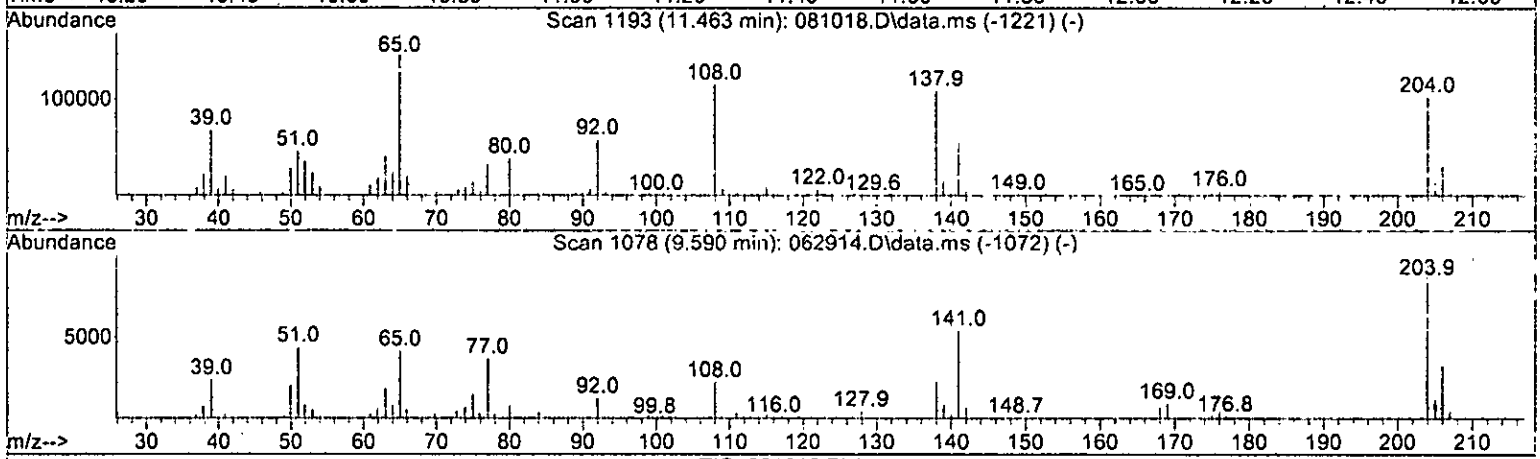


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:01:13 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081018.D\data.ms

(56) 4-Nitroaniline (TMP)

11.463min (+ 0.022) 27.931 ug/ml

response 301441

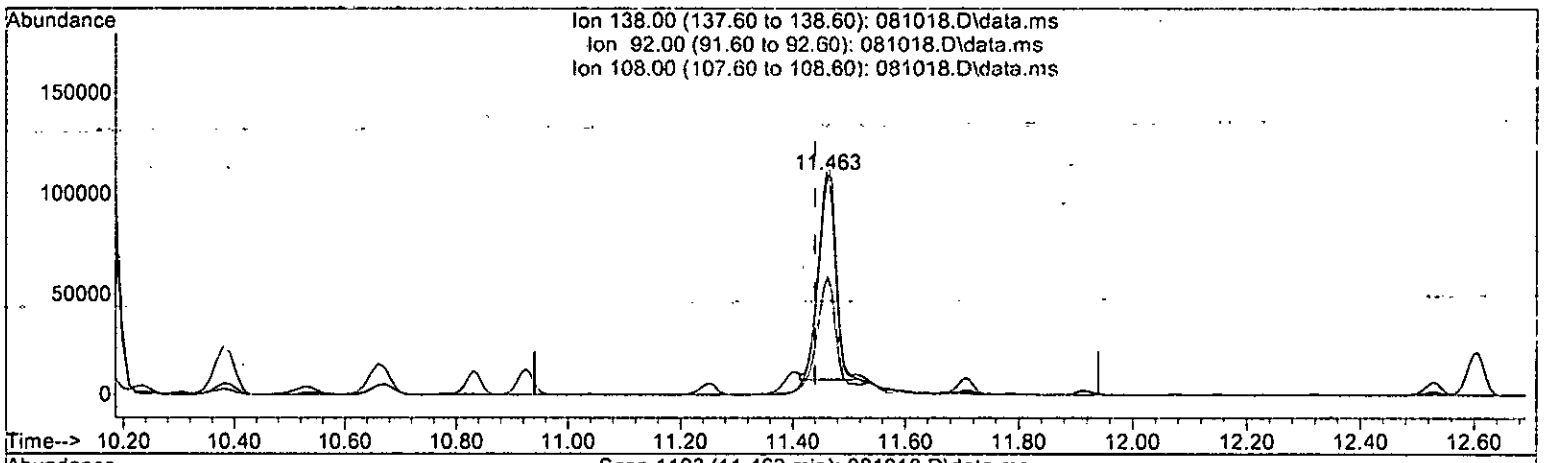
Ion	Exp%	Act%
138.00	100.00	100.00
92.00	59.00	53.88
108.00	100.20	105.71
0.00	0.00	0.00

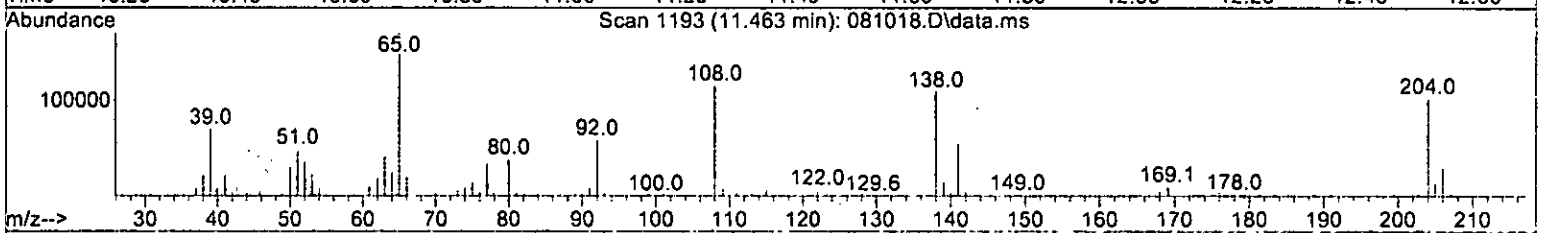
8/11 JLM

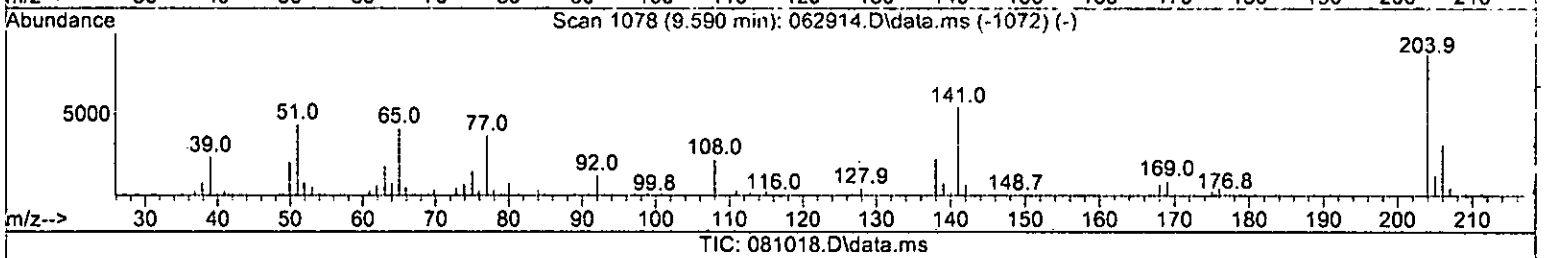
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:01:13 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081018.D\data.ms

(56) 4-Nitroaniline (TMP)

11.463min (+ 0.022) 19.337 ug/ml m

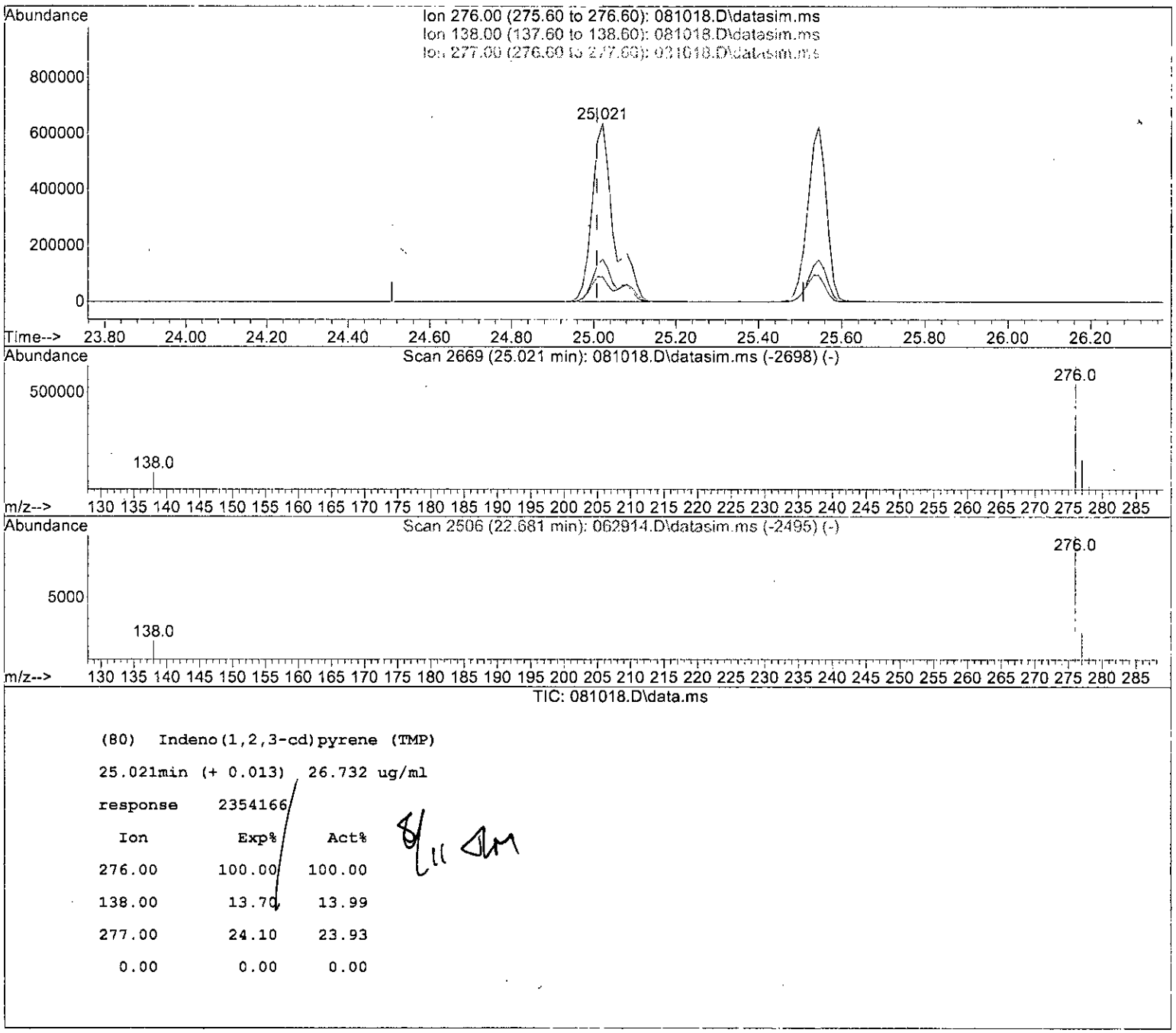
response 208698

Ion	Exp%	Act%
138.00	100.00	100.00
92.00	59.00	53.88
108.00	100.20	106.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:28 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081018.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.021min (+ 0.013) 26.732 ug/ml

response 2354166

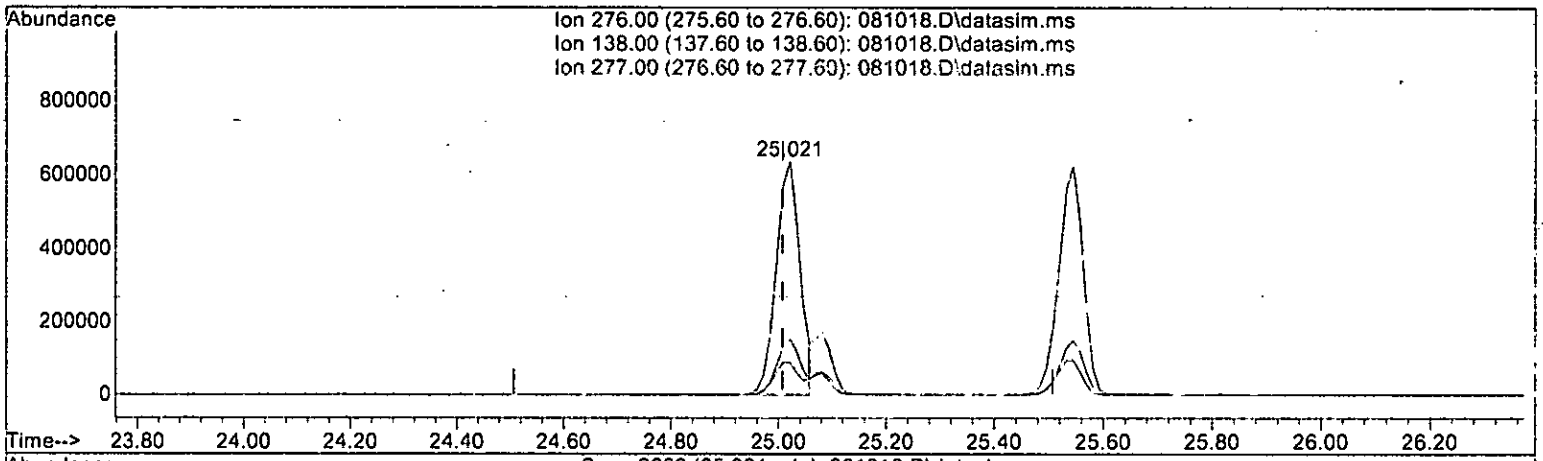
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.99
277.00	24.10	23.93
0.00	0.00	0.00

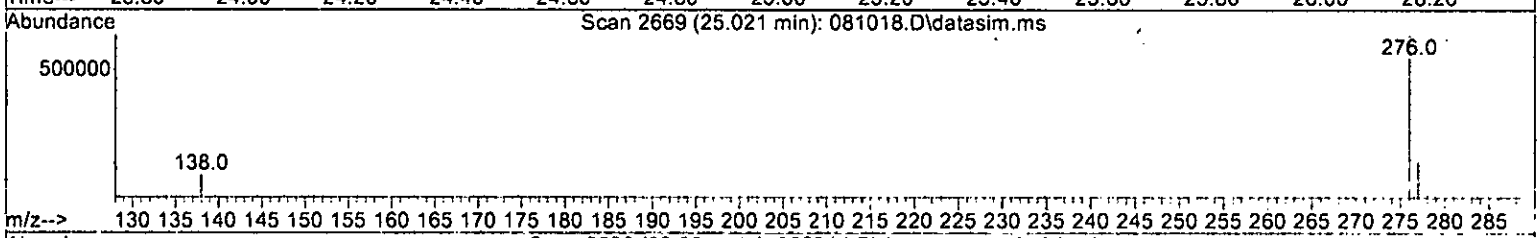
8/11 SM

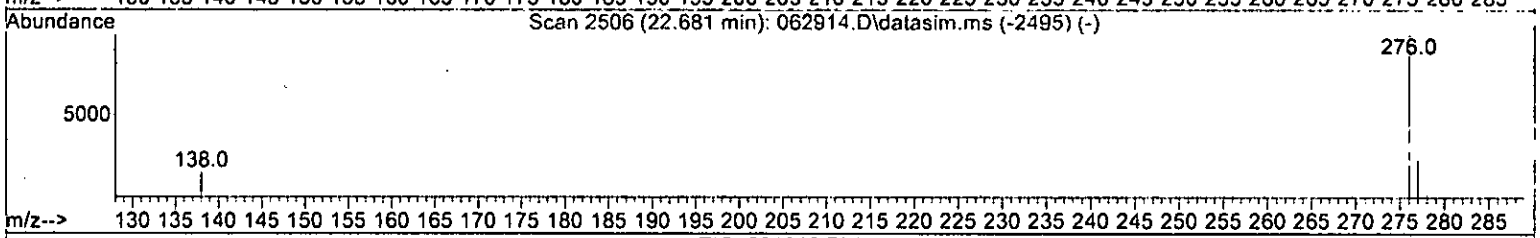
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:28 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081018.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.021min (+ 0.013) 22.155 ug/ml m

response 1951087

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.00
277.00	24.10	23.94
0.00	0.00	0.00

8/11 OM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	20.000	19.946	0.3	100	0.00
3	S	2-Fluorophenol	20.000	20.565	-2.8	100	0.00
4	S	Phenol-d6	20.000	20.731	-3.7	100	0.01
5	TMP	Phenol	20.000	20.810	-4.0	100	0.01
6	TMP	Bis(2-chloroethyl) ether	20.000	20.606	-3.0	100	0.00
7	TMP	2-Chlorophenol	20.000	20.609	-3.0	100	0.00
8	TMP	1,3-Dichlorobenzene	20.000	20.681	-3.4	100	0.00
9	TMP	1,4-Dichlorobenzene	20.000	21.236	-6.2	100	0.00
10	TMP	1,2-Dichlorobenzene	20.000	20.268	-1.3	100	0.00
11	TMP	Benzyl alcohol	20.000	20.567	-2.8	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	20.000	20.491	-2.5	100	0.00
13	TMP	2-Methylphenol	20.000	21.324	-6.6	100	0.00
14	TMP	Hexachloroethane	20.000	20.384	-1.9	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	20.000	20.332	-1.7	100	0.01
16	TMP	3-Methylphenol + 4-Methylph	20.000	20.654	-3.3	100	0.01
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	20.000	19.677	1.6	100	0.00
19	TMP	Nitrobenzene	20.000	20.183	-0.9	100	0.00
20	TMP	Isophorone	20.000	20.179	-0.9	100	0.01
21	TMP	2-Nitrophenol	20.000	21.050	-5.3	100	0.00
22	TMP	2,4-Dimethylphenol	20.000	19.630	1.9	100	0.00
23	TMP	Benzoic acid	20.000	20.162	-0.8	100	0.08
24	TMP	Bis(2-chloroethoxy)methane	20.000	19.840	0.8	100	0.00
25	TMP	2,4-Dichlorophenol	20.000	20.179	-0.9	100	0.00
26	TMP	1,2,4-Trichlorobenzene	20.000	19.283	3.6	100	0.00
27	TMP	Naphthalene	20.000	19.551	2.2	100	0.00
28	TMP	Hexachlorobutadiene	20.000	19.451	2.7	100	0.00
29	TMP	4-Chloroaniline	20.000	20.143	-0.7	100	0.00
30	TMP	4-Chloro-3-methylphenol	20.000	20.232	-1.2	100	0.00
31	TMP	2-Methylnaphthalene	20.000	19.674	1.6	100	0.00
32	TMP	1-Methylnaphthalene	20.000	19.742	1.3	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	20.000	23.436	-17.2	100	0.00
35	TMP	2,4,6-Trichlorophenol	20.000	21.740	-8.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	20.000	20.940	-4.7	100	0.00
37	S	2-Fluorobiphenyl	20.000	21.197	-6.0	100	0.00
38	TMP	2-Chloronaphthalene	20.000	20.921	-4.6	100	0.00
39	TMP	2-Nitroaniline	20.000	21.750	-8.8	100	0.01
40	TMP	Dimethyl phthalate	20.000	20.976	-4.9	100	0.01
41	TMP	Acenaphthylene	20.000	20.942	-4.7	100	0.01
42	TMP	2,6-Dinitrotoluene	20.000	19.902	0.5	100	0.01
43	TMP	3-Nitroaniline	20.000	20.975	-4.9	100	0.02
44	TMP	Acenaphthene	20.000	20.298	-1.5	100	0.01
45	TMP	2,4-Dinitrophenol	20.000	20.625	-3.1	100	0.01
46	TMP	Dibenzofuran	20.000	20.697	-3.5	100	0.00
47	TMP	2,4-Dinitrotoluene	20.000	22.337	-11.7	100	0.01
48	TMP	4-Nitrophenol	20.000	20.635	-3.2	100	0.01
49	TMP	Diethyl phthalate	20.000	20.649	-3.2	100	0.01
50	TMP	Fluorene	20.000	20.636	-3.2	100	0.01
51	TMP	4-Chlorophenyl phenyl ether	20.000	21.265	-6.3	100	0.00
52	TMP	1,2-Diphenylhydrazine	20.000	20.999	-5.0	100	0.00
53	S	2,4,6-Tribromophenol	20.000	21.129	-5.6	100	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	20.000	20.531	-2.7	100	0.01
56	TMP	4-Nitroaniline	20.000	19.337	3.3	97	0.02
57	TMP	4,6-Dinitro-2-methylphenol	20.000	20.172	-0.9	100	0.02
58	TMP	4-Bromophenyl phenyl ether	20.000	20.080	-0.4	100	0.00
59	TMP	Hexachlorobenzene	20.000	20.367	-1.8	100	0.00
60	TMP	Pentachlorophenol	20.000	21.275	-6.4	100	0.00
61	TMP	Phenanthrene	20.000	20.128	-0.6	100	0.00
62	TMP	Anthracene	20.000	20.879	-4.4	100	0.02
63	TMP	Carbazole	20.000	19.808	1.0	100	0.00
64	TMP	Di-n-butyl phthalate	20.000	21.747	-8.7	100	0.02
65	TMP	Fluoranthene	20.000	20.652	-3.3	100	0.01
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.01
67	TMP	Benzidine	20.000	21.723	-8.6	100	0.01
68	TMP	Pyrene	20.000	21.160	-5.8	100	0.01
69	S	Terphenyl-d14	20.000	20.789	-3.9	100	0.01
70	TMP	Benzyl butyl phthalate	20.000	21.059	-5.3	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	20.000	18.705	6.5	100	0.00
72	TMP	Benz(a)anthracene	20.000	20.192	-1.0	100	0.00
73	TMP	Chrysene	20.000	20.466	-2.3	100	0.01
74	TMP	Bis(2-ethylhexyl) phthalate	20.000	21.937	-9.7	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	20.000	19.126	4.4	100	0.00
77	TMP	Benzo(a)pyrene	20.000	21.492	-7.5	100	0.01
78	TMP	Benzo(b)fluoranthene	20.000	21.031	-5.2	100	0.01
79	TMP	Benzo(k)fluoranthene	20.000	21.131	-5.7	100	0.01
80	TMP	Indeno(1,2,3-cd)pyrene	20.000	22.155	-10.8	100	0.01
81	TMP	Dibenz(a,h)anthracene	20.000	22.647	-13.2	100	0.01
82	TMP	Benzo(g,h,i)perylene	20.000	21.287	-6.4	100	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.661	0.2	100	0.00
3	S	2-Fluorophenol	1.064	1.094	-2.8	100	0.00
4	S	Phenol-d6	1.279	1.326	-3.7	100	0.01
5	TMP	Phenol	1.625	1.691	-4.1	100	0.01
6	TMP	Bis(2-chloroethyl) ether	1.254	1.292	-3.0	100	0.00
7	TMP	2-Chlorophenol	1.210	1.246	-3.0	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.495	-3.4	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.509	-6.2	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.432	-1.3	100	0.00
11	TMP	Benzyl alcohol	0.768	0.790	-2.9	100	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.176	-2.5	100	0.00
13	TMP	2-Methylphenol	1.055	1.124	-6.5	100	0.00
14	TMP	Hexachloroethane	0.629	0.641	-1.9	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.890	-1.7	100	0.01
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.126	-3.3	100	0.01
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.395	1.5	100	0.00
19	TMP	Nitrobenzene	0.414	0.418	-1.0	100	0.00
20	TMP	Isophorone	0.690	0.696	-0.9	100	0.01
21	TMP	2-Nitrophenol	0.173	0.182	-5.2	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.372	1.8	100	0.00
23	TMP	Benzoic acid	0.178	0.193	-8.4	100	0.08
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.430	0.7	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.322	-0.9	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.386	3.5	100	0.00
27	TMP	Naphthalene	1.188	1.161	2.3	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.304	2.9	100	0.00
29	TMP	4-Chloroaniline	0.433	0.436	-0.7	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.325	-0.9	100	0.00
31	TMP	2-Methylnaphthalene	0.757	0.744	1.7	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.717	1.2	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.01
34	TMP	Hexachlorocyclopentadiene	0.538	0.631	-17.3	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.524	-8.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.528	-4.8	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.490	-6.0	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.294	-4.6	100	0.00
39	TMP	2-Nitroaniline	0.437	0.475	-8.7	100	0.01
40	TMP	Dimethyl phthalate	1.457	1.528	-4.9	100	0.01
41	TMP	Acenaphthylene	2.125	2.225	-4.7	100	0.01
42	TMP	2,6-Dinitrotoluene	0.264	0.304	-15.2	100	0.01
43	TMP	3-Nitroaniline	0.498	0.522	-4.8	100	0.02
44	TMP	Acenaphthene	1.489	1.511	-1.5	100	0.01
45	TMP	2,4-Dinitrophenol	0.159	0.194	-22.0#	100	0.01
46	TMP	Dibenzofuran	2.346	2.427	-3.5	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.417	-11.8	100	0.01
48	TMP	4-Nitrophenol	0.297	0.329	-10.8	100	0.01
49	TMP	Diethyl phthalate	1.527	1.577	-3.3	100	0.01
50	TMP	Fluorene	1.536	1.585	-3.2	100	0.01
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.794	-6.3	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.423	-4.9	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.309	-5.5	100	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.574	-2.5	100	0.01
56	TMP	4-Nitroaniline	0.087	0.084	3.4	97	0.02
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.115	-13.9	100	0.02
58	TMP	4-Bromophenyl phenyl ether	0.242	0.243	-0.4	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.298	-1.7	100	0.00
60	TMP	Pentachlorophenol	0.207	0.220	-6.3	100	0.00
61	TMP	Phenanthrene	1.202	1.210	-0.7	100	0.00
62	TMP	Anthracene	1.177	1.229	-4.4	100	0.02
63	TMP	Carbazole	0.901	0.893	0.9	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.401	-8.7	100	0.02
65	TMP	Fluoranthene	1.367	1.411	-3.2	100	0.01
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.01
67	TMP	Benzidine	0.460	0.499	-8.5	100	0.01
68	TMP	Pyrene	1.674	1.771	-5.8	100	0.01
69	S	Terphenyl-d14	1.068	1.111	-4.0	100	0.01
70	TMP	Benzyl butyl phthalate	0.556	0.586	-5.4	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.290	6.5	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.520	7.1	100	0.00
73	TMP	Chrysene	1.403	1.435	-2.3	100	0.01
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.863	-9.7	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.487	-4.5	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.314	-7.4	100	0.01
78	TMP	Benzo(b)fluoranthene	1.502	1.579	-5.1	100	0.01
79	TMP	Benzo(k)fluoranthene	1.443	1.525	-5.7	100	0.01
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.114	-10.7	100	0.01
81	TMP	Dibenz(a,h)anthracene	1.005	1.138	-13.2	100	0.01
82	TMP	Benzo(g,h,i)perylene	1.050	1.118	-6.5	100	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	258993	8.000	ug/ml	0.00
17) Naphthalene-d8	7.16	136	890001	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	476349	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.50	188	991559	8.000	ug/ml	0.00
66) Chrysene-d12	19.82	240	808218	8.000	ug/ml	0.01
75) Perylene-d12	22.99	264	700514	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.23	112	708338	20.565	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 137.13%#			
4) Phenol-d6	5.14	99	858241	20.731	ug/ml	0.01
Spiked Amount 15.000	Range 10 - 49		Recovery = 138.20%#			
18) Nitrobenzene-d5	6.21	82	877964	19.677	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 196.80%#			
37) 2-Fluorobiphenyl	8.94	172	1774928	21.197	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 212.00%#			
53) 2,4,6-Tribromophenol	11.92	330	368370	21.129	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 140.87%			
69) Terphenyl-d14	17.39	244	2244124	20.789	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 207.90%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	427721	19.946	ug/ml	98
5) Phenol	5.16	94	1094920	20.810	ug/ml	92
6) Bis(2-chloroethyl) ether	5.28	63	836575	20.606	ug/ml	99
7) 2-Chlorophenol	5.34	128	807073	20.609	ug/ml	94
8) 1,3-Dichlorobenzene	5.51	146	967865	20.681	ug/ml	98
9) 1,4-Dichlorobenzene	5.59	146	976902	21.236	ug/ml	99
10) 1,2-Dichlorobenzene	5.75	146	926927	20.268	ug/ml	99
11) Benzyl alcohol	5.71	108	511456	20.567	ug/ml	96
12) 2,2'-Oxybis(1-chloropr...	5.87	45	2056313	20.491	ug/ml	98
13) 2-Methylphenol	5.83	108	728089	21.324	ug/ml	98
14) Hexachloroethane	6.15	117	415274	20.384	ug/ml	96
15) N-Nitroso-di-n-propyla...	6.03	70	576112	20.332	ug/ml	95
16) 3-Methylphenol + 4-Met...	6.01	108	728835	20.654	ug/ml	97
19) Nitrobenzene	6.23	77	930344	20.183	ug/ml	99
20) Isophorone	6.54	82	1549655	20.179	ug/ml	97
21) 2-Nitrophenol	6.63	139	404346	21.050	ug/ml	91
22) 2,4-Dimethylphenol	6.67	107	828413	19.630	ug/ml	98
23) Benzoic acid	6.81	122	429895	20.162	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.81	93	956336	19.840	ug/ml	100
25) 2,4-Dichlorophenol	6.95	162	717194	20.179	ug/ml	98
26) 1,2,4-Trichlorobenzene	7.08	180	858756	19.283	ug/ml	99
27] Naphthalene	7.19	128	2583754	19.551	ug/ml	98
28) Hexachlorobutadiene	7.37	225	676245	19.451	ug/ml	95
29) 4-Chloroaniline	7.26	127	970354	20.143	ug/ml	98
30) 4-Chloro-3-methylphenol	8.01	107	723684	20.232	ug/ml	97
31] 2-Methylnaphthalene	8.28	142	1656104	19.674	ug/ml	98
32] 1-Methylnaphthalene	8.45	142	1594638	19.742	ug/ml	97
34) Hexachlorocyclopentadiene	8.54	237	750966	23.436	ug/ml	92
35) 2,4,6-Trichlorophenol	8.76	196	623519	21.740	ug/ml	96
36) 2,4,5-Trichlorophenol	8.82	196	628713	20.940	ug/ml	98
38) 2-Chloronaphthalene	9.14	162	1540940	20.921	ug/ml	99
39) 2-Nitroaniline	9.35	65	566136	21.750	ug/ml	98
40) Dimethyl phthalate	9.75	163	1819793	20.976	ug/ml	100
41] Acenaphthylene	9.94	152	2649425	20.942	ug/ml	99
42) 2,6-Dinitrotoluene	9.85	165	362500	19.902	ug/ml	89
43) 3-Nitroaniline	10.17	65	621407	20.975	ug/ml	97
44] Acenaphthene	10.30	153	1799090	20.298	ug/ml	98
45) 2,4-Dinitrophenol	10.38	184	230832	20.625	ug/ml	98
46] Dibenzofuran	10.66	168	2890681	20.697	ug/ml	87
47) 2,4-Dinitrotoluene	10.67	165	496495	22.337	ug/ml	91
48) 4-Nitrophenol	10.53	65	391298	20.635	ug/ml	92
49) Diethyl phthalate	11.25	149	1877814	20.649	ug/ml	99
50] Fluorene	11.40	166	1887132	20.636	ug/ml	95
51) 4-Chlorophenyl phenyl ...	11.44	204	945845	21.265	ug/ml	99
52) 1,2-Diphenylhydrazine	11.79	77	1694928	20.999	ug/ml	98
55) N-Nitrosodiphenylamine	11.71	169	1423953	20.531	ug/ml	99
56) 4-Nitroaniline	11.46	138	208698m	19.337	ug/ml	
57) 4,6-Dinitro-2-methylph...	11.54	198	284277	20.172	ug/ml	95
58) 4-Bromophenyl phenyl e...	12.53	248	601694	20.080	ug/ml	97
59) Hexachlorobenzene	12.61	284	738458	20.367	ug/ml	98
60] Pentachlorophenol	13.06	266	545833	21.275	ug/ml	98
61] Phenanthrene	13.54	178	2999118	20.128	ug/ml	99
62] Anthracene	13.67	178	3046876	20.879	ug/ml	99
63] Carbazole	14.07	167	2212465	19.808	ug/ml	99
64) Di-n-butyl phthalate	15.08	149	3473550	21.747	ug/ml	98
65] Fluoranthene	16.36	202	3498746	20.652	ug/ml	99
67) Benzidine	16.78	184	1009107	21.723	ug/ml	95
68] Pyrene	16.88	202	3578178	21.160	ug/ml	100
70) Benzyl butyl phthalate	18.68	149	1183193	21.059	ug/ml	100

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

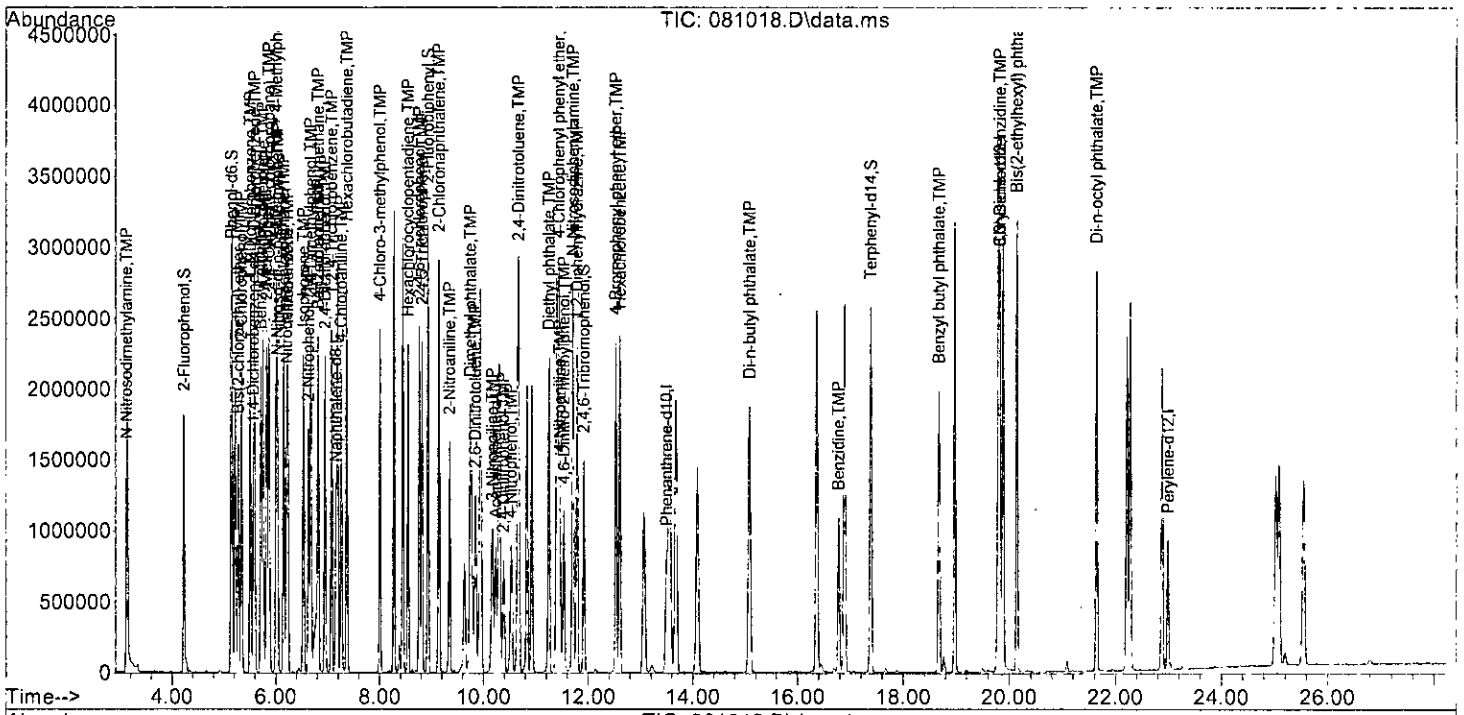
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	585431	18.705	ug/ml	96
72] Benz(a)anthracene	19.80	228	3071091	20.192	ug/ml	99
73] Chrysene	19.88	228	2900331	20.466	ug/ml	100
74) Bis(2-ethylhexyl) phth...	20.14	149	1743716	21.937	ug/ml	100
76) Di-n-octyl phthalate	21.64	149	2604600	19.126	ug/ml	99
77] Benzo(a)pyrene	22.88	252	2301852	21.492	ug/ml	100
78] Benzo(b)fluoranthene	22.22	252	2766078	21.031	ug/ml	100
79] Benzo(k)fluoranthene	22.28	252	2670020	21.131	ug/ml	100
80] Indeno(1,2,3-cd)pyrene	25.02	276	1951087m	22.155	ug/ml	
81] Dibenz(a,h)anthracene	25.08	278	1993044	22.647	ug/ml	99
82] Benzo(g,h,i)perylene	25.54	276	1957340	21.287	ug/ml	99

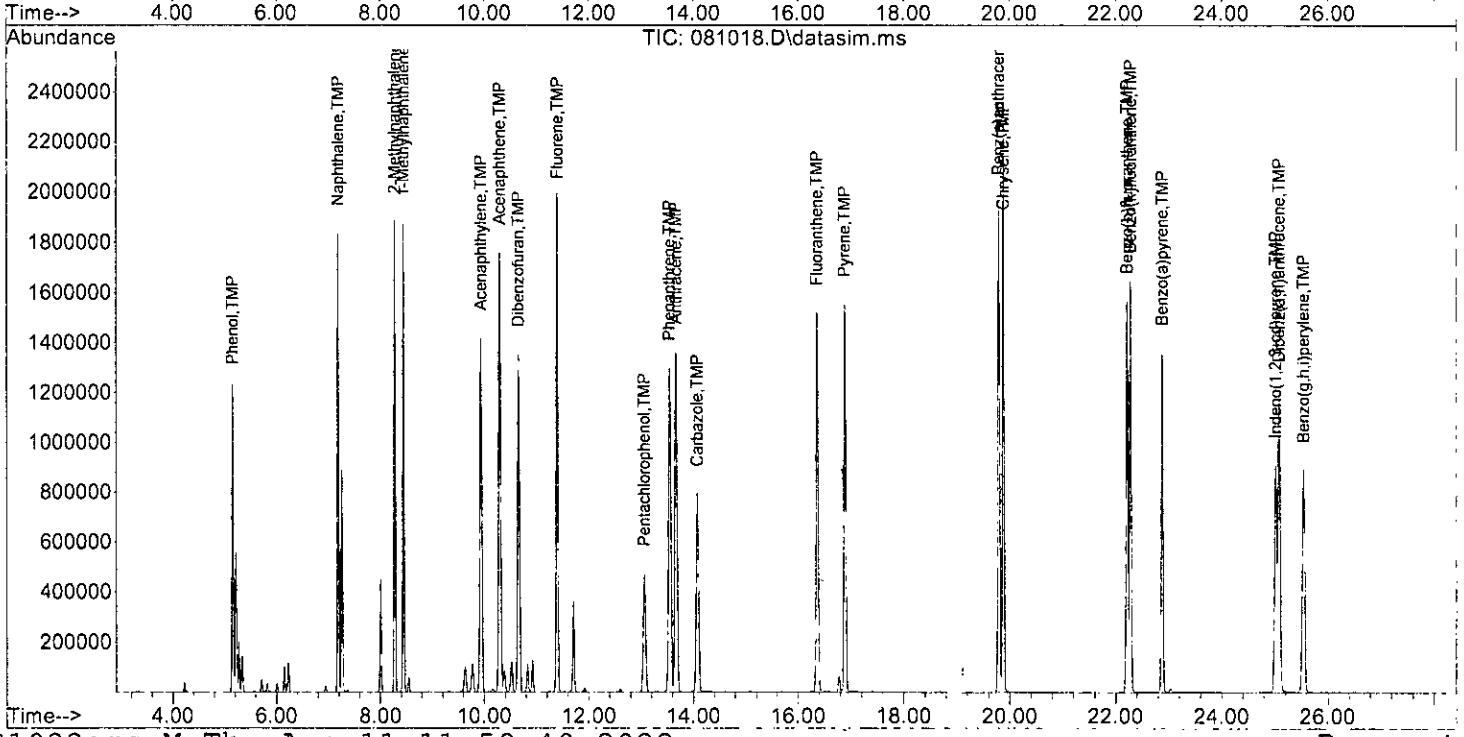
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081018.D
Acq On : 10 Aug 2022 8:22 pm
Operator : VM
Sample : 20 ug/ml 8270 ICAL 67-21K
Misc :
ALS Vial : 120 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:03:25 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

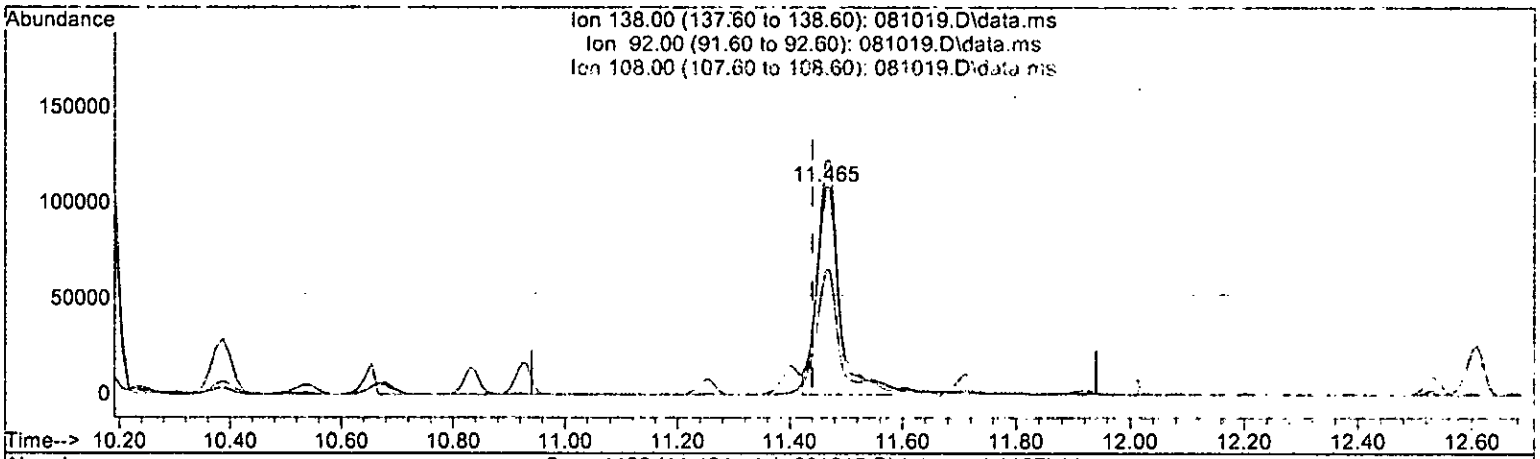


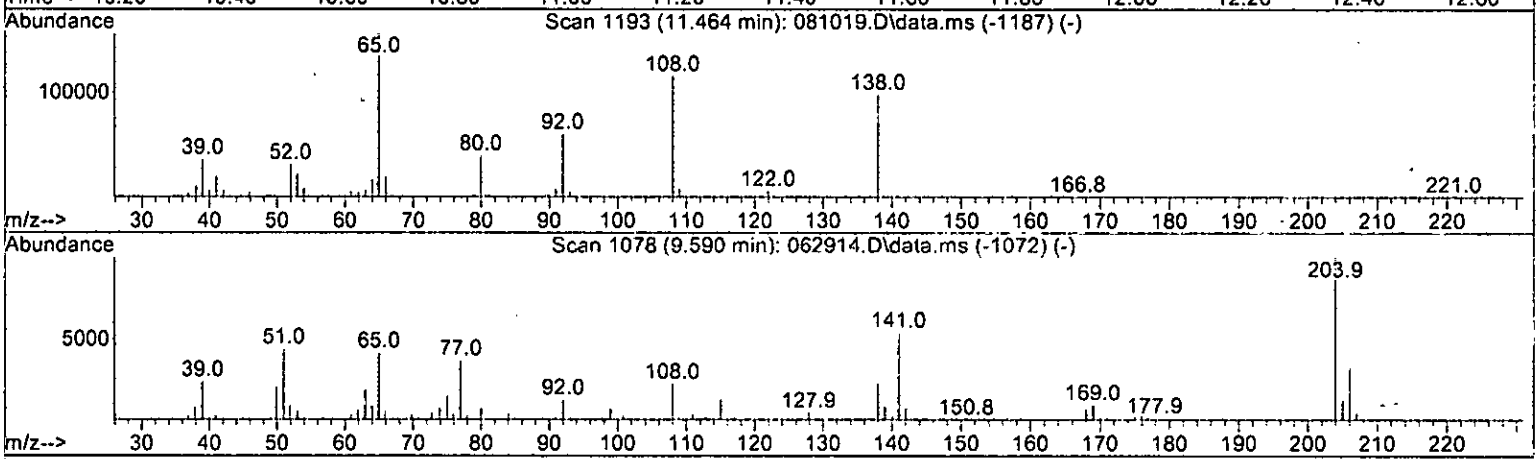


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:31 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081019.D\data.ms

(56) 4-Nitroaniline (TMP)

11.464min (+ 0.023) 29.639 ug/ml

response 312929

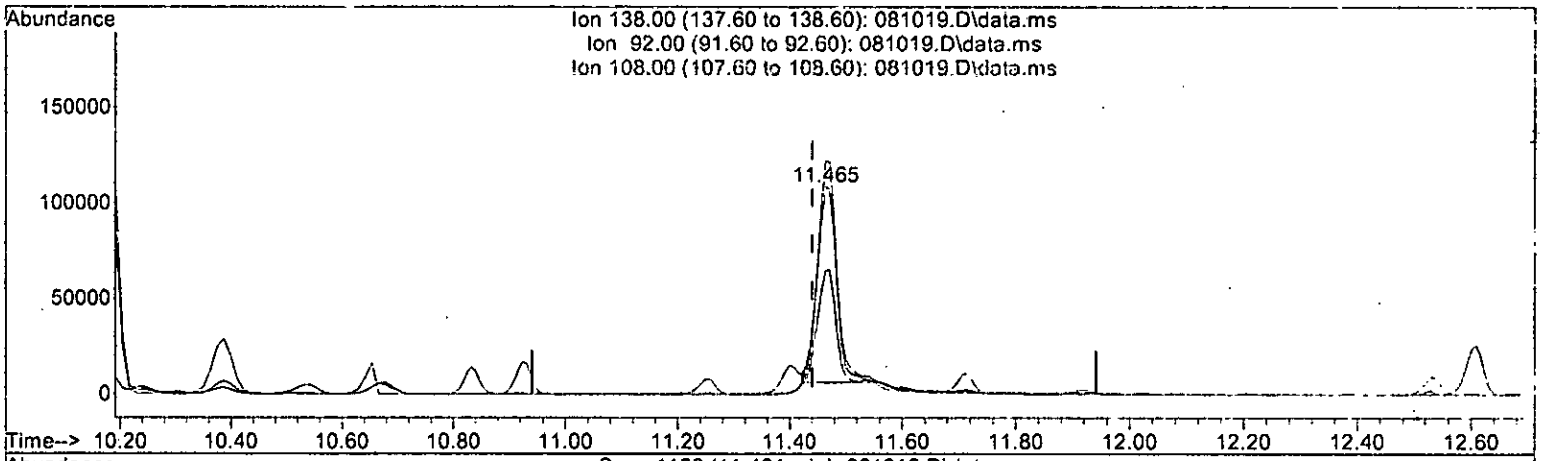
Ion	Exp%	Act%
138.00	100.00	100.00
92.00	59.00	59.27
108.00	100.20	112.58
0.00	0.00	0.00

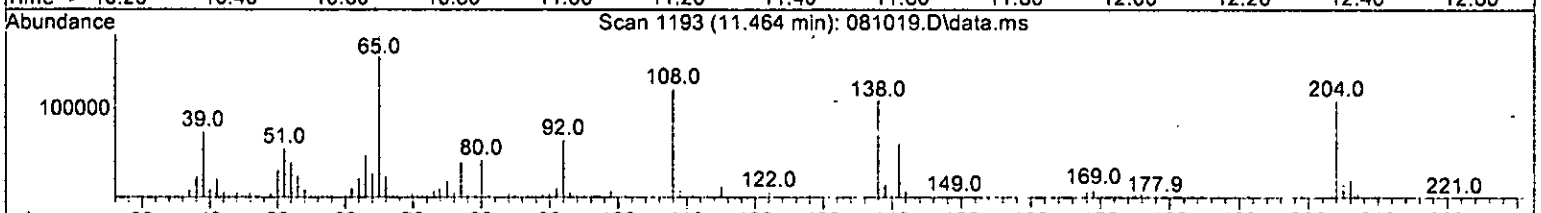
8/11 dm

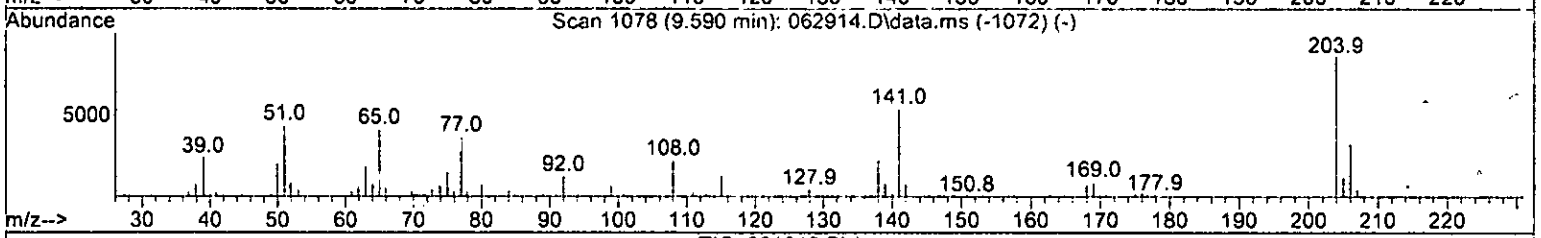
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:31 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081019.D\data.ms

(56) 4-Nitroaniline (TMP)

11.464min (+ 0.023) 23.291 ug/ml m

response 245908

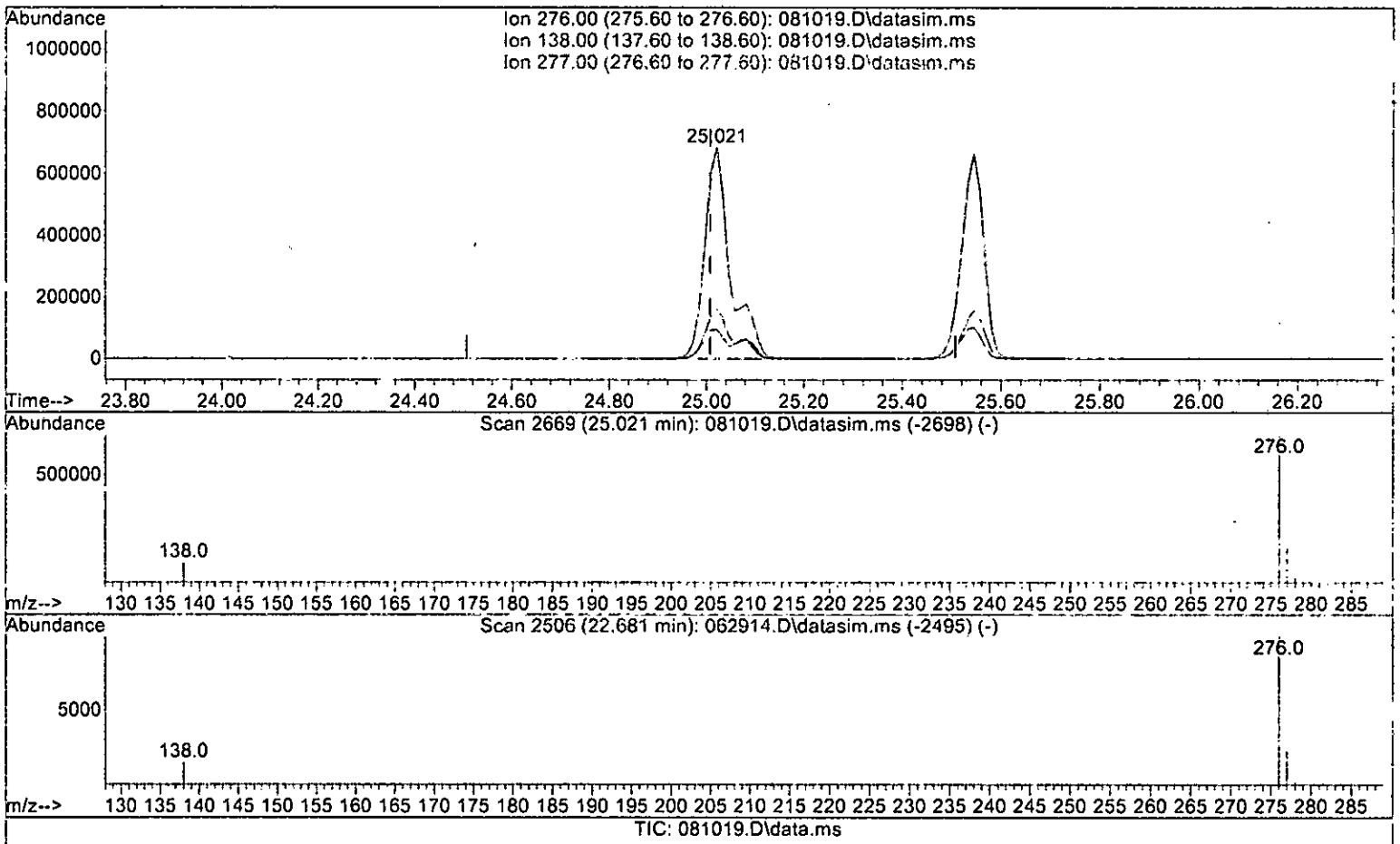
Ion	Exp%	Act%
138.00	100.00	100.00
92.00	59.00	59.78
108.00	100.20	112.62
0.00	0.00	0.00

8/11 JM

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:31 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081019.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.021min (+ 0.013) 22.194 ug/ml

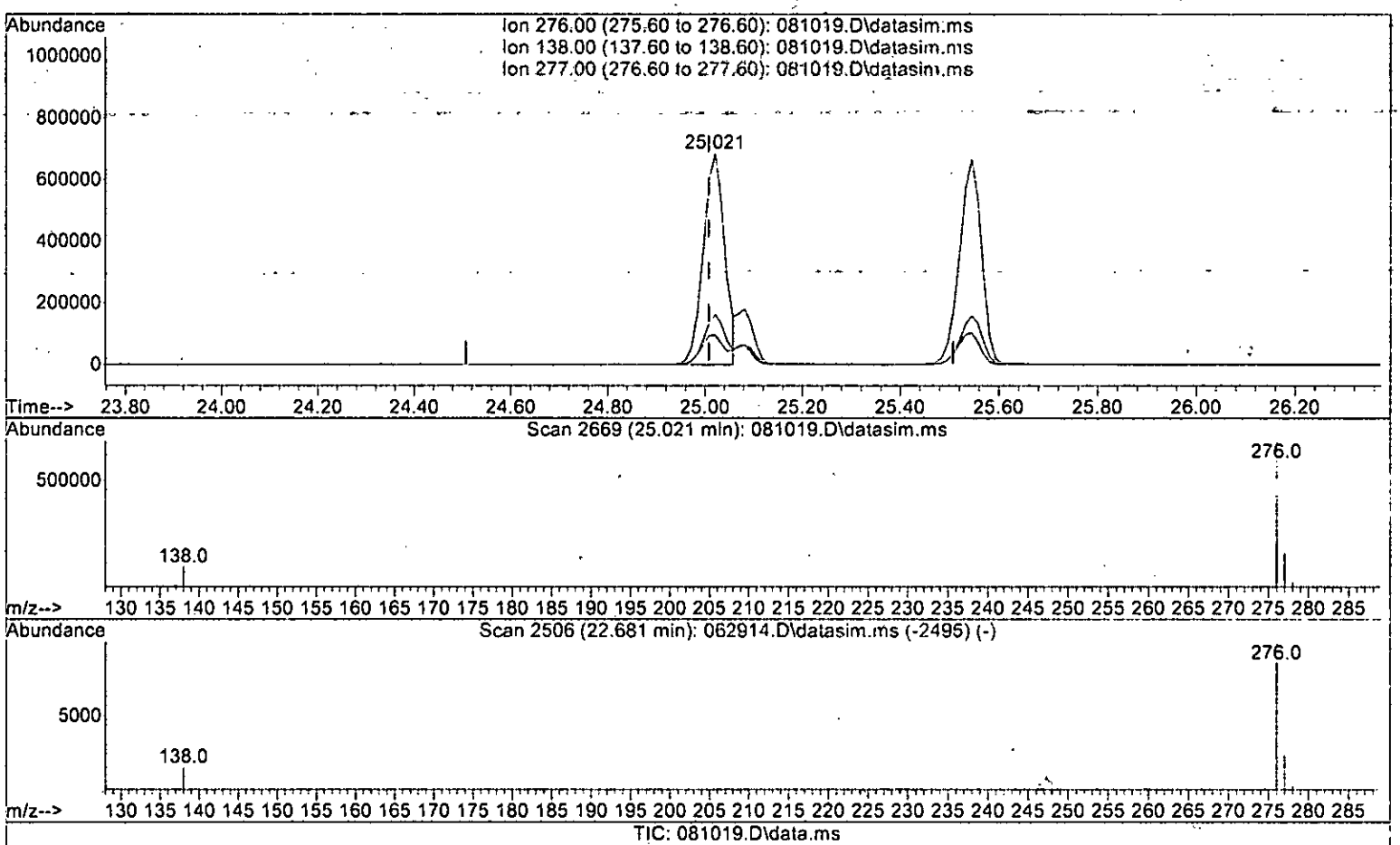
response 2510879

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.92
277.00	24.10	23.65
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:31 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 081019.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.021min (+ 0.013) 26.707 ug/ml m

response 2082974

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.94
277.00	24.10	23.66
0.00	0.00	0.00

8/11 dm

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	25.000	24.722	1.1	100	0.00
3	S	2-Fluorophenol	25.000	25.117	-0.5	100	0.00
4	S	Phenol-d6	25.000	25.791	-3.2	100	0.01
5	TMP	Phenol	25.000	25.591	-2.4	100	0.01
6	TMP	Bis(2-chloroethyl) ether	25.000	25.649	-2.6	100	0.00
7	TMP	2-Chlorophenol	25.000	25.693	-2.8	100	0.00
8	TMP	1,3-Dichlorobenzene	25.000	25.154	-0.6	100	0.00
9	TMP	1,4-Dichlorobenzene	25.000	25.854	-3.4	100	0.00
10	TMP	1,2-Dichlorobenzene	25.000	24.759	1.0	100	0.00
11	TMP	Benzyl alcohol	25.000	25.770	-3.1	100	0.01
12	TMP	2,2'-Oxybis(1-chloropropane	25.000	25.077	-0.3	100	0.00
13	TMP	2-Methylphenol	25.000	25.824	-3.3	100	0.00
14	TMP	Hexachloroethane	25.000	26.009	-4.0	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	25.000	25.012	-0.0	100	0.02
16	TMP	3-Methylphenol + 4-Methylph	25.000	25.717	-2.9	100	0.01
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	25.000	24.856	0.6	100	0.00
19	TMP	Nitrobenzene	25.000	25.288	-1.2	100	0.00
20	TMP	Isophorone	25.000	26.210	-4.8	100	0.01
21	TMP	2-Nitrophenol	25.000	26.833	-7.3	100	0.00
22	TMP	2,4-Dimethylphenol	25.000	25.332	-1.3	100	0.00
23	TMP	Benzoic acid	25.000	24.777	0.9	100	0.09
24	TMP	Bis(2-chloroethoxy)methane	25.000	24.633	1.5	100	0.00
25	TMP	2,4-Dichlorophenol	25.000	25.355	-1.4	100	0.00
26	TMP	1,2,4-Trichlorobenzene	25.000	24.300	2.8	100	0.00
27	TMP	Naphthalene	25.000	24.682	1.3	100	0.00
28	TMP	Hexachlorobutadiene	25.000	24.673	1.3	100	0.00
29	TMP	4-Chloroaniline	25.000	25.406	-1.6	100	0.00
30	TMP	4-Chloro-3-methylphenol	25.000	25.964	-3.9	100	0.01
31	TMP	2-Methylnaphthalene	25.000	25.045	-0.2	100	0.00
32	TMP	1-Methylnaphthalene	25.000	25.176	-0.7	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	25.000	26.807	-7.2	100	0.00
35	TMP	2,4,6-Trichlorophenol	25.000	25.694	-2.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	25.000	25.775	-3.1	100	0.00
37	S	2-Fluorobiphenyl	25.000	25.027	-0.1	100	0.00
38	TMP	2-Chloronaphthalene	25.000	25.039	-0.2	100	0.00
39	TMP	2-Nitroaniline	25.000	26.418	-5.7	100	0.01
40	TMP	Dimethyl phthalate	25.000	25.469	-1.9	100	0.02
41	TMP	Acenaphthylene	25.000	25.472	-1.9	100	0.00
42	TMP	2,6-Dinitrotoluene	25.000	24.005	4.0	100	0.02
43	TMP	3-Nitroaniline	25.000	24.819	0.7	100	0.02
44	TMP	Acenaphthene	25.000	24.592	1.6	100	0.02
45	TMP	2,4-Dinitrophenol	25.000	24.244	3.0	100	0.02
46	TMP	Dibenzofuran	25.000	25.281	-1.1	100	0.00
47	TMP	2,4-Dinitrotoluene	25.000	27.691	-10.8	100	0.02
48	TMP	4-Nitrophenol	25.000	24.223	3.1	100	0.02
49	TMP	Diethyl phthalate	25.000	26.009	-4.0	100	0.02
50	TMP	Fluorene	25.000	25.300	-1.2	100	0.02
51	TMP	4-Chlorophenyl phenyl ether	25.000	25.663	-2.7	100	0.00
52	TMP	1,2-Diphenylhydrazine	25.000	26.099	-4.4	100	0.00
53	S	2,4,6-Tribromophenol	25.000	26.782	-7.1	100	0.02
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	25.000	25.443	-1.8	100	0.02
56	TMP	4-Nitroaniline	25.000	23.291	6.8	108	0.02
57	TMP	4,6-Dinitro-2-methylphenol	25.000	24.637	1.5	100	0.02
58	TMP	4-Bromophenyl phenyl ether	25.000	24.691	1.2	100	0.00
59	TMP	Hexachlorobenzene	25.000	24.833	0.7	100	0.00
60	TMP	Pentachlorophenol	25.000	27.614	-10.5	100	0.00
61	TMP	Phenanthrene	25.000	25.092	-0.4	100	0.00
62	TMP	Anthracene	25.000	25.745	-3.0	100	0.02
63	TMP	Carbazole	25.000	23.461	6.2	100	0.00
64	TMP	Di-n-butyl phthalate	25.000	25.401	-1.6	100	0.02
65	TMP	Fluoranthene	25.000	25.907	-3.6	100	0.02
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.01
67	TMP	Benzidine	25.000	26.356	-5.4	100	0.02
68	TMP	Pyrene	25.000	27.187	-8.7	100	0.02
69	S	Terphenyl-d14	25.000	26.587	-6.3	100	0.00
70	TMP	Benzyl butyl phthalate	25.000	27.391	-9.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	25.000	21.154	15.4	100	0.00
72	TMP	Benz(a)anthracene	25.000	24.860	0.6	100	0.00
73	TMP	Chrysene	25.000	25.625	-2.5	100	0.01
74	TMP	Bis(2-ethylhexyl) phthalate	25.000	27.774	-11.1	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	25.000	25.613	-2.5	100	0.00
77	TMP	Benzo(a)pyrene	25.000	26.868	-7.5	100	0.01
78	TMP	Benzo(b)fluoranthene	25.000	26.410	-5.6	100	0.01
79	TMP	Benzo(k)fluoranthene	25.000	26.972	-7.9	100	0.01
80	TMP	Indeno(1,2,3-cd)pyrene	25.000	26.707	-6.8	100	0.01
81	TMP	Dibenz(a,h)anthracene	25.000	26.993	-8.0	100	0.01
82	TMP	Benzo(g,h,i)perylene	25.000	25.482	-1.9	100	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.655	1.1	100	0.00
3	S	2-Fluorophenol	1.064	1.069	-0.5	100	0.00
4	S	Phenol-d6	1.279	1.319	-3.1	100	0.01
5	TMP	Phenol	1.625	1.664	-2.4	100	0.01
6	TMP	Bis(2-chloroethyl) ether	1.254	1.287	-2.6	100	0.00
7	TMP	2-Chlorophenol	1.210	1.243	-2.7	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.455	-0.6	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.470	-3.4	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.399	1.0	100	0.00
11	TMP	Benzyl alcohol	0.768	0.792	-3.1	100	0.01
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.109	-0.3	100	0.00
13	TMP	2-Methylphenol	1.055	1.089	-3.2	100	0.00
14	TMP	Hexachloroethane	0.629	0.655	-4.1	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.876	-0.1	100	0.02
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.121	-2.8	100	0.01
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.399	0.5	100	0.00
19	TMP	Nitrobenzene	0.414	0.419	-1.2	100	0.00
20	TMP	Isophorone	0.690	0.724	-4.9	100	0.01
21	TMP	2-Nitrophenol	0.173	0.185	-6.9	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.384	-1.3	100	0.00
23	TMP	Benzoic acid	0.178	0.196	-10.1	100	0.09
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.427	1.4	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.324	-1.6	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.389	2.8	100	0.00
27	TMP	Naphthalene	1.188	1.173	1.3	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.308	1.6	100	0.00
29	TMP	4-Chloroaniline	0.433	0.440	-1.6	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.334	-3.7	100	0.01
31	TMP	2-Methylnaphthalene	0.757	0.758	-0.1	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.731	-0.7	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.577	-7.2	100	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.495	-2.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.520	-3.2	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.408	-0.1	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.239	-0.2	100	0.00
39	TMP	2-Nitroaniline	0.437	0.462	-5.7	100	0.01
40	TMP	Dimethyl phthalate	1.457	1.484	-1.9	100	0.02
41	TMP	Acenaphthylene	2.125	2.165	-1.9	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.300	-13.6	100	0.02
43	TMP	3-Nitroaniline	0.498	0.494	0.8	100	0.02
44	TMP	Acenaphthene	1.489	1.464	1.7	100	0.02
45	TMP	2,4-Dinitrophenol	0.159	0.188	-18.2	100	0.02
46	TMP	Dibenzofuran	2.346	2.372	-1.1	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.413	-10.7	100	0.02
48	TMP	4-Nitrophenol	0.297	0.317	-6.7	100	0.02
49	TMP	Diethyl phthalate	1.527	1.589	-4.1	100	0.02
50	TMP	Fluorene	1.536	1.554	-1.2	100	0.02
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.767	-2.7	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.415	-4.4	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.314	-7.2	100	0.02
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.570	-1.8	100	0.02
56	TMP	4-Nitroaniline	0.087	0.081	6.9	108	0.02
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.115	-13.9	100	0.02
58	TMP	4-Bromophenyl phenyl ether	0.242	0.239	1.2	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.291	0.7	100	0.00
60	TMP	Pentachlorophenol	0.207	0.229	-10.6	100	0.00
61	TMP	Phenanthrene	1.202	1.207	-0.4	100	0.00
62	TMP	Anthracene	1.177	1.212	-3.0	100	0.02
63	TMP	Carbazole	0.901	0.846	6.1	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.309	-1.6	100	0.02
65	TMP	Fluoranthene	1.367	1.416	-3.6	100	0.02
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.01
67	TMP	Benzidine	0.460	0.485	-5.4	100	0.02
68	TMP	Pyrene	1.674	1.820	-8.7	100	0.02
69	S	Terphenyl-d14	1.068	1.136	-6.4	100	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.609	-9.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.262	15.5	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.519	7.2	100	0.00
73	TMP	Chrysene	1.403	1.438	-2.5	100	0.01
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.874	-11.1	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.718	-20.7#	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.315	-7.5	100	0.01
78	TMP	Benzo(b)fluoranthene	1.502	1.587	-5.7	100	0.01
79	TMP	Benzo(k)fluoranthene	1.443	1.557	-7.9	100	0.01
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.074	-6.8	100	0.01
81	TMP	Dibenz(a,h)anthracene	1.005	1.085	-8.0	100	0.01
82	TMP	Benzo(g,h,i)perylene	1.050	1.070	-1.9	100	0.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	247453	8.000	ug/ml	0.00
17) Naphthalene-d8	7.16	136	831238	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	473660	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	970021	8.000	ug/ml	0.00
66) Chrysene-d12	19.82	240	769311	8.000	ug/ml	0.01
75) Perylene-d12	22.99	264	620398	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	826586	25.117	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 167.47%#			
4) Phenol-d6	5.14	99	1020178	25.791	ug/ml	0.01
Spiked Amount 15.000	Range 10 - 49		Recovery = 171.93%#			
18) Nitrobenzene-d5	6.21	82	1035818	24.856	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 248.60%#			
37) 2-Fluorobiphenyl	8.94	172	2083805	25.027	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 250.30%#			
53) 2,4,6-Tribromophenol	11.93	330	464297	26.782	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 142		Recovery = 178.53%#			
69) Terphenyl-d14	17.38	244	2731770	26.587	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 265.90%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	506499	24.722	ug/ml	93
5] Phenol	5.16	94	1286483	25.591	ug/ml	96
6) Bis(2-chloroethyl) ether	5.28	63	994934	25.649	ug/ml	98
7) 2-Chlorophenol	5.34	128	961350	25.693	ug/ml	96
8) 1,3-Dichlorobenzene	5.51	146	1124759	25.154	ug/ml	96
9) 1,4-Dichlorobenzene	5.59	146	1136363	25.854	ug/ml	97
10) 1,2-Dichlorobenzene	5.75	146	1081856	24.759	ug/ml	97
11) Benzyl alcohol	5.72	108	612292	25.770	ug/ml	96
12) 2,2'-Oxybis(1-chloropr...	5.87	45	2404411	25.077	ug/ml	98
13) 2-Methylphenol	5.83	108	842453	25.824	ug/ml	98
14) Hexachloroethane	6.15	117	506271	26.009	ug/ml	93
15) N-Nitroso-di-n-propyla...	6.04	70	677121	25.012	ug/ml	98
16) 3-Methylphenol + 4-Met...	6.01	108	867093	25.717	ug/ml	98
19) Nitrobenzene	6.23	77	1088692	25.288	ug/ml	98
20) Isophorone	6.54	82	1879923	26.210	ug/ml	99
21) 2-Nitrophenol	6.63	139	481388	26.833	ug/ml	92
22) 2,4-Dimethylphenol	6.68	107	998429	25.332	ug/ml	97
23) Benzoic acid	6.83	122	510418	24.777	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.82	93	1108972	24.633	ug/ml	99
25) 2,4-Dichlorophenol	6.95	162	841674	25.355	ug/ml	97
26) 1,2,4-Trichlorobenzene	7.08	180	1010723	24.300	ug/ml	98
27] Naphthalene	7.19	128	3046441	24.682	ug/ml	99
28) Hexachlorobutadiene	7.37	225	801132	24.673	ug/ml	96
29) 4-Chloroaniline	7.27	127	1143053	25.406	ug/ml	96
30) 4-Chloro-3-methylphenol	8.01	107	867404	25.964	ug/ml	96
31] 2-Methylnaphthalene	8.28	142	1968999	25.045	ug/ml	99
32] 1-Methylnaphthalene	8.45	142	1899242	25.176	ug/ml	100
34) Hexachlorocyclopentadiene	8.54	237	854124	26.807	ug/ml	94
35) 2,4,6-Trichlorophenol	8.76	196	732761	25.694	ug/ml	96
36) 2,4,5-Trichlorophenol	8.82	196	769509	25.775	ug/ml	95
38) 2-Chloronaphthalene	9.15	162	1833883	25.039	ug/ml	99
39) 2-Nitroaniline	9.35	65	683756	26.418	ug/ml	96
40) Dimethyl phthalate	9.75	163	2197116	25.469	ug/ml	99
41] Acenaphthylene	9.94	152	3204334	25.472	ug/ml	99
42) 2,6-Dinitrotoluene	9.85	165	444029	24.005	ug/ml	91
43) 3-Nitroaniline	10.17	65	731121	24.819	ug/ml	98
44] Acenaphthene	10.30	153	2167363	24.592	ug/ml	96
45) 2,4-Dinitrophenol	10.39	184	277566	24.244	ug/ml	91
46] Dibenzofuran	10.67	168	3511096	25.281	ug/ml	95
47) 2,4-Dinitrotoluene	10.68	165	612023	27.691	ug/ml	86
48) 4-Nitrophenol	10.53	65	468716	24.223	ug/ml	96
49) Diethyl phthalate	11.25	149	2351917	26.009	ug/ml	99
50] Fluorene	11.40	166	2300616	25.300	ug/ml	95
51) 4-Chlorophenyl phenyl ...	11.44	204	1135011	25.663	ug/ml	99
52) 1,2-Diphenylhydrazine	11.79	77	2094619	26.099	ug/ml	98
55) N-Nitrosodiphenylamine	11.71	169	1726363	25.443	ug/ml	98
56) 4-Nitroaniline	11.46	138	245908m	23.291	ug/ml	
57) 4,6-Dinitro-2-methylph...	11.54	198	349054	24.637	ug/ml	94
58) 4-Bromophenyl phenyl e...	12.53	248	723785	24.691	ug/ml	98
59) Hexachlorobenzene	12.61	284	880802	24.833	ug/ml	97
60] Pentachlorophenol	13.06	266	693092	27.614	ug/ml	98
61] Phenanthrene	13.55	178	3657498	25.092	ug/ml	99
62] Anthracene	13.67	178	3675352	25.745	ug/ml	99
63] Carbazole	14.07	167	2563511	23.461	ug/ml	99
64) Di-n-butyl phthalate	15.08	149	3969063	25.401	ug/ml	98
65] Fluoranthene	16.37	202	4293628	25.907	ug/ml	97
67) Benzidine	16.79	184	1165380	26.356	ug/ml	96
68] Pyrene	16.89	202	4376075	27.187	ug/ml	97
70) Benzyl butyl phthalate	18.67	149	1464831	27.391	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

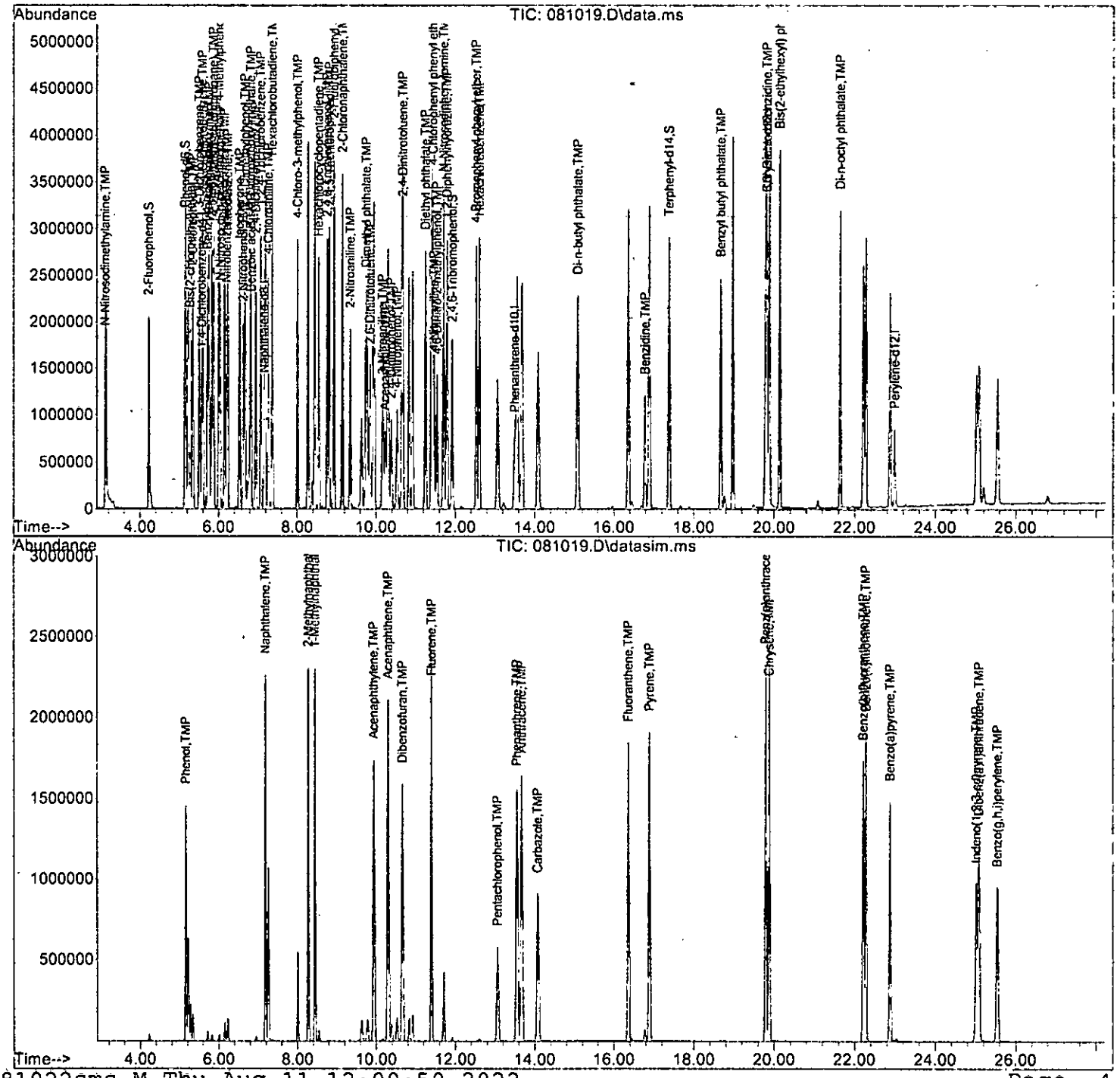
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	630203	21.154	ug/ml	96
72] Benz(a)anthracene	19.80	228	3652566	24.860	ug/ml	98
73] Chrysene	19.88	228	3456671	25.625	ug/ml	98
74) Bis(2-ethylhexyl) phth...	20.14	149	2101376	27.774	ug/ml	98
76) Di-n-octyl phthalate	21.64	149	3331511	25.613	ug/ml	99
77] Benzo(a)pyrene	22.88	252	2548566	26.868	ug/ml	100
78] Benzo(b)fluoranthene	22.22	252	3076319	26.410	ug/ml	99
79] Benzo(k)fluoranthene	22.28	252	3018289	26.972	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.02	276	2082974m	26.707	ug/ml	
81] Dibenz(a,h)anthracene	25.08	278	2103804	26.993	ug/ml	99
82] Benzo(g,h,i)perylene	25.54	276	2075070	25.482	ug/ml	99

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

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081019.D
Acq On : 10 Aug 2022 8:55 pm
Operator : VM
Sample : 25 ug/ml 8270 ICAL 67-21L
Misc :
ALS Vial : 121 Sample Multiplier: 1
InstName : GCMS9

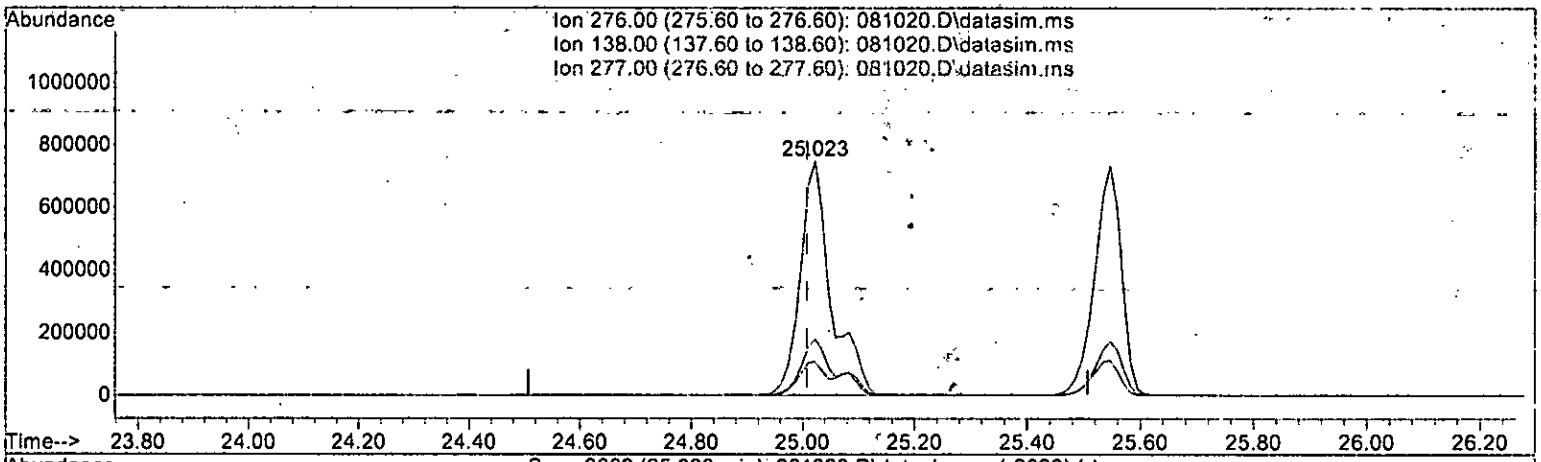
Quant Time: Aug 11 12:04:50 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

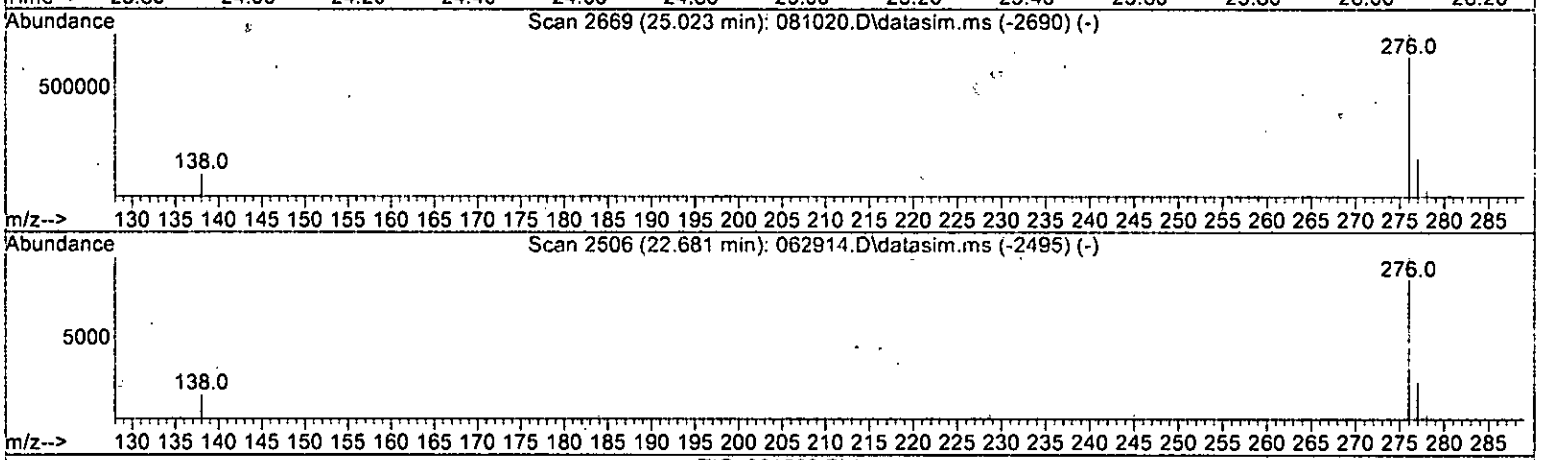


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081020.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.023min (+ 0.015) 38.971 ug/ml

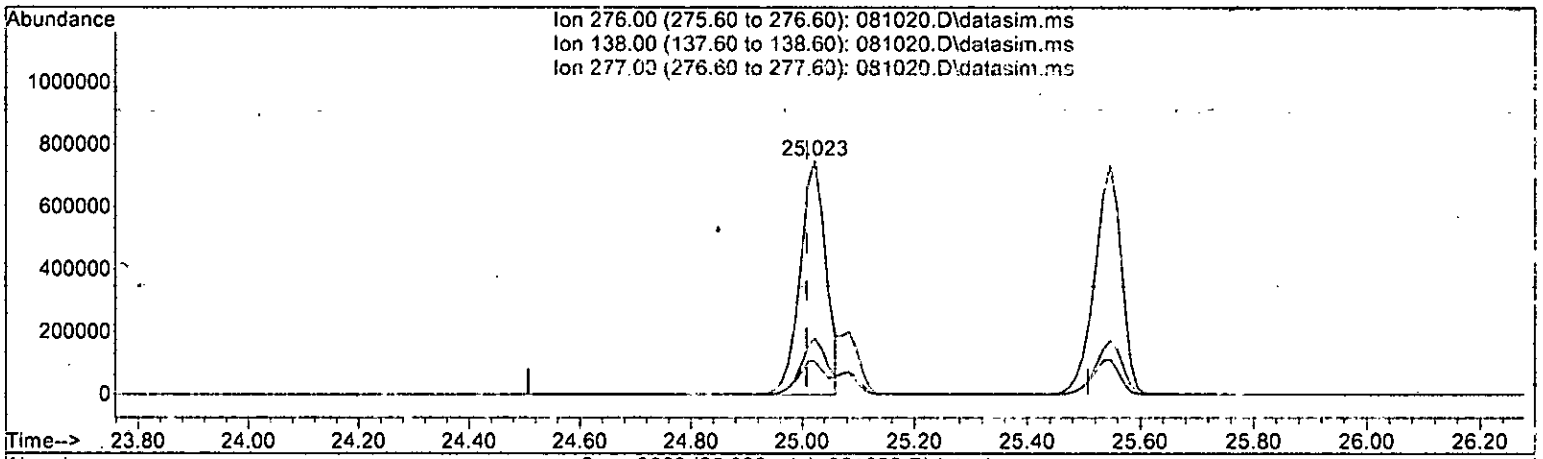
response 2907962

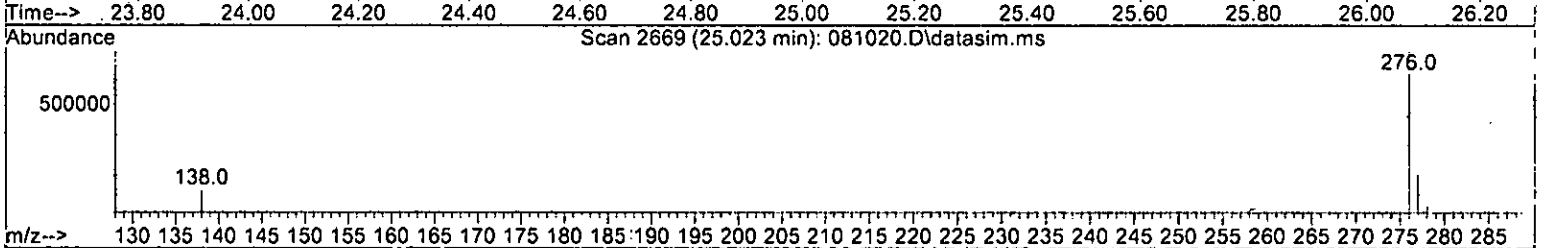
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.31
277.00	24.10	23.99
0.00	0.00	0.00

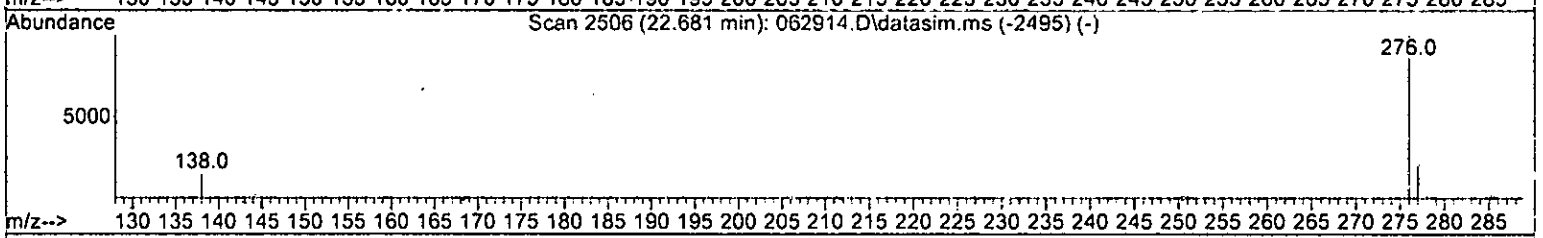
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 081020.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.023min (+ 0.015) 32.701 ug/ml m

response 2440083

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.32
277.00	24.10	24.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	30.000	31.868	-6.2	100	0.00
3	S	2-Fluorophenol	30.000	31.057	-3.5	100	0.00
4	S	Phenol-d6	30.000	31.717	-5.7	100	0.01
5	TMP	Phenol	30.000	31.171	-3.9	100	0.01
6	TMP	Bis(2-chloroethyl) ether	30.000	31.297	-4.3	100	0.00
7	TMP	2-Chlorophenol	30.000	31.912	-6.4	100	0.00
8	TMP	1,3-Dichlorobenzene	30.000	30.849	-2.8	100	0.00
9	TMP	1,4-Dichlorobenzene	30.000	31.528	-5.1	100	0.00
10	TMP	1,2-Dichlorobenzene	30.000	30.127	-0.4	100	0.00
11	TMP	Benzyl alcohol	30.000	31.132	-3.8	100	0.01
12	TMP	2,2'-Oxybis(1-chloropropane	30.000	30.107	-0.4	100	0.00
13	TMP	2-Methylphenol	30.000	31.881	-6.3	100	0.00
14	TMP	Hexachloroethane	30.000	30.716	-2.4	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	30.000	30.068	-0.2	100	0.02
16	TMP	3-Methylphenol + 4-Methylph	30.000	31.053	-3.5	100	0.02
17	I	Naphthalene-d8	8.000	8.000	0.0	100	0.00
18	S	Nitrobenzene-d5	30.000	30.993	-3.3	100	0.00
19	TMP	Nitrobenzene	30.000	32.111	-7.0	100	0.01
20	TMP	Isophorone	30.000	31.925	-6.4	100	0.02
21	TMP	2-Nitrophenol	30.000	32.232	-7.4	100	0.00
22	TMP	2,4-Dimethylphenol	30.000	31.388	-4.6	100	0.00
23	TMP	Benzoic acid	30.000	30.070	-0.2	100	0.11
24	TMP	Bis(2-chloroethoxy)methane	30.000	30.726	-2.4	100	0.00
25	TMP	2,4-Dichlorophenol	30.000	31.604	-5.3	100	0.00
26	TMP	1,2,4-Trichlorobenzene	30.000	29.638	1.2	100	0.00
27	TMP	Naphthalene	30.000	30.435	-1.4	100	0.00
28	TMP	Hexachlorobutadiene	30.000	31.107	-3.7	100	0.00
29	TMP	4-Chloroaniline	30.000	31.701	-5.7	100	0.00
30	TMP	4-Chloro-3-methylphenol	30.000	31.319	-4.4	100	0.01
31	TMP	2-Methylnaphthalene	30.000	30.083	-0.3	100	0.00
32	TMP	1-Methylnaphthalene	30.000	30.200	-0.7	100	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	30.000	0.000	100.0#	0	-8.54#
35	TMP	2,4,6-Trichlorophenol	30.000	34.866	-16.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	30.000	33.310	-11.0	100	0.00
37	S	2-Fluorobiphenyl	30.000	33.151	-10.5	100	0.00
38	TMP	2-Chloronaphthalene	30.000	32.666	-8.9	100	0.00
39	TMP	2-Nitroaniline	30.000	35.071	-16.9	100	0.02
40	TMP	Dimethyl phthalate	30.000	32.961	-9.9	100	0.02
41	TMP	Acenaphthylene	30.000	32.510	-8.4	100	0.00
42	TMP	2,6-Dinitrotoluene	30.000	30.709	-2.4	100	0.02
43	TMP	3-Nitroaniline	30.000	31.978	-6.6	100	0.03
44	TMP	Acenaphthene	30.000	31.473	-4.9	100	0.02
45	TMP	2,4-Dinitrophenol	30.000	30.117	-0.4	100	0.02
46	TMP	Dibenzofuran	30.000	32.126	-7.1	100	0.00
47	TMP	2,4-Dinitrotoluene	30.000	0.000	100.0#	0	-10.66#
48	TMP	4-Nitrophenol	30.000	29.191	2.7	100	0.02
49	TMP	Diethyl phthalate	30.000	32.246	-7.5	100	0.02
50	TMP	Fluorene	30.000	31.827	-6.1	100	0.02
51	TMP	4-Chlorophenyl phenyl ether	30.000	33.206	-10.7	100	0.00
52	TMP	1,2-Diphenylhydrazine	30.000	32.512	-8.4	100	0.00
53	S	2,4,6-Tribromophenol	30.000	33.168	-10.6	100	0.02
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	30.000	32.353	-7.8	100	0.02
56	TMP	4-Nitroaniline	30.000	0.000	100.0#	0	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	30.000	29.503	1.7	100	0.03
58	TMP	4-Bromophenyl phenyl ether	30.000	31.702	-5.7	100	0.00
59	TMP	Hexachlorobenzene	30.000	30.578	-1.9	100	0.00
60	TMP	Pentachlorophenol	30.000	34.687	-15.6	100	0.00
61	TMP	Phenanthrene	30.000	31.424	-4.7	100	0.00
62	TMP	Anthracene	30.000	31.526	-5.1	100	0.02
63	TMP	Carbazole	30.000	30.067	-0.2	100	0.00
64	TMP	Di-n-butyl phthalate	30.000	29.559	1.5	100	0.02
65	TMP	Fluoranthene	30.000	31.706	-5.7	100	0.01
66	I	Chrysene-d12	8.000	8.000	0.0	100	0.02
67	TMP	Benzidine	30.000	33.038	-10.1	100	0.01
68	TMP	Pyrene	30.000	32.121	-7.1	100	0.02
69	S	Terphenyl-d14	30.000	31.908	-6.4	100	0.01
70	TMP	Benzyl butyl phthalate	30.000	36.764	-22.5#	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	30.000	27.547	8.2	100	0.00
72	TMP	Benz(a)anthracene	30.000	29.493	1.7	100	0.00
73	TMP	Chrysene	30.000	30.549	-1.8	100	0.02
74	TMP	Bis(2-ethylhexyl) phthalate	30.000	32.675	-8.9	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	30.000	29.894	0.4	100	0.00
77	TMP	Benzo(a)pyrene	30.000	33.015	-10.1	100	0.02
78	TMP	Benzo(b)fluoranthene	30.000	32.842	-9.5	100	0.02
79	TMP	Benzo(k)fluoranthene	30.000	32.474	-8.2	100	0.02
80	TMP	Indeno(1,2,3-cd)pyrene	30.000	32.701	-9.0	100	0.01
81	TMP	Dibenz(a,h)anthracene	30.000	33.267	-10.9	100	0.01
82	TMP	Benzo(g,h,i)perylene	30.000	31.051	-3.5	100	0.03

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.704	-6.3	100	0.00
3	S	2-Fluorophenol	1.064	1.101	-3.5	100	0.00
4	S	Phenol-d6	1.279	1.352	-5.7	100	0.01
5	TMP	Phenol	1.625	1.689	-3.9	100	0.01
6	TMP	Bis(2-chloroethyl) ether	1.254	1.308	-4.3	100	0.00
7	TMP	2-Chlorophenol	1.210	1.287	-6.4	100	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.487	-2.8	100	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.493	-5.1	100	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.419	-0.4	100	0.00
11	TMP	Benzyl alcohol	0.768	0.797	-3.8	100	0.01
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.111	-0.4	100	0.00
13	TMP	2-Methylphenol	1.055	1.121	-6.3	100	0.00
14	TMP	Hexachloroethane	0.629	0.644	-2.4	100	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.877	-0.2	100	0.02
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.128	-3.5	100	0.02
17	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00
18	S	Nitrobenzene-d5	0.401	0.414	-3.2	100	0.00
19	TMP	Nitrobenzene	0.414	0.443	-7.0	100	0.01
20	TMP	Isophorone	0.690	0.735	-6.5	100	0.02
21	TMP	2-Nitrophenol	0.173	0.186	-7.5	100	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.397	-4.7	100	0.00
23	TMP	Benzoic acid	0.178	0.205	-15.2	100	0.11
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.444	-2.5	100	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.337	-5.6	100	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.395	1.3	100	0.00
27	TMP	Naphthalene	1.188	1.205	-1.4	100	0.00
28	TMP	Hexachlorobutadiene	0.313	0.324	-3.5	100	0.00
29	TMP	4-Chloroaniline	0.433	0.458	-5.8	100	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.336	-4.3	100	0.01
31	TMP	2-Methylnaphthalene	0.757	0.759	-0.3	100	0.00
32	TMP	1-Methylnaphthalene	0.726	0.731	-0.7	100	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	100	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.000#	100.0#	0#	-8.54#
35	TMP	2,4,6-Trichlorophenol	0.482	0.560	-16.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.560	-11.1	100	0.00
37	S	2-Fluorobiphenyl	1.406	1.554	-10.5	100	0.00
38	TMP	2-Chloronaphthalene	1.237	1.347	-8.9	100	0.00
39	TMP	2-Nitroaniline	0.437	0.511	-16.9	100	0.02
40	TMP	Dimethyl phthalate	1.457	1.601	-9.9	100	0.02
41	TMP	Acenaphthylene	2.125	2.302	-8.3	100	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.330	-25.0#	100	0.02
43	TMP	3-Nitroaniline	0.498	0.530	-6.4	100	0.03
44	TMP	Acenaphthene	1.489	1.562	-4.9	100	0.02
45	TMP	2,4-Dinitrophenol	0.159	0.203	-27.7#	100	0.02
46	TMP	Dibenzofuran	2.346	2.512	-7.1	100	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.000#	100.0#	0#	-10.66#
48	TMP	4-Nitrophenol	0.297	0.329	-10.8	100	0.02
49	TMP	Diethyl phthalate	1.527	1.642	-7.5	100	0.02
50	TMP	Fluorene	1.536	1.629	-6.1	100	0.02
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.827	-10.7	100	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.469	-8.3	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.324	-10.6	100	0.02
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.603	-7.7	100	0.02
56	TMP	4-Nitroaniline	0.087	0.000#	100.0#	0#	-11.44#
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.118	-16.8	100	0.03
58	TMP	4-Bromophenyl phenyl ether	0.242	0.255	-5.4	100	0.00
59	TMP	Hexachlorobenzene	0.293	0.298	-1.7	100	0.00
60	TMP	Pentachlorophenol	0.207	0.239	-15.5	100	0.00
61	TMP	Phenanthrene	1.202	1.259	-4.7	100	0.00
62	TMP	Anthracene	1.177	1.237	-5.1	100	0.02
63	TMP	Carbazole	0.901	0.903	-0.2	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.270	1.5	100	0.02
65	TMP	Fluoranthene	1.367	1.445	-5.7	100	0.01
66	I	Chrysene-d12	1.000	1.000	0.0	100	0.02
67	TMP	Benzidine	0.460	0.506	-10.0	100	0.01
68	TMP	Pyrene	1.674	1.792	-7.0	100	0.02
69	S	Terphenyl-d14	1.068	1.136	-6.4	100	0.01
70	TMP	Benzyl butyl phthalate	0.556	0.682	-22.7#	100	0.01

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.284	8.4	100	0.00
72	TMP	Benz(a)anthracene	1.637	1.524	6.9	100	0.00
73	TMP	Chrysene	1.403	1.428	-1.8	100	0.02
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.857	-8.9	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	100	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.751	-23.0#	100	0.00
77	TMP	Benzo(a)pyrene	1.223	1.346	-10.1	100	0.02
78	TMP	Benzo(b)fluoranthene	1.502	1.644	-9.5	100	0.02
79	TMP	Benzo(k)fluoranthene	1.443	1.562	-8.2	100	0.02
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.096	-8.9	100	0.01
81	TMP	Dibenz(a,h)anthracene	1.005	1.114	-10.8	100	0.01
82	TMP	Benzo(g,h,i)perylene	1.050	1.087	-3.5	100	0.03

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.57	152	253192	8.000	ug/ml	0.00
17) Naphthalene-d8	7.16	136	824084	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.23	164	426835	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	884815	8.000	ug/ml	0.00
66) Chrysene-d12	19.82	240	728354	8.000	ug/ml	0.02
75) Perylene-d12	22.99	264	593551	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.23	112	1045747	31.057	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 207.07%#			
4) Phenol-d6	5.14	99	1283668	31.717	ug/ml	0.01
Spiked Amount 15.000	Range 10 - 49		Recovery = 211.47%#			
18) Nitrobenzene-d5	6.21	82	1280472	30.993	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 309.90%#			
37) 2-Fluorobiphenyl	8.94	172	2487344	33.151	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 331.50%#			
53) 2,4,6-Tribromophenol	11.93	330	518162	33.168	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 142		Recovery = 221.13%#			
69) Terphenyl-d14	17.39	244	3104040	31.908	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 319.10%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	668055	31.868	ug/ml	94
5] Phenol	5.16	94	1603338	31.171	ug/ml	98
6) Bis(2-chloroethyl) ether	5.28	63	1242168	31.297	ug/ml	98
7) 2-Chlorophenol	5.34	128	1221725	31.912	ug/ml	97
8) 1,3-Dichlorobenzene	5.51	146	1411439	30.849	ug/ml	97
9) 1,4-Dichlorobenzene	5.59	146	1417906	31.528	ug/ml	97
10) 1,2-Dichlorobenzene	5.75	146	1346967	30.127	ug/ml	97
11) Benzyl alcohol	5.72	108	756852	31.132	ug/ml	94
12) 2,2'-Oxybis(1-chloropr...	5.87	45	2953618	30.107	ug/ml	98
13) 2-Methylphenol	5.83	108	1064201	31.881	ug/ml	98
14) Hexachloroethane	6.15	117	611756	30.716	ug/ml	97
15) N-Nitroso-di-n-propyla...	6.04	70	832889	30.068	ug/ml	97
16) 3-Methylphenol + 4-Met...	6.02	108	1071269	31.053	ug/ml	98
19) Nitrobenzene	6.24	77	1370525	32.111	ug/ml	99
20) Isophorone	6.54	82	2270153	31.925	ug/ml	99
21) 2-Nitrophenol	6.63	139	573268	32.232	ug/ml	91
22) 2,4-Dimethylphenol	6.68	107	1226492	31.388	ug/ml	97
23) Benzoic acid	6.84	122	633483	30.070	ug/ml	92

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.82	93	1371368	30.726	ug/ml	99
25) 2,4-Dichlorophenol	6.95	162	1040078	31.604	ug/ml	95
26) 1,2,4-Trichlorobenzene	7.08	180	1222107	29.638	ug/ml	98
27] Naphthalene	7.19	128	3724183	30.435	ug/ml	99
28) Hexachlorobutadiene	7.37	225	1001365	31.107	ug/ml	95
29) 4-Chloroaniline	7.27	127	1414002	31.701	ug/ml	98
30) 4-Chloro-3-methylphenol	8.01	107	1037296	31.319	ug/ml	98
31] 2-Methylnaphthalene	8.28	142	2344721	30.083	ug/ml	99
32] 1-Methylnaphthalene	8.45	142	2258629	30.200	ug/ml	100
34) Hexachlorocyclopentadiene	0.00		0	N.D.	d	
35) 2,4,6-Trichlorophenol	8.76	196	896015	34.866	ug/ml	98
36) 2,4,5-Trichlorophenol	8.82	196	896142	33.310	ug/ml	96
38) 2-Chloronaphthalene	9.15	162	2155995	32.666	ug/ml	99
39) 2-Nitroaniline	9.35	65	817978	35.071	ug/ml	97
40) Dimethyl phthalate	9.75	163	2562263	32.961	ug/ml	100
41] Acenaphthylene	9.94	152	3685405	32.510	ug/ml	99
42) 2,6-Dinitrotoluene	9.85	165	528999	30.709	ug/ml	90
43) 3-Nitroaniline	10.18	65	848887	31.978	ug/ml	97
44] Acenaphthene	10.30	153	2499661	31.473	ug/ml	96
45) 2,4-Dinitrophenol	10.39	184	324245	30.117	ug/ml	93
46] Dibenzofuran	10.67	168	4020647	32.126	ug/ml	94
47) 2,4-Dinitrotoluene	0.00		0	N.D.	d	
48) 4-Nitrophenol	10.53	65	526856	29.191	ug/ml	94
49) Diethyl phthalate	11.25	149	2627620	32.246	ug/ml	99
50] Fluorene	11.40	166	2607983	31.827	ug/ml	96
51) 4-Chlorophenyl phenyl ...	11.44	204	1323431	33.206	ug/ml	99
52) 1,2-Diphenylhydrazine	11.79	77	2351406	32.512	ug/ml	98
55) N-Nitrosodiphenylamine	11.71	169	2002348	32.353	ug/ml	98
56) 4-Nitroaniline	0.00		0	N.D.	d	
57) 4,6-Dinitro-2-methylph...	11.55	198	392033	29.503	ug/ml	92
58) 4-Bromophenyl phenyl e...	12.54	248	847677	31.702	ug/ml	93
59) Hexachlorobenzene	12.61	284	989323	30.578	ug/ml	97
60] Pentachlorophenol	13.06	266	794148	34.687	ug/ml	98
61] Phenanthrene	13.55	178	4178162	31.424	ug/ml	99
62] Anthracene	13.67	178	4105255	31.526	ug/ml	99
63] Carbazole	14.07	167	2996833	30.067	ug/ml	99
64) Di-n-butyl phthalate	15.08	149	4212939	29.559	ug/ml	99
65] Fluoranthene	16.36	202	4793162	31.706	ug/ml	99
67) Benzidine	16.78	184	1383090	33.038	ug/ml	96
68] Pyrene	16.90	202	4895103	32.121	ug/ml	95
70) Benzyl butyl phthalate	18.68	149	1861423	36.764	ug/ml	100

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

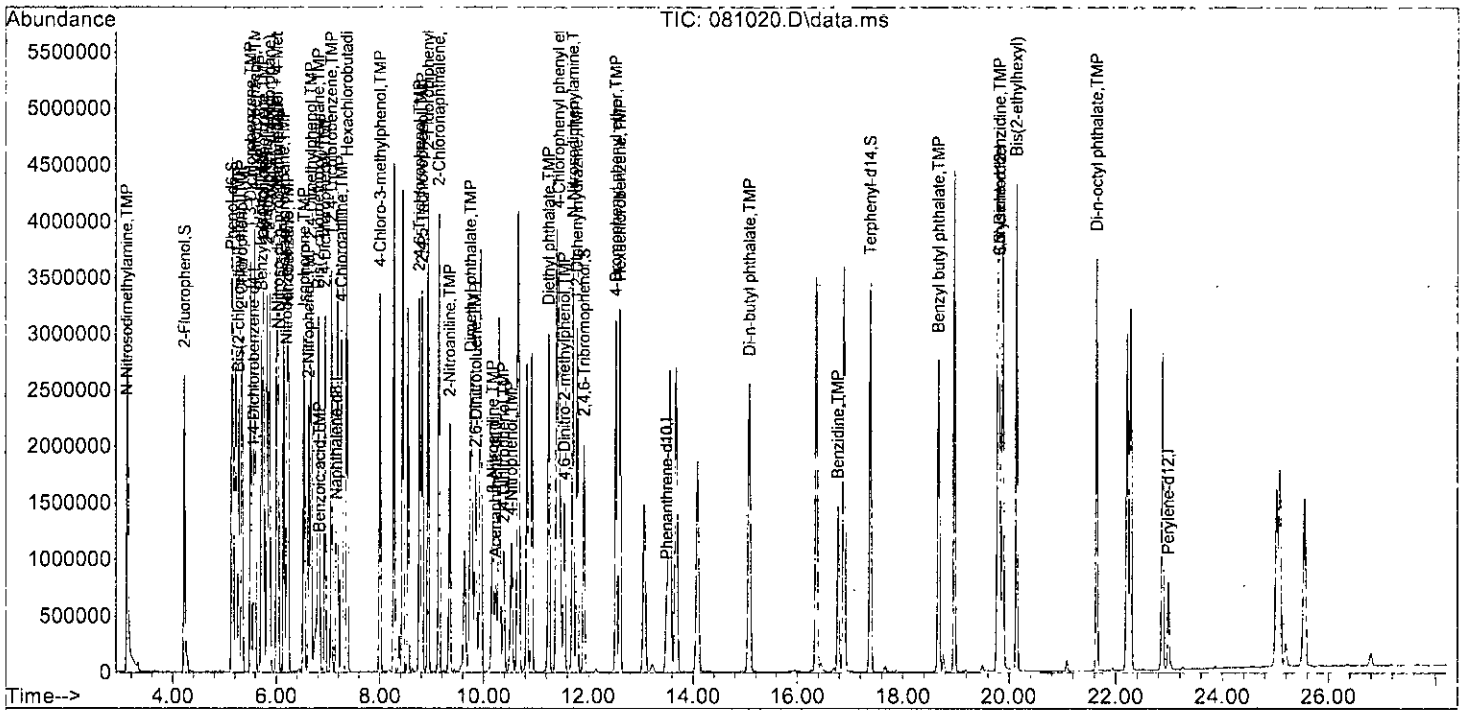
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	776967	27.547	ug/ml	97
72) Benz(a)anthracene	19.80	228	4162416	29.493	ug/ml	98
73) Chrysene	19.88	228	3901562	30.549	ug/ml	98
74) Bis(2-ethylhexyl) phth...	20.14	149	2340580	32.675	ug/ml	99
76) Di-n-octyl phthalate	21.65	149	3897677	29.894	ug/ml	98
77) Benzo(a)pyrene	22.88	252	2996111	33.015	ug/ml	100
78) Benzo(b)fluoranthene	22.22	252	3659974	32.842	ug/ml	99
79) Benzo(k)fluoranthene	22.28	252	3476759	32.474	ug/ml	99
80) Indeno(1,2,3-cd)pyrene	25.02	276	2440083m	32.701	ug/ml	
81) Dibenz(a,h)anthracene	25.08	278	2480578	33.267	ug/ml	100
82) Benzo(g,h,i)perylene	25.55	276	2419124	31.051	ug/ml	99

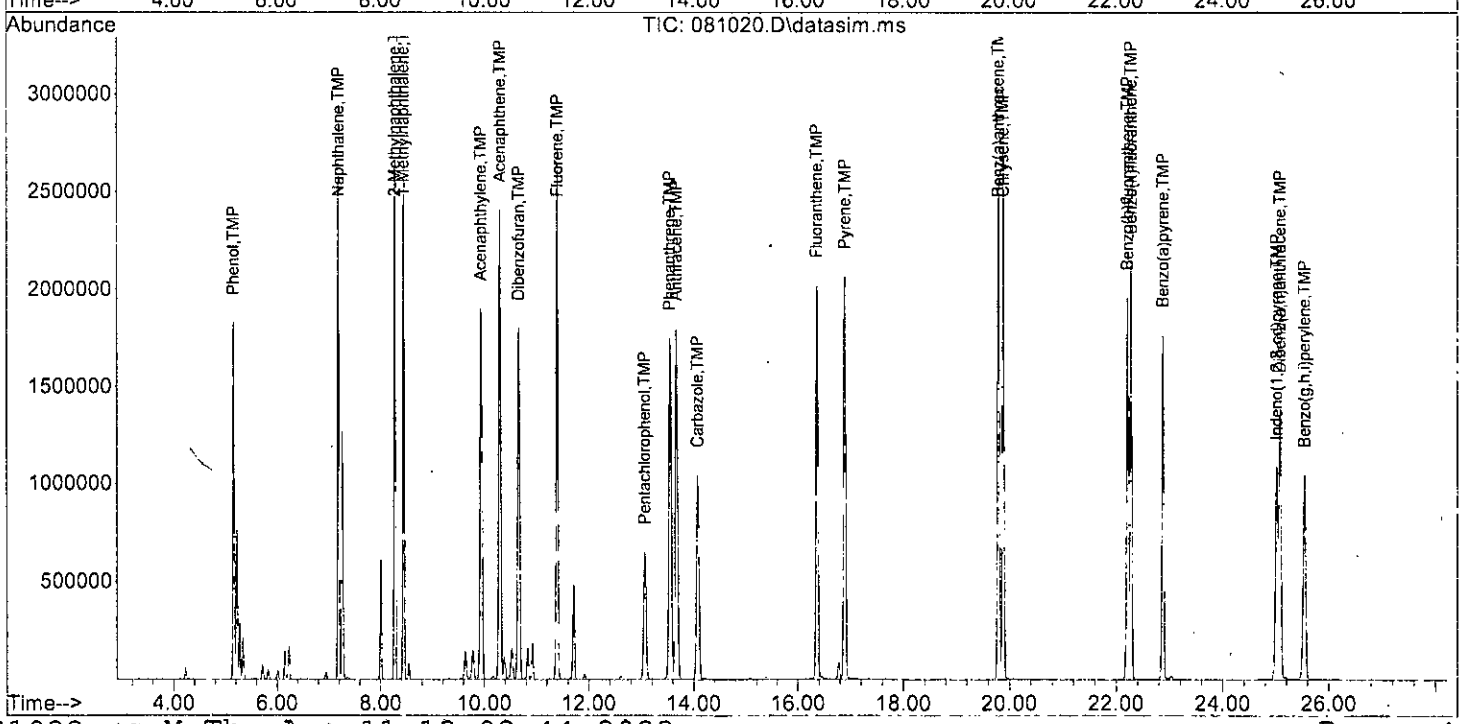
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081020.D
Acq On : 10 Aug 2022 9:29 pm
Operator : VM
Sample : 30 ug/ml 8270 ICAL 67-21M
Misc :
ALS Vial : 122 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 12:06:43 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

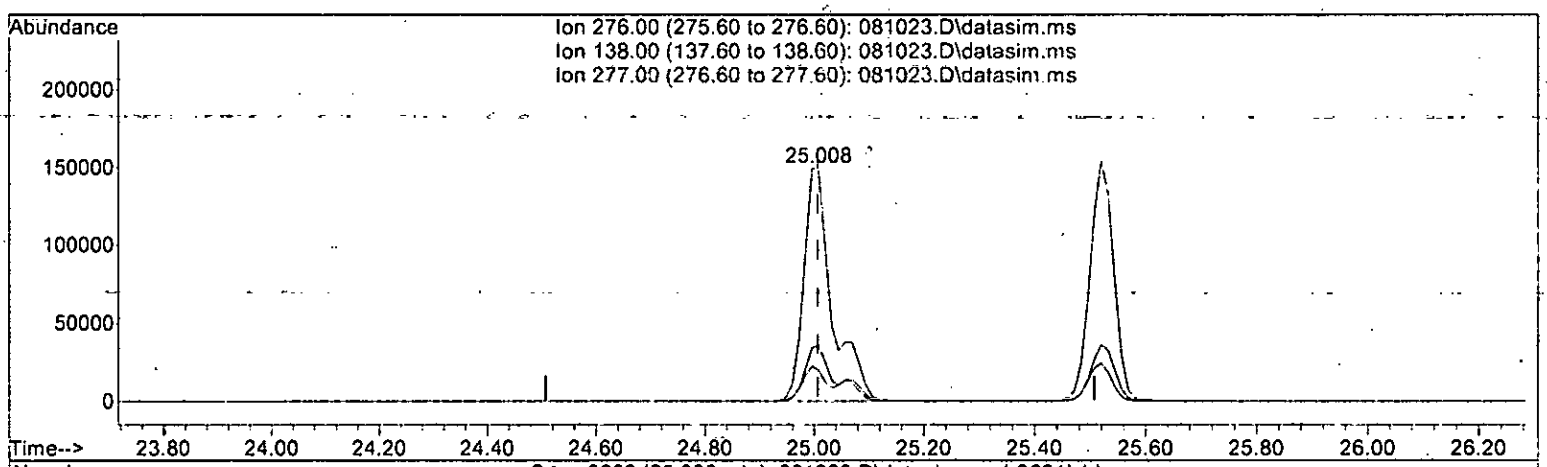


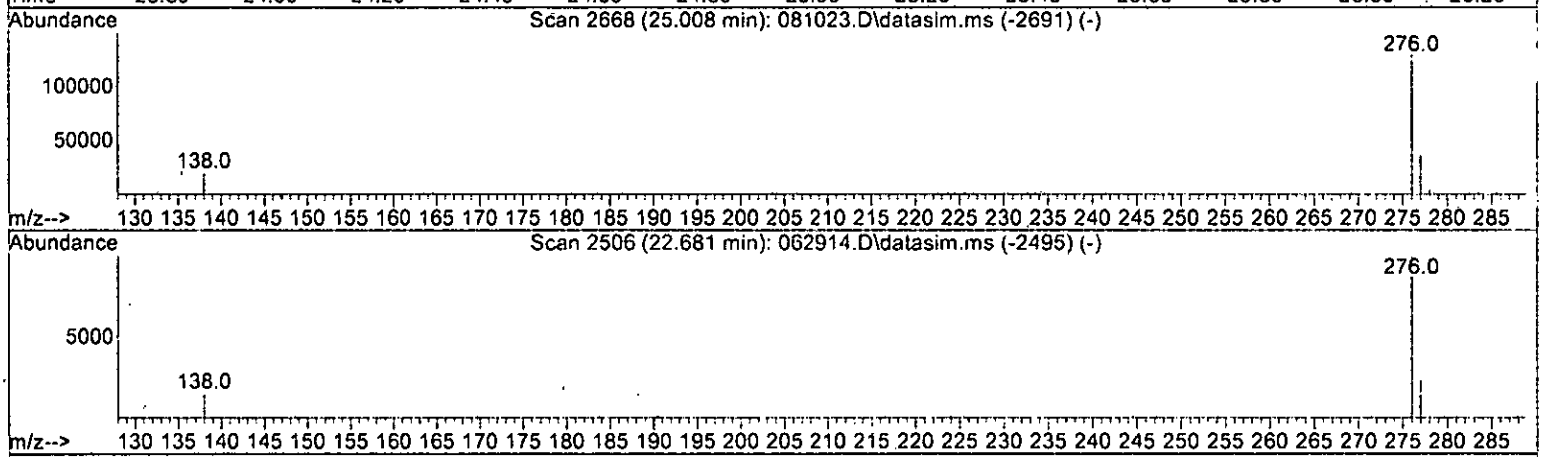


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:07 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081023.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 6.209 ug/ml

response 550127

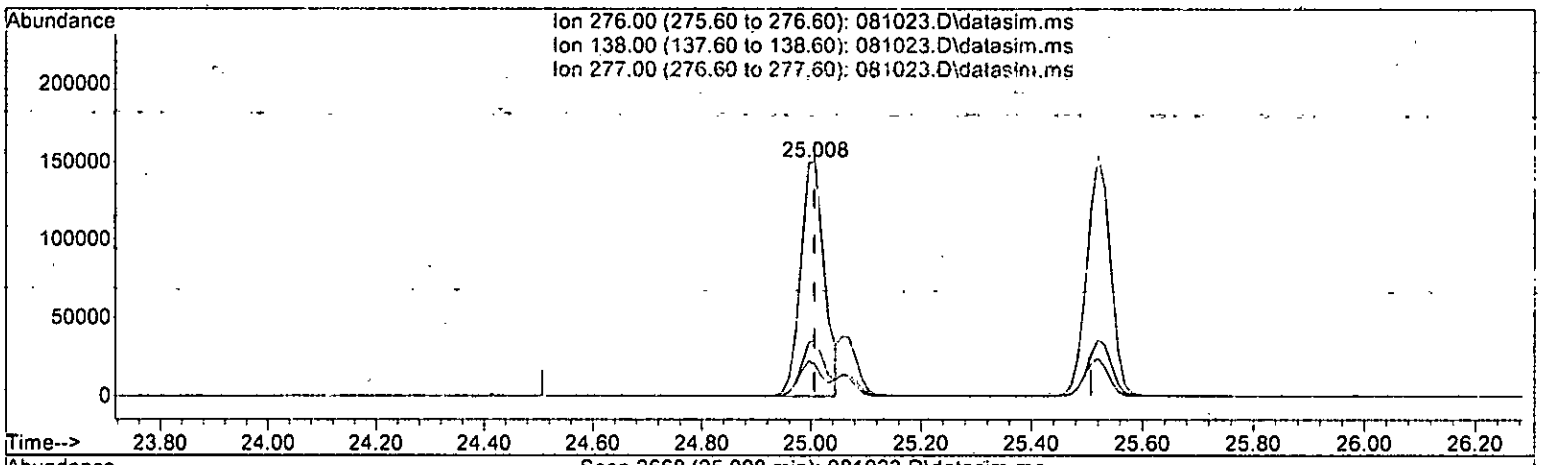
Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.39
277.00	24.10	24.03
0.00	0.00	0.00

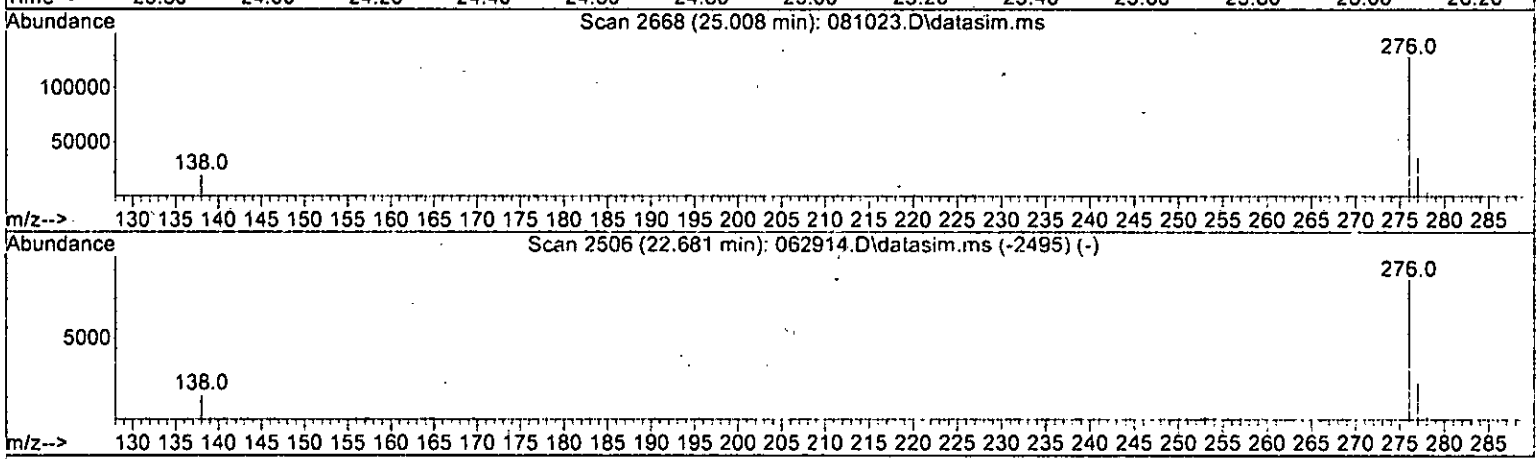
8/11

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:07 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081023.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

25.008min (+ 0.000) 5.212 ug/ml m

response 461792

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	13.43
277.00	24.10	24.07
0.00	0.00	0.00

8/11 JM

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	117	0.00
2	TMP	N-Nitrosodimethylamine	5.000	4.675	6.5	115	0.00
3	S	2-Fluorophenol	5.000	5.083	-1.7	127	0.00
4	S	Phenol-d6	5.000	4.895	2.1	115	0.00
5	TMP	Phenol	5.000	4.745	5.1	116	0.00
6	TMP	Bis(2-chloroethyl) ether	5.000	4.723	5.5	118	0.00
7	TMP	2-Chlorophenol	5.000	4.885	2.3	119	0.00
8	TMP	1,3-Dichlorobenzene	5.000	4.814	3.7	118	0.00
9	TMP	1,4-Dichlorobenzene	5.000	4.747	5.1	112	0.00
10	TMP	1,2-Dichlorobenzene	5.000	4.620	7.6	112	0.00
11	TMP	Benzyl alcohol	5.000	4.881	2.4	120	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	5.000	4.726	5.5	116	0.00
13	TMP	2-Methylphenol	5.000	4.810	3.8	114	0.00
14	TMP	Hexachloroethane	5.000	4.950	1.0	126	0.00
15	TMP	N-Nitroso-di-n-propylamine	5.000	4.598	8.0	116	0.00
16	TMP	3-Methylphenol + 4-Methylph	5.000	4.829	3.4	117	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	126	0.00
18	S	Nitrobenzene-d5	5.000	4.988	0.2	125	0.00
19	TMP	Nitrobenzene	5.000	4.702	6.0	114	0.00
20	TMP	Isophorone	5.000	4.683	6.3	118	0.00
21	TMP	2-Nitrophenol	5.000	4.808	3.8	131	0.00
22	TMP	2,4-Dimethylphenol	5.000	4.684	6.3	121	0.00
23	TMP	Benzoic acid	5.000	4.789	4.2	117	0.00
24	TMP	Bis(2-chloroethoxy)methane	5.000	4.779	4.4	121	0.00
25	TMP	2,4-Dichlorophenol	5.000	4.717	5.7	118	0.00
26	TMP	1,2,4-Trichlorobenzene	5.000	4.858	2.8	122	0.00
27	TMP	Naphthalene	5.000	4.717	5.7	120	0.00
28	TMP	Hexachlorobutadiene	5.000	4.685	6.3	119	0.00
29	TMP	4-Chloroaniline	5.000	4.623	7.5	118	0.00
30	TMP	4-Chloro-3-methylphenol	5.000	4.639	7.2	119	0.00
31	TMP	2-Methylnaphthalene	5.000	4.796	4.1	120	0.00
32	TMP	1-Methylnaphthalene	5.000	4.781	4.4	120	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	121	0.00
34	TMP	Hexachlorocyclopentadiene	5.000	5.484	-9.7	126	0.00
35	TMP	2,4,6-Trichlorophenol	5.000	5.007	-0.1	126	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	5.000	4.964	0.7	121	0.00
37	S	2-Fluorobiphenyl	5.000	5.441	-8.8	133	0.00
38	TMP	2-Chloronaphthalene	5.000	4.916	1.7	122	0.00
39	TMP	2-Nitroaniline	5.000	4.854	2.9	125	0.00
40	TMP	Dimethyl phthalate	5.000	4.935	1.3	123	0.00
41	TMP	Acenaphthylene	5.000	4.994	0.1	119	0.00
42	TMP	2,6-Dinitrotoluene	5.000	4.903	1.9	117	0.00
43	TMP	3-Nitroaniline	5.000	5.096	-1.9	121	0.00
44	TMP	Acenaphthene	5.000	4.896	2.1	120	0.00
45	TMP	2,4-Dinitrophenol	5.000	4.544	9.1	120	0.00
46	TMP	Dibenzofuran	5.000	5.094	-1.9	120	-0.01
47	TMP	2,4-Dinitrotoluene	5.000	5.293	-5.9	128	-0.01
48	TMP	4-Nitrophenol	5.000	4.932	1.4	125	0.00
49	TMP	Diethyl phthalate	5.000	4.892	2.2	119	0.00
50	TMP	Fluorene	5.000	4.974	0.5	120	0.00
51	TMP	4-Chlorophenyl phenyl ether	5.000	4.822	3.6	112	0.00
52	TMP	1,2-Diphenylhydrazine	5.000	4.908	1.8	122	0.00
53	S	2,4,6-Tribromophenol	5.000	5.149	-3.0	131	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	127	0.00
55	TMP	N-Nitrosodiphenylamine	5.000	4.740	5.2	118	0.00
56	TMP	4-Nitroaniline	5.000	5.091	-1.8	131	0.00
57	TMP	4,6-Dinitro-2-methylphenol	5.000	5.043	-0.9	123	0.00
58	TMP	4-Bromophenyl phenyl ether	5.000	4.829	3.4	120	0.00
59	TMP	Hexachlorobenzene	5.000	4.953	0.9	120	0.00
60	TMP	Pentachlorophenol	5.000	4.812	3.8	125	0.00
61	TMP	Phenanthrene	5.000	4.874	2.5	120	0.00
62	TMP	Anthracene	5.000	4.984	0.3	121	0.00
63	TMP	Carbazole	5.000	4.906	1.9	119	-0.02
64	TMP	Di-n-butyl phthalate	5.000	5.236	-4.7	110	0.00
65	TMP	Fluoranthene	5.000	5.116	-2.3	124	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	123	0.00
67	TMP	Benzidine	5.000	4.689	6.2	126	0.00
68	TMP	Pyrene	5.000	5.068	-1.4	123	0.00
69	S	Terphenyl-d14	5.000	5.275	-5.5	132	0.00
70	TMP	Benzyl butyl phthalate	5.000	4.803	3.9	122	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	5.000	5.046	-0.9	122	0.00
72	TMP	Benz(a)anthracene	5.000	4.989	0.2	120	0.00
73	TMP	Chrysene	5.000	4.851	3.0	118	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	5.000	4.814	3.7	123	0.00
75	I	Perylene-d12	8.000	8.000	0.0	112	0.00
76	TMP	Di-n-octyl phthalate	5.000	5.167	-3.3	118	0.00
77	TMP	Benzo(a)pyrene	5.000	4.884	2.3	108	0.00
78	TMP	Benzo(b)fluoranthene	5.000	4.912	1.8	111	0.00
79	TMP	Benzo(k)fluoranthene	5.000	4.907	1.9	107	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	5.000	5.212	-4.2	115	0.00
81	TMP	Dibenz(a,h)anthracene	5.000	5.081	-1.6	112	0.00
82	TMP	Benzo(g,h,i)perylene	5.000	4.937	1.3	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	117	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.619	6.5	115	0.00
3	S	2-Fluorophenol	1.064	1.082	-1.7	127	0.00
4	S	Phenol-d6	1.279	1.252	2.1	115	0.00
5	TMP	Phenol	1.625	1.542	5.1	116	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.185	5.5	118	0.00
7	TMP	2-Chlorophenol	1.210	1.182	2.3	119	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.392	3.7	118	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.349	5.1	112	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.305	7.6	112	0.00
11	TMP	Benzyl alcohol	0.768	0.750	2.3	120	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	2.930	5.5	116	0.00
13	TMP	2-Methylphenol	1.055	1.015	3.8	114	0.00
14	TMP	Hexachloroethane	0.629	0.623	1.0	126	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.805	8.0	116	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.053	3.4	117	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	126	0.00
18	S	Nitrobenzene-d5	0.401	0.400	0.2	125	0.00
19	TMP	Nitrobenzene	0.414	0.390	5.8	114	0.00
20	TMP	Isophorone	0.690	0.647	6.2	118	0.00
21	TMP	2-Nitrophenol	0.173	0.166	4.0	131	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.355	6.3	121	0.00
23	TMP	Benzoic acid	0.178	0.116	34.8#	117	0.00
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.414	4.4	121	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.301	5.6	118	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.389	2.8	122	0.00
27	TMP	Naphthalene	1.188	1.121	5.6	120	0.00
28	TMP	Hexachlorobutadiene	0.313	0.293	6.4	119	0.00
29	TMP	4-Chloroaniline	0.433	0.400	7.6	118	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.298	7.5	119	0.00
31	TMP	2-Methylnaphthalene	0.757	0.726	4.1	120	0.00
32	TMP	1-Methylnaphthalene	0.726	0.694	4.4	120	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	121	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.590	-9.7	126	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.482	0.0	126	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.501	0.6	121	0.00
37	S	2-Fluorobiphenyl	1.406	1.530	-8.8	133	0.00
38	TMP	2-Chloronaphthalene	1.237	1.216	1.7	122	0.00
39	TMP	2-Nitroaniline	0.437	0.424	3.0	125	0.00
40	TMP	Dimethyl phthalate	1.457	1.438	1.3	123	0.00
41	TMP	Acenaphthylene	2.125	2.122	0.1	119	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.272	-3.0	117	0.00
43	TMP	3-Nitroaniline	0.498	0.507	-1.8	121	0.00
44	TMP	Acenaphthene	1.489	1.458	2.1	120	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.137	13.8	120	0.00
46	TMP	Dibenzofuran	2.346	2.390	-1.9	120	-0.01
47	TMP	2,4-Dinitrotoluene	0.373	0.395	-5.9	128	-0.01
48	TMP	4-Nitrophenol	0.297	0.275	7.4	125	0.00
49	TMP	Diethyl phthalate	1.527	1.494	2.2	119	0.00
50	TMP	Fluorene	1.536	1.528	0.5	120	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.720	3.6	112	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.331	1.8	122	0.00
53	S	2,4,6-Tribromophenol	0.293	0.302	-3.1	131	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	127	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.530	5.4	118	0.00
56	TMP	4-Nitroaniline	0.087	0.089	-2.3	131	0.00
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.099	2.0	123	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.233	3.7	120	0.00
59	TMP	Hexachlorobenzene	0.293	0.290	1.0	120	0.00
60	TMP	Pentachlorophenol	0.207	0.199	3.9	125	0.00
61	TMP	Phenanthrene	1.202	1.172	2.5	120	0.00
62	TMP	Anthracene	1.177	1.173	0.3	121	0.00
63	TMP	Carbazole	0.901	0.884	1.9	119	-0.02
64	TMP	Di-n-butyl phthalate	1.289	1.349	-4.7	110	0.00
65	TMP	Fluoranthene	1.367	1.398	-2.3	124	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	123	0.00
67	TMP	Benzidine	0.460	0.431	6.3	126	0.00
68	TMP	Pyrene	1.674	1.697	-1.4	123	0.00
69	S	Terphenyl-d14	1.068	1.127	-5.5	132	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.534	4.0	122	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.313	-1.0	122	0.00
72	TMP	Benz(a)anthracene	1.637	1.432	12.5	120	0.00
73	TMP	Chrysene	1.403	1.361	3.0	118	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.757	3.8	123	0.00
75	I	Perylene-d12	1.000	1.000	0.0	112	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.318	7.4	118	0.00
77	TMP	Benzo(a)pyrene	1.223	1.195	2.3	108	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.476	1.7	111	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.416	1.9	107	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.048	-4.2	115	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.021	-1.6	112	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.037	1.2	110	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.56	152	263964	8.000	ug/ml	0.00
17) Naphthalene-d8	7.15	136	883331	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.22	164	481781	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.50	188	1023983	8.000	ug/ml	0.00
66) Chrysene-d12	19.81	240	866511	8.000	ug/ml	0.00
75) Perylene-d12	22.98	264	704794	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.22	112	178454	5.083	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 33.87%			
4) Phenol-d6	5.13	99	206561	4.895	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 32.67%			
18) Nitrobenzene-d5	6.20	82	220877	4.988	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 49.90%			
37) 2-Fluorobiphenyl	8.93	172	460771	5.441	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 54.40%			
53) 2,4,6-Tribromophenol	11.91	330	90797	5.149	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 34.33%			
69) Terphenyl-d14	17.38	244	610473	5.275	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 52.70%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.11	74	102167	4.675	ug/ml	99
5) Phenol	5.15	94	254447	4.745	ug/ml	97
6) Bis(2-chloroethyl) ether	5.27	63	195439	4.723	ug/ml	99
7) 2-Chlorophenol	5.33	128	194993	4.885	ug/ml	91
8) 1,3-Dichlorobenzene	5.51	146	229626	4.814	ug/ml	98
9) 1,4-Dichlorobenzene	5.58	146	222557	4.747	ug/ml	92
10) 1,2-Dichlorobenzene	5.75	146	215364	4.620	ug/ml	95
11) Benzyl alcohol	5.70	108	123707	4.881	ug/ml	88
12) 2,2'-Oxybis(1-chloropr...	5.86	45	483391	4.726	ug/ml	99
13) 2-Methylphenol	5.82	108	167375	4.810	ug/ml	98
14) Hexachloroethane	6.14	117	102788	4.950	ug/ml	96
15) N-Nitroso-di-n-propyla...	6.02	70	132774	4.598	ug/ml	99
16) 3-Methylphenol + 4-Met...	6.00	108	173668	4.829	ug/ml	96
19) Nitrobenzene	6.22	77	215099	4.702	ug/ml	99
20) Isophorone	6.52	82	356976	4.683	ug/ml	99
21) 2-Nitrophenol	6.62	139	91658	4.808	ug/ml	87
22) 2,4-Dimethylphenol	6.66	107	196172	4.684	ug/ml	99
23) Benzoic acid	6.73	122	63932	4.789	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	6.81	93	228635	4.779	ug/ml	99
25)	2,4-Dichlorophenol	6.94	162	166378	4.717	ug/ml	98
26)	1,2,4-Trichlorobenzene	7.07	180	214714	4.858	ug/ml	100
27]	Naphthalene	7.18	128	618680	4.717	ug/ml	99
28)	Hexachlorobutadiene	7.37	225	161652	4.685	ug/ml	95
29)	4-Chloroaniline	7.25	127	221053	4.623	ug/ml	98
30)	4-Chloro-3-methylphenol	8.00	107	164692	4.639	ug/ml	96
31]	2-Methylnaphthalene	8.27	142	400657	4.796	ug/ml	97
32]	1-Methylnaphthalene	8.44	142	383305	4.781	ug/ml	96
34)	Hexachlorocyclopentadiene	8.54	237	177716	5.484	ug/ml	95
35)	2,4,6-Trichlorophenol	8.76	196	145225	5.007	ug/ml	99
36)	2,4,5-Trichlorophenol	8.81	196	150750	4.964	ug/ml	90
38)	2-Chloronaphthalene	9.14	162	366221	4.916	ug/ml	97
39)	2-Nitroaniline	9.33	65	127789	4.854	ug/ml	94
40)	Dimethyl phthalate	9.74	163	433057	4.935	ug/ml	97
41]	Acenaphthylene	9.93	152	639010	4.994	ug/ml	100
42)	2,6-Dinitrotoluene	9.83	165	81789	4.903	ug/ml	94
43)	3-Nitroaniline	10.15	65	152684	5.096	ug/ml	98
44]	Acenaphthene	10.28	153	438874	4.896	ug/ml	99
45)	2,4-Dinitrophenol	10.37	184	41121	4.544	ug/ml	90
46]	Dibenzofuran	10.65	168	719625	5.094	ug/ml	83
47)	2,4-Dinitrotoluene	10.65	165	119001	5.293	ug/ml	97
48)	4-Nitrophenol	10.51	65	82677	4.932	ug/ml	97
49)	Diethyl phthalate	11.23	149	449990	4.892	ug/ml	98
50]	Fluorene	11.39	166	460038	4.974	ug/ml	98
51)	4-Chlorophenyl phenyl ...	11.43	204	216898	4.822	ug/ml	95
52)	1,2-Diphenylhydrazine	11.77	77	400657	4.908	ug/ml	96
55)	N-Nitrosodiphenylamine	11.70	169	339496	4.740	ug/ml	97
56)	4-Nitroaniline	11.44	138	56744	5.091	ug/ml	91
57)	4,6-Dinitro-2-methylph...	11.52	198	63077	5.043	ug/ml	91
58)	4-Bromophenyl phenyl e...	12.52	248	149435	4.829	ug/ml	96
59)	Hexachlorobenzene	12.59	284	185438	4.953	ug/ml	98
60]	Pentachlorophenol	13.06	266	127486	4.812	ug/ml	100
61]	Phenanthrene	13.54	178	749951	4.874	ug/ml	100
62]	Anthracene	13.65	178	751026	4.984	ug/ml	100
63]	Carbazole	14.06	167	565918	4.906	ug/ml	98
64)	Di-n-butyl phthalate	15.07	149	863590	5.236	ug/ml	97
65]	Fluoranthene	16.35	202	895001	5.116	ug/ml	99
67)	Benzidine	16.77	184	233512	4.689	ug/ml	92
68]	Pyrene	16.87	202	918846	5.068	ug/ml	99
70)	Benzyl butyl phthalate	18.67	149	289283	4.803	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

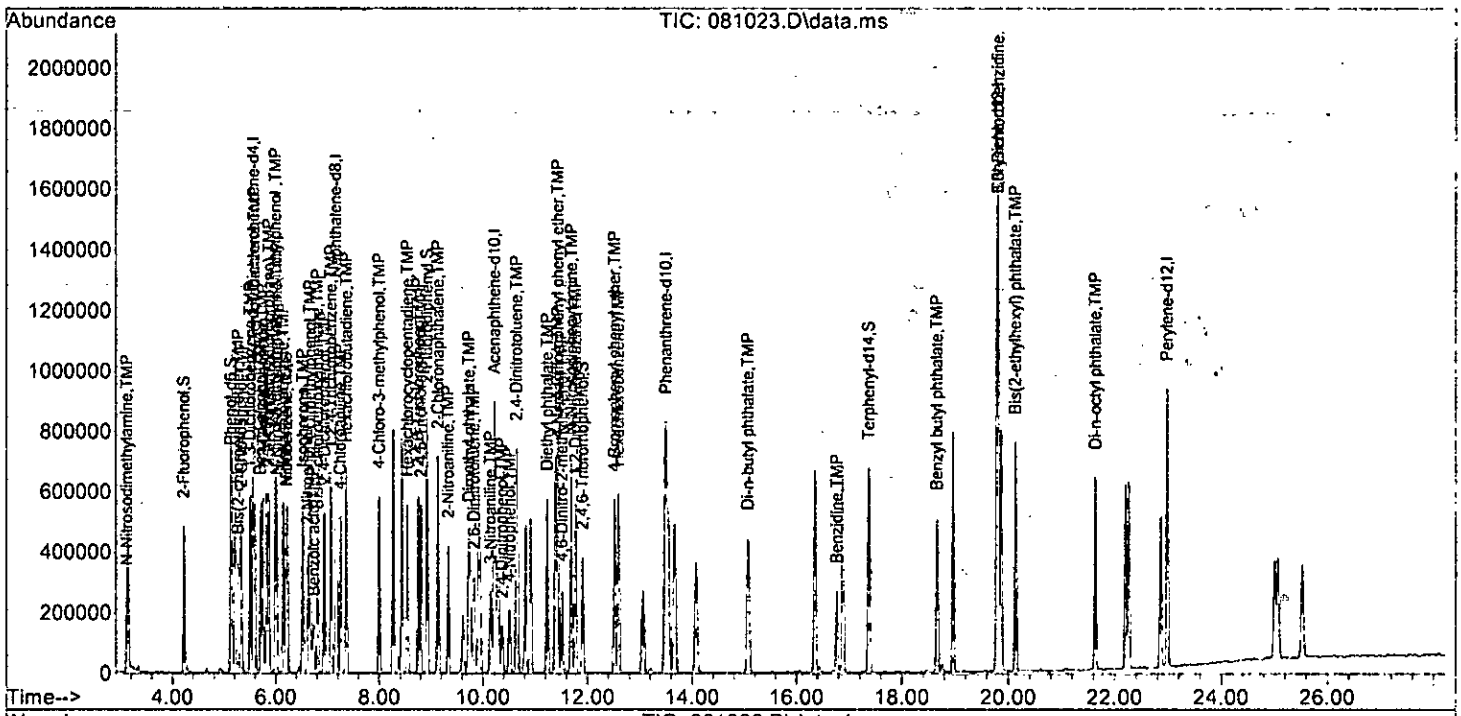
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.82	252	169323	5.046	ug/ml	98
72] Benz(a)anthracene	19.79	228	775607	4.989	ug/ml	100
73] Chrysene	19.87	228	737129	4.851	ug/ml	100
74) Bis(2-ethylhexyl) phth...	20.14	149	410212	4.814	ug/ml	98
76) Di-n-octyl phthalate	21.64	149	580462	5.167	ug/ml	97
77] Benzo(a)pyrene	22.87	252	526255	4.884	ug/ml	100
78] Benzo(b)fluoranthene	22.20	252	650013	4.912	ug/ml	100
79] Benzo(k)fluoranthene	22.26	252	623854	4.907	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	25.01	276	461792m	5.212	ug/ml	
81] Dibenz(a,h)anthracene	25.07	278	449900	5.081	ug/ml	99
82] Benzo(g,h,i)perylene	25.52	276	456714	4.937	ug/ml	100

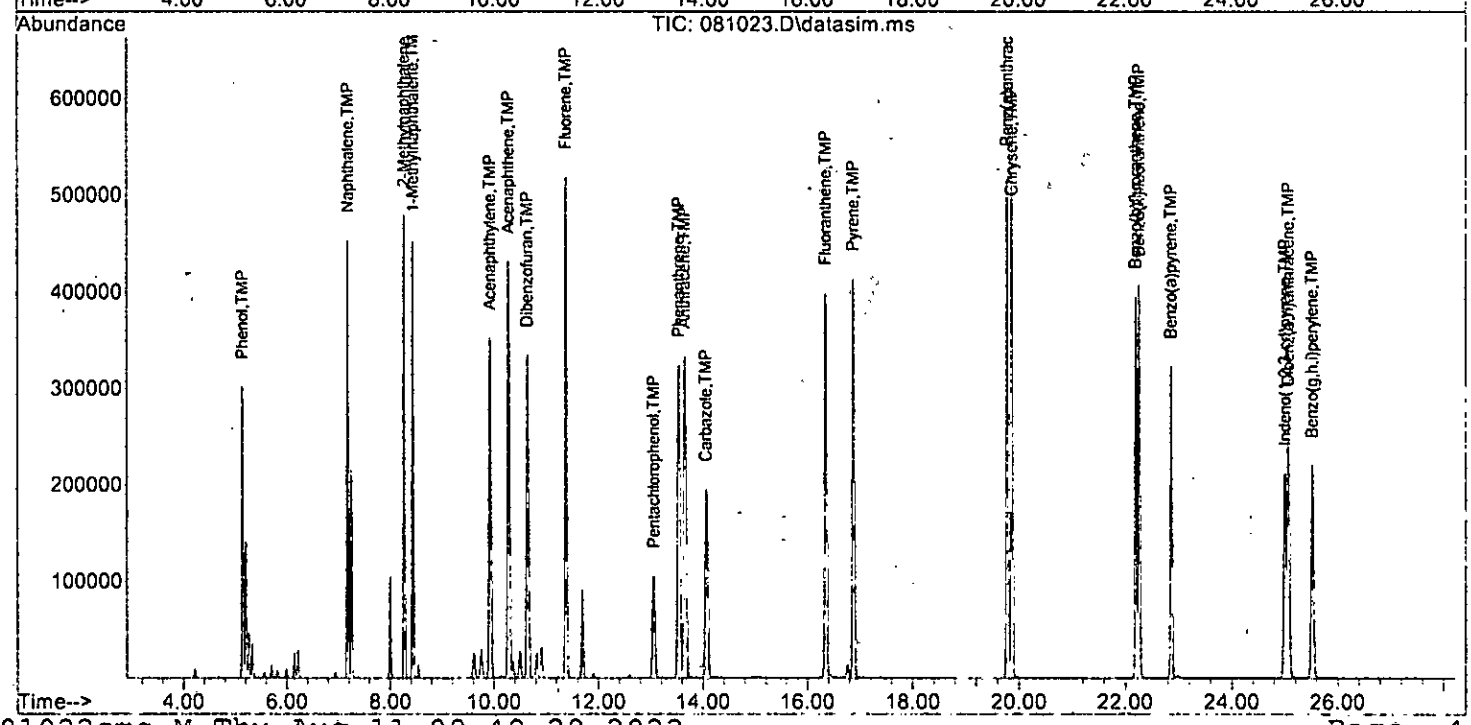
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

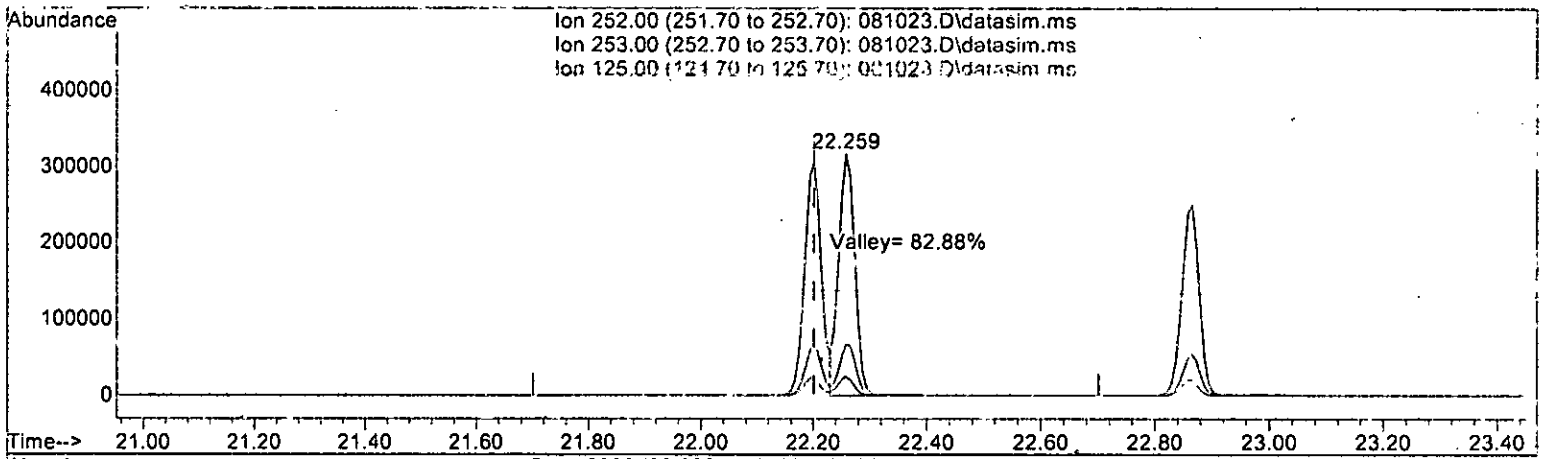


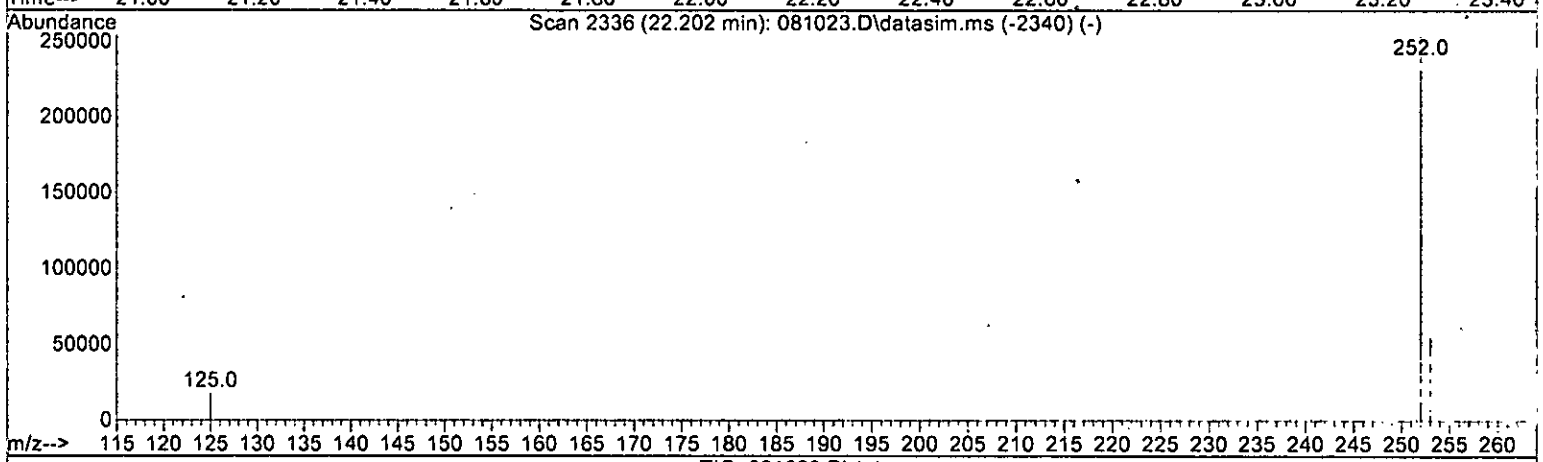


Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-10-22\
Data File : 081023.D
Acq On : 10 Aug 2022 11:09 pm
Operator : VM
Sample : 5 ug/ml 8270 SCV 67-22a
Misc :
ALS Vial : 123 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 11 09:53:24 2022
Quant Method : N:\Methods\Inst9\081022sms.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Thu Aug 11 09:38:10 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 081023.D\data.ms

(78) Benzo(b)fluoranthene (TMP)

22.202min (-0.000) 4.912 ug/ml

response 650013

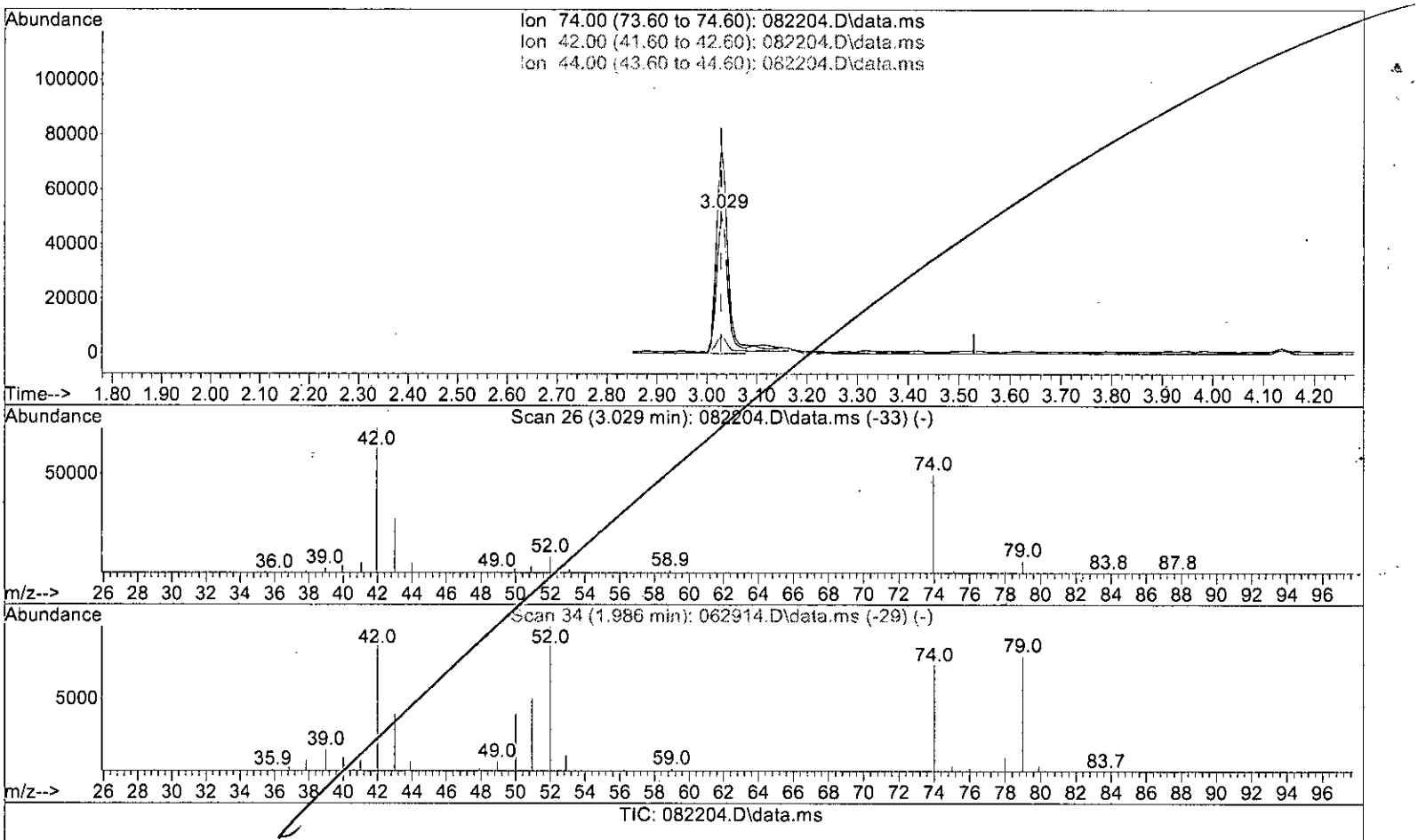
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.80	21.79
125.00	7.60	7.38
0.00	0.00	0.00

EPA 8270E
CCV Summaries

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:18:14 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 082204.D\data.ms

(2) N-Nitrosodimethylamine (TMP)

3.029min (+ 0.000) 4.607 ug/ml

response 80422

Ion	Exp%	Act%
74.00	100.00	100.00
42.00	153.80	146.82
44.00	11.40	11.10
0.00	0.00	0.00

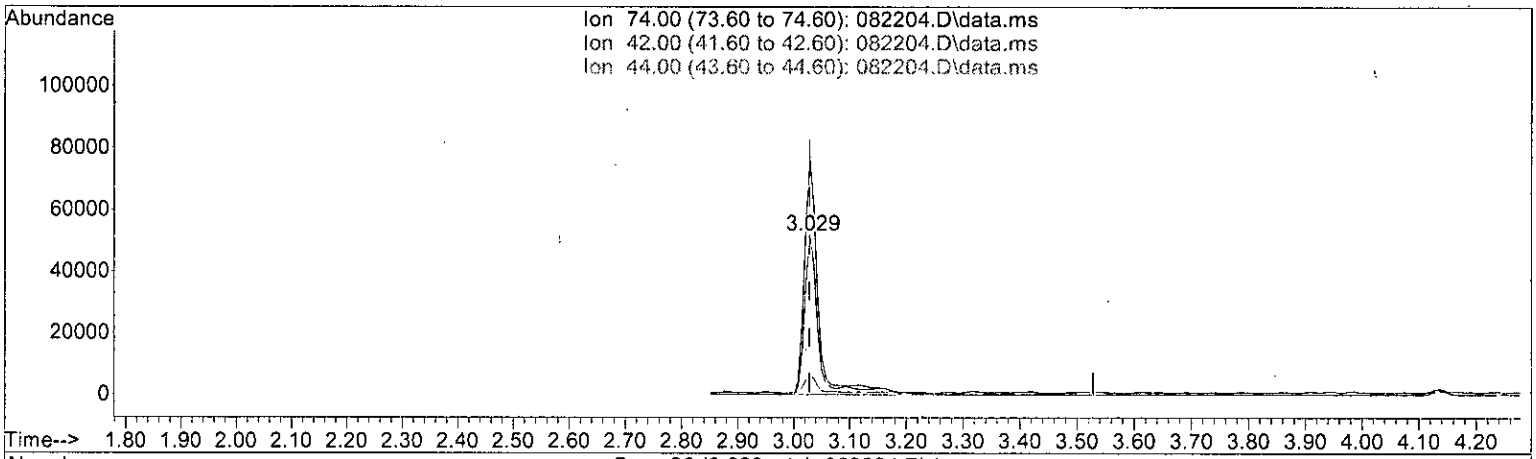
VM

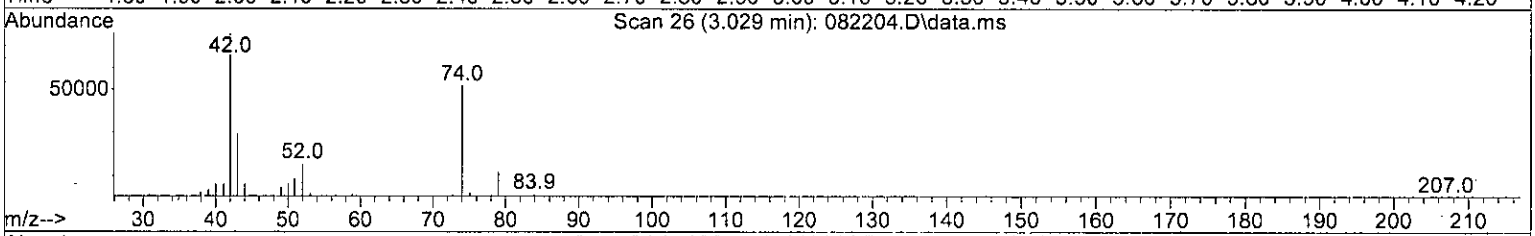
AUG 23 2022

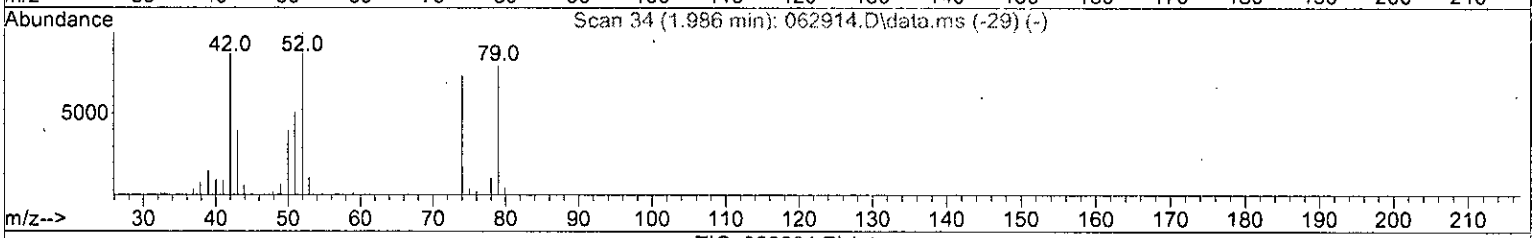
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:18:14 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 082204.D\data.ms

(2) N-Nitrosodimethylamine (TMP)

3.029min (+ 0.000) 5.239 ug/ml m

response 91460

Ion	Exp%	Act%
74.00	100.00	100.00
42.00	153.80	146.82
44.00	11.40	12.05
0.00	0.00	0.00

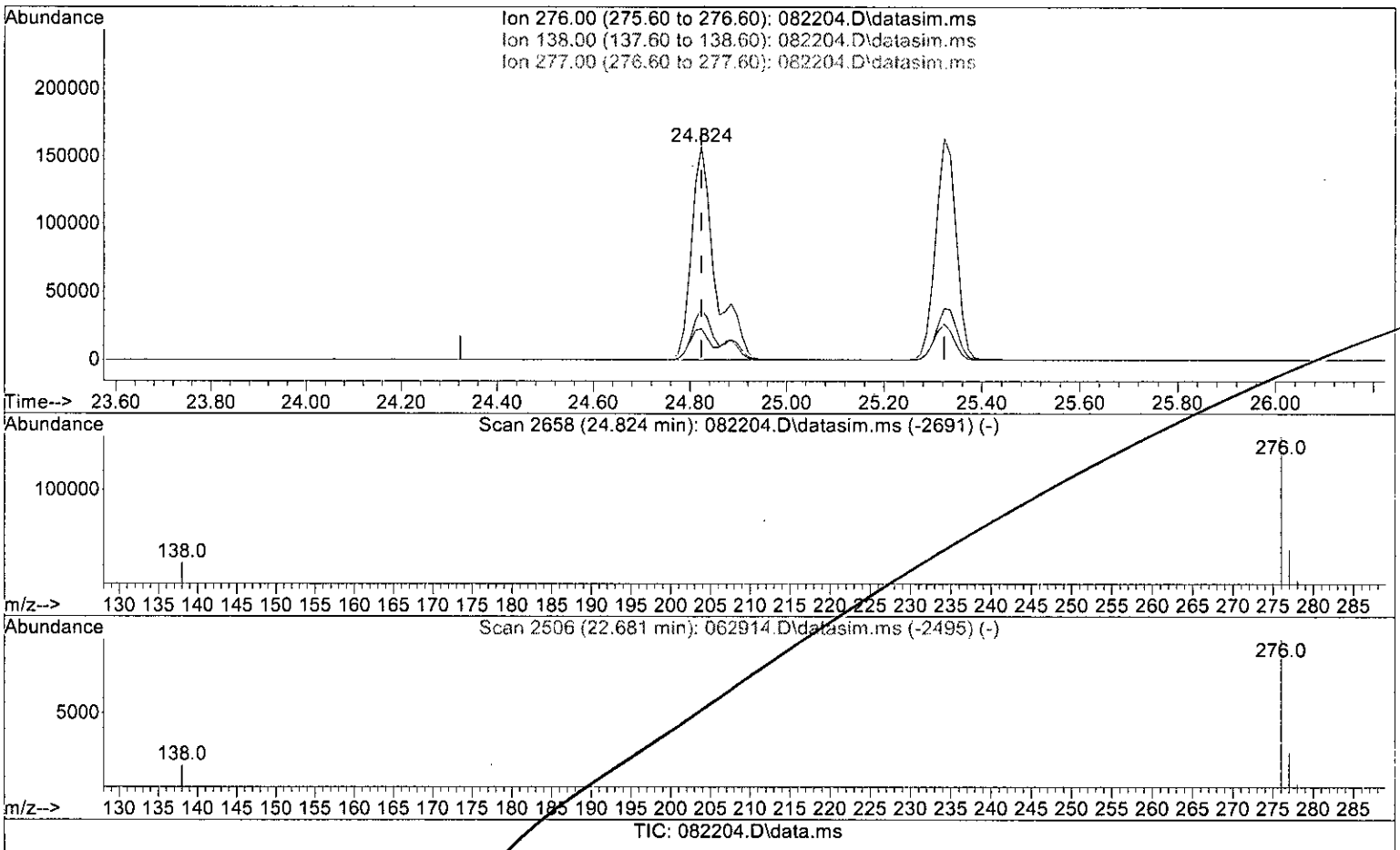
VM

AUG 23 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:18:14 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(80) Indeno(1,2,3-cd)pyrene (TMP)

24.824min (-0.000) 6.443 ug/ml

response 542558

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.54
277.00	24.10	23.78
0.00	0.00	0.00

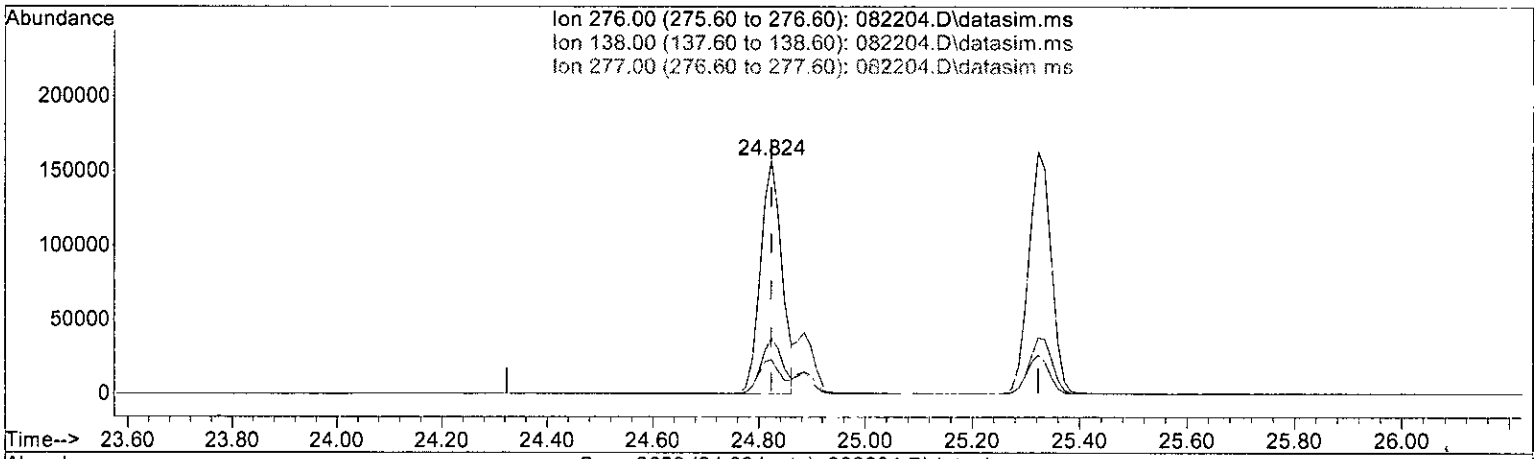
VM

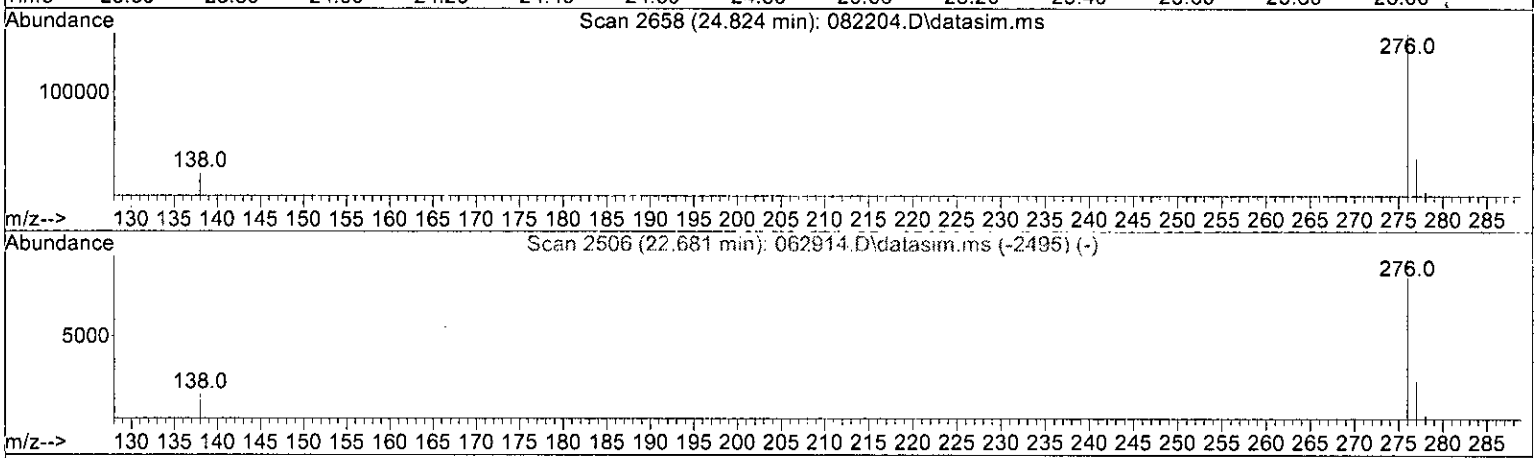
AUG 23 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:18:14 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 082204.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.824min (-0.000) 5.242 ug/ml m

response 441423

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.57
277.00	24.10	23.81
0.00	0.00	0.00

VM

AUG 23 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.47	152	210854	8.000	ug/ml	0.00
17) Naphthalene-d8	7.04	136	693392	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.08	164	394274	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.34	188	809238	8.000	ug/ml	0.00
66) Chrysene-d12	19.65	240	719293	8.000	ug/ml	0.00
75) Perylene-d12	22.83	264	669814	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.14	112	136039	4.851	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 32.33%			
4) Phenol-d6	5.04	99	165902	4.922	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 32.80%			
18) Nitrobenzene-d5	6.10	82	171777	4.941	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 49.40%			
37) 2-Fluorobiphenyl	8.80	172	342449	4.941	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 49.40%			
53) 2,4,6-Tribromophenol	11.76	330	66533	4.611	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 30.73%			
69) Terphenyl-d14	17.22	244	470260	4.895	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 48.90%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.03	74	91460m	5.239	ug/ml	
5] Phenol	5.06	94	215594	5.033	ug/ml	100
6) Bis(2-chloroethyl) ether	5.18	63	161600	4.889	ug/ml	100
7) 2-Chlorophenol	5.24	128	157357	4.935	ug/ml	93
8) 1,3-Dichlorobenzene	5.41	146	192351	5.048	ug/ml	95
9) 1,4-Dichlorobenzene	5.49	146	188018	5.020	ug/ml	96
10) 1,2-Dichlorobenzene	5.66	146	181290	4.869	ug/ml	96
11) Benzyl alcohol	5.62	108	98501	4.865	ug/ml	97
12) 2,2'-Oxybis(1-chloropr...	5.78	45	408568	5.001	ug/ml	100
13) 2-Methylphenol	5.73	108	137919	4.961	ug/ml	97
14) Hexachloroethane	6.04	117	82720	4.987	ug/ml	89
15) N-Nitroso-di-n-propyla...	5.92	70	115474	5.006	ug/ml	94
16) 3-Methylphenol + 4-Met...	5.90	108	144611	5.034	ug/ml	98
19) Nitrobenzene	6.12	77	178734	4.977	ug/ml	99
20) Isophorone	6.42	82	303504	5.073	ug/ml	98
21) 2-Nitrophenol	6.52	139	75054	5.015	ug/ml	89
22) 2,4-Dimethylphenol	6.57	107	158173	4.811	ug/ml	98
23) Benzoic acid	6.63	122	37296	4.056	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.71	93	183129	4.876	ug/ml	98
25) 2,4-Dichlorophenol	6.83	162	137089	4.951	ug/ml	99
26) 1,2,4-Trichlorobenzene	6.96	180	171420	4.941	ug/ml	98
27] Naphthalene	7.07	128	506479	4.919	ug/ml	100
28) Hexachlorobutadiene	7.25	225	138641	5.119	ug/ml	94
29) 4-Chloroaniline	7.15	127	186170	4.960	ug/ml	93
30) 4-Chloro-3-methylphenol	7.89	107	131411	4.716	ug/ml	99
31] 2-Methylnaphthalene	8.15	142	325899	4.969	ug/ml	96
32] 1-Methylnaphthalene	8.31	142	314226	4.993	ug/ml	99
34) Hexachlorocyclopentadiene	8.42	237	107255	4.044	ug/ml	96
35) 2,4,6-Trichlorophenol	8.64	196	110746	4.665	ug/ml	98
36) 2,4,5-Trichlorophenol	8.69	196	118216	4.757	ug/ml	100
38) 2-Chloronaphthalene	9.01	162	296010	4.855	ug/ml	97
39) 2-Nitroaniline	9.21	65	103500	4.804	ug/ml	96
40) Dimethyl phthalate	9.60	163	357446	4.978	ug/ml	97
41] Acenaphthylene	9.79	152	524267	5.007	ug/ml	100
42) 2,6-Dinitrotoluene	9.71	165	73646	5.367	ug/ml	93
43) 3-Nitroaniline	10.02	65	122063	4.978	ug/ml	95
44] Acenaphthene	10.15	153	364156	4.964	ug/ml	100
45) 2,4-Dinitrophenol	10.24	184	27928	3.888	ug/ml	96
46] Dibenzofuran	10.51	168	514371	4.449	ug/ml	82
47) 2,4-Dinitrotoluene	10.52	165	89963	4.890	ug/ml	96
48) 4-Nitrophenol	10.39	65	63822	4.668	ug/ml	95
49) Diethyl phthalate	11.10	149	379839	5.046	ug/ml	99
50] Fluorene	11.25	166	379118	5.009	ug/ml	95
51) 4-Chlorophenyl phenyl ...	11.29	204	182848	4.967	ug/ml	95
52) 1,2-Diphenylhydrazine	11.64	77	328155	4.912	ug/ml	95
55) N-Nitrosodiphenylamine	11.56	169	274089	4.842	ug/ml	98
56) 4-Nitroaniline	11.30	138	43483	4.937	ug/ml	92
57) 4,6-Dinitro-2-methylph...	11.38	198	44081	4.521	ug/ml	94
58) 4-Bromophenyl phenyl e...	12.37	248	121390	4.964	ug/ml	97
59) Hexachlorobenzene	12.45	284	153025	5.171	ug/ml	98
60] Pentachlorophenol	12.91	266	88042	4.205	ug/ml	96
61] Phenanthrene	13.39	178	614641	5.055	ug/ml	99
62] Anthracene	13.51	178	617400	5.184	ug/ml	98
63] Carbazole	13.92	167	478781	5.252	ug/ml	99
64) Di-n-butyl phthalate	14.93	149	611158	4.688	ug/ml	99
65] Fluoranthene	16.19	202	734197	5.310	ug/ml	99
67) Benzidine	16.62	184	196388	4.750	ug/ml	95
68] Pyrene	16.72	202	759895	5.049	ug/ml	98
70) Benzyl butyl phthalate	18.52	149	233428	4.668	ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

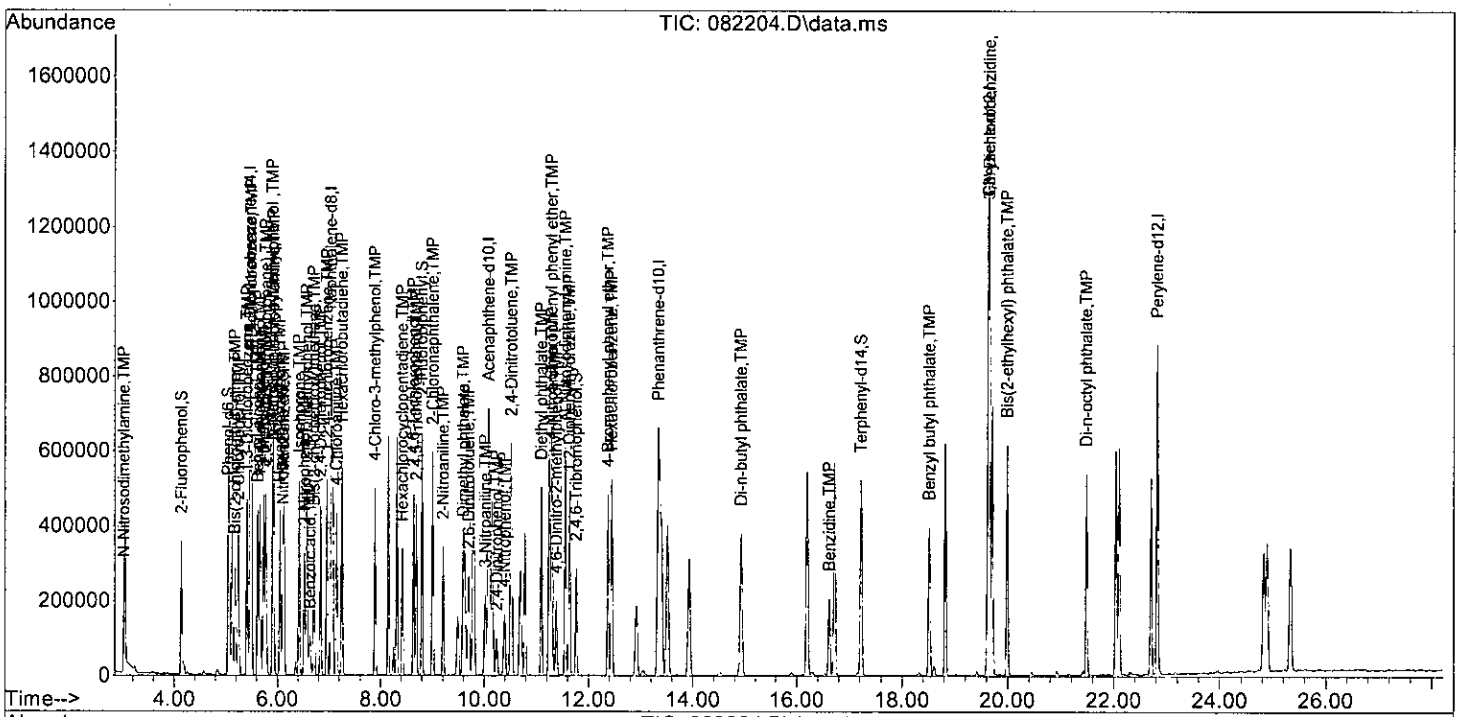
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.66	252	144839	5.200	ug/ml	95
72] Benz(a)anthracene	19.62	228	669315	5.183	ug/ml	98
73] Chrysene	19.71	228	647122	5.131	ug/ml	99
74) Bis(2-ethylhexyl) phth...	19.99	149	333543	4.715	ug/ml	99
76) Di-n-octyl phthalate	21.48	149	482661	4.574	ug/ml	100
77] Benzo(a)pyrene	22.70	252	521267	5.090	ug/ml	99
78] Benzo(b)fluoranthene	22.04	252	629906	5.009	ug/ml	100
79] Benzo(k)fluoranthene	22.10	252	605111	5.008	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	24.82	276	441423m	5.242	ug/ml	
81] Dibenz(a,h)anthracene	24.88	278	463061	5.503	ug/ml	98
82] Benzo(g,h,i)perylene	25.32	276	476953	5.425	ug/ml	100

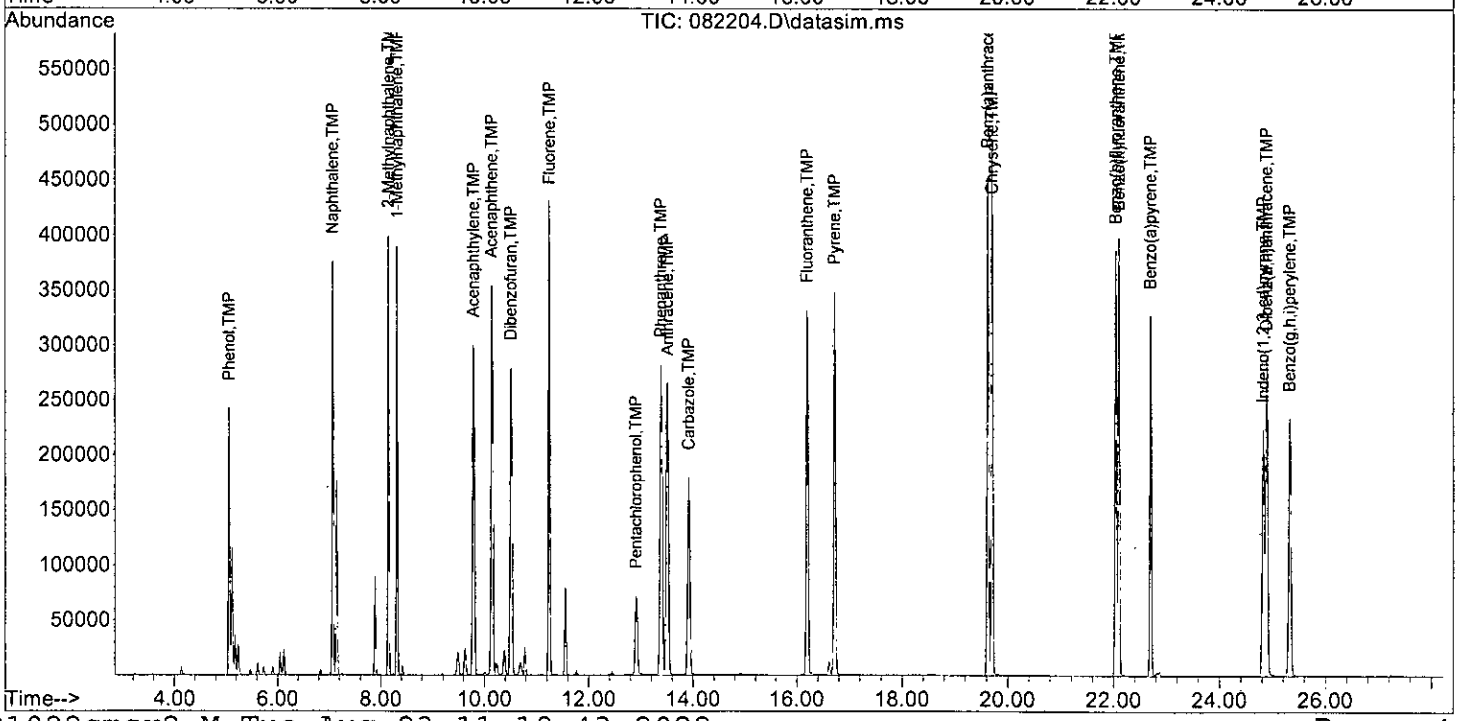
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	8.000	8.000	0.0	94	0.00
2	TMP	N-Nitrosodimethylamine	5.000	5.239	-4.8	103	0.00
3	S	2-Fluorophenol	5.000	4.851	3.0	96	0.00
4	S	Phenol-d6	5.000	4.922	1.6	92	0.00
5	TMP	Phenol	5.000	5.033	-0.7	98	0.00
6	TMP	Bis(2-chloroethyl) ether	5.000	4.889	2.2	98	0.00
7	TMP	2-Chlorophenol	5.000	4.935	1.3	96	0.00
8	TMP	1,3-Dichlorobenzene	5.000	5.048	-1.0	99	0.00
9	TMP	1,4-Dichlorobenzene	5.000	5.020	-0.4	95	0.00
10	TMP	1,2-Dichlorobenzene	5.000	4.869	2.6	95	0.00
11	TMP	Benzyl alcohol	5.000	4.865	2.7	96	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	5.000	5.001	-0.0	98	0.00
13	TMP	2-Methylphenol	5.000	4.961	0.8	94	0.00
14	TMP	Hexachloroethane	5.000	4.987	0.3	101	0.00
15	TMP	N-Nitroso-di-n-propylamine	5.000	5.006	-0.1	101	0.00
16	TMP	3-Methylphenol + 4-Methylph	5.000	5.034	-0.7	97	0.00
17	I	Naphthalene-d8	8.000	8.000	0.0	99	0.00
18	S	Nitrobenzene-d5	5.000	4.941	1.2	98	0.00
19	TMP	Nitrobenzene	5.000	4.977	0.5	94	0.00
20	TMP	Isophorone	5.000	5.073	-1.5	101	0.00
21	TMP	2-Nitrophenol	5.000	5.015	-0.3	107	0.00
22	TMP	2,4-Dimethylphenol	5.000	4.811	3.8	98	0.00
23	TMP	Benzoic acid	5.000	4.056	18.9	68	0.00
24	TMP	Bis(2-chloroethoxy)methane	5.000	4.876	2.5	97	0.00
25	TMP	2,4-Dichlorophenol	5.000	4.951	1.0	97	0.00
26	TMP	1,2,4-Trichlorobenzene	5.000	4.941	1.2	98	0.00
27	TMP	Naphthalene	5.000	4.919	1.6	98	0.00
28	TMP	Hexachlorobutadiene	5.000	5.119	-2.4	102	0.00
29	TMP	4-Chloroaniline	5.000	4.960	0.8	99	0.00
30	TMP	4-Chloro-3-methylphenol	5.000	4.716	5.7	95	0.00
31	TMP	2-Methylnaphthalene	5.000	4.969	0.6	98	0.00
32	TMP	1-Methylnaphthalene	5.000	4.993	0.1	98	0.00
33	I	Acenaphthene-d10	8.000	8.000	0.0	99	0.00
34	TMP	Hexachlorocyclopentadiene	5.000	4.044	19.1	76	0.00
35	TMP	2,4,6-Trichlorophenol	5.000	4.665	6.7	96	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	5.000	4.757	4.9	95	0.00
37	S	2-Fluorobiphenyl	5.000	4.941	1.2	99	0.00
38	TMP	2-Chloronaphthalene	5.000	4.855	2.9	99	0.00
39	TMP	2-Nitroaniline	5.000	4.804	3.9	101	0.00
40	TMP	Dimethyl phthalate	5.000	4.978	0.4	102	0.00
41	TMP	Acenaphthylene	5.000	5.007	-0.1	98	0.00
42	TMP	2,6-Dinitrotoluene	5.000	5.367	-7.3	106	0.00
43	TMP	3-Nitroaniline	5.000	4.978	0.4	96	0.00
44	TMP	Acenaphthene	5.000	4.964	0.7	100	0.00
45	TMP	2,4-Dinitrophenol	5.000	3.888	22.2#	82	0.00
46	TMP	Dibenzofuran	5.000	4.449	11.0	86	0.00
47	TMP	2,4-Dinitrotoluene	5.000	4.890	2.2	97	0.00
48	TMP	4-Nitrophenol	5.000	4.668	6.6	97	0.00
49	TMP	Diethyl phthalate	5.000	5.046	-0.9	101	0.00
50	TMP	Fluorene	5.000	5.009	-0.2	99	0.00
51	TMP	4-Chlorophenyl phenyl ether	5.000	4.967	0.7	94	0.00
52	TMP	1,2-Diphenylhydrazine	5.000	4.912	1.8	100	0.00
53	S	2,4,6-Tribromophenol	5.000	4.611	7.8	96	0.00
54	I	Phenanthrene-d10	8.000	8.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	5.000	4.842	3.2	95	0.00
56	TMP	4-Nitroaniline	5.000	4.937	1.3	100	0.00
57	TMP	4,6-Dinitro-2-methylphenol	5.000	4.521	9.6	86	0.00
58	TMP	4-Bromophenyl phenyl ether	5.000	4.964	0.7	97	0.00
59	TMP	Hexachlorobenzene	5.000	5.171	-3.4	99	0.00
60	TMP	Pentachlorophenol	5.000	4.205	15.9	87	0.00
61	TMP	Phenanthrene	5.000	5.055	-1.1	99	0.00
62	TMP	Anthracene	5.000	5.184	-3.7	100	0.00
63	TMP	Carbazole	5.000	5.252	-5.0	100	0.00
64	TMP	Di-n-butyl phthalate	5.000	4.688	6.2	78	0.00
65	TMP	Fluoranthene	5.000	5.310	-6.2	101	0.00
66	I	Chrysene-d12	8.000	8.000	0.0	102	0.00
67	TMP	Benzidine	5.000	4.750	5.0	106	0.00
68	TMP	Pyrene	5.000	5.049	-1.0	102	0.00
69	S	Terphenyl-d14	5.000	4.895	2.1	102	0.00
70	TMP	Benzyl butyl phthalate	5.000	4.668	6.6	98	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	5.000	5.200	-4.0	104	0.00
72	TMP	Benz(a)anthracene	5.000	5.183	-3.7	103	0.00
73	TMP	Chrysene	5.000	5.131	-2.6	104	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	5.000	4.715	5.7	100	0.00
75	I	Perylene-d12	8.000	8.000	0.0	107	0.00
76	TMP	Di-n-octyl phthalate	5.000	4.574	8.5	98	0.00
77	TMP	Benzo(a)pyrene	5.000	5.090	-1.8	107	0.00
78	TMP	Benzo(b)fluoranthene	5.000	5.009	-0.2	108	0.00
79	TMP	Benzo(k)fluoranthene	5.000	5.008	-0.2	104	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	5.000	5.242	-4.8	110	0.00
81	TMP	Dibenz(a,h)anthracene	5.000	5.503	-10.1	116	0.00
82	TMP	Benzo(g,h,i)perylene	5.000	5.425	-8.5	115	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2	TMP	N-Nitrosodimethylamine	0.662	0.694	-4.8	103	0.00
3	S	2-Fluorophenol	1.064	1.032	3.0	96	0.00
4	S	Phenol-d6	1.279	1.259	1.6	92	0.00
5	TMP	Phenol	1.625	1.636	-0.7	98	0.00
6	TMP	Bis(2-chloroethyl) ether	1.254	1.226	2.2	98	0.00
7	TMP	2-Chlorophenol	1.210	1.194	1.3	96	0.00
8	TMP	1,3-Dichlorobenzene	1.446	1.460	-1.0	99	0.00
9	TMP	1,4-Dichlorobenzene	1.421	1.427	-0.4	95	0.00
10	TMP	1,2-Dichlorobenzene	1.413	1.376	2.6	95	0.00
11	TMP	Benzyl alcohol	0.768	0.747	2.7	96	0.00
12	TMP	2,2'-Oxybis(1-chloropropane	3.100	3.100	0.0	98	0.00
13	TMP	2-Methylphenol	1.055	1.047	0.8	94	0.00
14	TMP	Hexachloroethane	0.629	0.628	0.2	101	0.00
15	TMP	N-Nitroso-di-n-propylamine	0.875	0.876	-0.1	101	0.00
16	TMP	3-Methylphenol + 4-Methylph	1.090	1.097	-0.6	97	0.00
17	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
18	S	Nitrobenzene-d5	0.401	0.396	1.2	98	0.00
19	TMP	Nitrobenzene	0.414	0.412	0.5	94	0.00
20	TMP	Isophorone	0.690	0.700	-1.4	101	0.00
21	TMP	2-Nitrophenol	0.173	0.173	0.0	107	0.00
22	TMP	2,4-Dimethylphenol	0.379	0.365	3.7	98	0.00
23	TMP	Benzoic acid	0.178	0.086	51.7#	68	0.00
24	TMP	Bis(2-chloroethoxy)methane	0.433	0.423	2.3	97	0.00
25	TMP	2,4-Dichlorophenol	0.319	0.316	0.9	97	0.00
26	TMP	1,2,4-Trichlorobenzene	0.400	0.396	1.0	98	0.00
27	TMP	Naphthalene	1.188	1.169	1.6	98	0.00
28	TMP	Hexachlorobutadiene	0.313	0.320	-2.2	102	0.00
29	TMP	4-Chloroaniline	0.433	0.430	0.7	99	0.00
30	TMP	4-Chloro-3-methylphenol	0.322	0.303	5.9	95	0.00
31	TMP	2-Methylnaphthalene	0.757	0.752	0.7	98	0.00
32	TMP	1-Methylnaphthalene	0.726	0.725	0.1	98	0.00
33	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
34	TMP	Hexachlorocyclopentadiene	0.538	0.435	19.1	76	0.00
35	TMP	2,4,6-Trichlorophenol	0.482	0.449	6.8	96	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	TMP	2,4,5-Trichlorophenol	0.504	0.480	4.8	95	0.00
37	S	2-Fluorobiphenyl	1.406	1.390	1.1	99	0.00
38	TMP	2-Chloronaphthalene	1.237	1.201	2.9	99	0.00
39	TMP	2-Nitroaniline	0.437	0.420	3.9	101	0.00
40	TMP	Dimethyl phthalate	1.457	1.451	0.4	102	0.00
41	TMP	Acenaphthylene	2.125	2.128	-0.1	98	0.00
42	TMP	2,6-Dinitrotoluene	0.264	0.299	-13.3	106	0.00
43	TMP	3-Nitroaniline	0.498	0.495	0.6	96	0.00
44	TMP	Acenaphthene	1.489	1.478	0.7	100	0.00
45	TMP	2,4-Dinitrophenol	0.159	0.113	28.9#	82	0.00
46	TMP	Dibenzofuran	2.346	2.087	11.0	86	0.00
47	TMP	2,4-Dinitrotoluene	0.373	0.365	2.1	97	0.00
48	TMP	4-Nitrophenol	0.297	0.259	12.8	97	0.00
49	TMP	Diethyl phthalate	1.527	1.541	-0.9	101	0.00
50	TMP	Fluorene	1.536	1.538	-0.1	99	0.00
51	TMP	4-Chlorophenyl phenyl ether	0.747	0.742	0.7	94	0.00
52	TMP	1,2-Diphenylhydrazine	1.356	1.332	1.8	100	0.00
53	S	2,4,6-Tribromophenol	0.293	0.270	7.8	96	0.00
54	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
55	TMP	N-Nitrosodiphenylamine	0.560	0.542	3.2	95	0.00
56	TMP	4-Nitroaniline	0.087	0.086	1.1	100	0.00
57	TMP	4,6-Dinitro-2-methylphenol	0.101	0.087	13.9	86	0.00
58	TMP	4-Bromophenyl phenyl ether	0.242	0.240	0.8	97	0.00
59	TMP	Hexachlorobenzene	0.293	0.303	-3.4	99	0.00
60	TMP	Pentachlorophenol	0.207	0.174	15.9	87	0.00
61	TMP	Phenanthrene	1.202	1.215	-1.1	99	0.00
62	TMP	Anthracene	1.177	1.221	-3.7	100	0.00
63	TMP	Carbazole	0.901	0.947	-5.1	100	0.00
64	TMP	Di-n-butyl phthalate	1.289	1.208	6.3	78	0.00
65	TMP	Fluoranthene	1.367	1.452	-6.2	101	0.00
66	I	Chrysene-d12	1.000	1.000	0.0	102	0.00
67	TMP	Benzidine	0.460	0.437	5.0	106	0.00
68	TMP	Pyrene	1.674	1.690	-1.0	102	0.00
69	S	Terphenyl-d14	1.068	1.046	2.1	102	0.00
70	TMP	Benzyl butyl phthalate	0.556	0.519	6.7	98	0.00

Evaluate Continuing Calibration Report

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

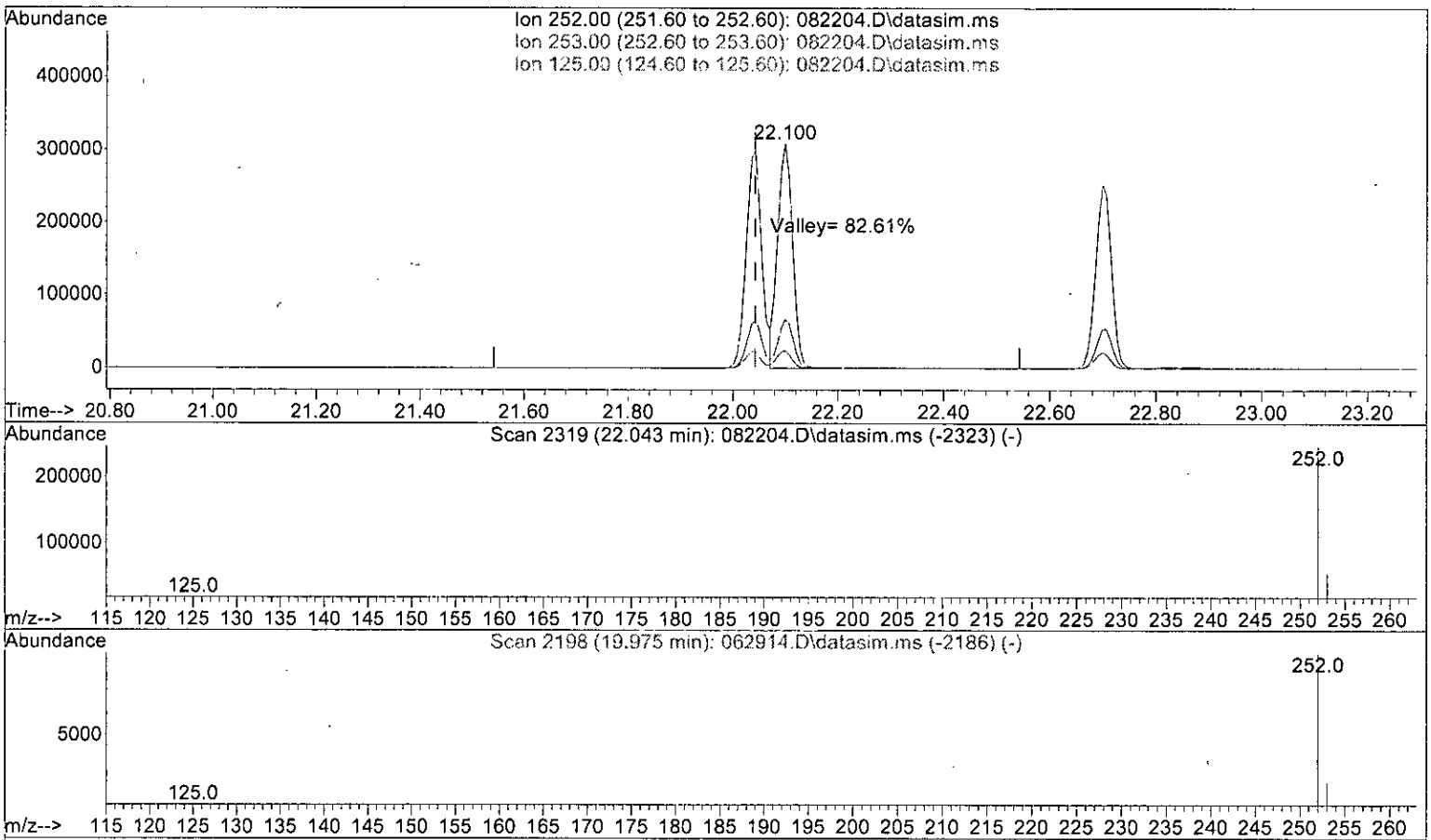
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
71	TMP	3,3'-Dichlorobenzidine	0.310	0.322	-3.9	104	0.00
72	TMP	Benz(a)anthracene	1.637	1.489	9.0	103	0.00
73	TMP	Chrysene	1.403	1.439	-2.6	104	0.00
74	TMP	Bis(2-ethylhexyl) phthalate	0.787	0.742	5.7	100	0.00
75	I	Perylene-d12	1.000	1.000	0.0	107	0.00
76	TMP	Di-n-octyl phthalate	1.423	1.153	19.0	98	0.00
77	TMP	Benzo(a)pyrene	1.223	1.245	-1.8	107	0.00
78	TMP	Benzo(b)fluoranthene	1.502	1.505	-0.2	108	0.00
79	TMP	Benzo(k)fluoranthene	1.443	1.445	-0.1	104	0.00
80	TMP	Indeno(1,2,3-cd)pyrene	1.006	1.054	-4.8	110	0.00
81	TMP	Dibenz(a,h)anthracene	1.005	1.106	-10.0	116	0.00
82	TMP	Benzo(g,h,i)perylene	1.050	1.139	-8.5	115	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082204.D
Acq On : 22 Aug 2022 9:56 am
Operator : VM
Sample : 5 ug/ml 8270 CCV 67-21H
Misc :
ALS Vial : 101 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:23:13 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(78) Benzo(b)fluoranthene (TMP)

22.043min (-0.000) 5.009 ug/ml

response 629906

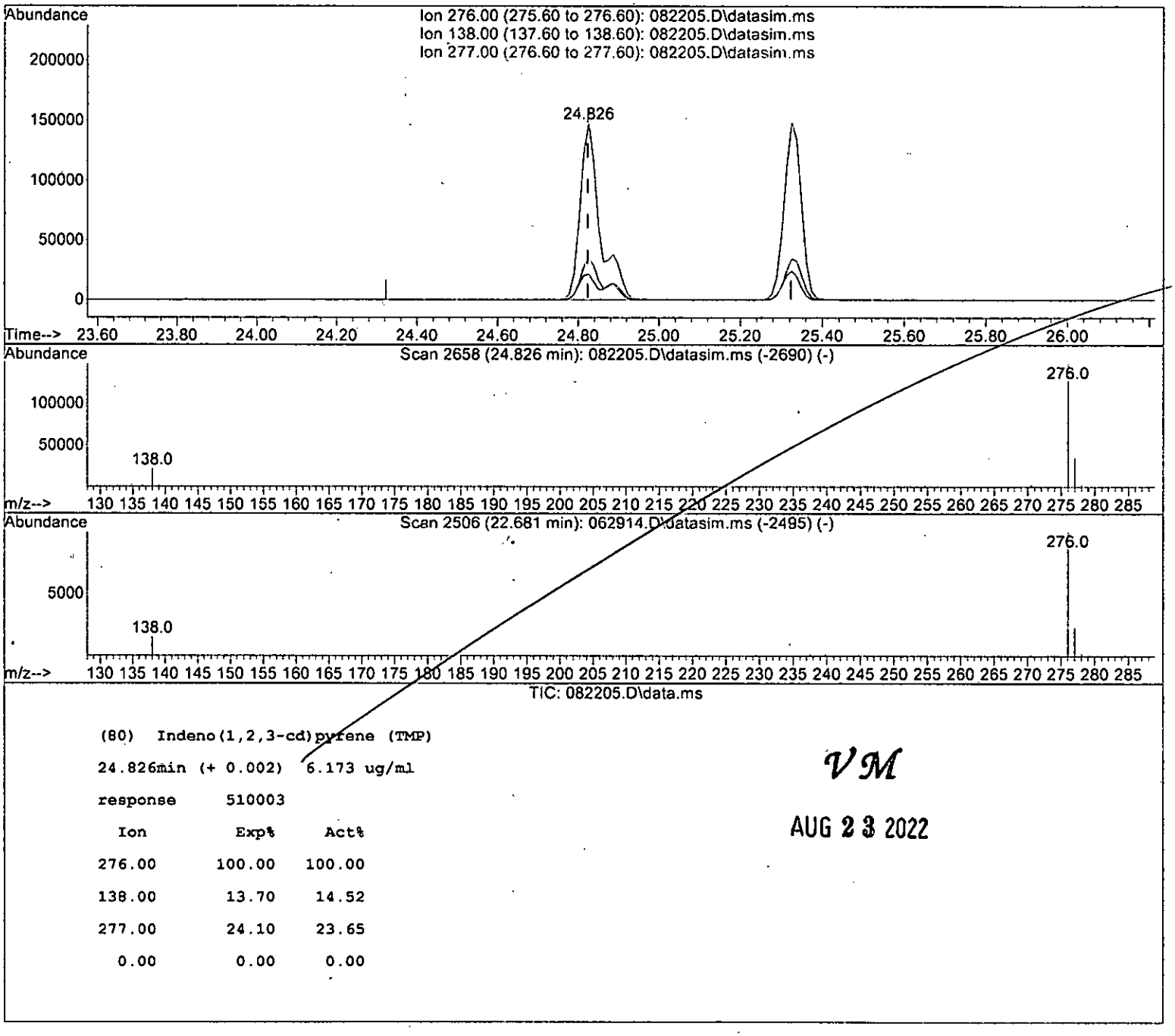
Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.80	21.92
125.00	7.60	7.43
0.00	0.00	0.00

EPA 8270E
Quality Assurance Data

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082205.D
Acq On : 22 Aug 2022 12:27 pm
Operator : VM
Sample : 02-2017 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:18:19 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(80) Indeno(1,2,3-cd)pyrene (TMP)

24.826min (+ 0.002) 6.173 ug/ml

response 510003

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.52
277.00	24.10	23.65
0.00	0.00	0.00

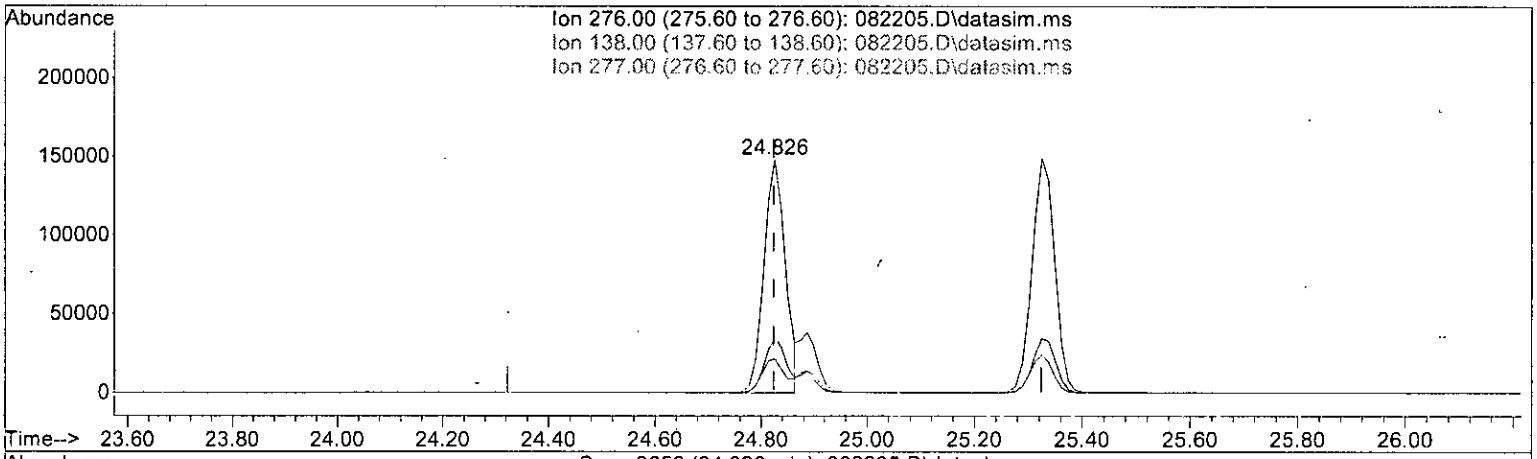
VM

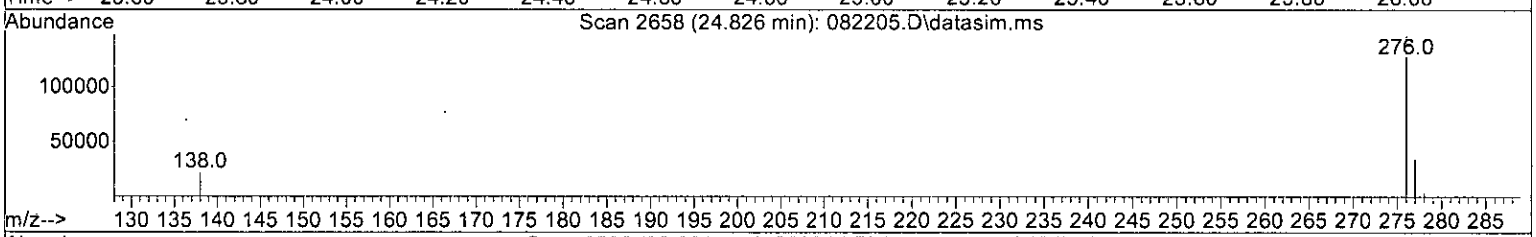
AUG 23 2022

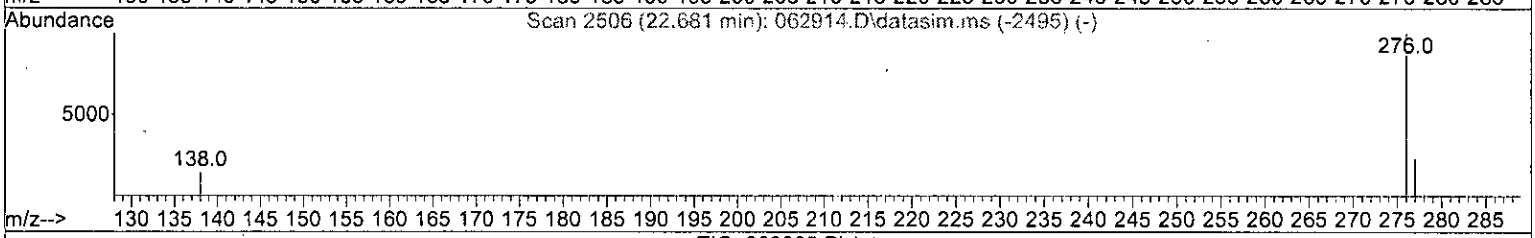
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082205.D
Acq On : 22 Aug 2022 12:27 pm
Operator : VM
Sample : 02-2017 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:18:19 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 082205.D\data.ms

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.826min (+ 0.002) 5.041 ug/ml m

response 416494

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.56
277.00	24.10	23.68
0.00	0.00	0.00

VM

AUG 23 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082205.D
Acq On : 22 Aug 2022 12:27 pm
Operator : VM
Sample : 02-2017 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:24:33 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.47	152	269989	8.000	ug/ml	0.00
17) Naphthalene-d8	7.04	136	869391	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.09	164	473106	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.34	188	875348	8.000	ug/ml	0.00
66) Chrysene-d12	19.65	240	755258	8.000	ug/ml	0.00
75) Perylene-d12	22.83	264	657187	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.14	112	132551	3.692	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 24.60%			
4) Phenol-d6	5.04	99	99249	2.300	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 15.33%			
18) Nitrobenzene-d5	6.10	82	421851	9.679	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 96.80%			
37) 2-Fluorobiphenyl	8.80	172	750529	9.025	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 90.20%			
53) 2,4,6-Tribromophenol	11.77	330	242254	13.990	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 93.27%			
69) Terphenyl-d14	17.23	244	1059574	10.504	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 105.00%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.03	74	32290	1.444	ug/ml	95
5] Phenol	5.06	94	42024	0.766	ug/ml	94
6) Bis(2-chloroethyl) ether	5.17	63	191294	4.520	ug/ml	98
7) 2-Chlorophenol	5.24	128	144262	3.534	ug/ml	95
8) 1,3-Dichlorobenzene	5.41	146	206851	4.240	ug/ml	98
9) 1,4-Dichlorobenzene	5.49	146	209878	4.376	ug/ml	98
10) 1,2-Dichlorobenzene	5.65	146	195896	4.109	ug/ml	96
11) Benzyl alcohol	5.62	108	341645	13.179	ug/ml	95
12) 2,2'-Oxybis(1-chloropr...	5.77	45	473688	4.528	ug/ml	99
13) 2-Methylphenol	5.73	108	95445	2.681	ug/ml	98
14) Hexachloroethane	6.05	117	92715	4.366	ug/ml	92
15) N-Nitroso-di-n-propyla...	5.92	70	142419	4.822	ug/ml	97
16) 3-Methylphenol + 4-Met...	5.90	108	85653	2.328	ug/ml	95
19) Nitrobenzene	6.12	77	211208	4.691	ug/ml	99
20) Isophorone	6.42	82	375755	5.009	ug/ml	97
21) 2-Nitrophenol	6.52	139	91418	4.872	ug/ml	88
22) 2,4-Dimethylphenol	6.57	107	164681	3.995	ug/ml	93
23) Benzoic acid	6.63	122	29279	3.259	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082205.D
Acq On : 22 Aug 2022 12:27 pm
Operator : VM
Sample : 02-2017 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:24:33 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	6.71	93	227439	4.830	ug/ml	99
25)	2,4-Dichlorophenol	6.83	162	157249	4.529	ug/ml	95
26)	1,2,4-Trichlorobenzene	6.96	180	190796	4.386	ug/ml	98
27]	Naphthalene	7.07	128	579122	4.486	ug/ml	100
28)	Hexachlorobutadiene	7.25	225	147910	4.355	ug/ml	94
29)	4-Chloroaniline	7.15	127	1103001	23.440	ug/ml	96
30)	4-Chloro-3-methylphenol	7.89	107	141552	4.051	ug/ml	97
31]	2-Methylnaphthalene	8.15	142	372734	4.533	ug/ml	96
32]	1-Methylnaphthalene	8.31	142	358873	4.548	ug/ml	99
34)	Hexachlorocyclopentadiene	8.42	237	138595	4.355	ug/ml	93
35)	2,4,6-Trichlorophenol	8.64	196	127360	4.471	ug/ml	93
36)	2,4,5-Trichlorophenol	8.69	196	138428	4.642	ug/ml	94
38)	2-Chloronaphthalene	9.01	162	347879	4.755	ug/ml	97
39)	2-Nitroaniline	9.22	65	640782	24.787	ug/ml	97
40)	Dimethyl phthalate	9.60	163	420269	4.878	ug/ml	97
41]	Acenaphthylene	9.80	152	599930	4.775	ug/ml	99
42)	2,6-Dinitrotoluene	9.70	165	87594	5.323	ug/ml	90
43)	3-Nitroaniline	10.03	65	696503	23.671	ug/ml	99
44]	Acenaphthene	10.15	153	412870	4.690	ug/ml	98
45)	2,4-Dinitrophenol	10.25	184	58600	6.256	ug/ml	92
46]	Dibenzofuran	10.52	168	582012	4.196	ug/ml	90
47)	2,4-Dinitrotoluene	10.53	165	99730	4.518	ug/ml	91
48)	4-Nitrophenol	10.39	65	23374	1.535	ug/ml	94
49)	Diethyl phthalate	11.10	149	429758	4.758	ug/ml	99
50]	Fluorene	11.25	166	422953	4.657	ug/ml	98
51)	4-Chlorophenyl phenyl ...	11.29	204	205372	4.649	ug/ml	98
52)	1,2-Diphenylhydrazine	11.63	77	370535	4.622	ug/ml	98
55)	N-Nitrosodiphenylamine	11.56	169	315093	5.146	ug/ml	99
56)	4-Nitroaniline	11.31	138	302044	31.702	ug/ml	98
57)	4,6-Dinitro-2-methylph...	11.39	198	49238	4.652	ug/ml	96
58)	4-Bromophenyl phenyl e...	12.38	248	131700	4.979	ug/ml	94
59)	Hexachlorobenzene	12.45	284	158691	4.958	ug/ml	96
60]	Pentachlorophenol	12.92	266	88588	3.911	ug/ml	99
61]	Phenanthrene	13.39	178	655068	4.980	ug/ml	99
62]	Anthracene	13.51	178	652254	5.063	ug/ml	98
63]	Carbazole	13.92	167	548834	5.566	ug/ml	99
64)	Di-n-butyl phthalate	14.92	149	649647	4.607	ug/ml	99
65]	Fluoranthene	16.20	202	775345	5.184	ug/ml	96
67)	Benzidine	16.62	184	32723	N.D.		
68]	Pyrene	16.73	202	792186	5.013	ug/ml	94
70)	Benzyl butyl phthalate	18.52	149	258163	4.917	ug/ml	98

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082205.D
Acq On : 22 Aug 2022 12:27 pm
Operator : VM
Sample : 02-2017 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:24:33 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

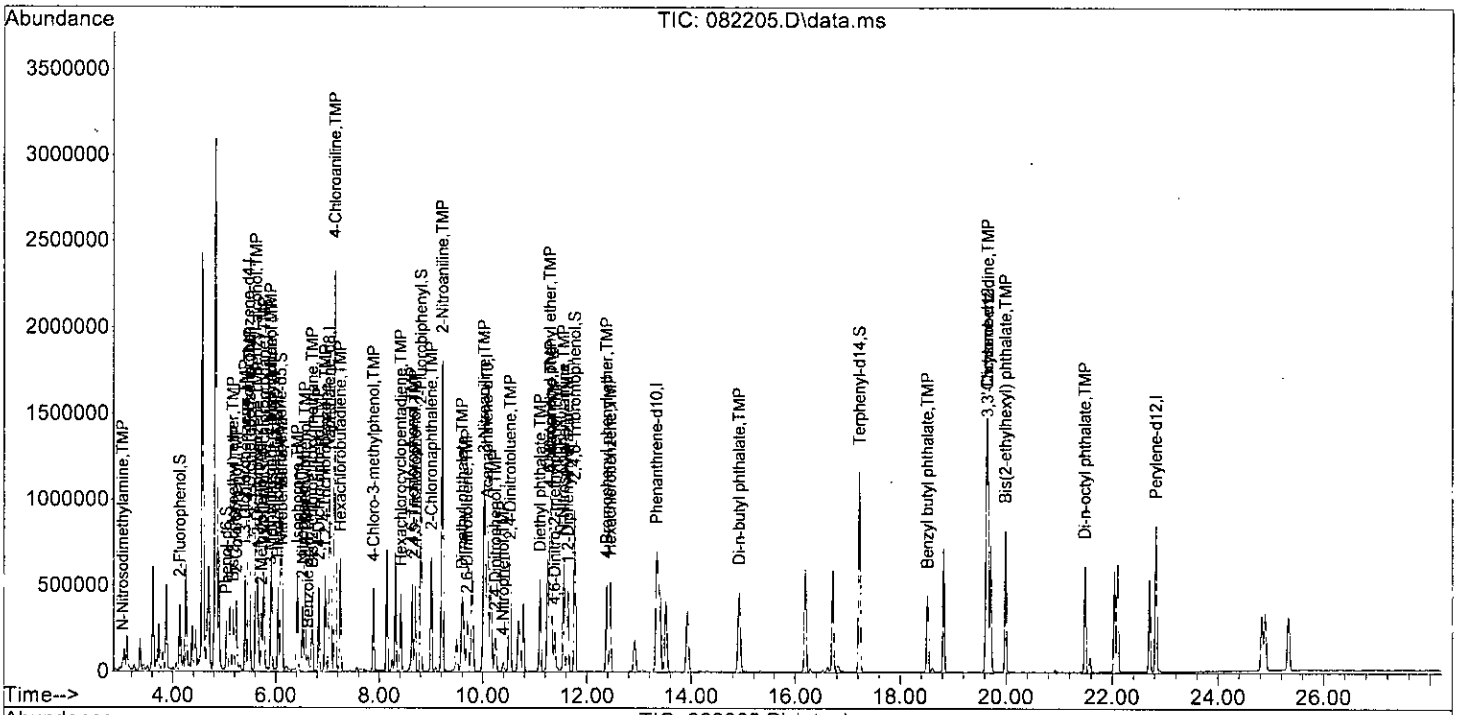
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.66	252	188490	6.445	ug/ml	91
72] Benz(a)anthracene	19.62	228	707940	5.221	ug/ml	98
73] Chrysene	19.71	228	670186	5.061	ug/ml	99
74) Bis(2-ethylhexyl) phth...	19.99	149	447764	6.028	ug/ml	99
76) Di-n-octyl phthalate	21.49	149	541191	5.167	ug/ml	99
77] Benzo(a)pyrene	22.70	252	519872	5.174	ug/ml	99
78] Benzo(b)fluoranthene	22.04	252	642658	5.208	ug/ml	100
79] Benzo(k)fluoranthene	22.10	252	616099	5.197	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	24.83	276	416494m	5.041	ug/ml	
81] Dibenz(a,h)anthracene	24.89	278	432667	5.241	ug/ml	99
82] Benzo(g,h,i)perylene	25.33	276	435457	5.048	ug/ml	99

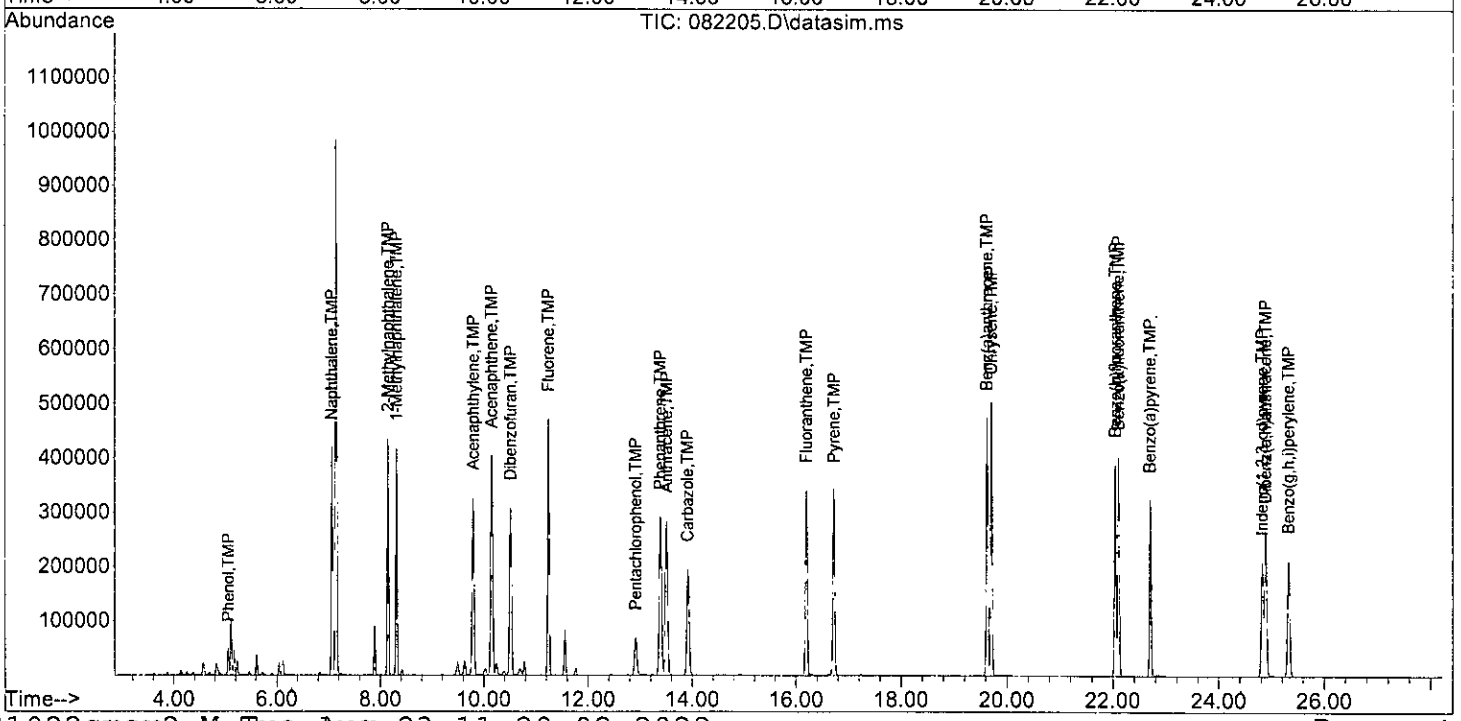
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082205.D
Acq On : 22 Aug 2022 12:27 pm
Operator : VM
Sample : 02-2017 lcs
Misc : water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:24:33 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

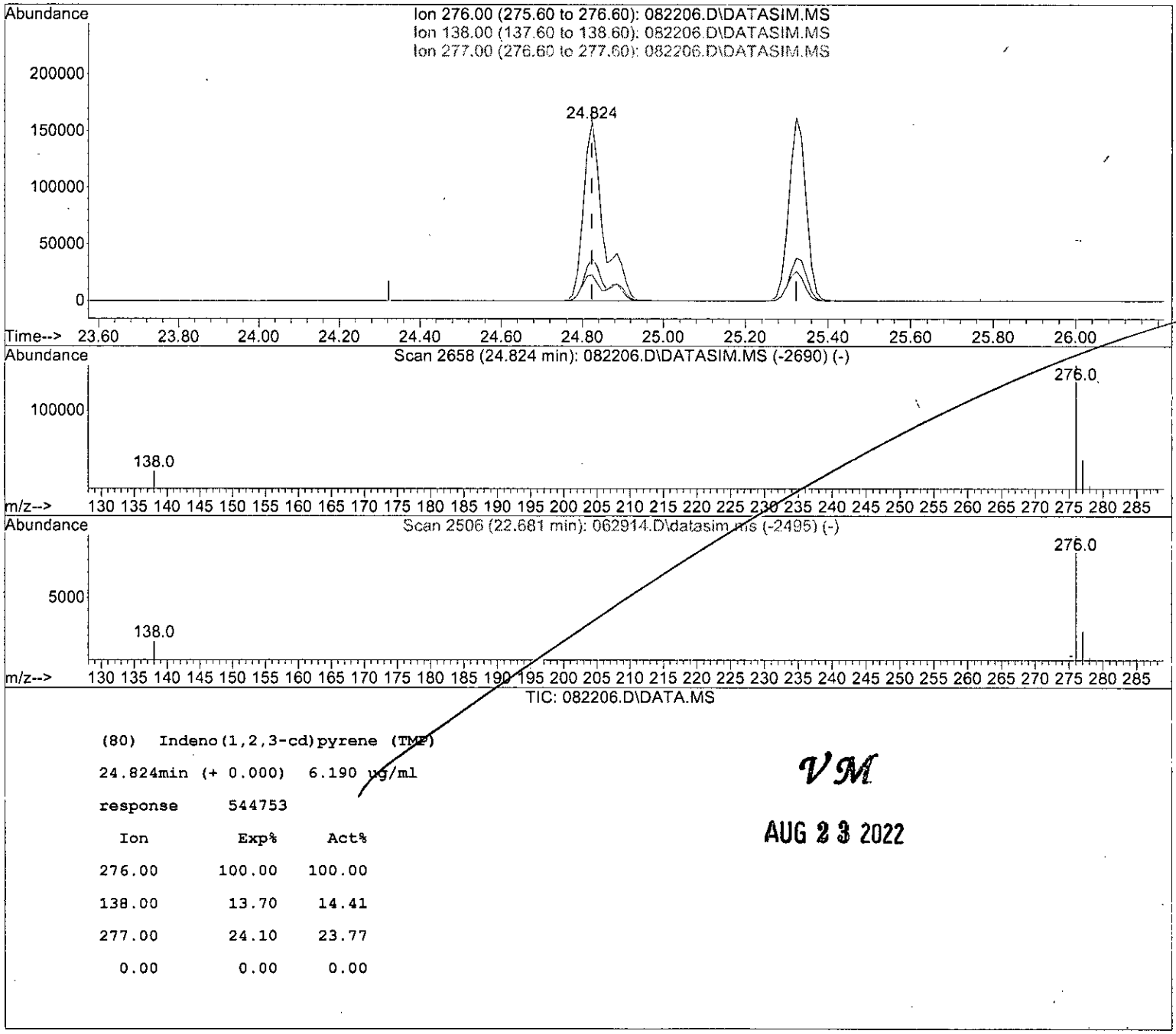




Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082206.D
Acq On : 22 Aug 2022 1:00 pm
Operator : VM
Sample : 02-2017 lcsd
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:18:24 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



(80) Indeno(1,2,3-cd)pyrene (TM2)

24.824min (+ 0.000) 6.190 ug/ml

response 544753

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.41
277.00	24.10	23.77
0.00	0.00	0.00

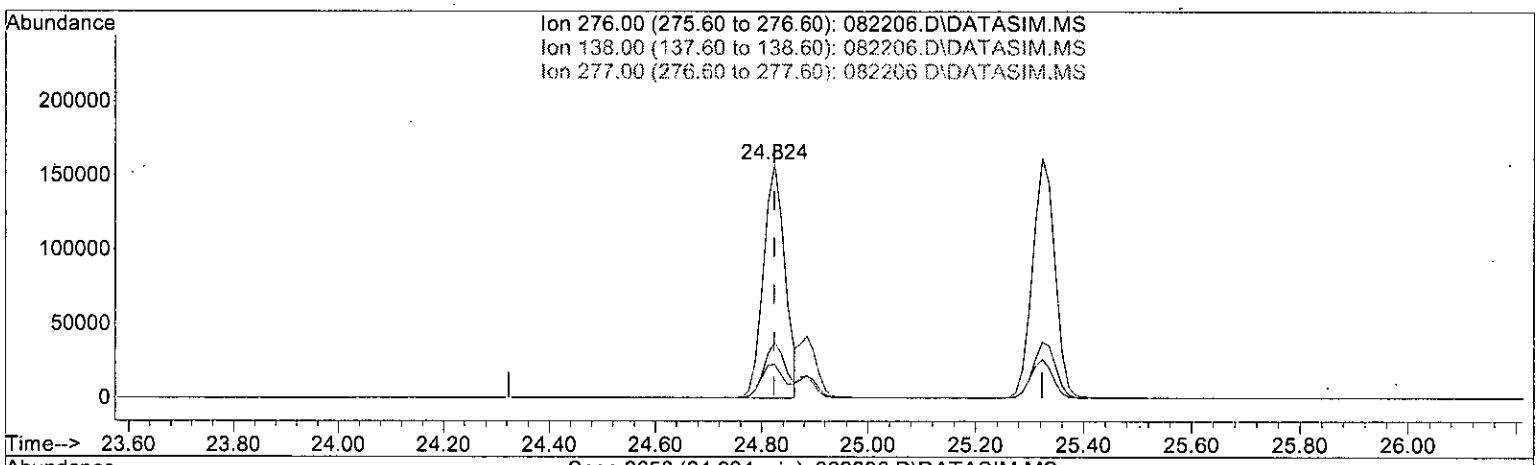
VM

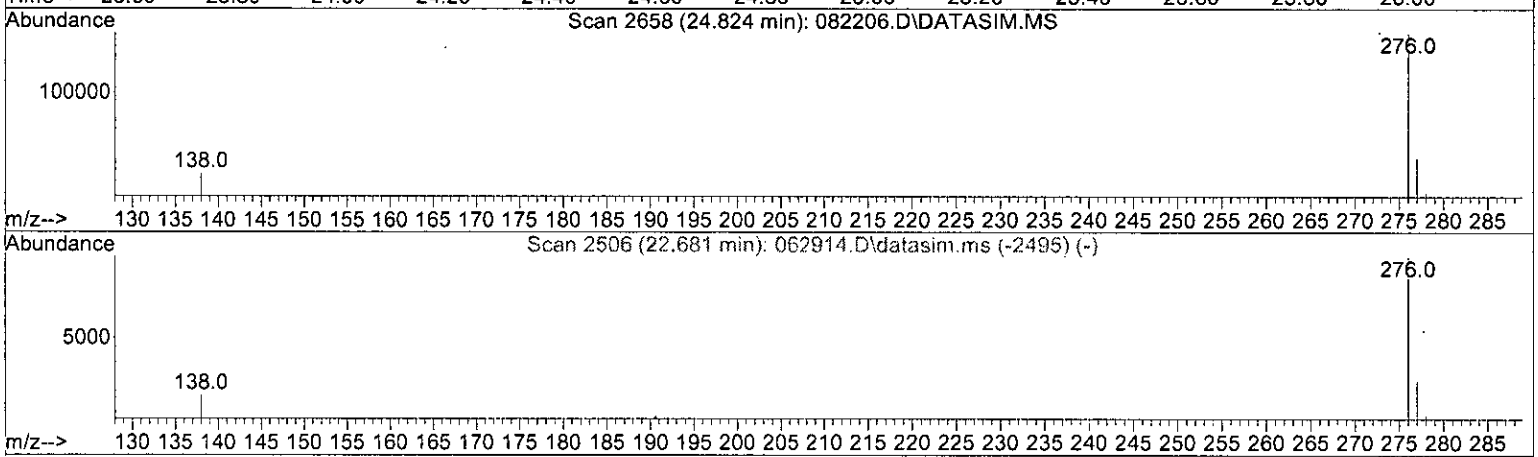
AUG 23 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082206.D
Acq On : 22 Aug 2022 1:00 pm
Operator : VM
Sample : 02-2017 lcsd
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:18:24 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 082206.D\DATA.MS

(80) Indeno(1,2,3-cd)pyrene (TMP)

24.824min (+ 0.000) 5.051 ug/ml m

response 444511

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	13.70	14.46
277.00	24.10	23.80
0.00	0.00	0.00

VM

AUG 23 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082206.D
Acq On : 22 Aug 2022 1:00 pm
Operator : VM
Sample : 02-2017 lcsd
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:24:59 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.47	152	267310	8.000	ug/ml	0.00
17) Naphthalene-d8	7.04	136	832813	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.10	164	459984	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.34	188	886479	8.000	ug/ml	0.00
66) Chrysene-d12	19.65	240	792713	8.000	ug/ml	0.00
75) Perylene-d12	22.83	264	700029	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.14	112	142160	3.999	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 26.67%			
4) Phenol-d6	5.04	99	93485	2.188	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 14.60%			
18) Nitrobenzene-d5	6.10	82	391265	9.371	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 93.70%			
37) 2-Fluorobiphenyl	8.80	172	743703	9.198	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 92.00%			
53) 2,4,6-Tribromophenol	11.77	330	255839	15.196	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 101.33%			
69) Terphenyl-d14	17.23	244	1116398	10.544	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 105.40%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	3.03	74	32314	1.460	ug/ml	96
5] Phenol	5.06	94	41312	0.761	ug/ml	98
6) Bis(2-chloroethyl) ether	5.18	63	187641	4.478	ug/ml	96
7) 2-Chlorophenol	5.24	128	146243	3.618	ug/ml	97
8) 1,3-Dichlorobenzene	5.41	146	194327	4.023	ug/ml	98
9) 1,4-Dichlorobenzene	5.49	146	193880	4.083	ug/ml	95
10) 1,2-Dichlorobenzene	5.65	146	191075	4.048	ug/ml	95
11) Benzyl alcohol	5.62	108	331972	12.934	ug/ml	95
12) 2,2'-Oxybis(1-chloropr...	5.77	45	443616	4.283	ug/ml	99
13) 2-Methylphenol	5.73	108	97000	2.752	ug/ml	97
14) Hexachloroethane	6.05	117	82903	3.943	ug/ml	93
15) N-Nitroso-di-n-propyla...	5.92	70	132844	4.543	ug/ml	98
16) 3-Methylphenol + 4-Met...	5.90	108	75310	2.068	ug/ml	96
19) Nitrobenzene	6.12	77	203053	4.708	ug/ml	98
20) Isophorone	6.42	82	355688	4.950	ug/ml	96
21) 2-Nitrophenol	6.52	139	86683	4.823	ug/ml	92
22) 2,4-Dimethylphenol	6.57	107	160786	4.072	ug/ml	97
23) Benzoic acid	6.64	122	70292	5.262	ug/ml	86

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082206.D
Acq On : 22 Aug 2022 1:00 pm
Operator : VM
Sample : 02-2017 lcsd
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:24:59 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	6.71	93	212567	4.713	ug/ml	97
25) 2,4-Dichlorophenol	6.83	162	149290	4.489	ug/ml	99
26) 1,2,4-Trichlorobenzene	6.96	180	181789	4.362	ug/ml	98
27] Naphthalene	7.07	128	554161	4.481	ug/ml	100
28) Hexachlorobutadiene	7.25	225	134879	4.146	ug/ml	96
29) 4-Chloroaniline	7.15	127	1030570	22.862	ug/ml	98
30) 4-Chloro-3-methylphenol	7.89	107	143715	4.294	ug/ml	96
31] 2-Methylnaphthalene	8.15	142	360565	4.578	ug/ml	97
32] 1-Methylnaphthalene	8.31	142	348379	4.609	ug/ml	100
34) Hexachlorocyclopentadiene	8.42	237	126150	4.077	ug/ml	89
35) 2,4,6-Trichlorophenol	8.64	196	135635	4.897	ug/ml	99
36) 2,4,5-Trichlorophenol	8.69	196	139830	4.823	ug/ml	94
38) 2-Chloronaphthalene	9.01	162	330886	4.652	ug/ml	100
39) 2-Nitroaniline	9.22	65	643346	25.596	ug/ml	96
40) Dimethyl phthalate	9.60	163	425989	5.085	ug/ml	97
41] Acenaphthylene	9.79	152	592919	4.853	ug/ml	100
42) 2,6-Dinitrotoluene	9.71	165	79638	4.995	ug/ml	94
43) 3-Nitroaniline	10.03	65	675695	23.619	ug/ml	98
44] Acenaphthene	10.15	153	408845	4.777	ug/ml	100
45) 2,4-Dinitrophenol	10.24	184	74976	7.954	ug/ml	89
46] Dibenzofuran	10.51	168	580136	4.301	ug/ml	83
47) 2,4-Dinitrotoluene	10.52	165	104122	4.851	ug/ml	96
48) 4-Nitrophenol	10.39	65	27619	1.838	ug/ml	93
49) Diethyl phthalate	11.10	149	426773	4.860	ug/ml	99
50] Fluorene	11.24	166	421552	4.774	ug/ml	98
51) 4-Chlorophenyl phenyl ...	11.30	204	208791	4.861	ug/ml	95
52) 1,2-Diphenylhydrazine	11.64	77	375784	4.821	ug/ml	97
55) N-Nitrosodiphenylamine	11.56	169	316775	5.109	ug/ml	98
56) 4-Nitroaniline	11.32	138	275965	28.601	ug/ml	97
57) 4,6-Dinitro-2-methylph...	11.39	198	51345	4.774	ug/ml	95
58) 4-Bromophenyl phenyl e...	12.37	248	127943	4.776	ug/ml	97
59) Hexachlorobenzene	12.45	284	157076	4.846	ug/ml	95
60] Pentachlorophenol	12.91	266	99486	4.337	ug/ml	96
61] Phenanthrene	13.39	178	661409	4.965	ug/ml	99
62] Anthracene	13.50	178	656904	5.035	ug/ml	100
63] Carbazole	13.92	167	549068	5.498	ug/ml	99
64) Di-n-butyl phthalate	14.93	149	673235	4.715	ug/ml	98
65] Fluoranthene	16.19	202	793430	5.238	ug/ml	100
67) Benzidine	0.00		0	N.D.		
68] Pyrene	16.72	202	817167	4.927	ug/ml	98
70) Benzyl butyl phthalate	18.52	149	280237	5.085	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082206.D
Acq On : 22 Aug 2022 1:00 pm
Operator : VM
Sample : 02-2017 lcsd
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:24:59 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

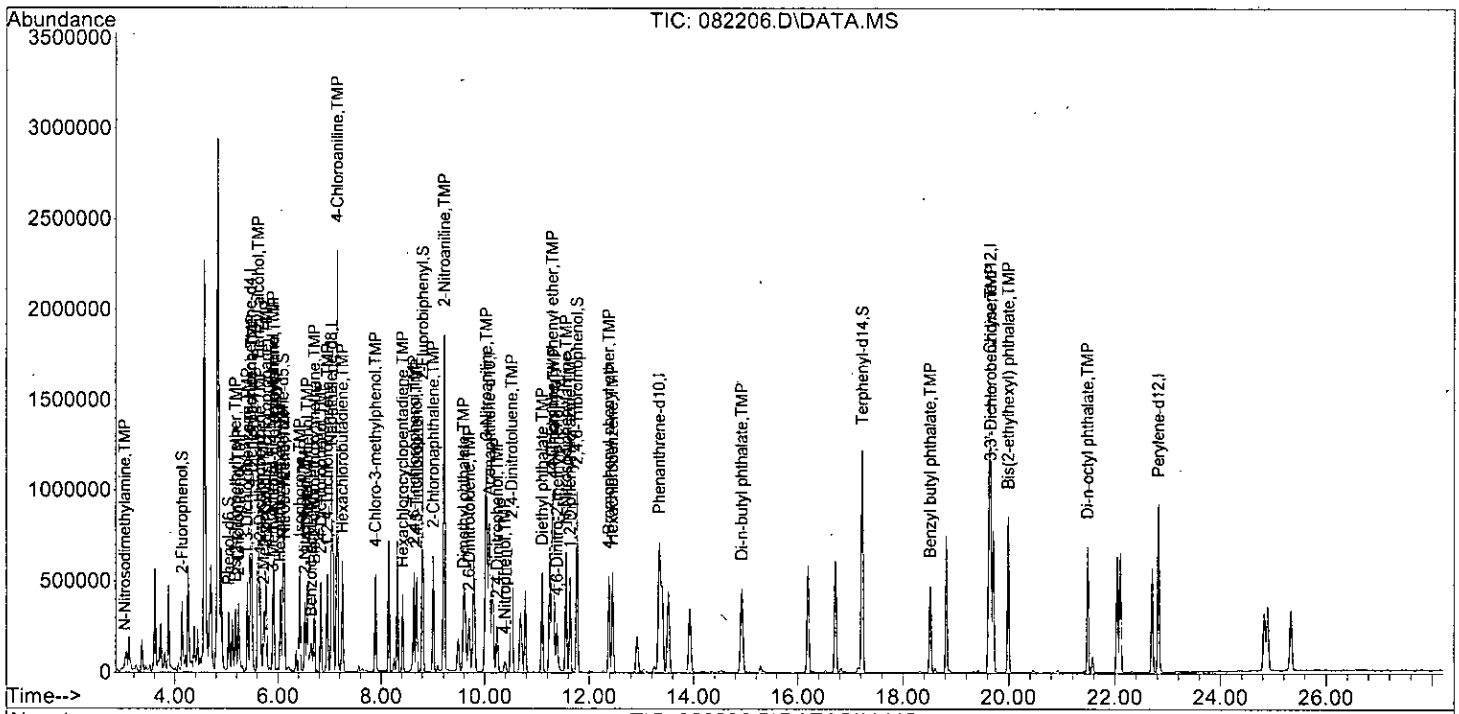
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.66	252	221691	7.222	ug/ml	97
72] Benz(a)anthracene	19.62	228	747829	5.254	ug/ml	98
73] Chrysene	19.71	228	711048	5.115	ug/ml	99
74) Bis(2-ethylhexyl) phth...	19.99	149	478387	6.136	ug/ml	99
76) Di-n-octyl phthalate	21.49	149	624261	5.555	ug/ml	97
77] Benzo(a)pyrene	22.70	252	557906	5.213	ug/ml	98
78] Benzo(b)fluoranthene	22.04	252	689949	5.249	ug/ml	100
79] Benzo(k)fluoranthene	22.10	252	661048	5.235	ug/ml	99
80] Indeno(1,2,3-cd)pyrene	24.82	276	444511m	5.051	ug/ml	
81] Dibenz(a,h)anthracene	24.89	278	462882	5.263	ug/ml	99
82] Benzo(g,h,i)perylene	25.32	276	466926	5.082	ug/ml	100

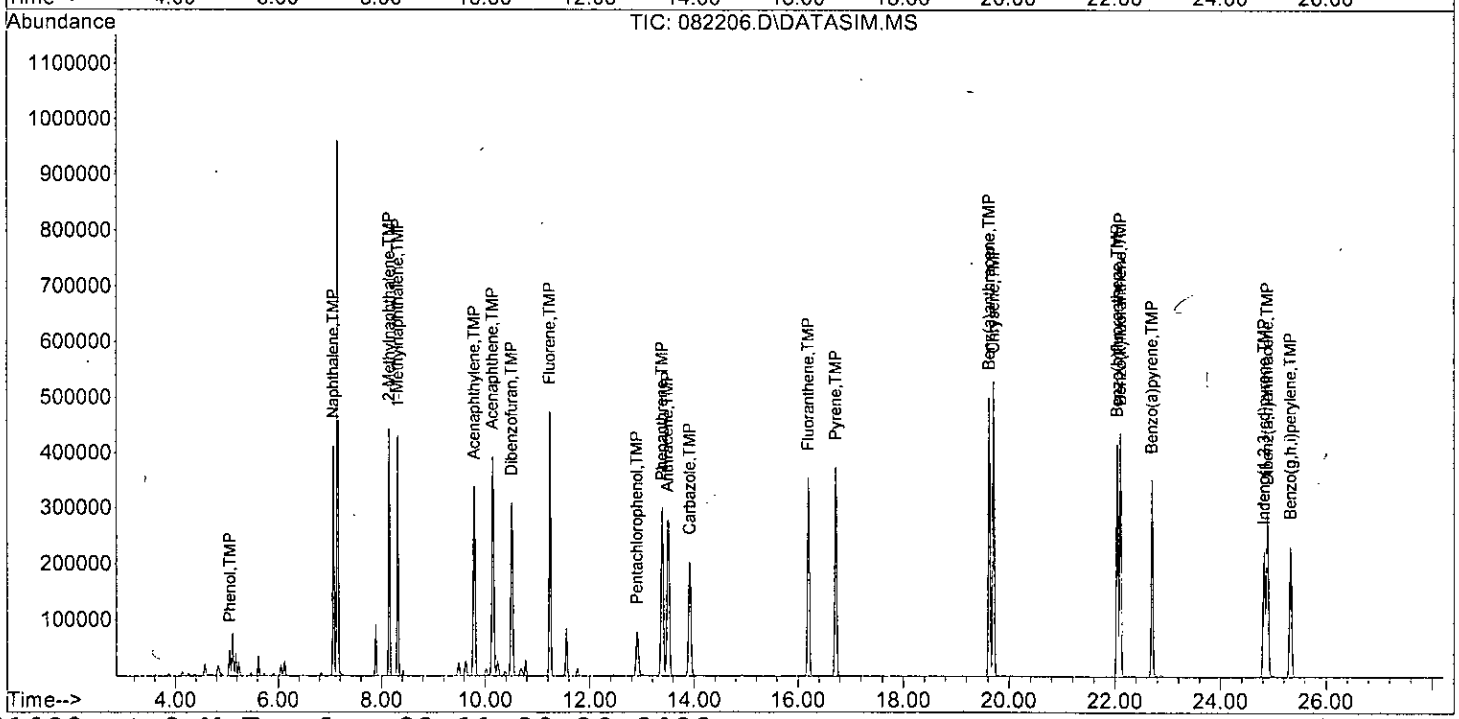
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082206.D
Acq On : 22 Aug 2022 1:00 pm
Operator : VM
Sample : 02-2017 lcsd
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:24:59 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082209.D
Acq On : 22 Aug 2022 2:03 pm
Operator : VM
Sample : 02-2017 mb
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:25:47 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.47	152	280971	8.000	ug/ml	0.00
17) Naphthalene-d8	7.04	136	883699	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.08	164	428983	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.34	188	782200	8.000	ug/ml	0.00
66) Chrysene-d12	19.64	240	626433	8.000	ug/ml	0.00
75) Perylene-d12	22.82	264	547318	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.14	112	152047	4.069	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 27.13%			
4) Phenol-d6	5.04	99	100700	2.242	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 14.93%			
18) Nitrobenzene-d5	6.09	82	429597	9.697	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 97.00%			
37) 2-Fluorobiphenyl	8.80	172	733792	9.731	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 97.30%			
53) 2,4,6-Tribromophenol	11.76	330	207851	13.238	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 88.27%			
69) Terphenyl-d14	17.22	244	898931	10.744	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 107.40%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.05	94	761	N.D.		
6) Bis(2-chloroethyl) ether	5.31	63	1955	N.D.		
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.		
9) 1,4-Dichlorobenzene	0.00		0	N.D.		
10) 1,2-Dichlorobenzene	0.00		0	N.D.		
11) Benzyl alcohol	0.00		0	N.D.		
12) 2,2'-Oxybis(1-chloropr...	5.77	45	711	N.D.		
13) 2-Methylphenol	0.00		0	N.D.		
14) Hexachloroethane	0.00		0	N.D.		
15) N-Nitroso-di-n-propyla...	5.83	70	1082	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.		
19) Nitrobenzene	6.09	77	2060	N.D.		
20) Isophorone	0.00		0	N.D.		
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	0.00		0	N.D.		
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082209.D
Acq On : 22 Aug 2022 2:03 pm
Operator : VM
Sample : 02-2017 mb
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:25:47 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	0.00		0	N.D.		
25) 2,4-Dichlorophenol	0.00		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
27) Naphthalene	7.07	128	609	N.D.		
28) Hexachlorobutadiene	0.00		0	N.D.		
29) 4-Chloroaniline	0.00		0	N.D.		
30) 4-Chloro-3-methylphenol	0.00		0	N.D.		
31) 2-Methylnaphthalene	8.15	142	197	N.D.		
32) 1-Methylnaphthalene	8.31	142	151	N.D.		
34) Hexachlorocyclopentadiene	0.00		0	N.D.		
35) 2,4,6-Trichlorophenol	0.00		0	N.D.		
36) 2,4,5-Trichlorophenol	0.00		0	N.D.		
38) 2-Chloronaphthalene	0.00		0	N.D.		
39) 2-Nitroaniline	9.09	65	453	N.D.		
40) Dimethyl phthalate	0.00		0	N.D.		
41) Acenaphthylene	0.00		0	N.D.		
42) 2,6-Dinitrotoluene	0.00		0	N.D.		d
43) 3-Nitroaniline	0.00		0	N.D.		
44) Acenaphthene	10.08	153	180	N.D.		
45) 2,4-Dinitrophenol	0.00		0	N.D.		
46) Dibenzofuran	10.51	168	361	N.D.		
47) 2,4-Dinitrotoluene	0.00		0	N.D.		
48) 4-Nitrophenol	0.00		0	N.D.		
49) Diethyl phthalate	11.09	149	9410	N.D.		
50) Fluorene	11.24	166	146	N.D.		
51) 4-Chlorophenyl phenyl ...	0.00		0	N.D.		
52) 1,2-Diphenylhydrazine	11.76	77	846	N.D.		
55) N-Nitrosodiphenylamine	0.00		0	N.D.		
56) 4-Nitroaniline	0.00		0	N.D.		
57) 4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58) 4-Bromophenyl phenyl e...	0.00		0	N.D.		
59) Hexachlorobenzene	0.00		0	N.D.		
60) Pentachlorophenol	12.92	266	1544	N.D.		
61) Phenanthrene	13.39	178	938	N.D.		
62) Anthracene	13.49	178	115	N.D.		
63) Carbazole	13.96	167	302	N.D.		
64) Di-n-butyl phthalate	14.92	149	8144	N.D.		
65) Fluoranthene	16.20	202	325	N.D.		
67) Benzidine	0.00		0	N.D.		
68) Pyrene	16.72	202	442	N.D.		
70) Benzyl butyl phthalate	18.51	149	658	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082209.D
Acq On : 22 Aug 2022 2:03 pm
Operator : VM
Sample : 02-2017 mb
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:25:47 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

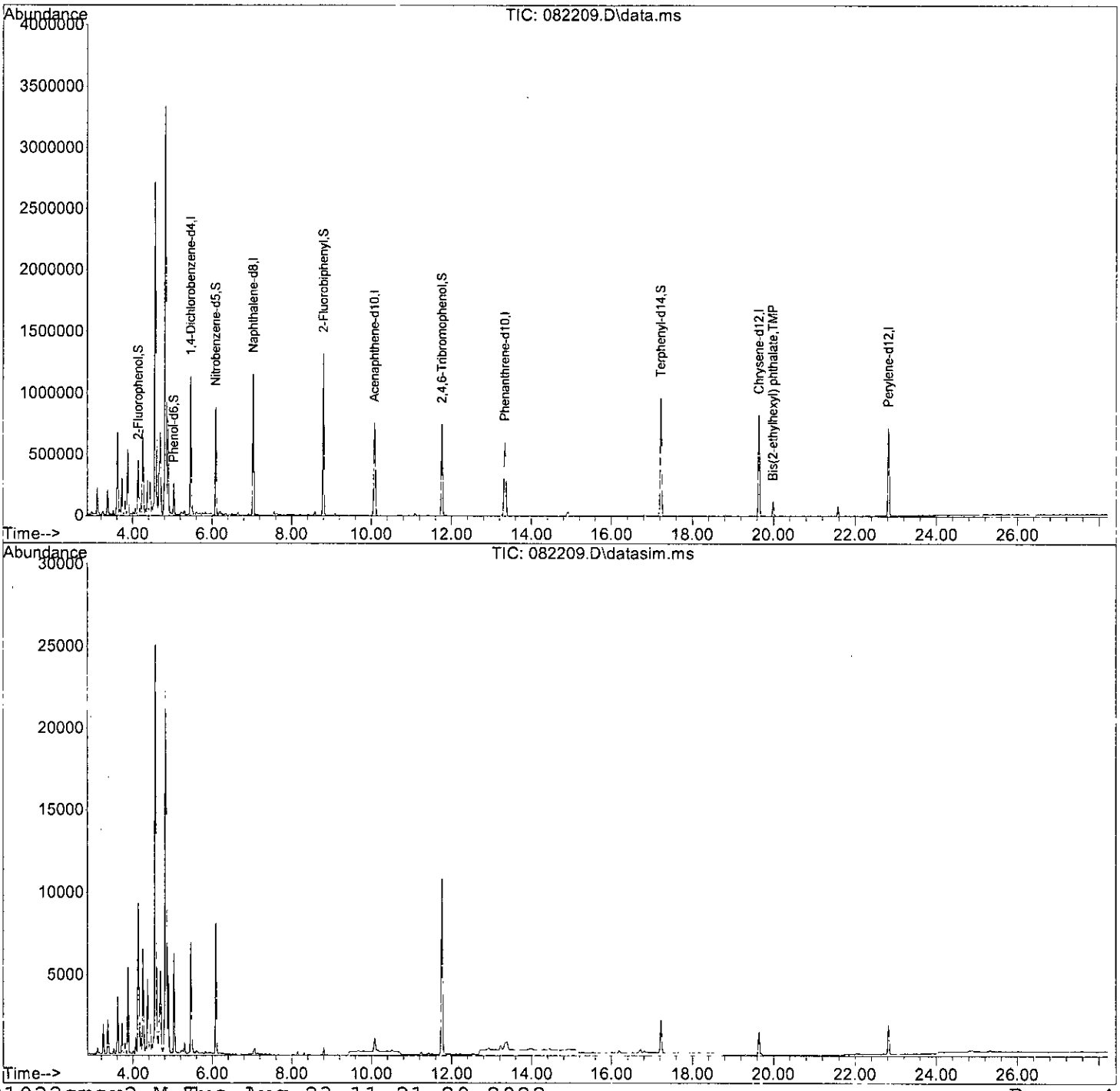
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72) Benz(a)anthracene	19.64	228	2113	N.D.		
73) Chrysene	19.70	228	140	N.D.		
74) Bis(2-ethylhexyl) phth...	19.99	149	67217	1.091	ug/ml	96
76) Di-n-octyl phthalate	21.49	149	1304	N.D.		
77) Benzo(a)pyrene	22.70	252	71	N.D.		
78) Benzo(b)fluoranthene	22.04	252	104	N.D.		
79) Benzo(k)fluoranthene	22.09	252	110	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.81	276	208	N.D.		
81) Dibenz(a,h)anthracene	24.89	278	195	N.D.		
82) Benzo(g,h,i)perylene	25.33	276	205	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082209.D
Acq On : 22 Aug 2022 2:03 pm
Operator : VM
Sample : 02-2017 mb
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:25:47 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



EPA 8270E
Sample Data

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082214.D
Acq On : 22 Aug 2022 4:49 pm
Operator : VM
Sample : 208257-01 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:32:25 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.47	152	263012	8.000	ug/ml	0.00
17) Naphthalene-d8	7.04	136	866279	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.08	164	485506	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.34	188	867426	8.000	ug/ml	0.00
66) Chrysene-d12	19.64	240	732462	8.000	ug/ml	0.00
75) Perylene-d12	22.83	264	653307	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.14	112	260634	7.451	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 49.67%			
4) Phenol-d6	5.04	99	199949	4.756	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 31.73%			
18) Nitrobenzene-d5	6.10	82	413804	9.528	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 95.30%			
37) 2-Fluorobiphenyl	8.81	172	674273	7.901	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 79.00%			
53) 2,4,6-Tribromophenol	11.77	330	245003	13.788	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 91.93%			
69) Terphenyl-d14	17.23	244	993847	10.159	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 101.60%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.06	94	1242	N.D.		
6) Bis(2-chloroethyl) ether	5.04	63	1034	N.D.		
7) 2-Chlorophenol	5.36	128	289	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.		
9) 1,4-Dichlorobenzene	0.00		0	N.D.		
10) 1,2-Dichlorobenzene	0.00		0	N.D.		
11) Benzyl alcohol	5.47	108	1166	N.D.		
12) 2,2'-Oxybis(1-chloropr...	5.76	45	1190	N.D.		
13) 2-Methylphenol	0.00		0	N.D.		
14) Hexachloroethane	0.00		0	N.D.		
15) N-Nitroso-di-n-propyla...	0.00		0	N.D.	d	
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.		
19) Nitrobenzene	6.10	77	1798	N.D.		
20) Isophorone	6.36	82	896	N.D.		
21) 2-Nitrophenol	6.60	139	668	N.D.		
22) 2,4-Dimethylphenol	6.56	107	130	N.D.		
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082214.D
Acq On : 22 Aug 2022 4:49 pm
Operator : VM
Sample : 208257-01 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:32:25 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	6.70	93	3022	N.D.		
25)	2,4-Dichlorophenol	0.00		0	N.D.		
26)	1,2,4-Trichlorobenzene	0.00		0	N.D.		
27)	Naphthalene	0.00		0	N.D.		d
28)	Hexachlorobutadiene	0.00		0	N.D.		
29)	4-Chloroaniline	7.16	127	6460	N.D.		
30)	4-Chloro-3-methylphenol	7.91	107	666	N.D.		
31)	2-Methylnaphthalene	8.19	142	362	N.D.		
32)	1-Methylnaphthalene	8.19	142	362	N.D.		
34)	Hexachlorocyclopentadiene	0.00		0	N.D.		
35)	2,4,6-Trichlorophenol	0.00		0	N.D.		
36)	2,4,5-Trichlorophenol	0.00		0	N.D.		
38)	2-Chloronaphthalene	0.00		0	N.D.		
39)	2-Nitroaniline	9.23	65	10073	N.D.		
40)	Dimethyl phthalate	9.60	163	1560	N.D.		
41)	Acenaphthylene	9.79	152	644	N.D.		
42)	2,6-Dinitrotoluene	0.00		0	N.D.		d
43)	3-Nitroaniline	10.00	65	1547	N.D.		
44)	Acenaphthene	0.00		0	N.D.		d
45)	2,4-Dinitrophenol	0.00		0	N.D.		
46)	Dibenzofuran	10.51	168	800	N.D.		
47)	2,4-Dinitrotoluene	10.61	165	2010	N.D.		
48)	4-Nitrophenol	10.35	65	3847	N.D.		
49)	Diethyl phthalate	11.10	149	12761	N.D.		
50)	Fluorene	11.25	166	263	N.D.		
51)	4-Chlorophenyl phenyl ...	0.00		0	N.D.		
52)	1,2-Diphenylhydrazine	11.65	77	4529	N.D.		
55)	N-Nitrosodiphenylamine	11.70	169	595	N.D.		
56)	4-Nitroaniline	11.32	138	1960	N.D.		
57)	4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58)	4-Bromophenyl phenyl e...	0.00		0	N.D.		
59)	Hexachlorobenzene	0.00		0	N.D.		
60)	Pentachlorophenol	0.00		0	N.D.		
61)	Phenanthrene	13.39	178	934	N.D.		
62)	Anthracene	13.51	178	655	N.D.		
63)	Carbazole	13.97	167	753	N.D.		
64)	Di-n-butyl phthalate	14.93	149	20795	N.D.		
65)	Fluoranthene	16.19	202	327	N.D.		
67)	Benzidine	0.00		0	N.D.		
68)	Pyrene	16.72	202	259	N.D.		
70)	Benzyl butyl phthalate	18.51	149	1823	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082214.D
Acq On : 22 Aug 2022 4:49 pm
Operator : VM
Sample : 208257-01 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:32:25 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

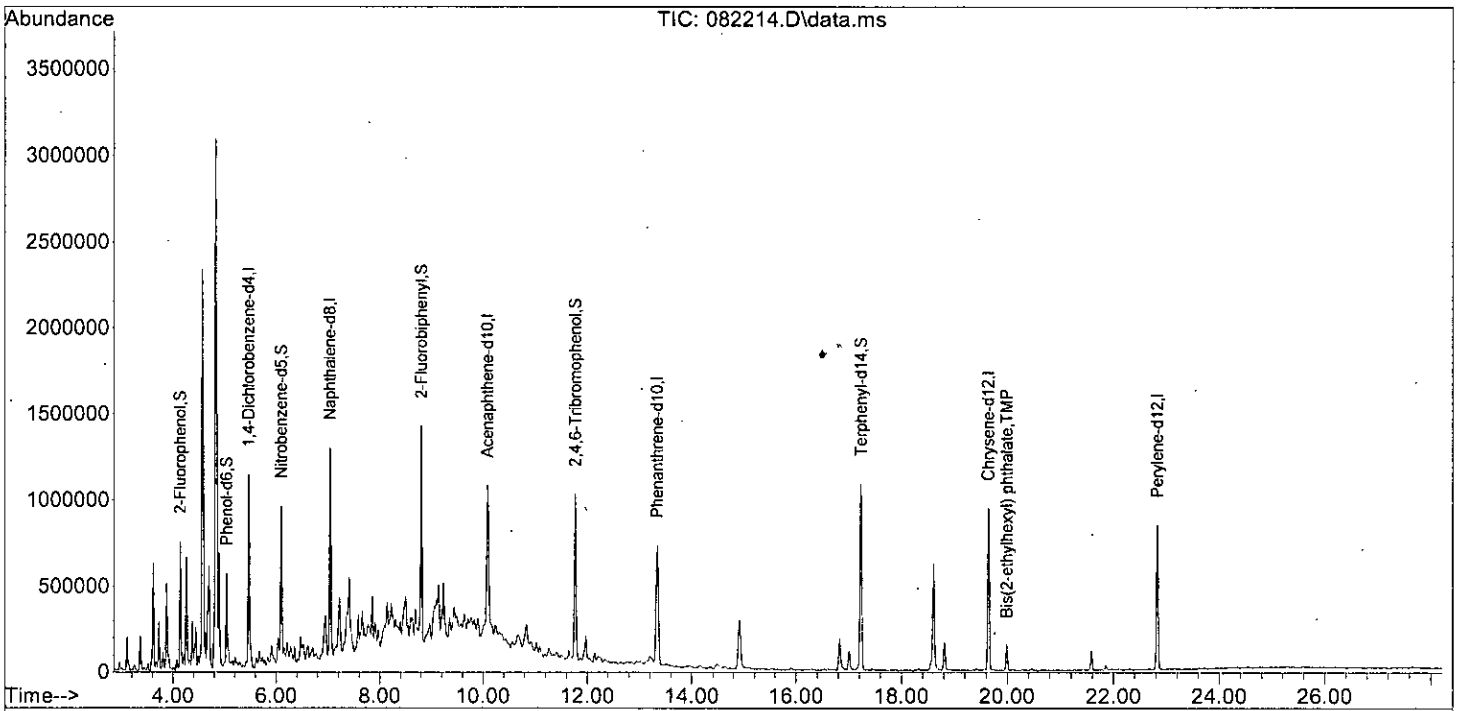
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72) Benz(a)anthracene	19.65	228	2409	N.D.		
73) Chrysene	19.70	228	187	N.D.		
74) Bis(2-ethylhexyl) phth...	19.99	149	82369	1.143	ug/ml	99
76) Di-n-octyl phthalate	21.42	149	558	N.D.		
77) Benzo(a)pyrene	22.70	252	164	N.D.		
78) Benzo(b)fluoranthene	22.04	252	131	N.D.		
79) Benzo(k)fluoranthene	22.04	252	131	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.83	276	107	N.D.		
81) Dibenz(a,h)anthracene	24.89	278	102	N.D.		
82) Benzo(g,h,i)perylene	25.32	276	120	N.D.		

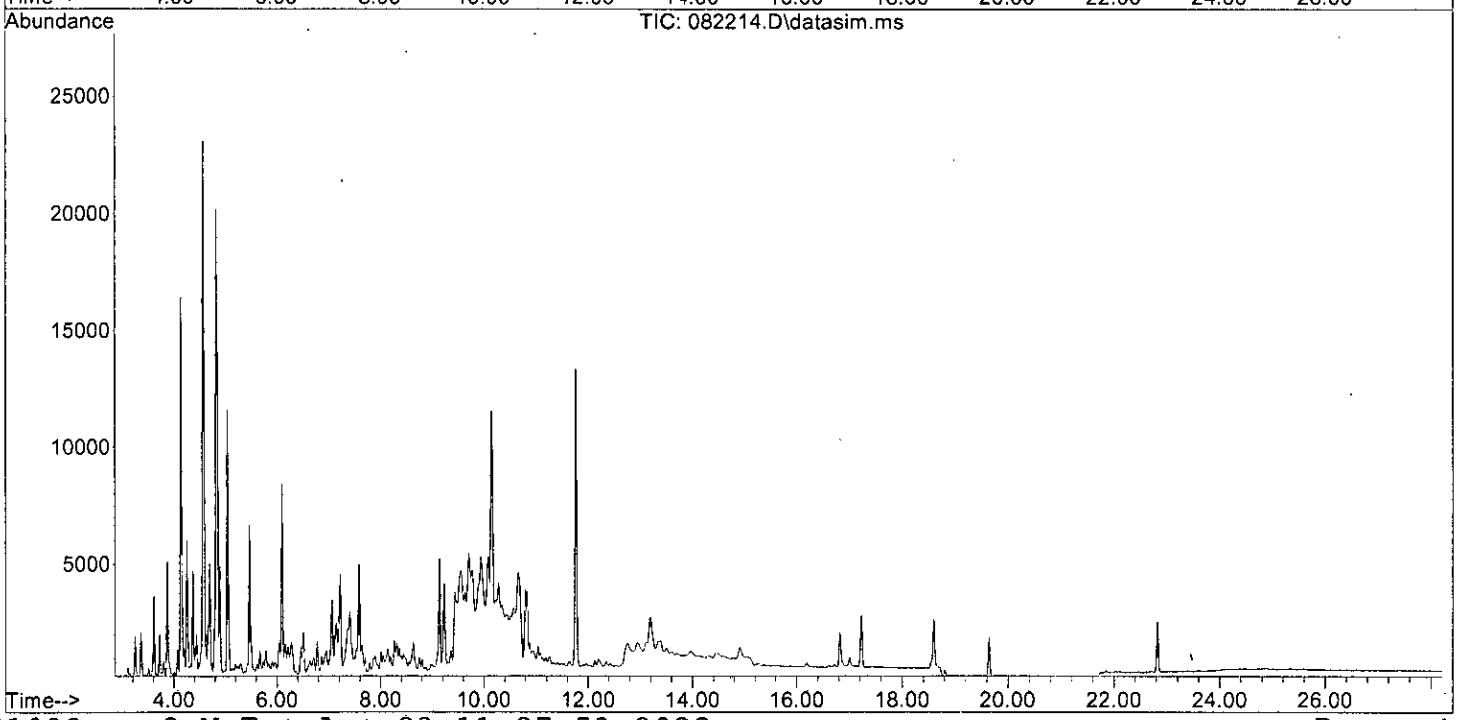
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082214.D
Acq On : 22 Aug 2022 4:49 pm
Operator : VM
Sample : 208257-01 1/2
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:32:25 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082215.D
Acq On : 22 Aug 2022 5:22 pm
Operator : VM
Sample : 208257-02 1/2
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:32:58 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.47	152	266150	8.000	ug/ml	0.00
17) Naphthalene-d8	7.04	136	870531	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.09	164	458132	8.000	ug/ml	0.00
54) Phenanthrene-d10	13.34	188	905796	8.000	ug/ml	0.00
66) Chrysene-d12	19.64	240	693460	8.000	ug/ml	0.00
75) Perylene-d12	22.82	264	599689	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.14	112	244045	6.895	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 60		Recovery = 45.93%			
4) Phenol-d6	5.04	99	192344	4.521	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 30.13%			
18) Nitrobenzene-d5	6.10	82	420696	9.639	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 96.40%			
37) 2-Fluorobiphenyl	8.80	172	748019	9.289	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 92.90%			
53) 2,4,6-Tribromophenol	11.77	330	241888	14.426	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 96.20%			
69) Terphenyl-d14	17.23	244	1035170	11.177	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 111.80%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.06	94	909	N.D.		
6) Bis(2-chloroethyl) ether	5.04	63	595	N.D.		
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.		
9) 1,4-Dichlorobenzene	0.00		0	N.D.		
10) 1,2-Dichlorobenzene	0.00		0	N.D.		
11) Benzyl alcohol	5.47	108	1723	N.D.		
12) 2,2'-Oxybis(1-chloropr...	5.80	45	909	N.D.		
13) 2-Methylphenol	0.00		0	N.D.		
14) Hexachloroethane	0.00		0	N.D.		
15) N-Nitroso-di-n-propyla...	5.84	70	1318	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.		
19) Nitrobenzene	6.09	77	1313	N.D.		
20) Isophorone	6.57	82	134	N.D.		
21) 2-Nitrophenol	0.00		0	N.D.		
22) 2,4-Dimethylphenol	0.00		0	N.D.		
23) Benzoic acid	0.00		0	N.D.	d	

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082215.D
Acq On : 22 Aug 2022 5:22 pm
Operator : VM
Sample : 208257-02 1/2
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:32:58 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	0.00		0		N.D.	
25) 2,4-Dichlorophenol	0.00		0		N.D.	
26) 1,2,4-Trichlorobenzene	0.00		0		N.D.	
27) Naphthalene	7.07	128	797		N.D.	
28) Hexachlorobutadiene	0.00		0		N.D.	
29) 4-Chloroaniline	0.00		0		N.D.	
30) 4-Chloro-3-methylphenol	7.85	107	411		N.D.	
31) 2-Methylnaphthalene	8.15	142	257		N.D.	
32) 1-Methylnaphthalene	8.31	142	189		N.D.	
34) Hexachlorocyclopentadiene	0.00		0		N.D.	
35) 2,4,6-Trichlorophenol	0.00		0		N.D.	
36) 2,4,5-Trichlorophenol	0.00		0		N.D.	
38) 2-Chloronaphthalene	0.00		0		N.D.	
39) 2-Nitroaniline	9.26	65	103		N.D.	
40) Dimethyl phthalate	9.60	163	533		N.D.	
41) Acenaphthylene	9.70	152	284		N.D.	
42) 2,6-Dinitrotoluene	9.68	165	224		N.D.	
43) 3-Nitroaniline	10.09	65	3079		N.D.	
44) Acenaphthene	10.15	153	138		N.D.	
45) 2,4-Dinitrophenol	0.00		0		N.D.	
46) Dibenzofuran	10.51	168	314		N.D.	
47) 2,4-Dinitrotoluene	0.00		0		N.D.	
48) 4-Nitrophenol	10.24	65	251		N.D.	
49) Diethyl phthalate	11.09	149	8848		N.D.	
50) Fluorene	11.24	166	173		N.D.	
51) 4-Chlorophenyl phenyl ...	0.00		0		N.D.	
52) 1,2-Diphenylhydrazine	11.56	77	145		N.D.	
55) N-Nitrosodiphenylamine	0.00		0		N.D.	
56) 4-Nitroaniline	0.00		0		N.D.	
57) 4,6-Dinitro-2-methylph...	0.00		0		N.D.	
58) 4-Bromophenyl phenyl e...	0.00		0		N.D.	
59) Hexachlorobenzene	0.00		0		N.D.	
60) Pentachlorophenol	12.92	266	354		N.D.	
61) Phenanthrene	13.38	178	1002		N.D.	
62) Anthracene	13.51	178	145		N.D.	
63) Carbazole	13.96	167	700		N.D.	
64) Di-n-butyl phthalate	14.92	149	31441		N.D.	
65) Fluoranthene	16.19	202	610		N.D.	
67) Benzidine	0.00		0		N.D.	
68) Pyrene	16.72	202	879		N.D.	
70) Benzyl butyl phthalate	18.51	149	1398		N.D.	

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082215.D
Acq On : 22 Aug 2022 5:22 pm
Operator : VM
Sample : 208257-02 1/2
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:32:58 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

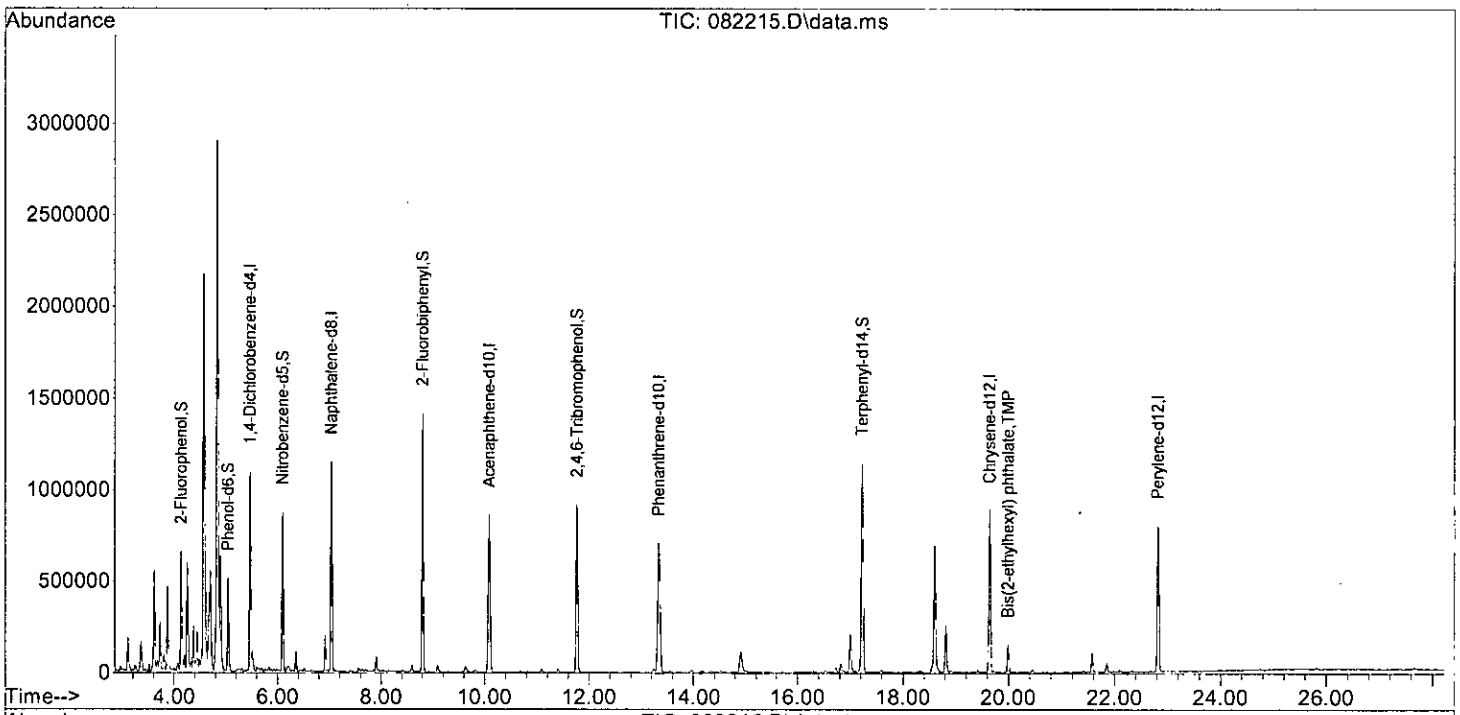
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72) Benz(a)anthracene	19.65	228	2333	N.D.		
73) Chrysene	19.70	228	160	N.D.		
74) Bis(2-ethylhexyl) phth...	19.99	149	80656	1.183	ug/ml	97
76) Di-n-octyl phthalate	21.49	149	1300	N.D.		
77) Benzo(a)pyrene	22.70	252	101	N.D.		
78) Benzo(b)fluoranthene	22.04	252	127	N.D.		
79) Benzo(k)fluoranthene	22.09	252	124	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.82	276	129	N.D.		
81) Dibenz(a,h)anthracene	24.89	278	118	N.D.		
82) Benzo(g,h,i)perylene	25.32	276	143	N.D.		

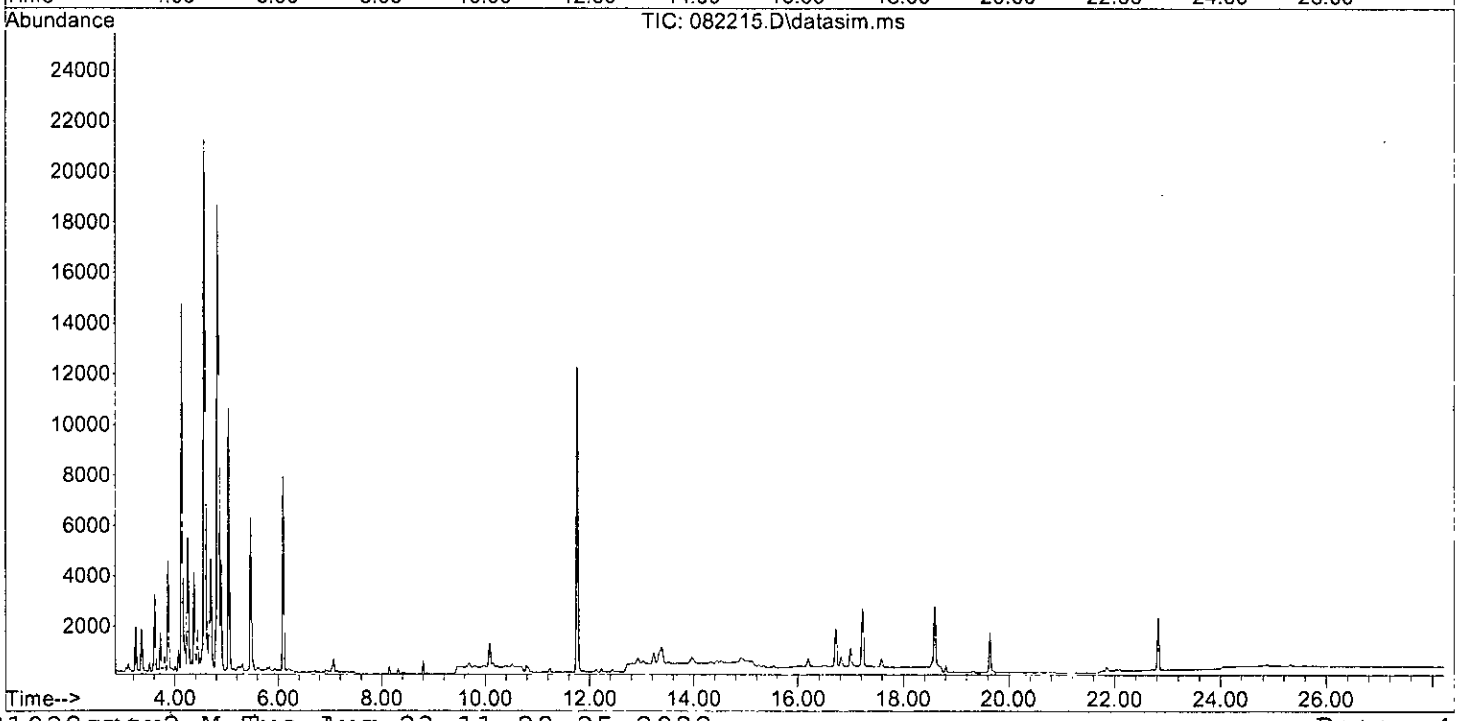
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082215.D
Acq On : 22 Aug 2022 5:22 pm
Operator : VM
Sample : 208257-02 1/2
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:32:58 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

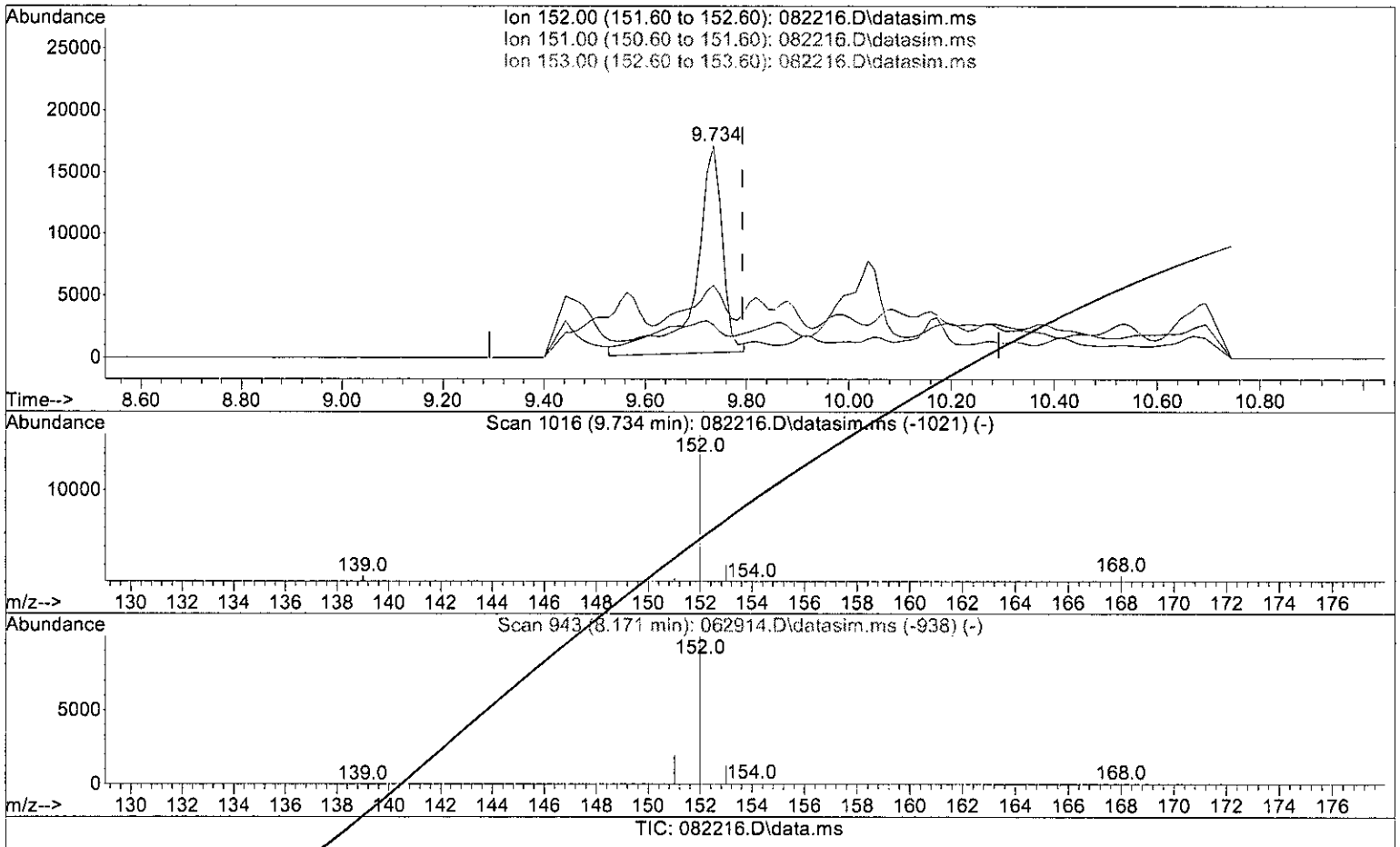




Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:19:04 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 082216.D\data.ms

(41) Acenaphthylene (TMP)

9.734min (-0.059) 0.418 ug/ml

response 63099

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.30	7.43
153.00	12.90	15.60
0.00	0.00	0.00

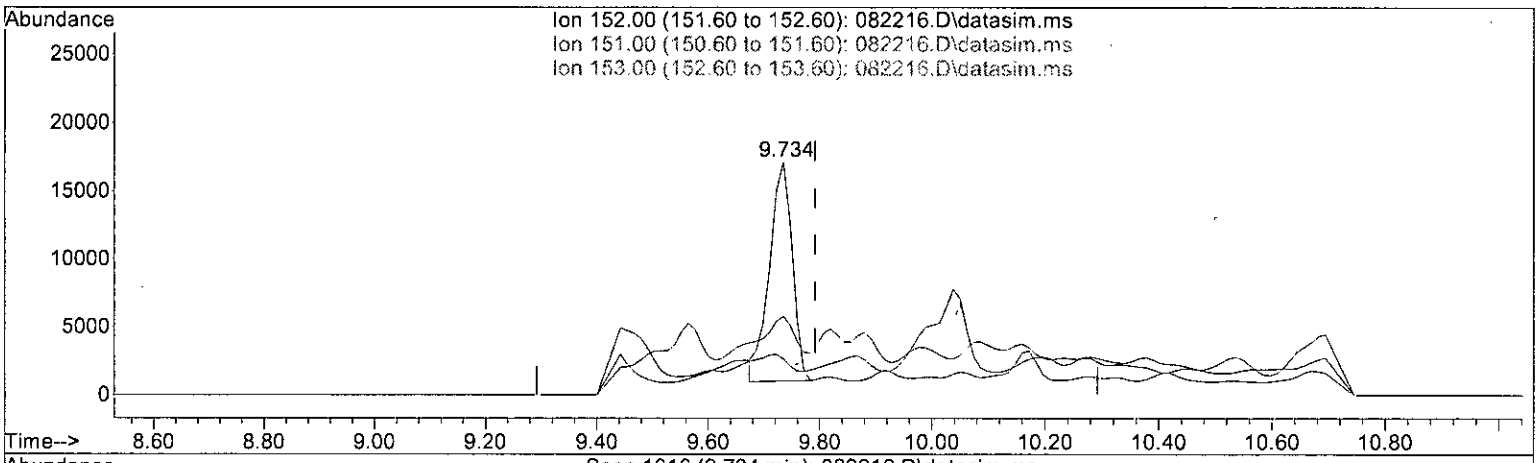
VM

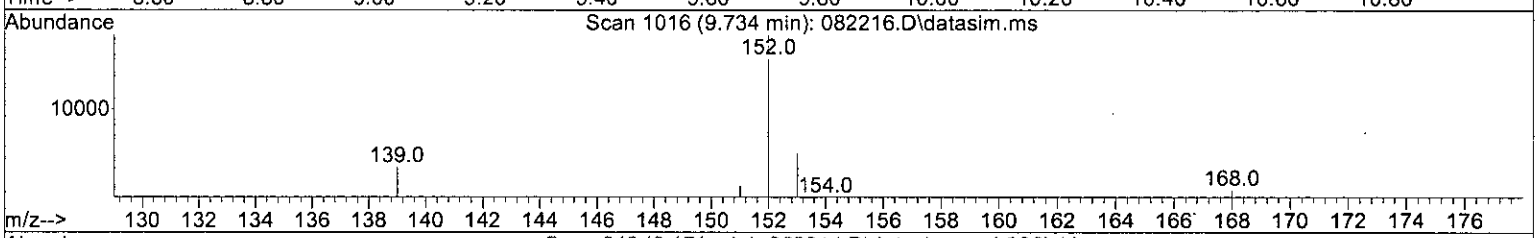
AUG 23 2022

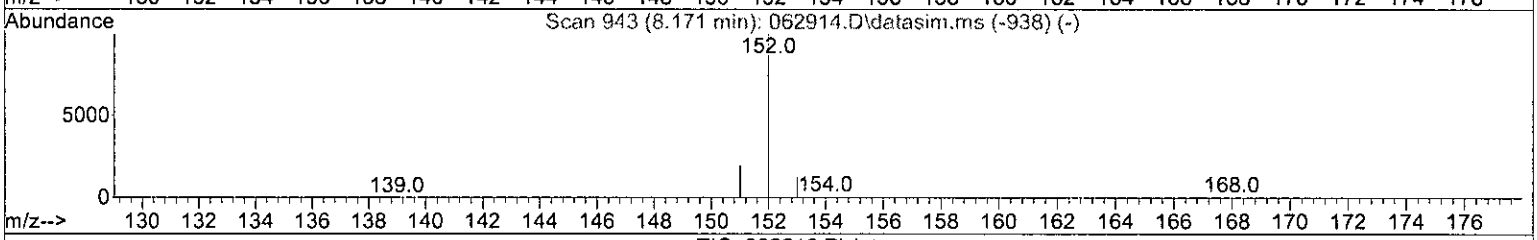
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:19:04 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 082216.D\data.ms

(41) Acenaphthylene (TMP)

9.734min (-0.059) 0.299 ug/ml m

response 45203

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	20.30	15.43
153.00	12.90	33.69
0.00	0.00	0.00

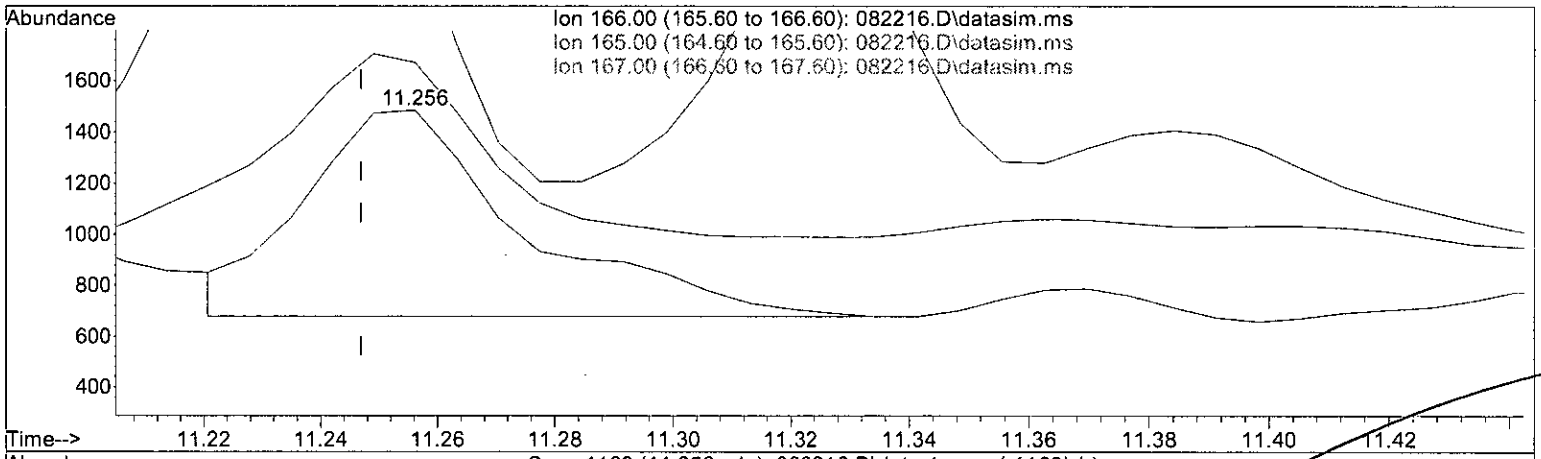
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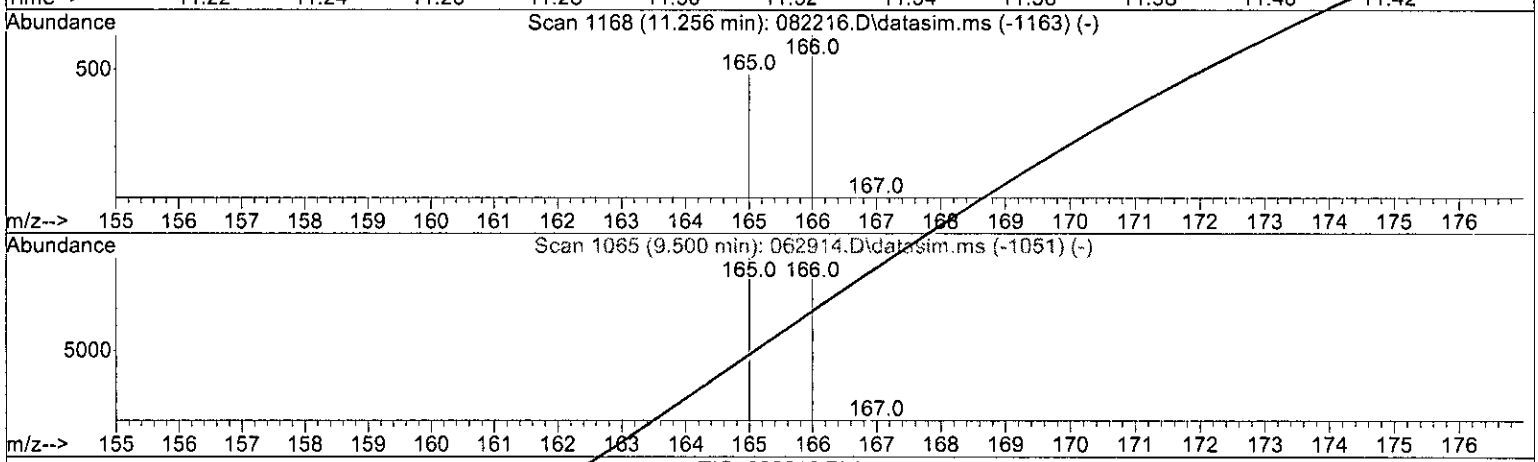
AUG 23 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:19:04 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





TIC: 082216.D\data.ms

(50) Fluorene (TMP)

11.256min (+ 0.009) 0.019 ug/ml

response 2084

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	104.90	84.37
167.00	13.50	13.90
0.00	0.00	0.00

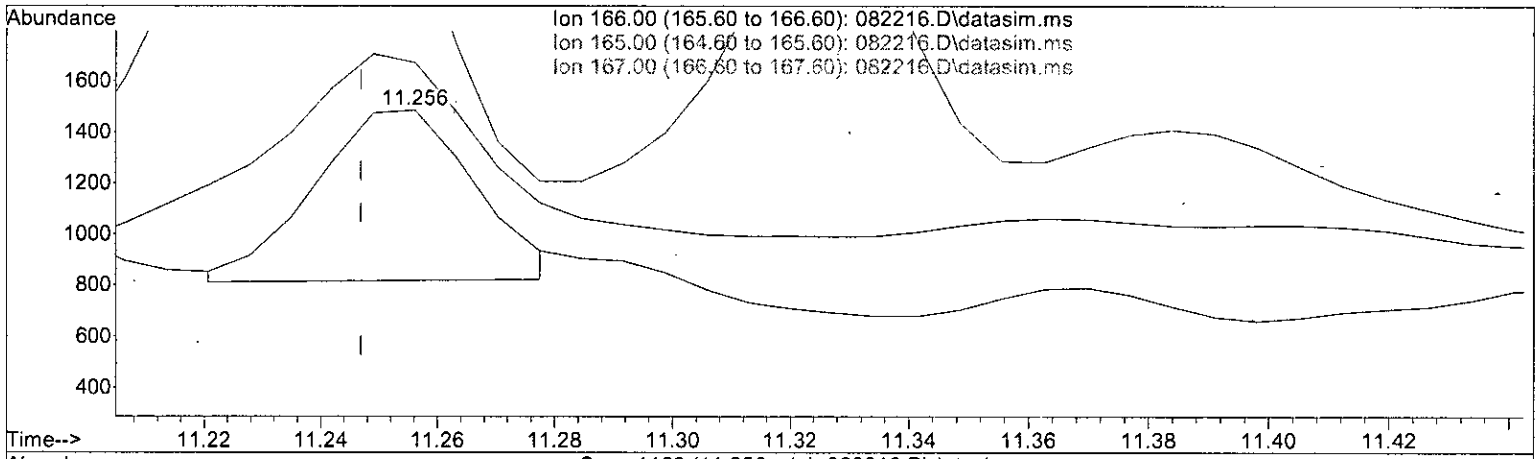
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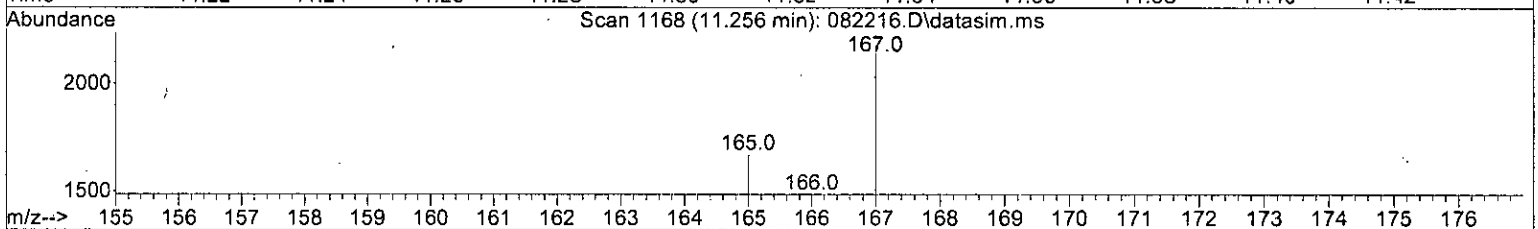
AUG 23 2022

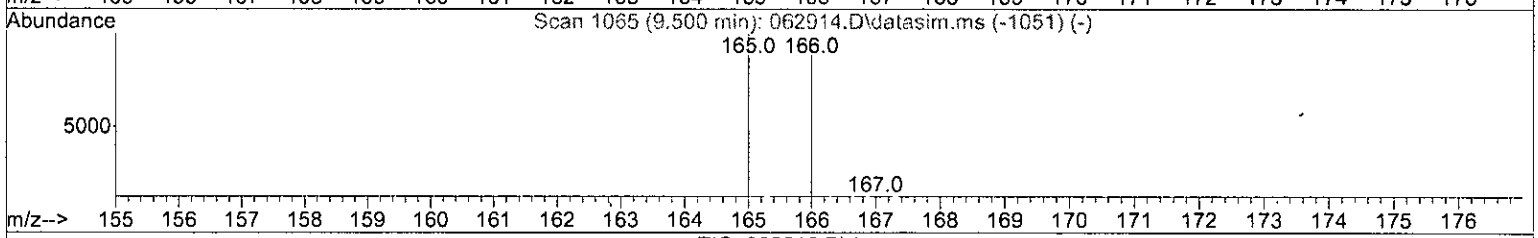
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:19:04 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 082216.D\data.ms

(50) Fluorene (TMP)

11.256min (+ 0.009) 0.012 ug/ml m

response 1277

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	104.90	112.53
167.00	13.50	150.71#
0.00	0.00	0.00

VM

AUG 23 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:37:17 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.48	152	275075	8.000	ug/ml	0.00
17) Naphthalene-d8	7.05	136	909916	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.10	164	569025	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.35	188	1070432	8.000	ug/ml	0.01
66) Chrysene-d12	19.65	240	920677	8.000	ug/ml	0.00
75) Perylene-d12	22.83	264	802112	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.20	112	261182	7.140	ug/ml	0.06
Spiked Amount 15.000	Range 10 - 60		Recovery = 47.60%			
4) Phenol-d6	5.07	99	206852	4.704	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 49		Recovery = 31.33%			
18) Nitrobenzene-d5	6.11	82	431146	9.451	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 94.50%			
37) 2-Fluorobiphenyl	8.82	172	778397	7.782	ug/ml	0.01
Spiked Amount 10.000	Range 25 - 128		Recovery = 77.80%			
53) 2,4,6-Tribromophenol	11.79	330	303268	14.561	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 142		Recovery = 97.07%			
69) Terphenyl-d14	17.23	244	1251262	10.176	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 101.80%			
Target Compounds						Qvalue
11) Benzyl alcohol	5.63	108	173783	6.580	ug/ml	97
13) 2-Methylphenol	5.75	108	1123635	30.984	ug/ml	99
15) N-Nitroso-di-n-propyla...	5.92	70	10110	0.336	ug/ml	73
16) 3-Methylphenol + 4-Met...	5.93	108	345979	9.231	ug/ml#	66
22) 2,4-Dimethylphenol	6.62	107	1794076	41.582	ug/ml	91
27] Naphthalene	7.08	128	141828	1.050	ug/ml	100
31] 2-Methylnaphthalene	8.17	142	7755	0.090	ug/ml	85
32] 1-Methylnaphthalene	8.33	142	7238	0.088	ug/ml	94
41] Acenaphthylene	9.73	152	45203m	0.299	ug/ml	
50] Fluorene	11.26	166	1277m	0.012	ug/ml	
61] Phenanthrene	13.40	178	5280	0.033	ug/ml	73
62] Anthracene	13.57	178	4060	0.026	ug/ml	83
63] Carbazole	13.93	167	3849	0.032	ug/ml	86
65] Fluoranthene	16.20	202	2187	0.012	ug/ml	100
68] Pyrene	16.72	202	2390	0.012	ug/ml	88
74) Bis(2-ethylhexyl) phth...	19.99	149	107973	1.192	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:37:17 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

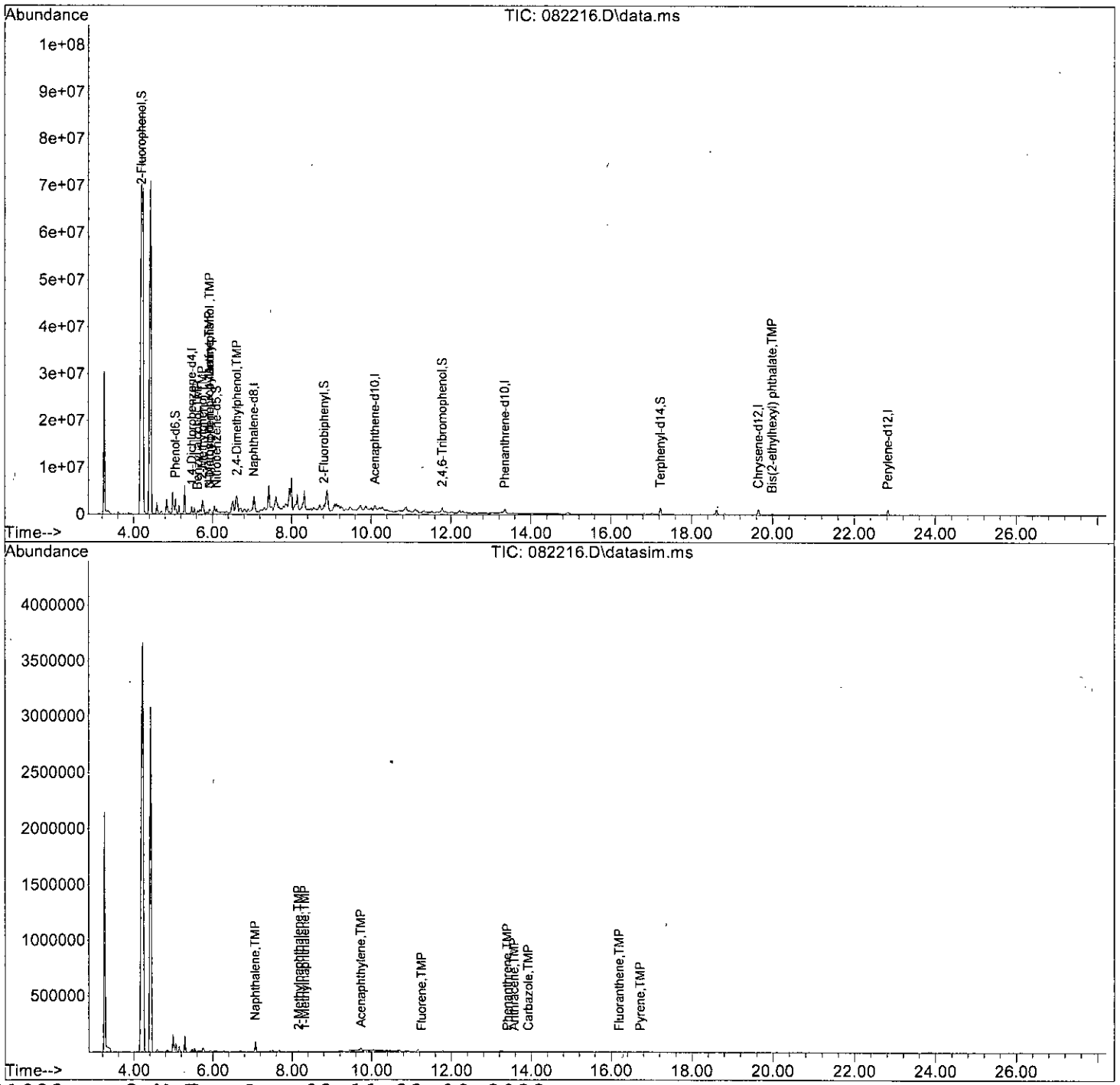
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

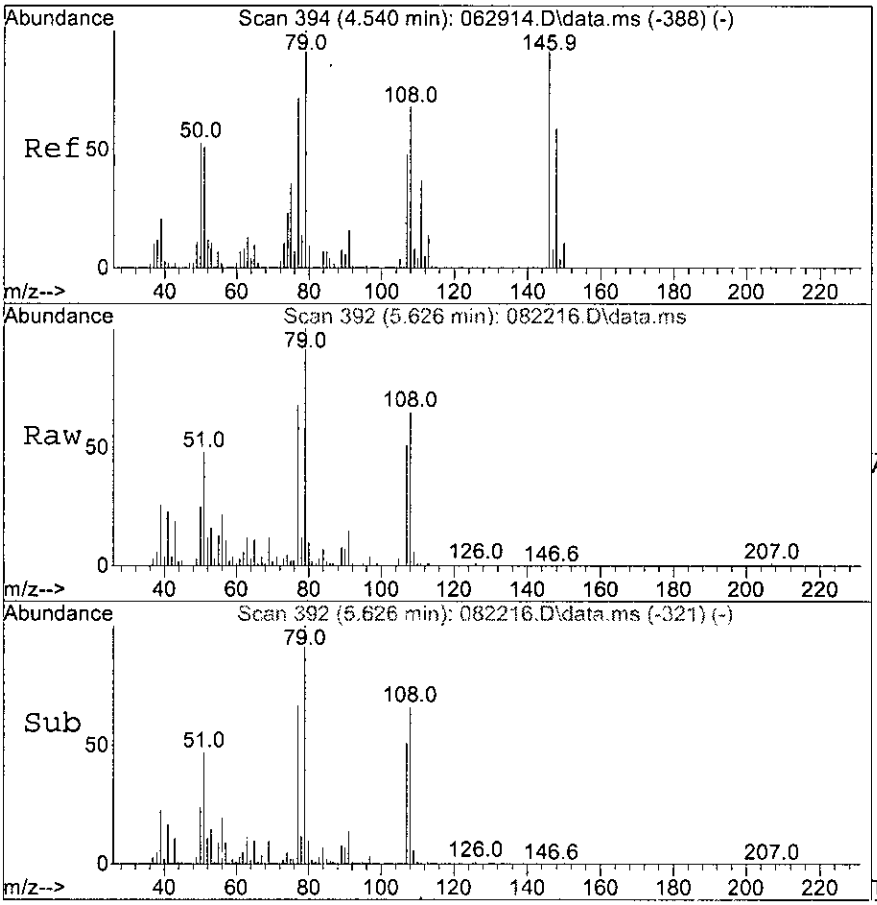
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:37:17 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

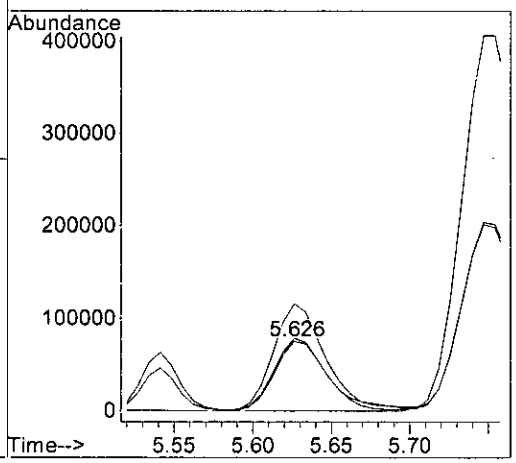


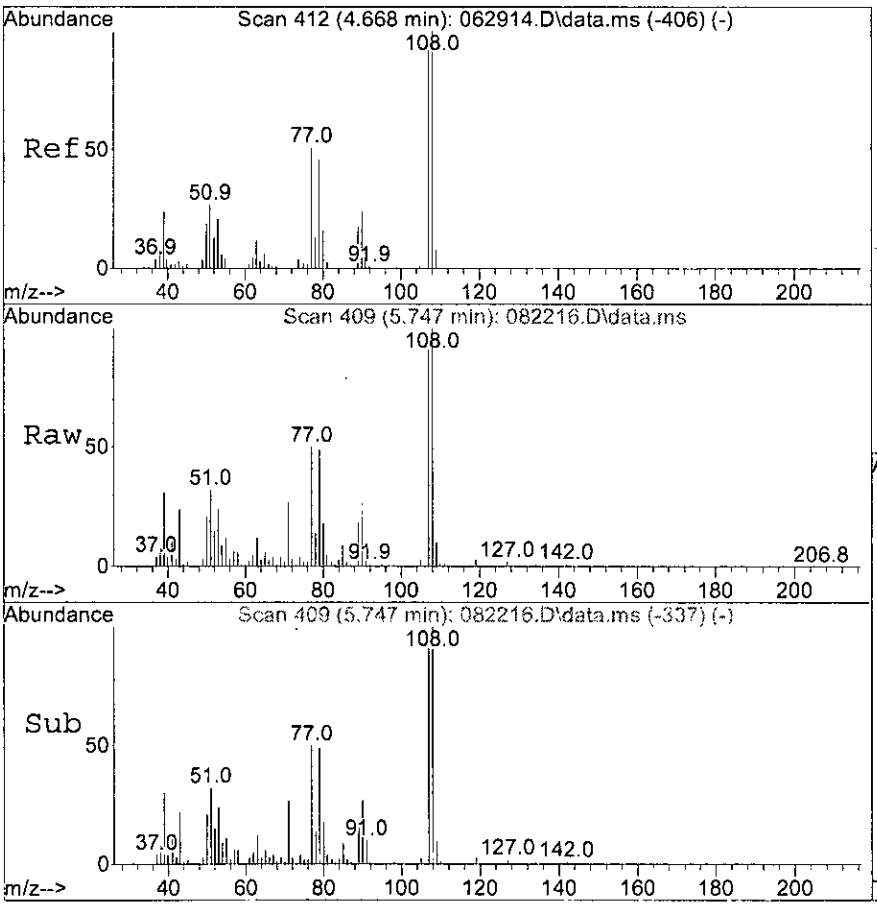


#11
Benzyl alcohol
Concen: 6.580 ug/ml
RT: 5.63 min Scan# 392
Delta R.T. 0.007 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:108 Resp: 173783

Ion	Ratio	Lower	Upper
108	100		
79	152.0	123.1	183.1
77	101.8	77.4	137.4

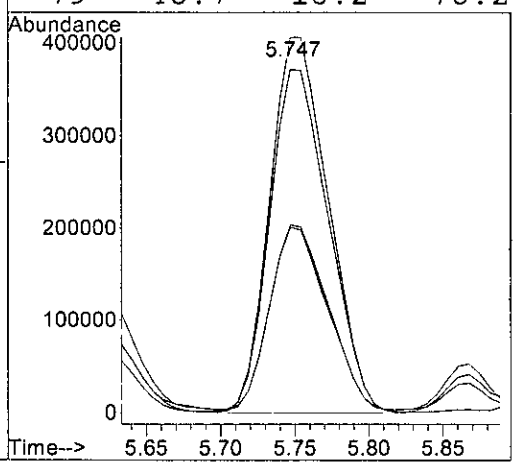


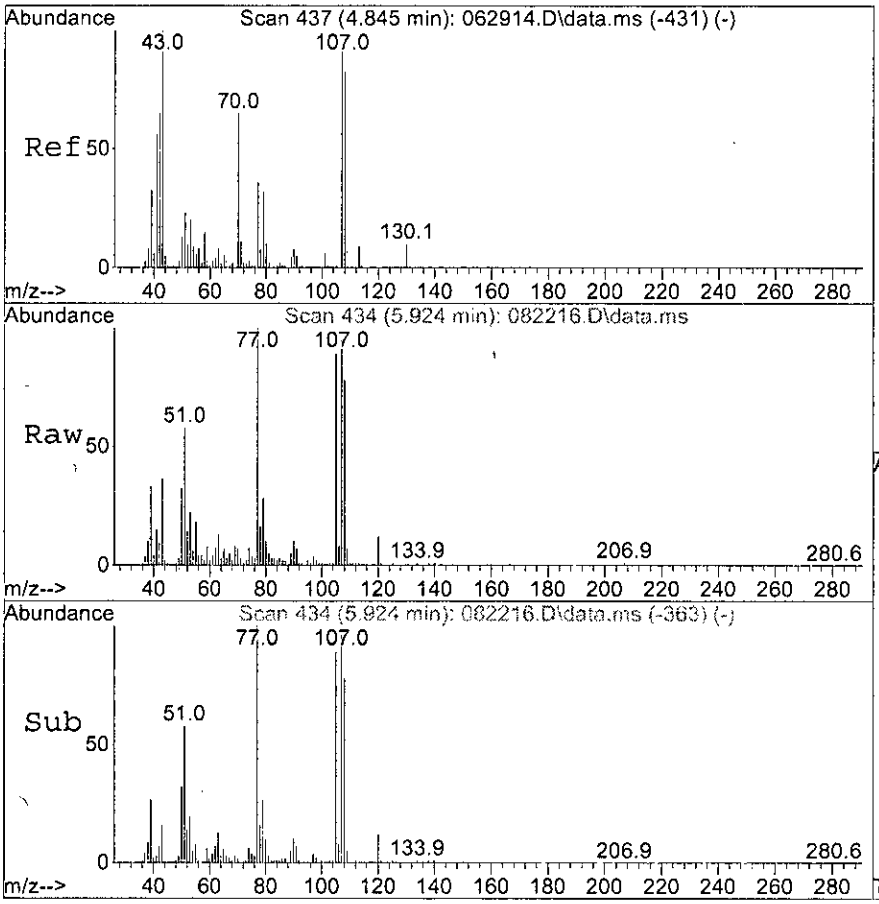


#13
2-Methylphenol
Concen: 30.984 ug/ml
RT: 5.75 min Scan# 409
Delta R.T. 0.014 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:108 Resp: 1123635

Ion	Ratio	Lower	Upper
108	100		
107	91.4	61.9	121.9
77	49.5	17.3	77.3
79	48.7	18.2	78.2

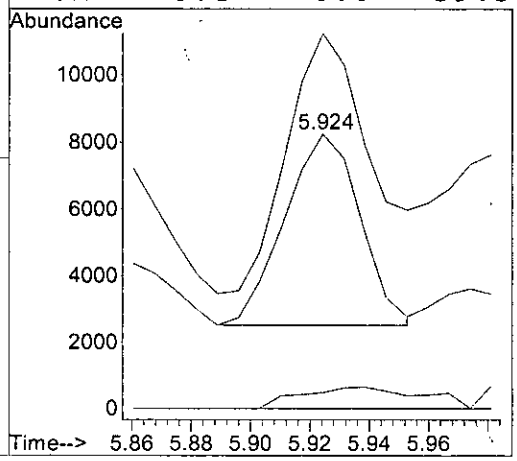


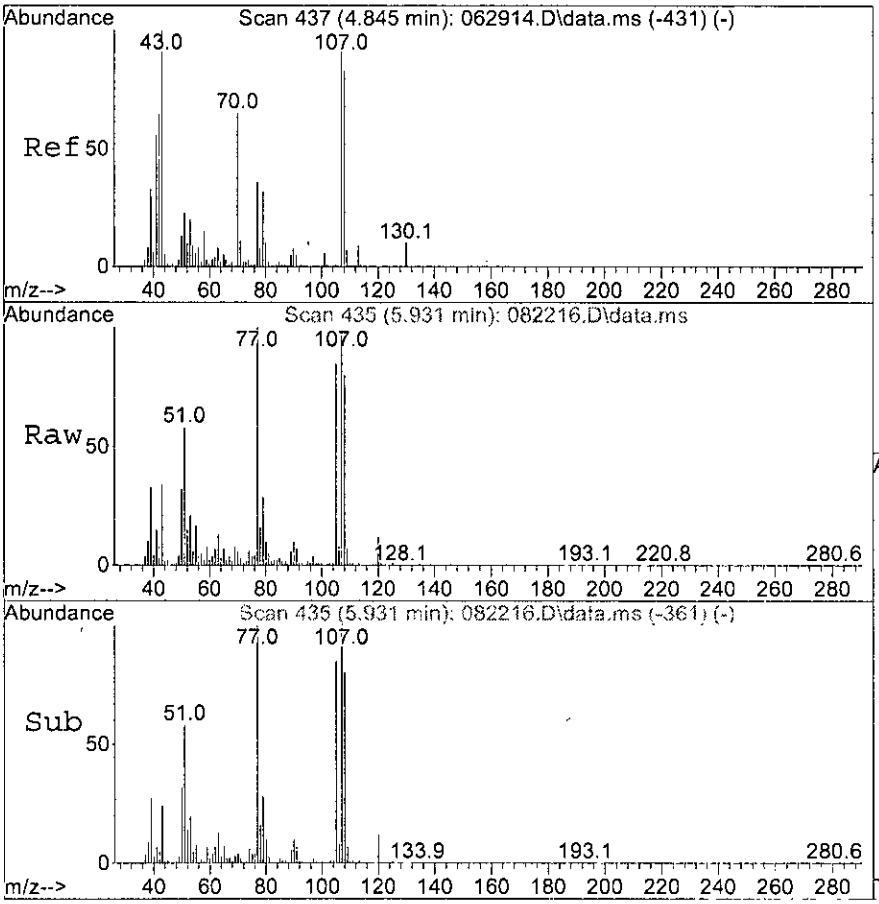


#15
N-Nitroso-di-n-propylamine
Concen: 0.336 ug/ml
RT: 5.92 min Scan# 434
Delta R.T. 0.000 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion: 70 Resp: 10110

Ion	Ratio	Lower	Upper
70	100		
42	135.7	77.1	137.1
130	0.0	0.0	46.0
101	8.4	0.0	39.3

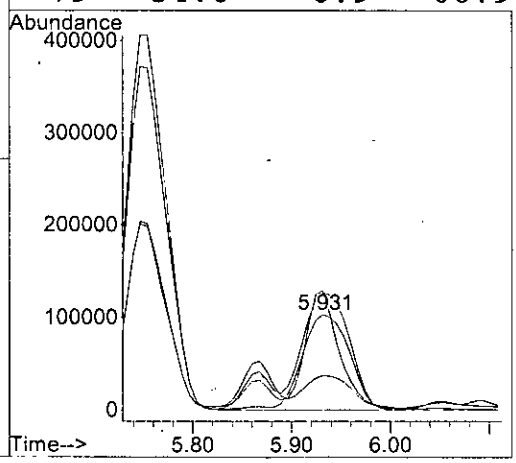


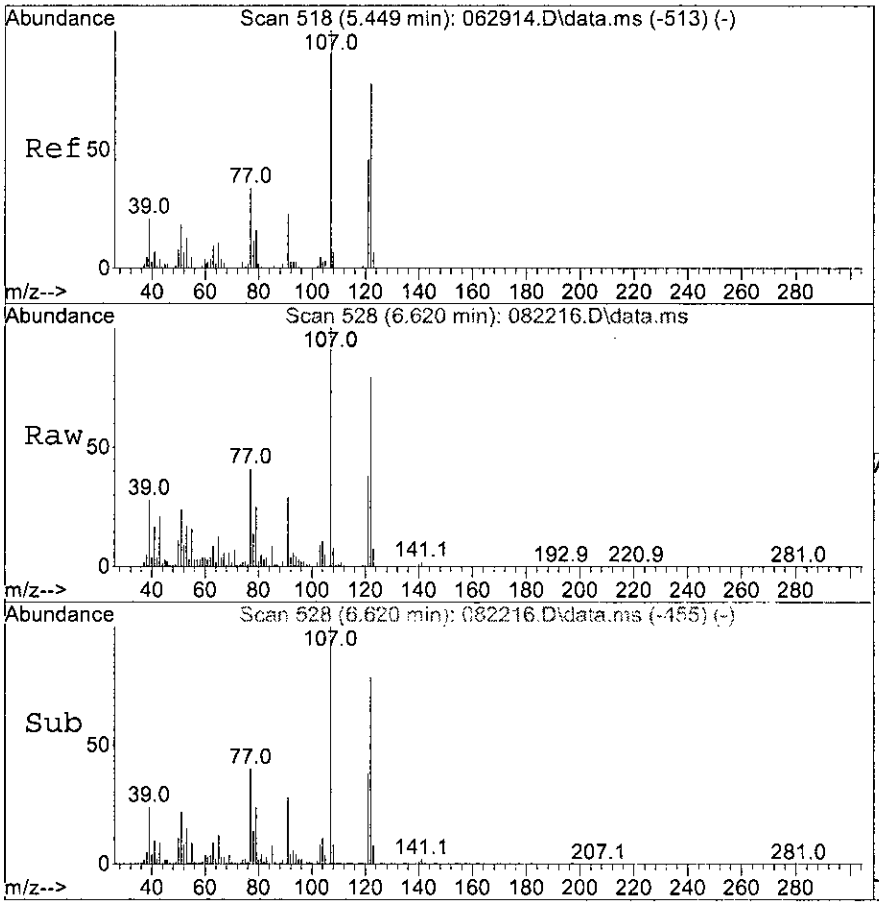


#16
3-Methylphenol + 4-Methylphen
Concen: 9.231 ug/ml
RT: 5.93 min Scan# 435
Delta R.T. 0.028 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:108 Resp: 345979

Ion	Ratio	Lower	Upper
108	100		
107	121.9	81.3	141.3
77	122.4	15.1	75.1#
79	34.6	6.9	66.9

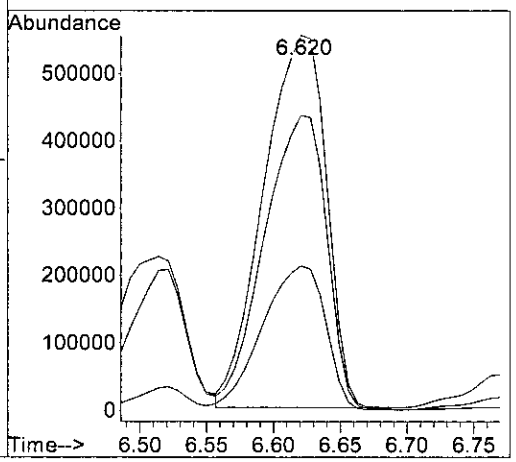


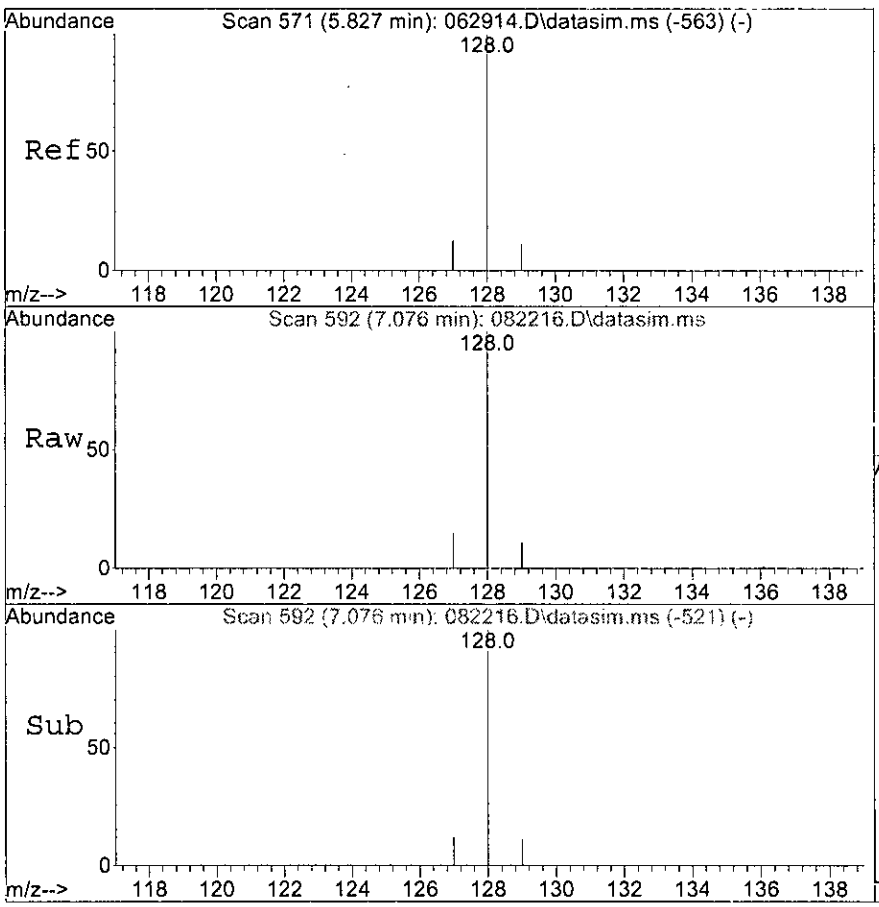


#22
2,4-Dimethylphenol
Concen: 41.582 ug/ml
RT: 6.62 min Scan# 528
Delta R.T. 0.049 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:107 Resp: 1794076

Ion	Ratio	Lower	Upper
107	100		
121	38.6	20.0	80.0
122	79.2	46.0	106.0

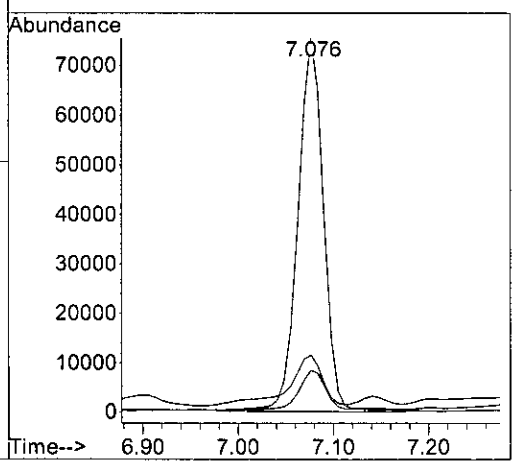


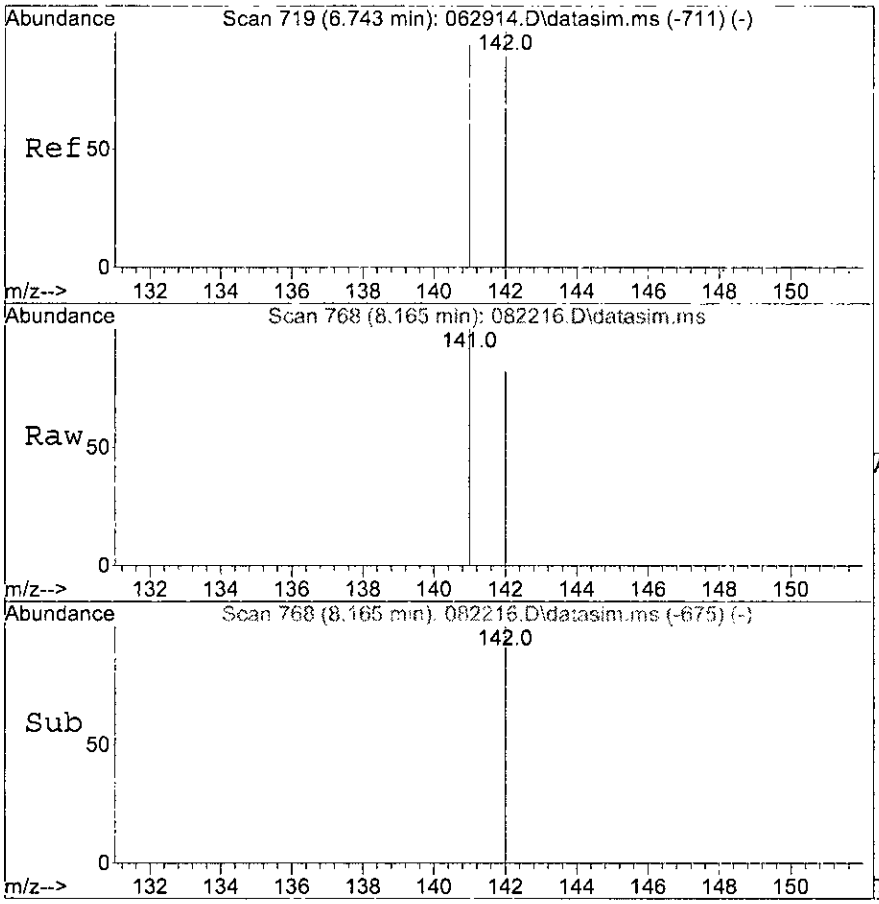


#27
Naphthalene
Concen: 1.050 ug/ml
RT: 7.08 min Scan# 592
Delta R.T. 0.007 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:128 Resp: 141828

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.7
127	13.5	0.0	43.6

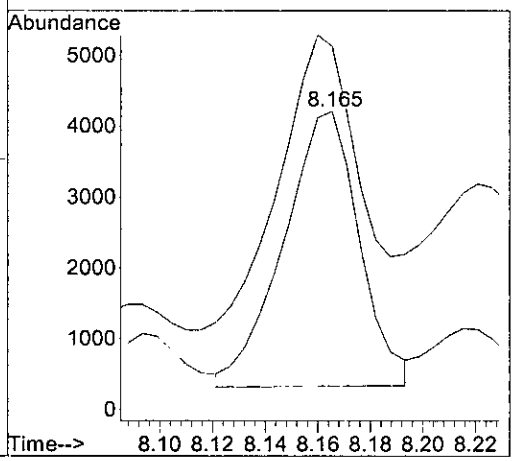


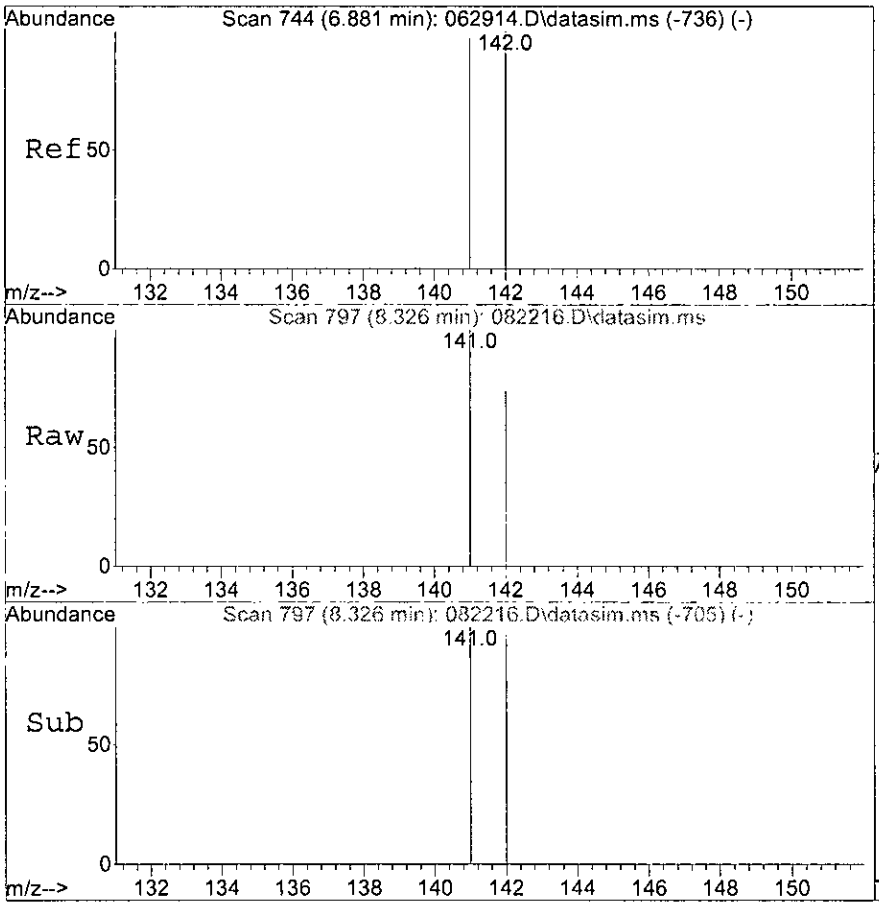


#31
2-Methylnaphthalene
Concen: 0.090 ug/ml
RT: 8.17 min Scan# 768
Delta R.T. 0.017 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:142 Resp: 7755

Ion	Ratio	Lower	Upper
142	100		
141	105.3	61.5	121.5

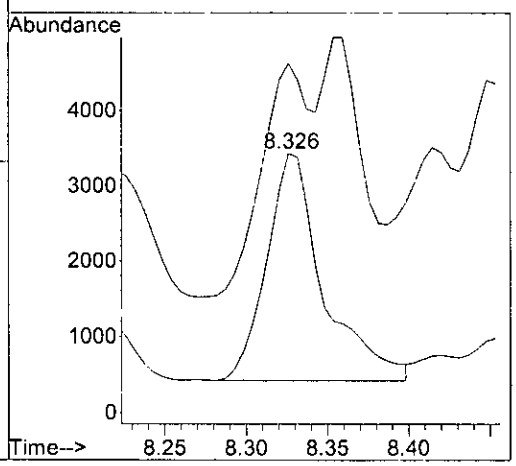


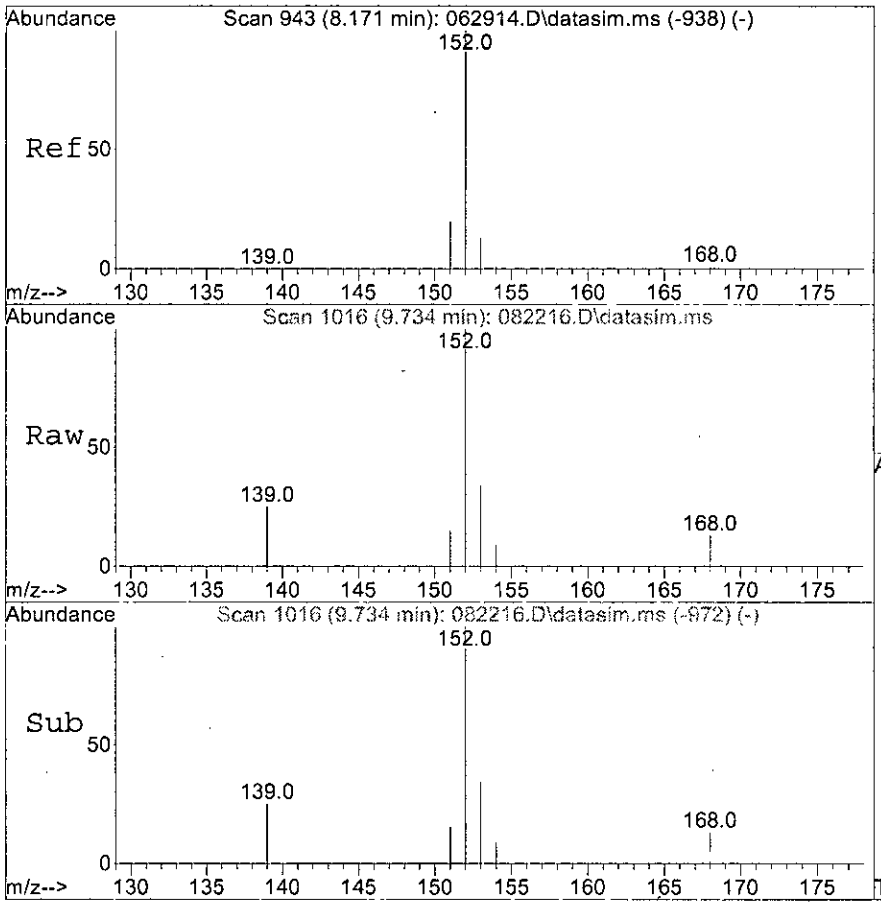


#32
1-Methylnaphthalene
Concen: 0.088 ug/ml
RT: 8.33 min Scan# 797
Delta R.T. 0.012 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:142 Resp: 7238

Ion	Ratio	Lower	Upper
142	100		
141	102.6	66.8	126.8

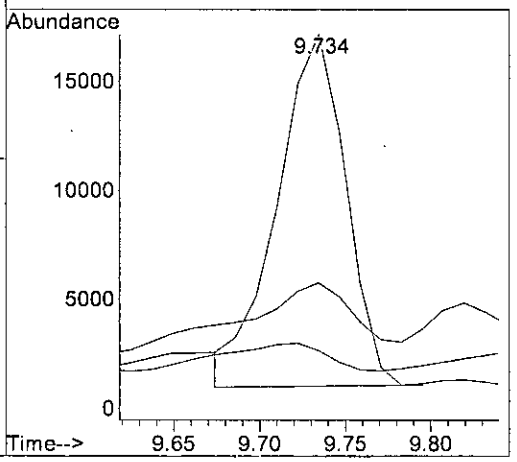


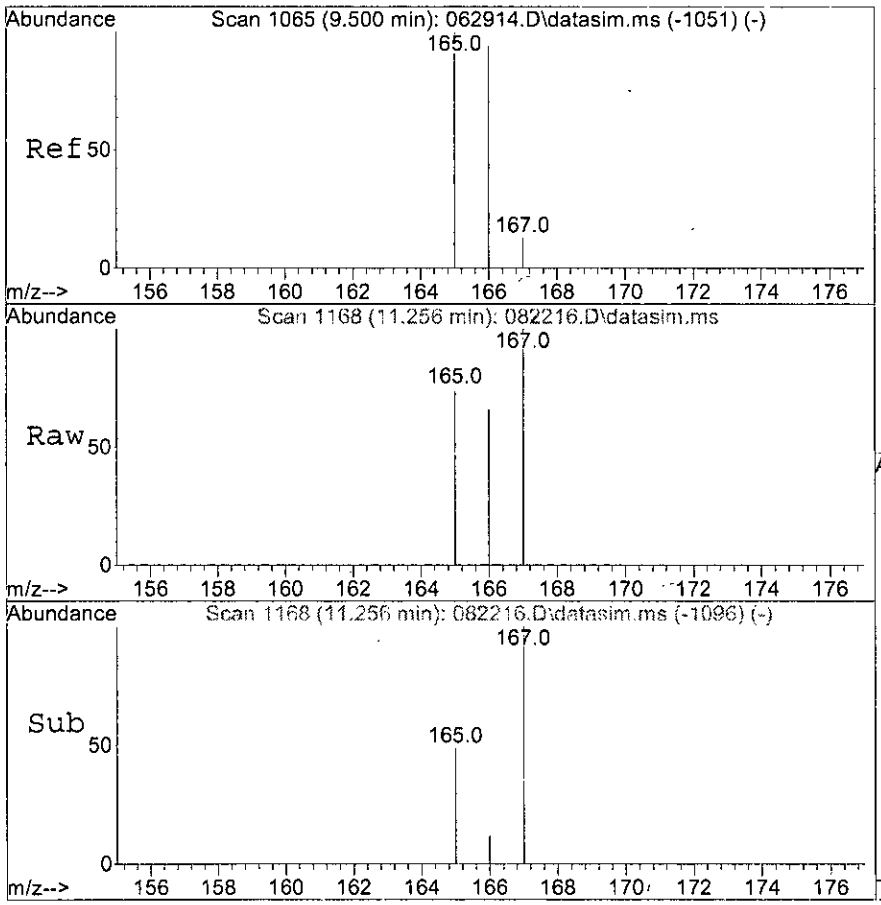


#41
Acenaphthylene
Concen: 0.299 ug/ml m
RT: 9.73 min Scan# 1016
Delta R.T. -0.059 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:152 Resp: 45203

Ion	Ratio	Lower	Upper
152	100		
151	15.4	0.0	50.3
153	33.7	0.0	42.9

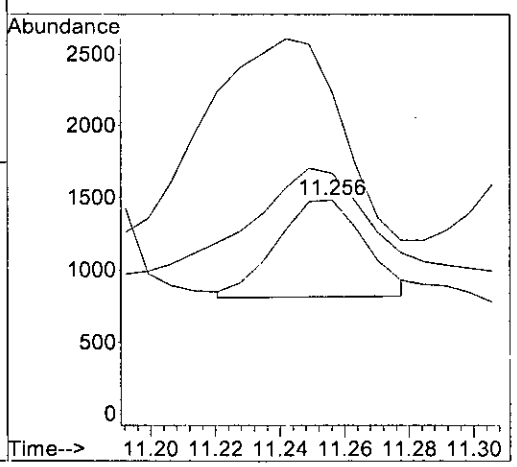


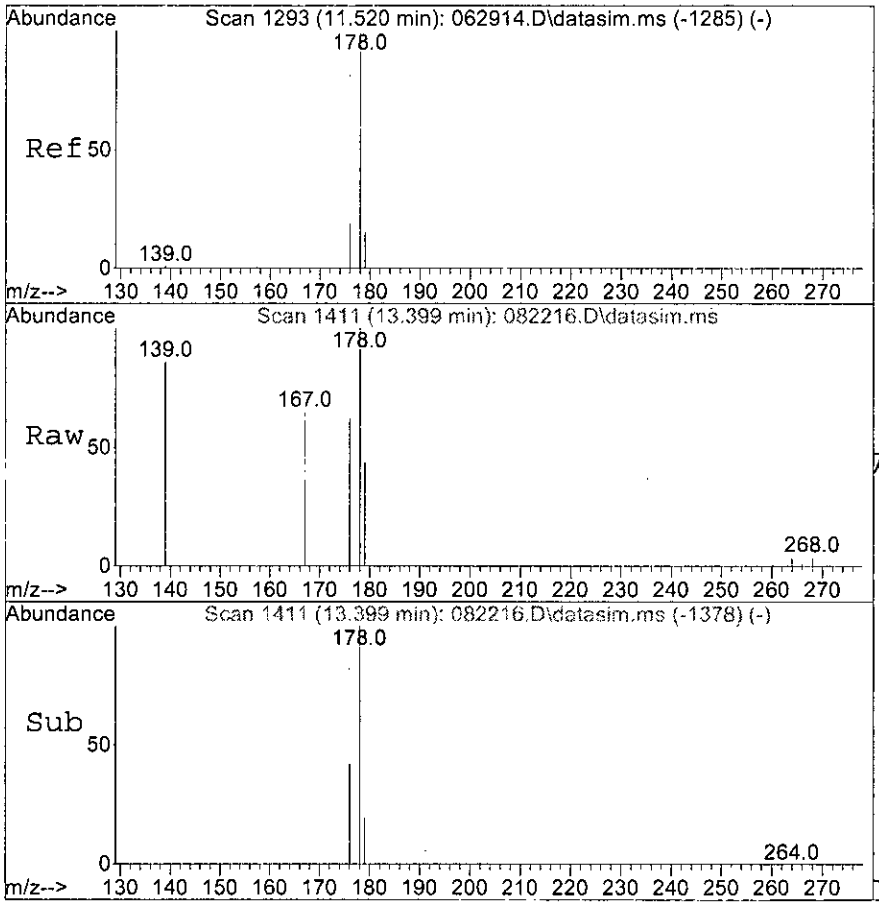


#50
Fluorene
Concen: 0.012 ug/ml m
RT: 11.26 min Scan# 1168
Delta R.T. 0.009 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:166 Resp: 1277

Ion	Ratio	Lower	Upper
166	100		
165	112.5	74.9	134.9
167	150.7	0.0	43.5#

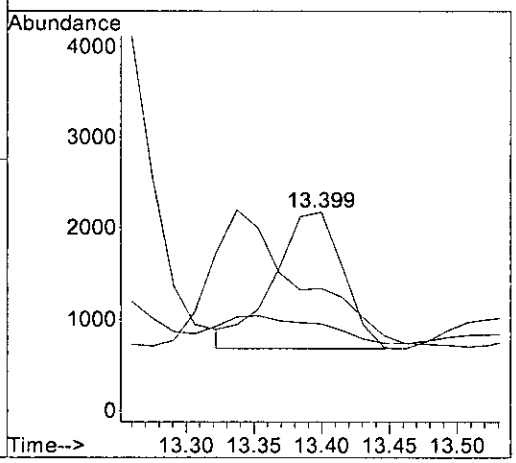


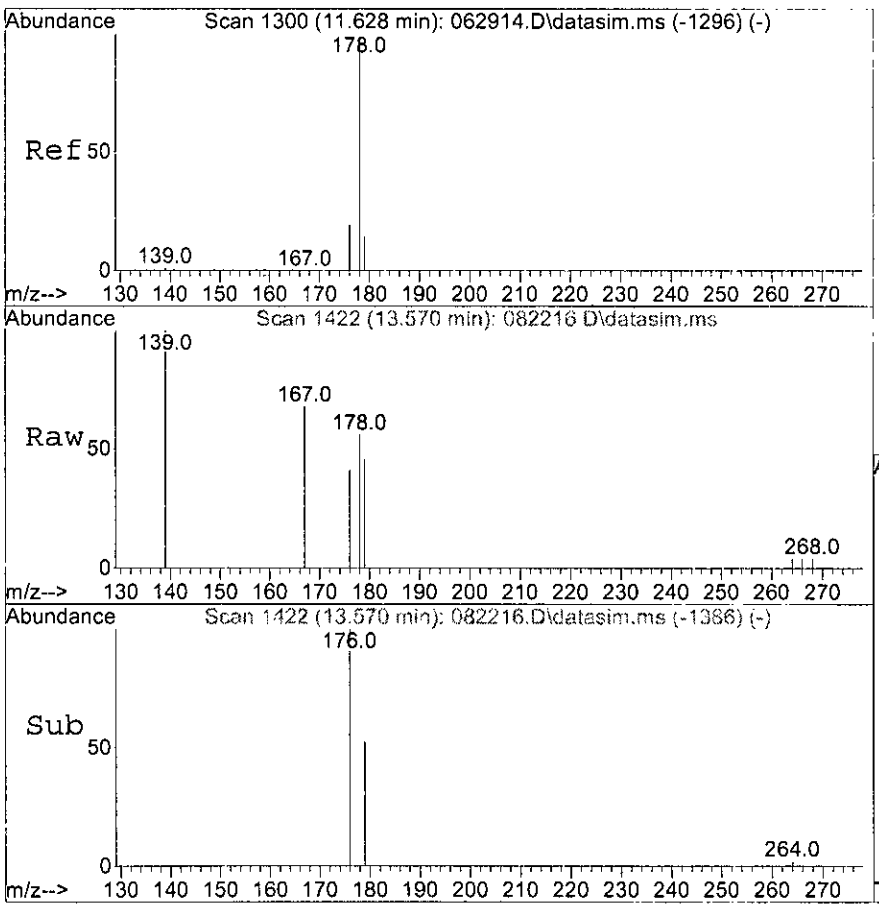


#61
Phenanthrene
Concen: 0.033 ug/ml
RT: 13.40 min Scan# 1411
Delta R.T. 0.010 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:178 Resp: 5280

Ion	Ratio	Lower	Upper
178	100		
179	14.5	0.0	45.4
176	40.4	0.0	49.0

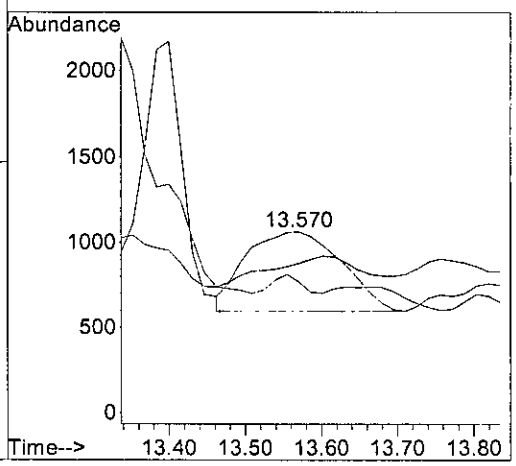


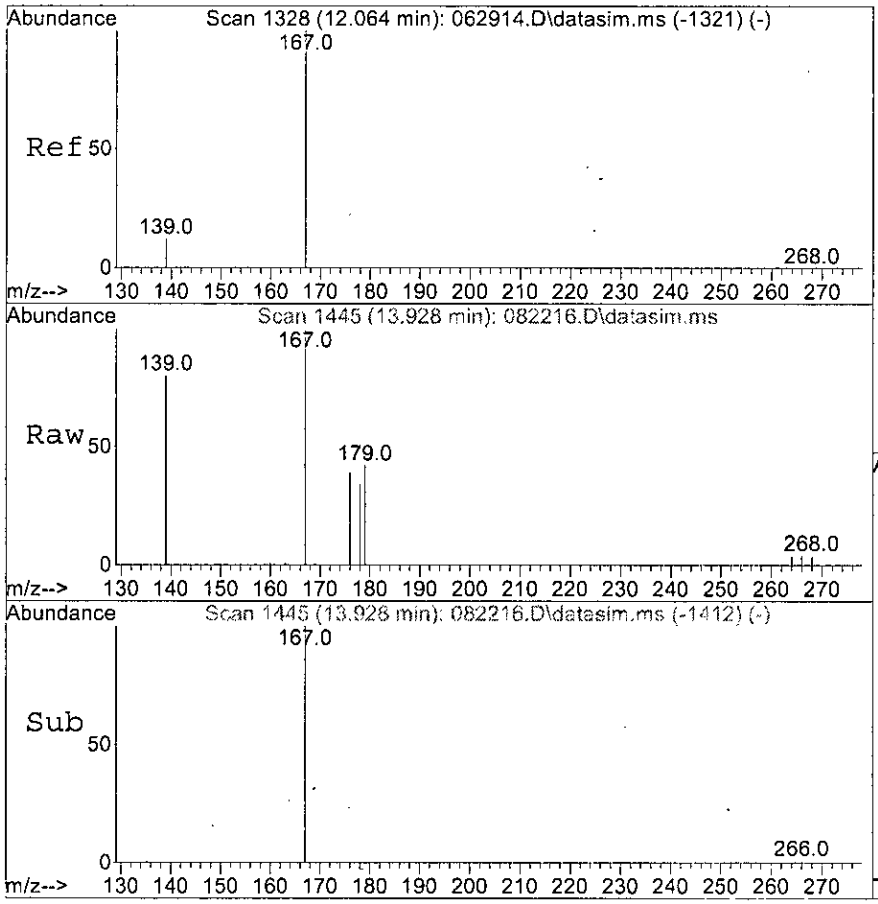


#62
Anthracene
Concen: 0.026 ug/ml
RT: 13.57 min Scan# 1422
Delta R.T. 0.057 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:178 Resp: 4060

Ion	Ratio	Lower	Upper
178	100		
179	30.0	0.0	44.8
176	20.5	0.0	49.4

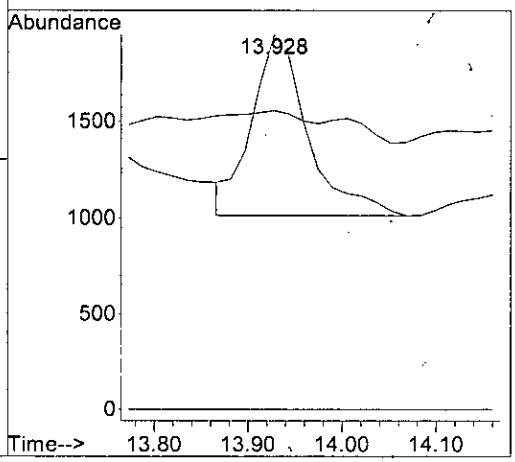


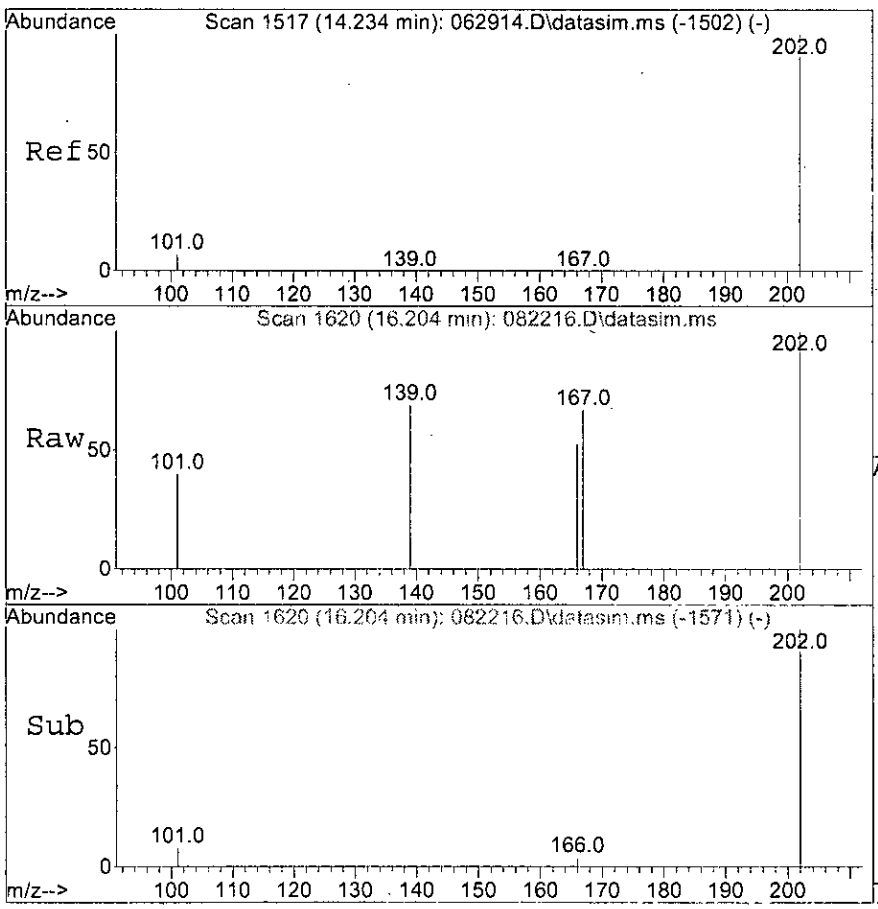


#63
Carbazole
Concen: 0.032 ug/ml
RT: 13.93 min Scan# 1445
Delta R.T. 0.011 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:167 Resp: 3849

Ion	Ratio	Lower	Upper
167	100		
166	0.0	0.0	30.0
139	17.4	0.0	41.9

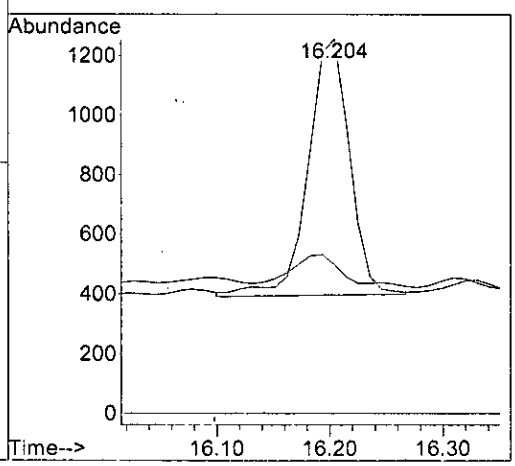


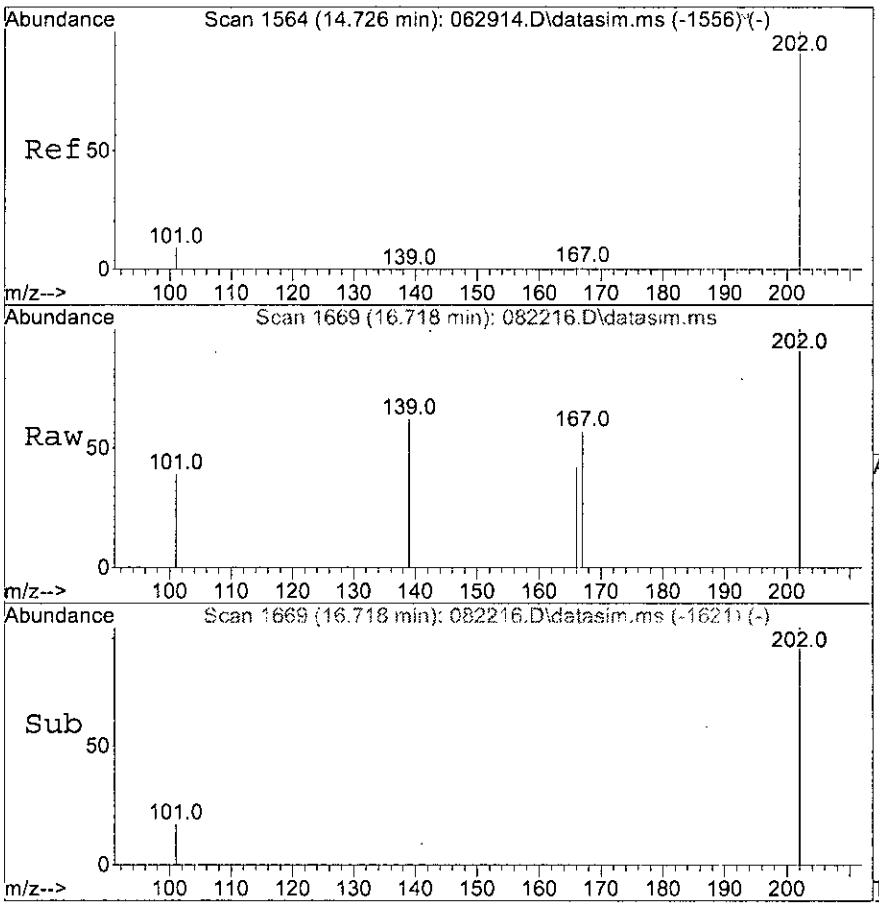


#65
Fluoranthene
Concen: 0.012 ug/ml
RT: 16.20 min Scan# 1620
Delta R.T. 0.011 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:202 Resp: 2187

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	38.3
203	0.0	0.0	30.0

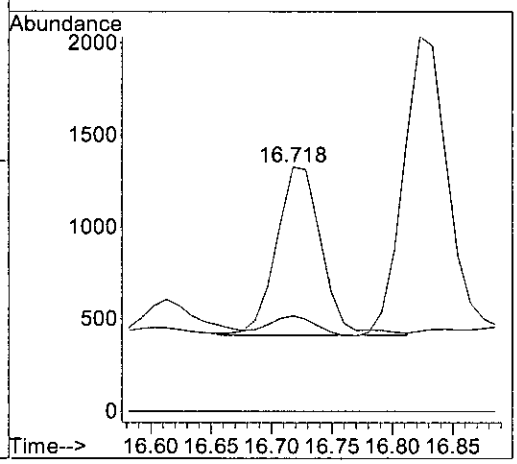


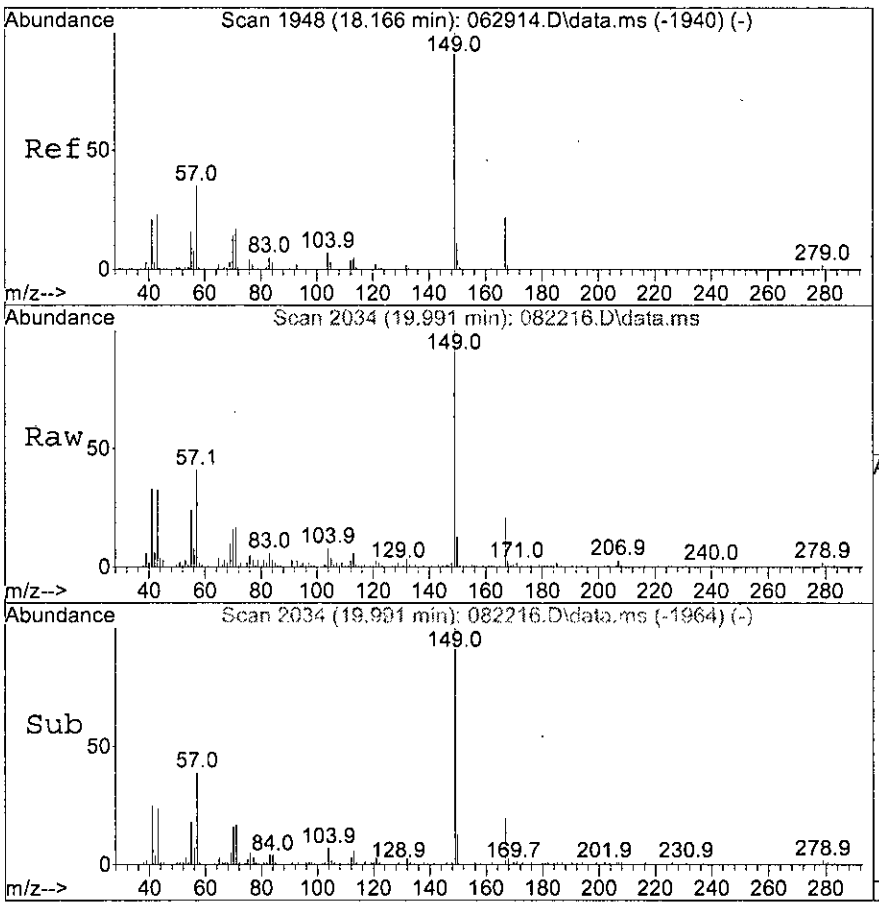


#68
Pyrene
Concen: 0.012 ug/ml
RT: 16.72 min Scan# 1669
Delta R.T. 0.001 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:202 Resp: 2390

Ion	Ratio	Lower	Upper
202	100		
101	5.3	0.0	39.8
203	0.0	0.0	30.0

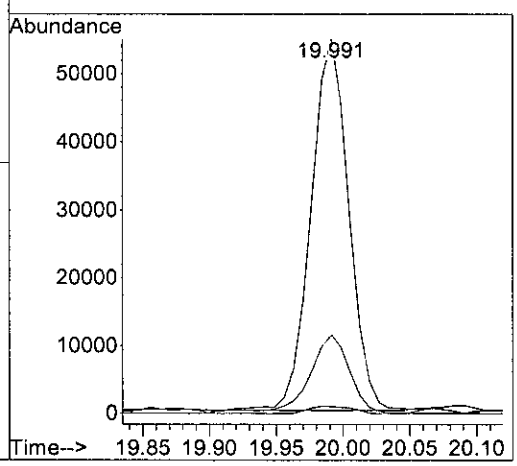




#74
Bis(2-ethylhexyl) phthalate
Concen: 1.192 ug/ml
RT: 19.99 min Scan# 2034
Delta R.T. 0.000 min
Lab File: 082216.D
Acq: 22 Aug 2022 5:55 pm

Tgt Ion:149 Resp: 107973

Ion	Ratio	Lower	Upper
149	100		
167	21.2	0.0	52.2
279	1.8	0.0	32.1



Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:37:17 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.48	152	275075	8.000	ug/ml	0.00
17) Naphthalene-d8	7.05	136	909916	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.10	164	569025	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.35	188	1070432	8.000	ug/ml	0.01
66) Chrysene-d12	19.65	240	920677	8.000	ug/ml	0.00
75) Perylene-d12	22.83	264	802112	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.20	112	261182	7.140	ug/ml	0.06
Spiked Amount 15.000	Range 10 - 60		Recovery = 47.60%			
4) Phenol-d6	5.07	99	206852	4.704	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 49		Recovery = 31.33%			
18) Nitrobenzene-d5	6.11	82	431146	9.451	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 94.50%			
37) 2-Fluorobiphenyl	8.82	172	778397	7.782	ug/ml	0.01
Spiked Amount 10.000	Range 25 - 128		Recovery = 77.80%			
53) 2,4,6-Tribromophenol	11.79	330	303268	14.561	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 142		Recovery = 97.07%			
69) Terphenyl-d14	17.23	244	1251262	10.176	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 101.80%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.07	94	4697	N.D.		
6) Bis(2-chloroethyl) ether	0.00		0	N.D.	d	
7) 2-Chlorophenol	5.26	128	405	N.D.		
8) 1,3-Dichlorobenzene	5.48	146	296	N.D.		
9) 1,4-Dichlorobenzene	5.48	146	296	N.D.		
10) 1,2-Dichlorobenzene	5.67	146	326	N.D.		
11) Benzyl alcohol	5.63	108	173783	6.580	ug/ml	97
12) 2,2'-Oxybis(1-chloropr...	0.00		0	N.D.	d	
13) 2-Methylphenol	5.75	108	1123635	30.984	ug/ml	99
14) Hexachloroethane	0.00		0	N.D.	d	
15) N-Nitroso-di-n-propyla...	5.92	70	10110	0.336	ug/ml	73
16) 3-Methylphenol + 4-Met...	5.93	108	345979	9.231	ug/ml#	66
19) Nitrobenzene	0.00		0	N.D.	d	
20) Isophorone	6.44	82	2090	N.D.		
21) 2-Nitrophenol	6.50	139	1387	N.D.		
22) 2,4-Dimethylphenol	6.62	107	1794076	41.582	ug/ml	91
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:37:17 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24) Bis(2-chloroethoxy)met...	0.00		0	N.D. d		
25) 2,4-Dichlorophenol	0.00		0	N.D.		
26) 1,2,4-Trichlorobenzene	6.98	180	297	N.D.		
27] Naphthalene	7.08	128	141828	1.050	ug/ml	100
28) Hexachlorobutadiene	0.00		0	N.D.		
29) 4-Chloroaniline	7.15	127	1807	N.D.		
30) 4-Chloro-3-methylphenol	0.00		0	N.D. d		
31] 2-Methylnaphthalene	8.17	142	7755	0.090	ug/ml	85
32] 1-Methylnaphthalene	8.33	142	7238	0.088	ug/ml	94
34) Hexachlorocyclopentadiene	0.00		0	N.D.		
35) 2,4,6-Trichlorophenol	0.00		0	N.D.		
36) 2,4,5-Trichlorophenol	0.00		0	N.D.		
38) 2-Chloronaphthalene	9.07	162	908	N.D.		
39) 2-Nitroaniline	9.23	65	24333	N.D.		
40) Dimethyl phthalate	9.61	163	4092	N.D.		
41] Acenaphthylene	9.73	152	45203m	0.299	ug/ml	
42) 2,6-Dinitrotoluene	0.00		0	N.D. d		
43) 3-Nitroaniline	10.00	65	32876	N.D.		
44) Acenaphthene	0.00		0	N.D. d		
45) 2,4-Dinitrophenol	0.00		0	N.D. d		
46) Dibenzofuran	0.00		0	N.D. d		
47) 2,4-Dinitrotoluene	10.50	165	1834	N.D.		
48) 4-Nitrophenol	0.00		0	N.D. d		
49) Diethyl phthalate	11.11	149	17658	N.D.		
50] Fluorene	11.26	166	1277m	0.012	ug/ml	
51) 4-Chlorophenyl phenyl ...	11.28	204	281	N.D.		
52) 1,2-Diphenylhydrazine	0.00		0	N.D. d		
55) N-Nitrosodiphenylamine	11.59	169	1038	N.D.		
56) 4-Nitroaniline	11.31	138	5870	N.D.		
57) 4,6-Dinitro-2-methylph...	11.29	198	371	N.D.		
58) 4-Bromophenyl phenyl e...	0.00		0	N.D.		
59) Hexachlorobenzene	0.00		0	N.D.		
60) Pentachlorophenol	0.00		0	N.D.		
61] Phenanthrene	13.40	178	5280	0.033	ug/ml	73
62] Anthracene	13.57	178	4060	0.026	ug/ml	83
63] Carbazole	13.93	167	3849	0.032	ug/ml	86
64) Di-n-butyl phthalate	14.94	149	20911	N.D.		
65] Fluoranthene	16.20	202	2187	0.012	ug/ml	100
67) Benzidine	16.55	184	435	N.D.		
68] Pyrene	16.72	202	2390	0.012	ug/ml	88
70) Benzyl butyl phthalate	18.48	149	1735	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:37:17 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

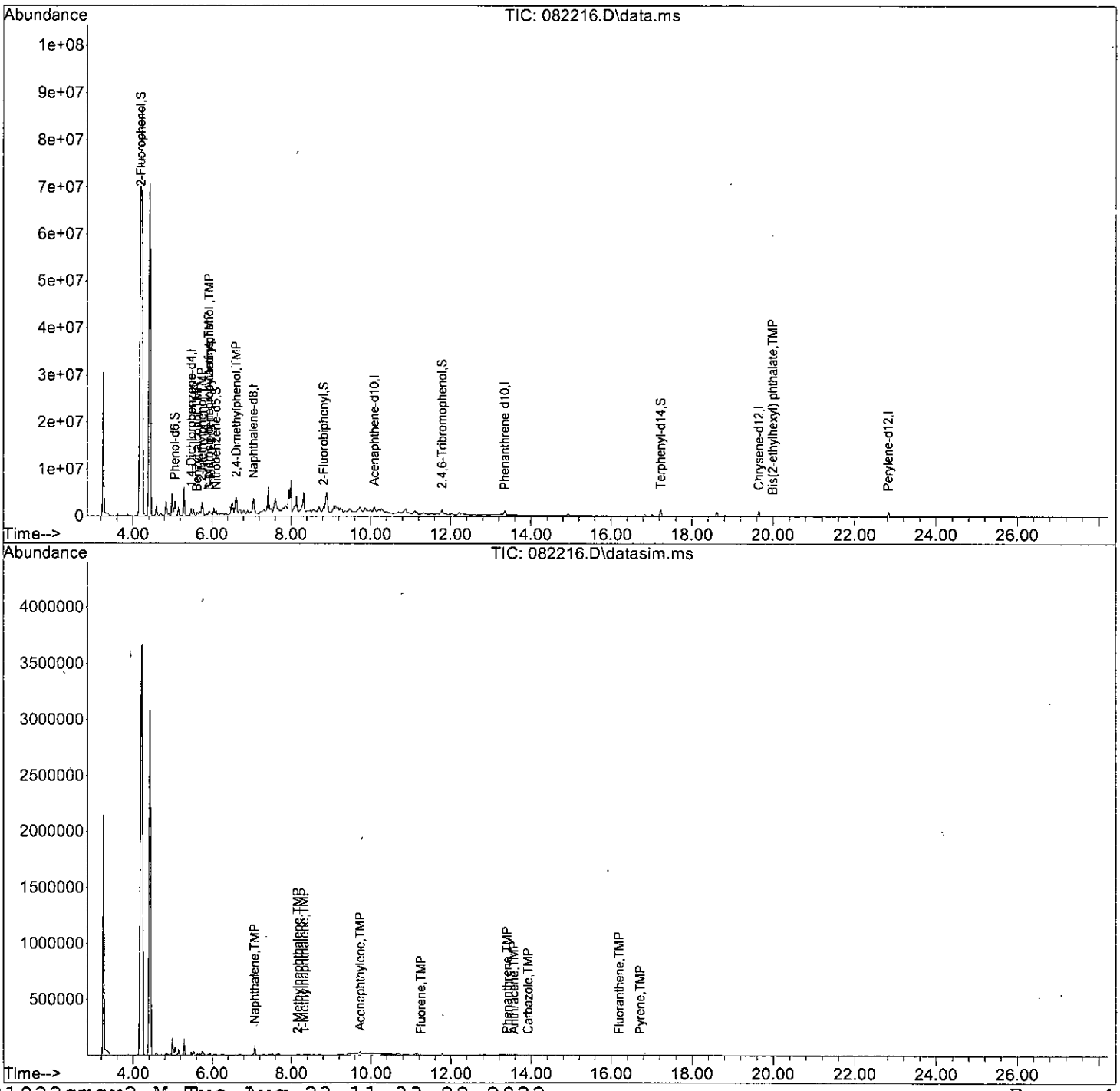
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.80	252	146	N.D.		
72) Benz(a)anthracene	19.65	228	3697	N.D.		
73) Chrysene	19.70	228	497	N.D.		
74) Bis(2-ethylhexyl) phth...	19.99	149	107973	1.192	ug/ml	98
76) Di-n-octyl phthalate	21.50	149	3976	N.D.		
77) Benzo(a)pyrene	22.70	252	462	N.D.		
78) Benzo(b)fluoranthene*	22.04	252	545	N.D.		
79) Benzo(k)fluoranthene	22.04	252	545	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.82	276	294	N.D.		
81) Dibenz(a,h)anthracene	24.88	278	148	N.D.		
82) Benzo(g,h,i)perylene	25.32	276	331	N.D.		

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

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082216.D
Acq On : 22 Aug 2022 5:55 pm
Operator : VM
Sample : 208257-03 1/2
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS9

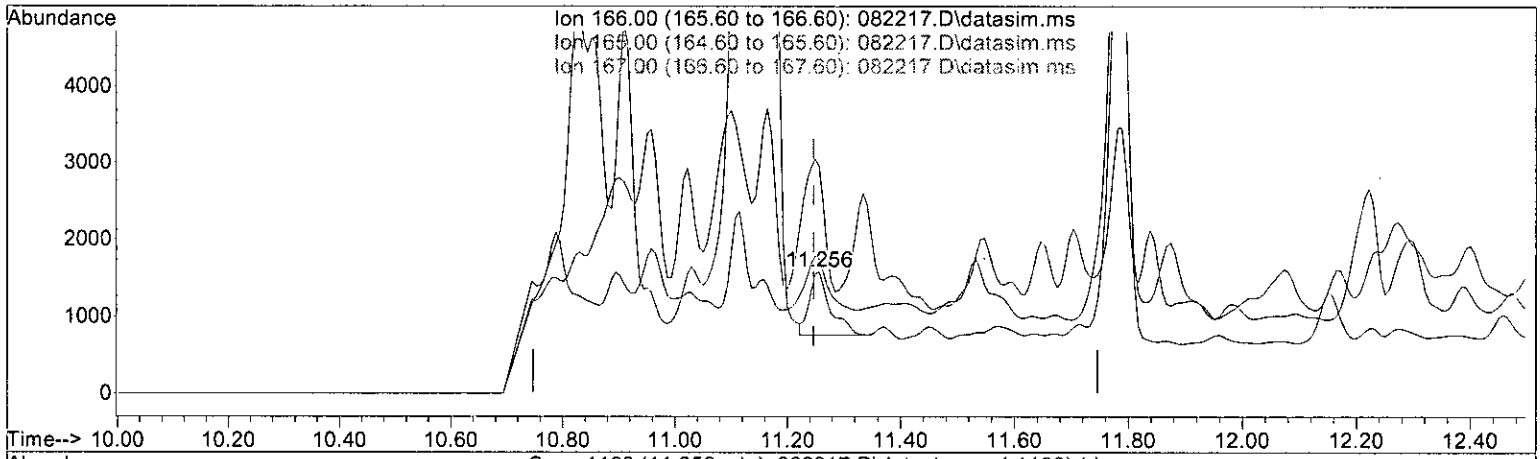
Quant Time: Aug 23 11:37:17 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

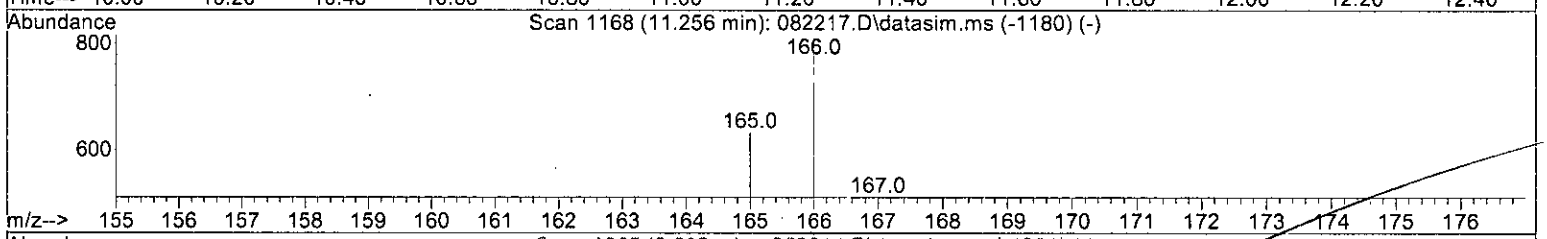


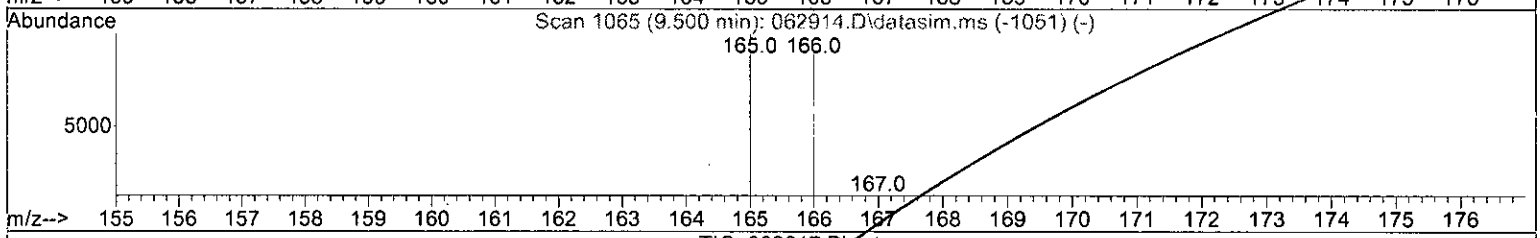
Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082217.D
Acq On : 22 Aug 2022 6:29 pm
Operator : VM
Sample : 208257-04 1/2
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:19:09 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M







TIC: 082217.D\data.ms

(50) Fluorene (TMP)

11.256min (+ 0.009) 0.019 ug/ml

response 2131

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	104.90	77.45
167.00	13.50	99.88#
0.00	0.00	0.00

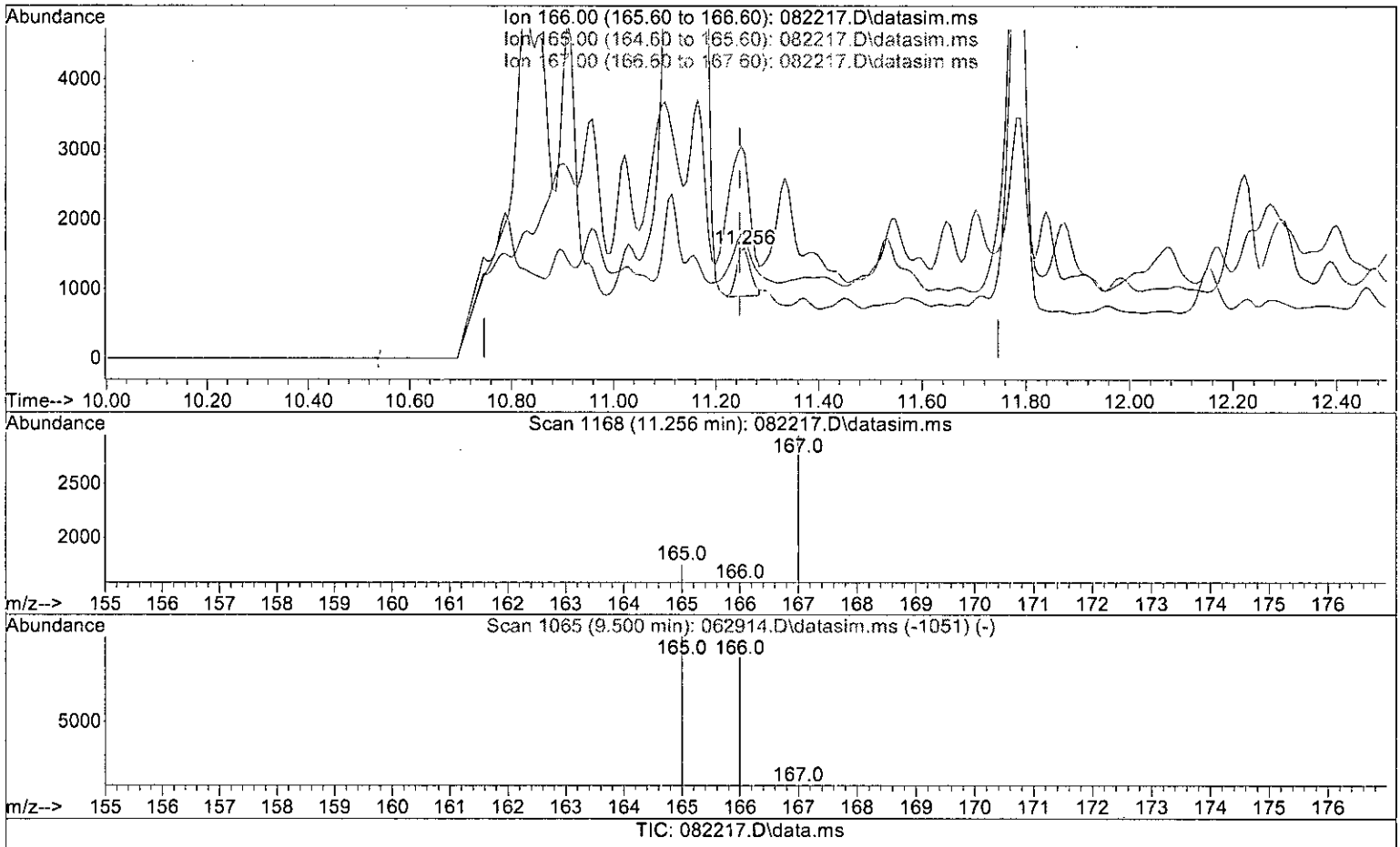
VM

AUG 23 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082217.D
Acq On : 22 Aug 2022 6:29 pm
Operator : VM
Sample : 208257-04 1/2
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:19:09 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 082217.D\data.ms

(50) Fluorene (TMP)

11.256min (+ 0.009) 0.011 ug/ml m

response 1309

Ion	Exp%	Act%
166.00	100.00	100.00
165.00	104.90	110.57
167.00	13.50	186.84#
0.00	0.00	0.00

VM

AUG 23 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082217.D
Acq On : 22 Aug 2022 6:29 pm
Operator : VM
Sample : 208257-04 1/2
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.48	152	274857	8.000	ug/ml	0.00
17) Naphthalene-d8	7.05	136	941076	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.10	164	593554	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.35	188	1115938	8.000	ug/ml	0.01
66) Chrysene-d12	19.65	240	989073	8.000	ug/ml	0.00
75) Perylene-d12	22.83	264	938354	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.20	112	266308	7.285	ug/ml	0.06
Spiked Amount 15.000	Range 10 - 60		Recovery = 48.60%			
4) Phenol-d6	5.07	99	213080	4.850	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 49		Recovery = 32.33%			
18) Nitrobenzene-d5	6.11	82	430156	9.117	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 91.20%			
37) 2-Fluorobiphenyl	8.82	172	785712	7.531	ug/ml	0.01
Spiked Amount 10.000	Range 25 - 128		Recovery = 75.30%			
53) 2,4,6-Tribromophenol	11.79	330	322720	14.855	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 142		Recovery = 99.07%			
69) Terphenyl-d14	17.23	244	1325976	10.038	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 100.40%			
Target Compounds						Qvalue
11) Benzyl alcohol	5.63	108	226083	8.567	ug/ml	86
13) 2-Methylphenol	5.75	108	742284	20.485	ug/ml	98
16) 3-Methylphenol + 4-Met...	5.93	108	312370	8.341	ug/ml#	69
22) 2,4-Dimethylphenol	6.63	107	3660492	82.032	ug/ml	91
27] Naphthalene	7.08	128	116844	0.836	ug/ml	99
31] 2-Methylnaphthalene	8.17	142	6829	0.077	ug/ml	82
32] 1-Methylnaphthalene	8.33	142	6142	0.072	ug/ml	92
41] Acenaphthylene	9.73	152	50228	0.319	ug/ml	80
46] Dibenzofuran	10.45	168	5141	0.030	ug/ml	47
50] Fluorene	11.26	166	1309m	0.011	ug/ml	
61] Phenanthrene	13.40	178	5918	0.035	ug/ml	78
62] Anthracene	13.57	178	4192	0.026	ug/ml	81
63] Carbazole	13.93	167	4551	0.036	ug/ml	95
65] Fluoranthene	16.20	202	2465	0.013	ug/ml	97
68] Pyrene	16.73	202	2743	0.013	ug/ml#	1
74) Bis(2-ethylhexyl) phth...	19.99	149	98221	1.010	ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082217.D
Acq On : 22 Aug 2022 6:29 pm
Operator : VM
Sample : 208257-04 1/2
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

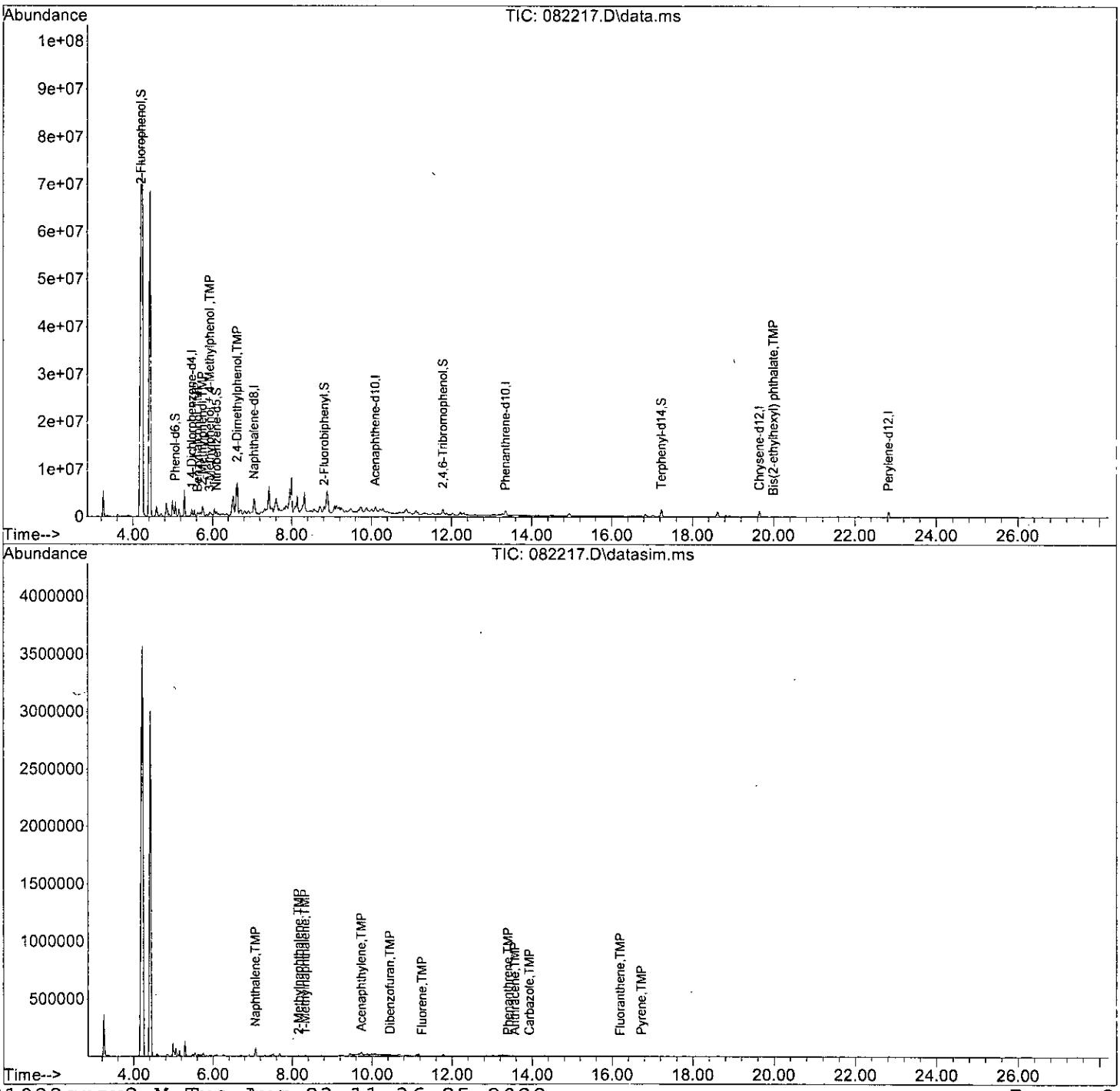
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

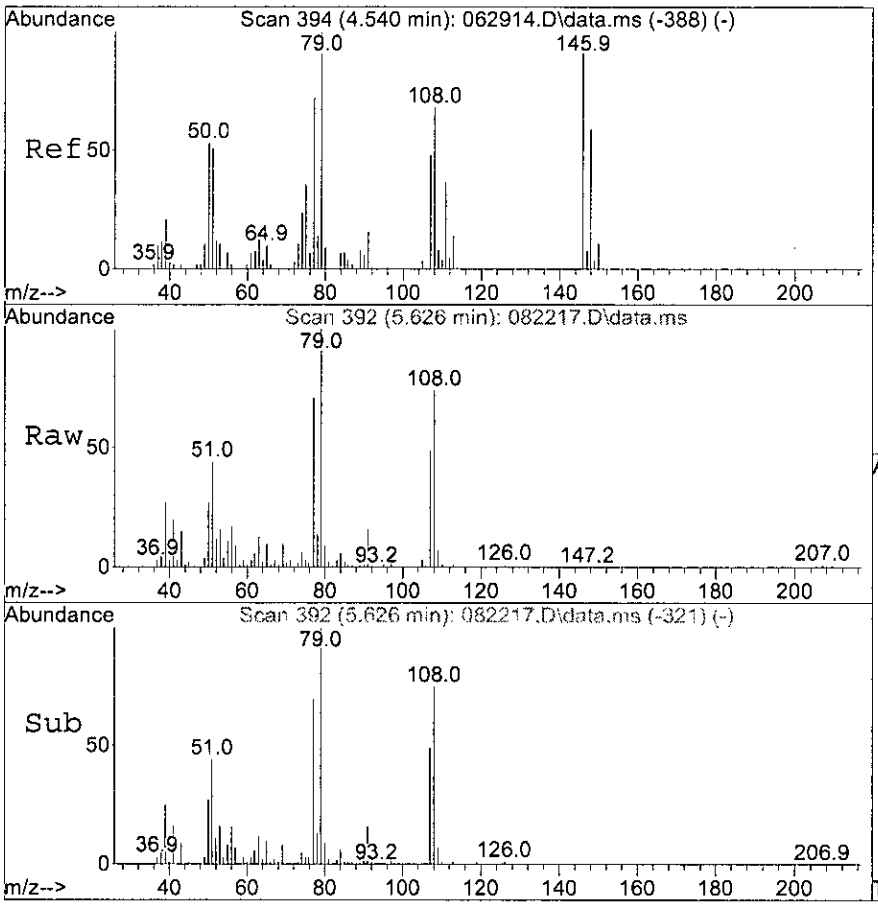
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082217.D
Acq On : 22 Aug 2022 6:29 pm
Operator : VM
Sample : 208257-04 1/2
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

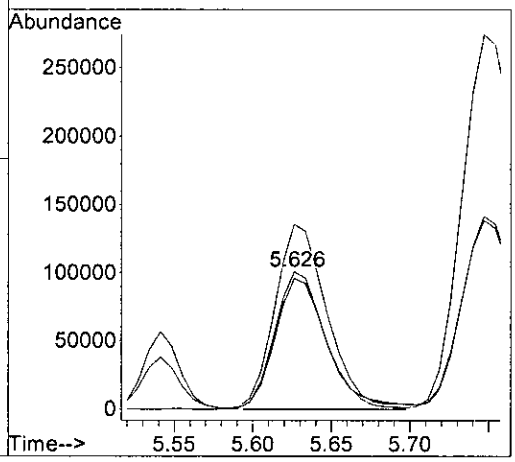


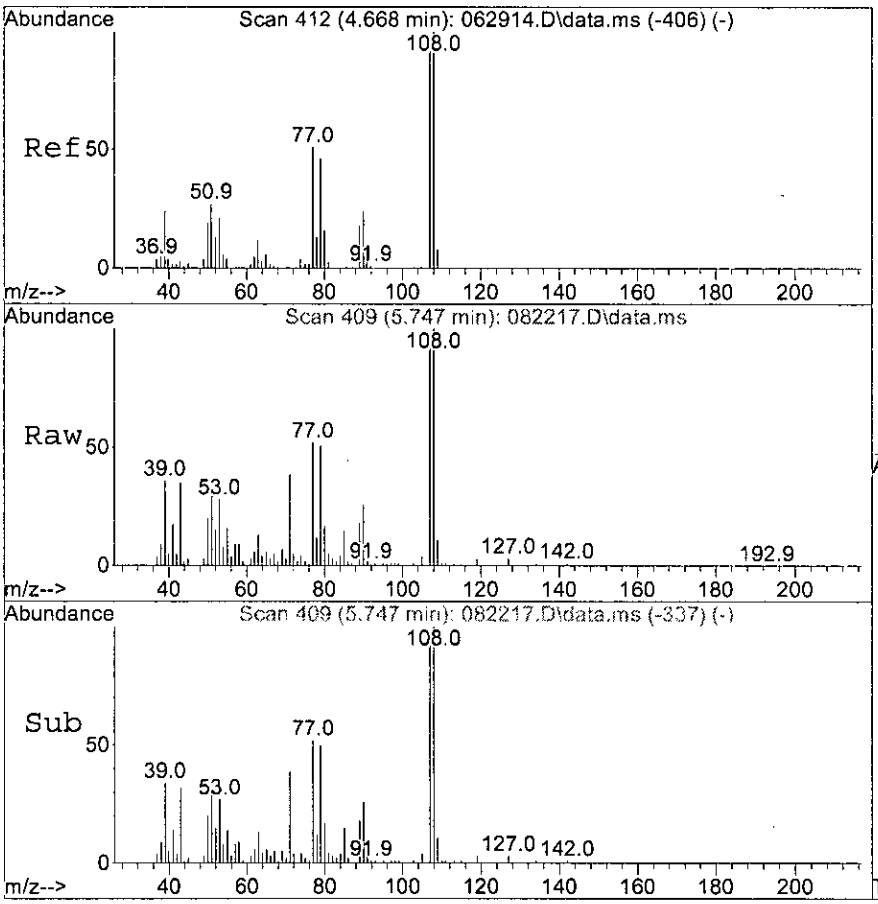


#11
Benzyl alcohol
Concen: 8.567 ug/ml
RT: 5.63 min Scan# 392
Delta R.T. 0.007 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:108 Resp: 226083

Ion	Ratio	Lower	Upper
108	100		
79	133.2	123.1	183.1
77	93.7	77.4	137.4

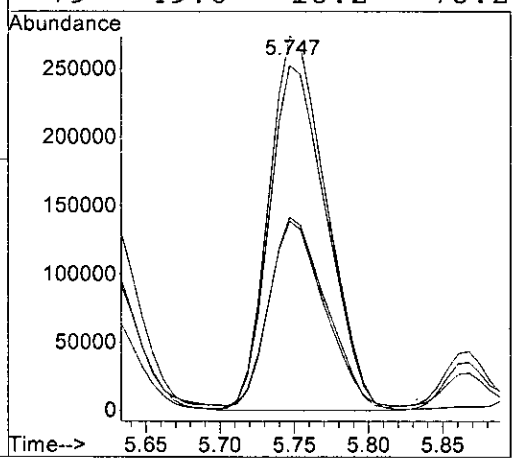


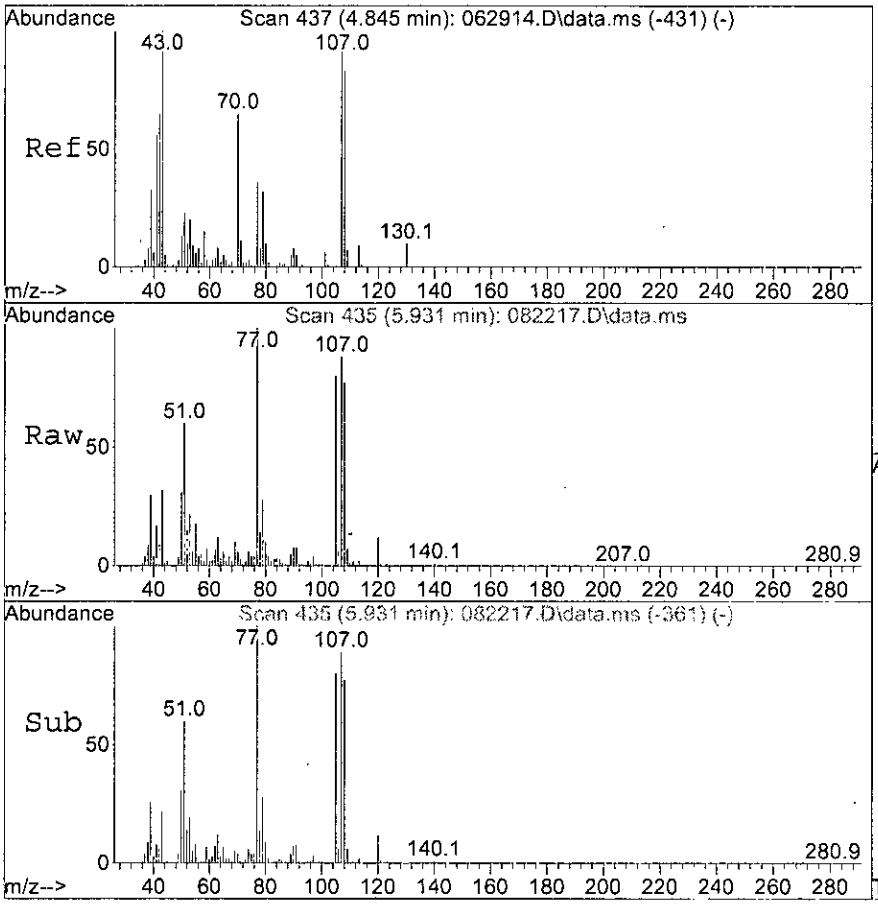


#13
2-Methylphenol
Concen: 20.485 ug/ml
RT: 5.75 min Scan# 409
Delta R.T. 0.014 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:108 Resp: 742284

Ion	Ratio	Lower	Upper
108	100		
107	92.2	61.9	121.9
77	50.5	17.3	77.3
79	49.6	18.2	78.2

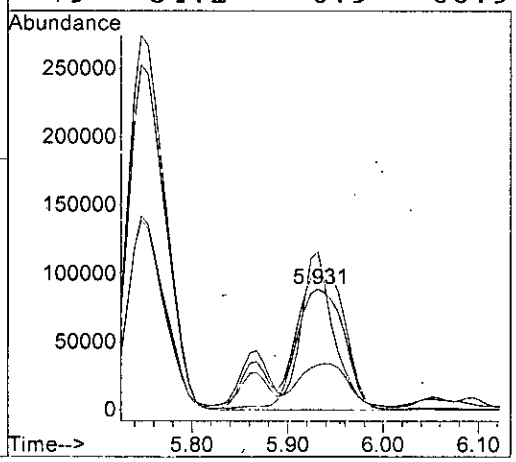


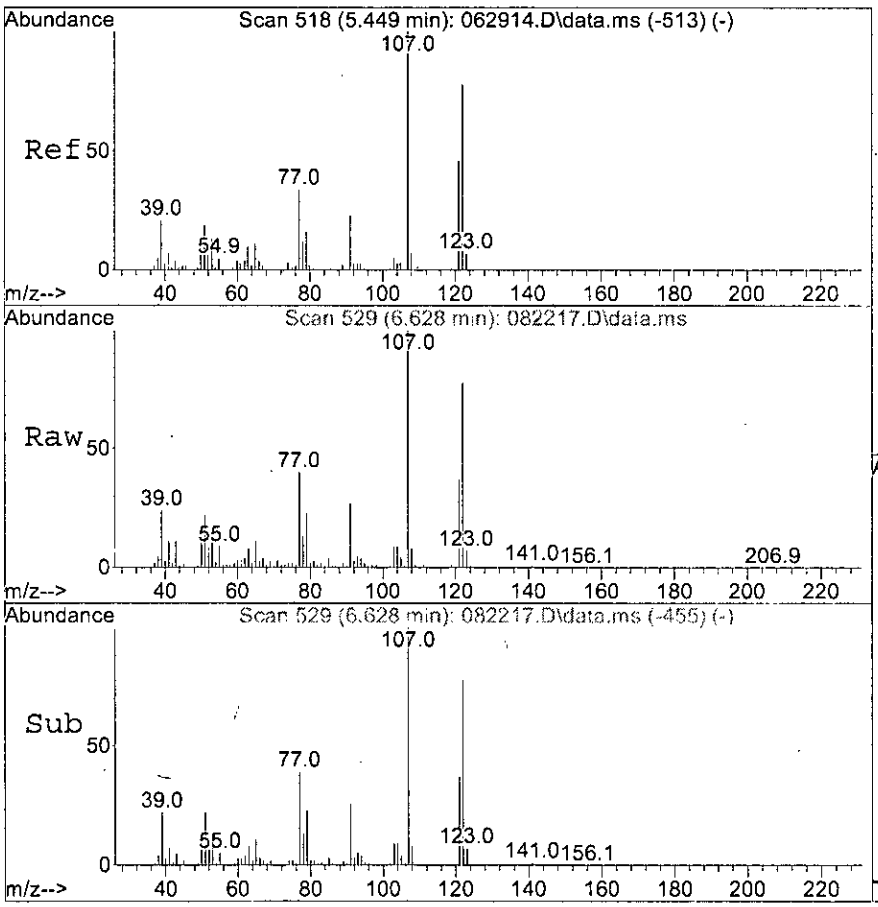


#16
3-Methylphenol + 4-Methylphen
Concen: 8.341 ug/ml
RT: 5.93 min Scan# 435
Delta R.T. 0.028 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:108 Resp: 312370

Ion	Ratio	Lower	Upper
108	100		
107	114.4	81.3	141.3
77	126.2	15.1	75.1#
79	34.2	6.9	66.9

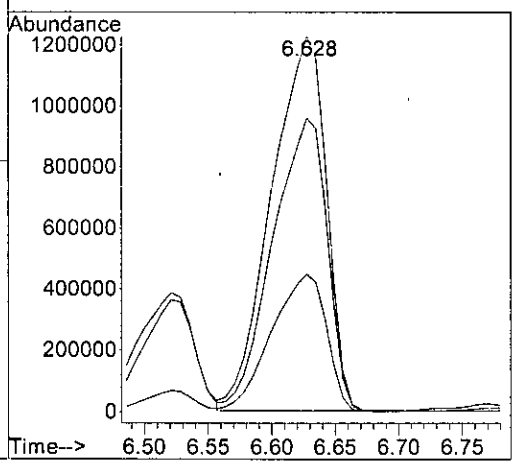


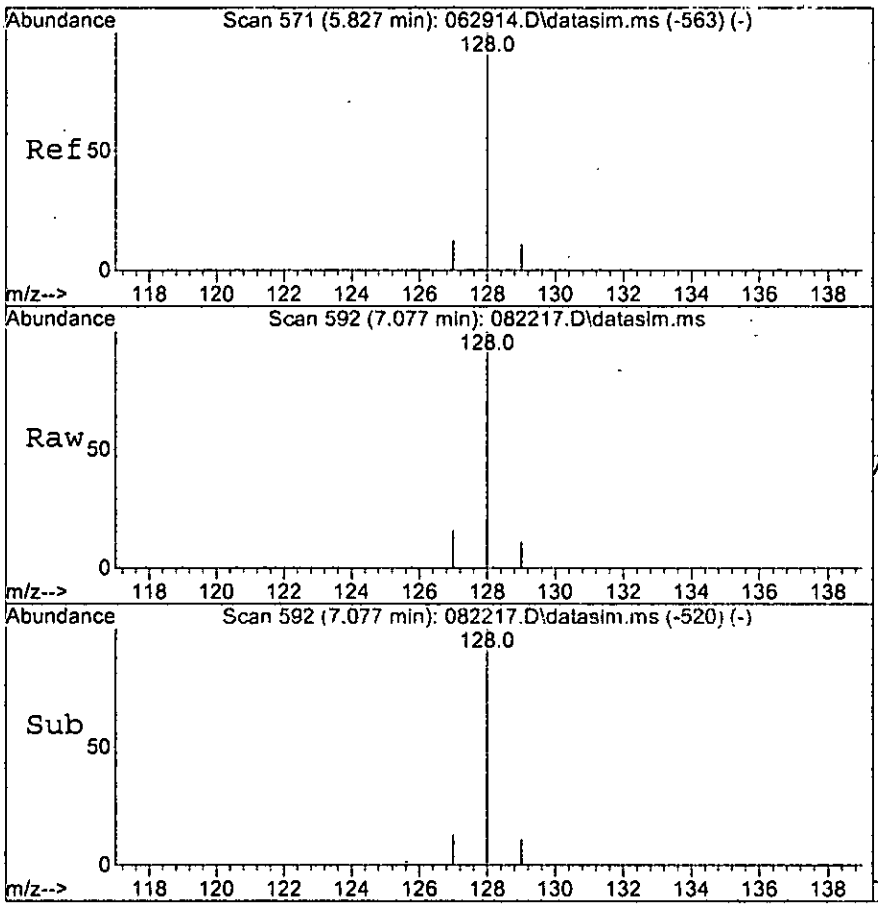


#22
2,4-Dimethylphenol
Concen: 82.032 ug/ml
RT: 6.63 min Scan# 529
Delta R.T. 0.057 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:107 Resp: 3660492

Ion	Ratio	Lower	Upper
107	100		
121	36.6	20.0	80.0
122	78.4	46.0	106.0

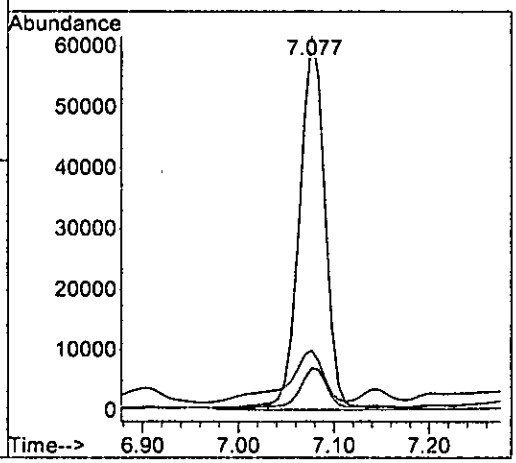


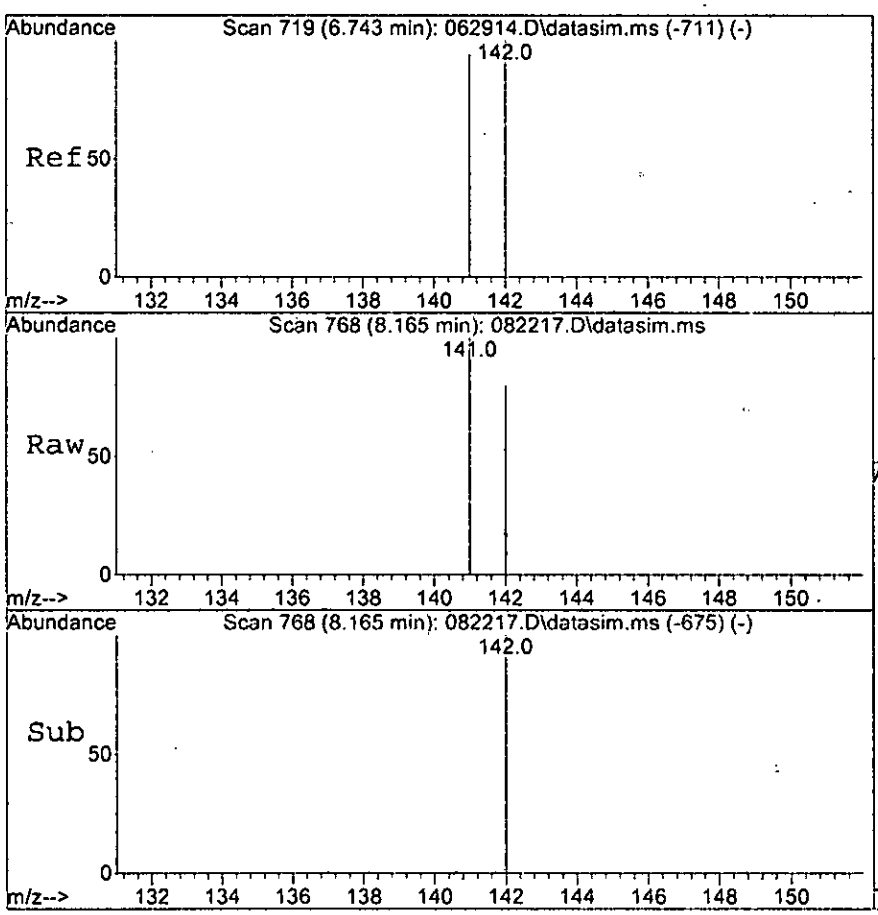


#27
Naphthalene
Concen: 0.836 ug/ml
RT: 7.08 min Scan# 592
Delta R.T. 0.008 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:128 Resp: 116844

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	40.7
127	13.8	0.0	43.6

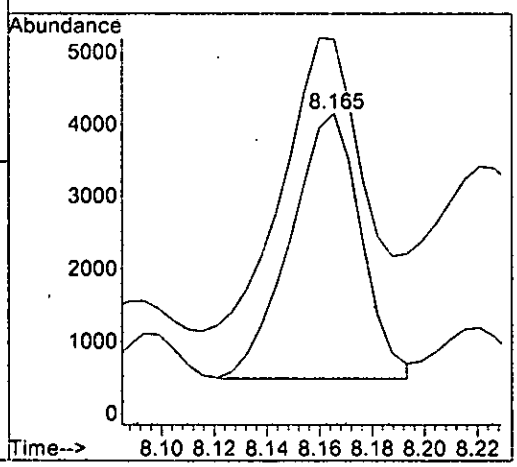


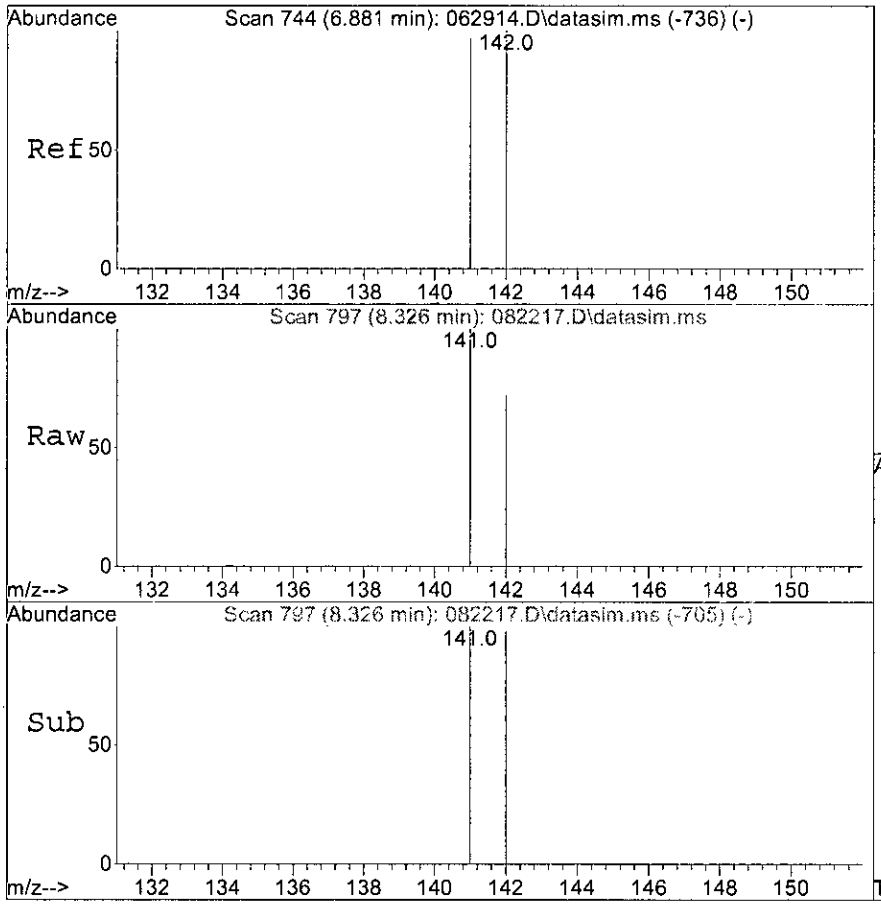


#31
2-Methylnaphthalene
Concen: 0.077 ug/ml
RT: 8.17 min Scan# 768
Delta R.T. 0.017 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:142 Resp: 6829

Ion	Ratio	Lower	Upper
142	100		
141	108.4	61.5	121.5

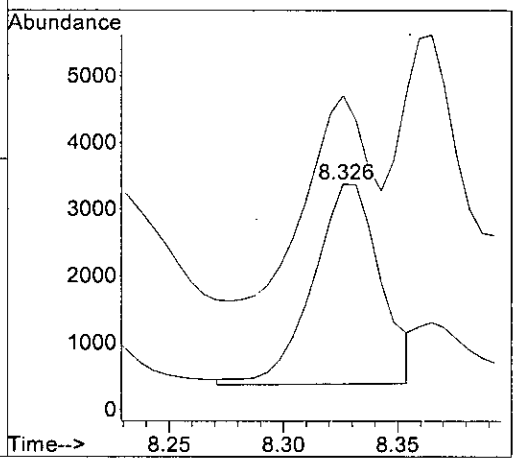


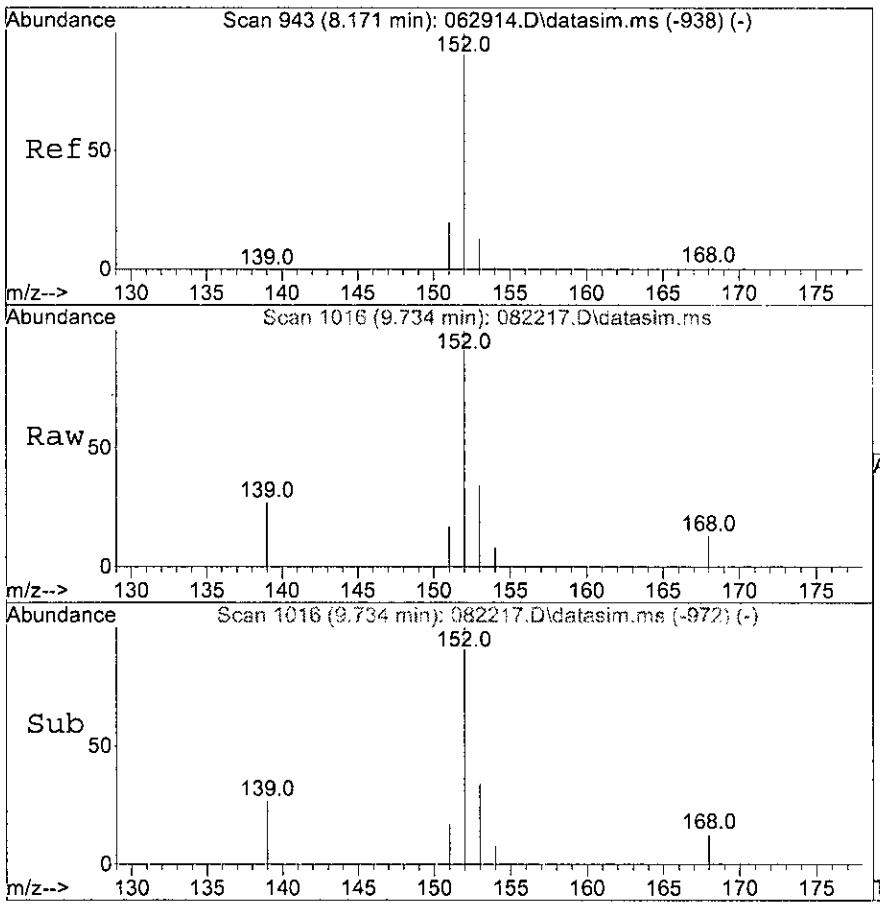


#32
1-Methylnaphthalene
Concen: 0.072 ug/ml
RT: 8.33 min Scan# 797
Delta R.T. 0.012 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:142 Resp: 6142

Ion	Ratio	Lower	Upper
142	100		
141	105.1	66.8	126.8

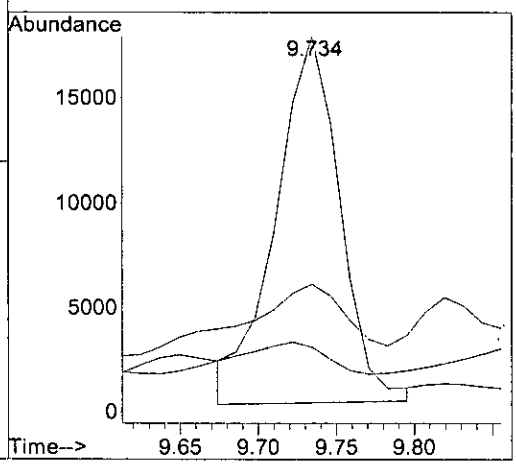


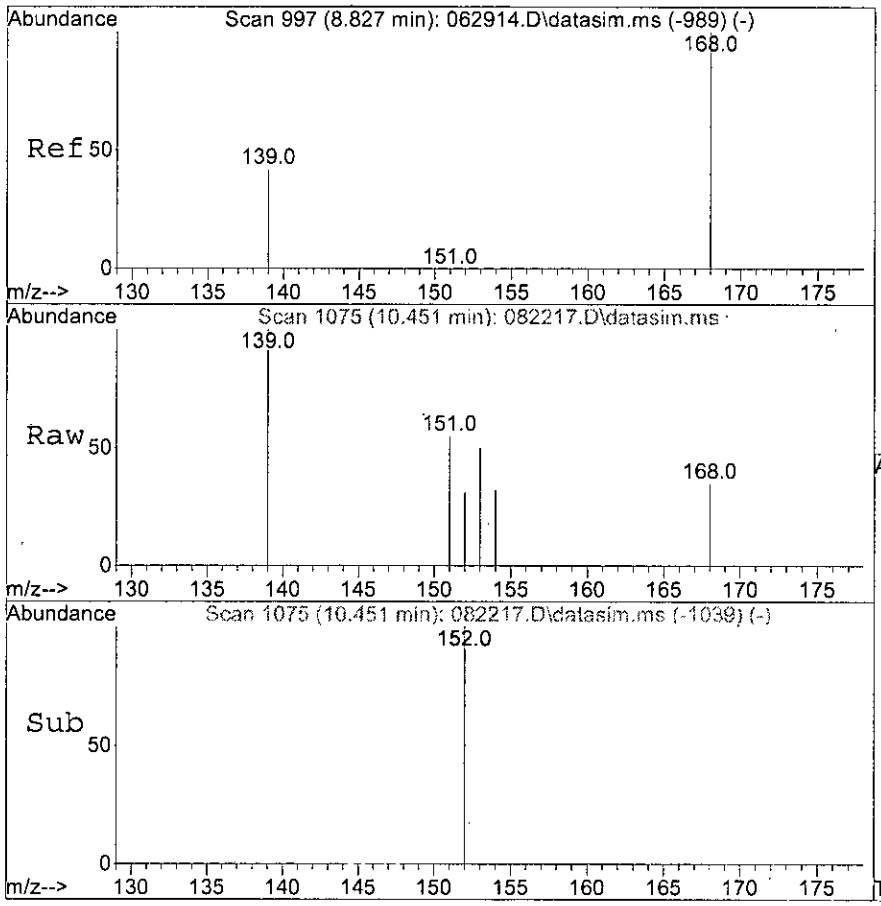


#41
Acenaphthylene
Concen: 0.319 ug/ml
RT: 9.73 min Scan# 1016
Delta R.T. -0.059 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:152 Resp: 50228

Ion	Ratio	Lower	Upper
152	100		
151	6.8	0.0	50.3
153	14.6	0.0	42.9

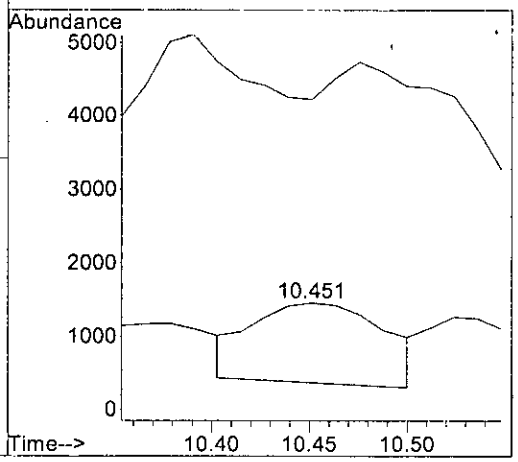


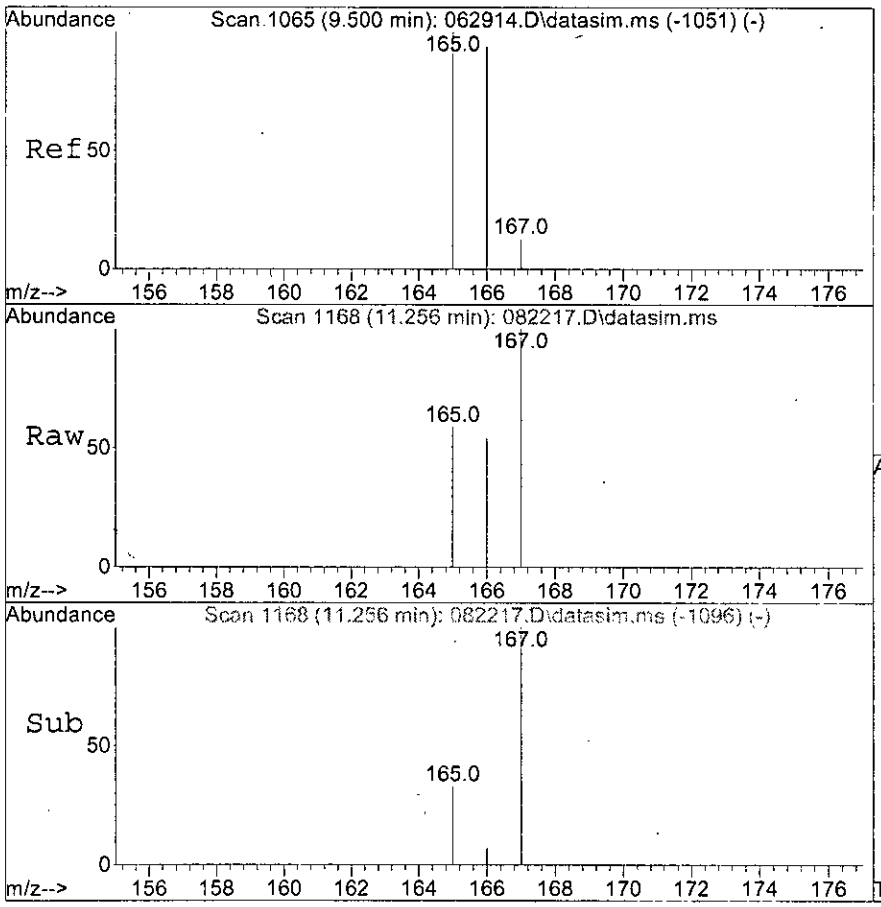


#46
Dibenzofuran
Concen: 0.030 ug/ml
RT: 10.45 min Scan# 1075
Delta R.T. -0.058 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:168 Resp: 5141

Ion	Ratio	Lower	Upper
168	100		
139	0.0	0.0	57.9

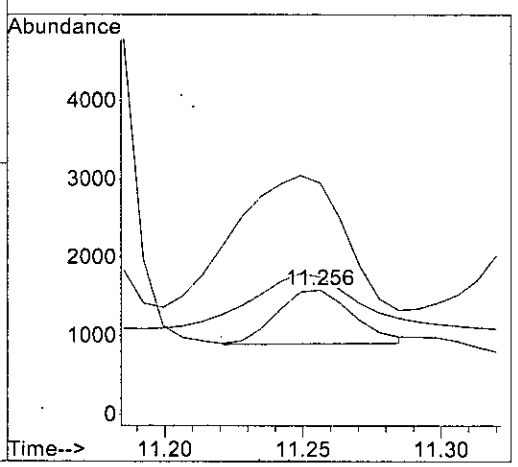


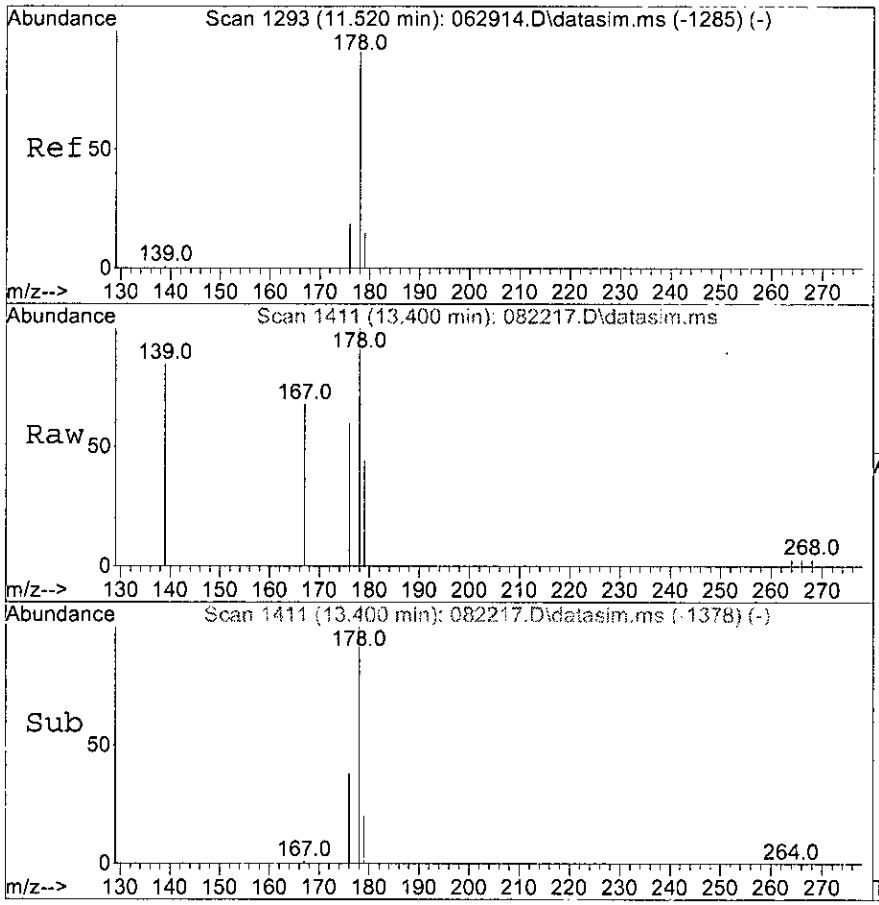


#50
Fluorene
Concen: 0.011 ug/ml m
RT: 11.26 min Scan# 1168
Delta R.T. 0.009 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:166 Resp: 1309

Ion	Ratio	Lower	Upper
166	100		
165	110.6	74.9	134.9
167	186.8	0.0	43.5#

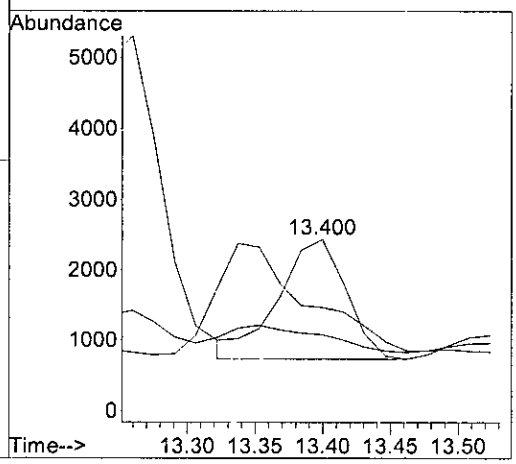


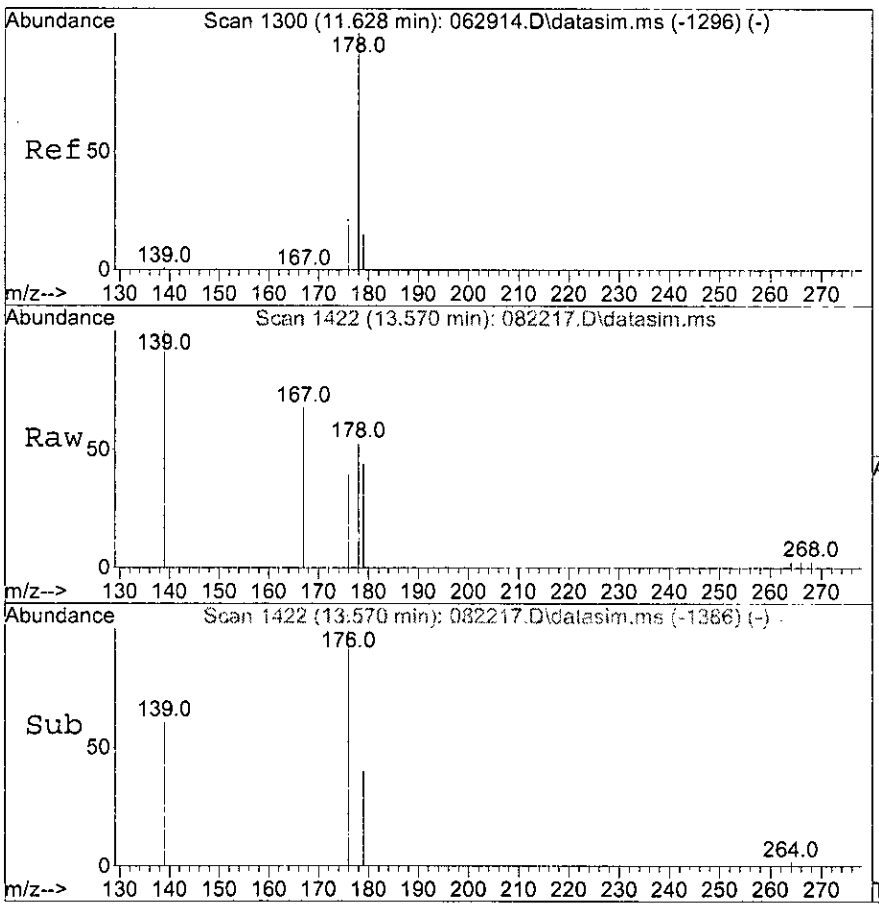


#61
Phenanthrene
Concen: 0.035 ug/ml
RT: 13.40 min Scan# 1411
Delta R.T. 0.011 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:178 Resp: 5918

Ion	Ratio	Lower	Upper
178	100		
179	14.8	0.0	45.4
176	36.3	0.0	49.0

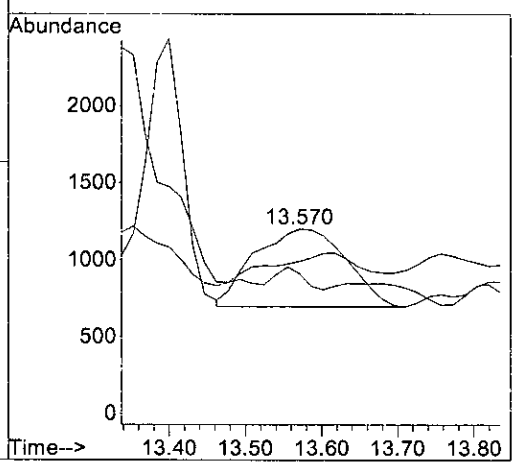


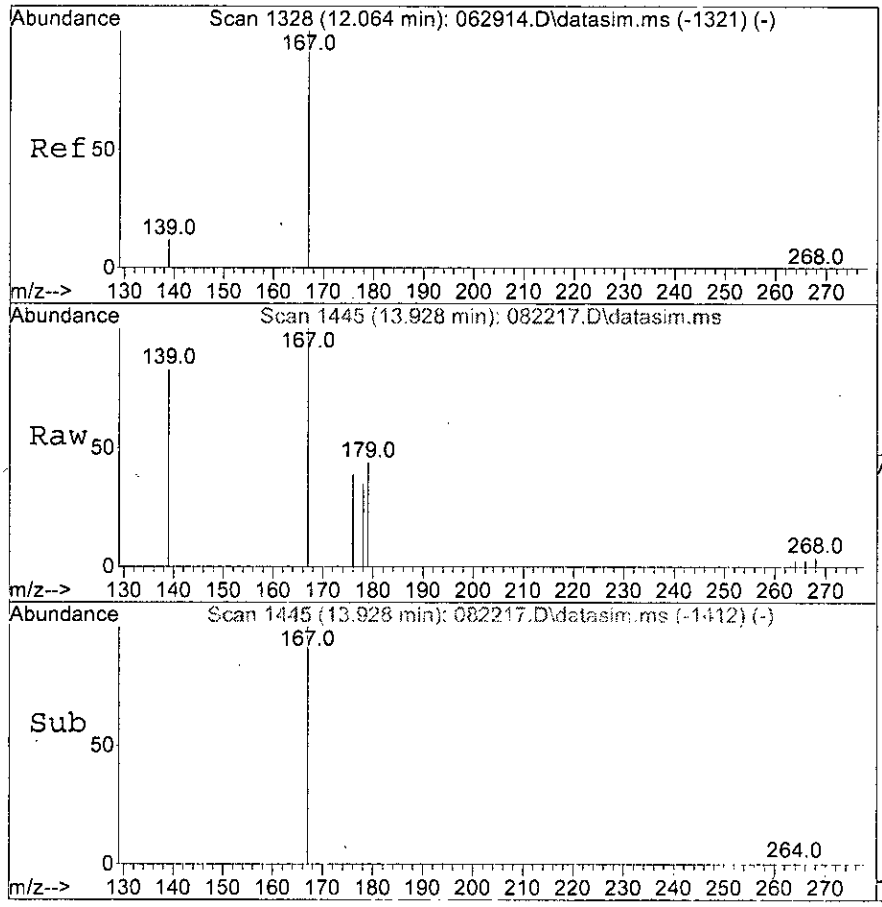


#62
Anthracene
Concen: 0.026 ug/ml
RT: 13.57 min Scan# 1422
Delta R.T. 0.057 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:178 Resp: 4192

Ion	Ratio	Lower	Upper
178	100		
179	31.5	0.0	44.8
176	18.5	0.0	49.4

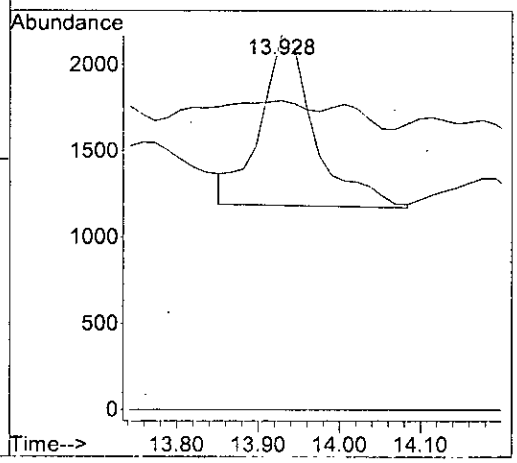


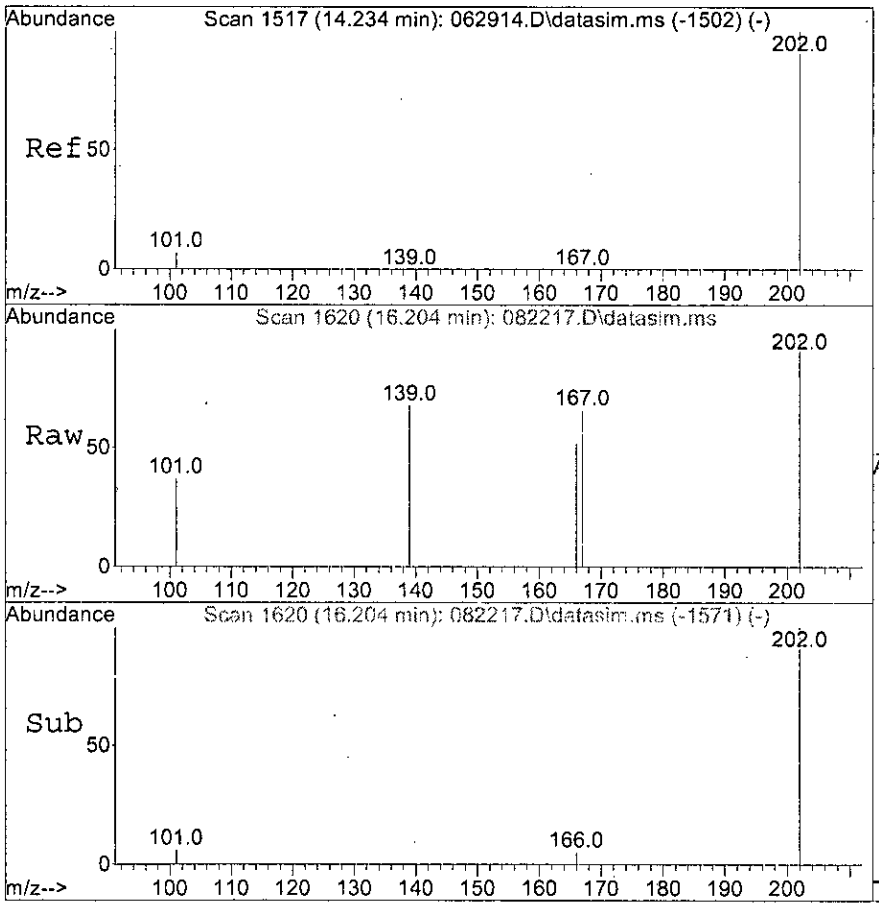


#63
Carbazole
Concen: 0.036 ug/ml
RT: 13.93 min Scan# 1445
Delta R.T. 0.011 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:167 Resp: 4551

Ion	Ratio	Lower	Upper
167	100		
166	0.0	0.0	30.0
139	13.7	0.0	41.9

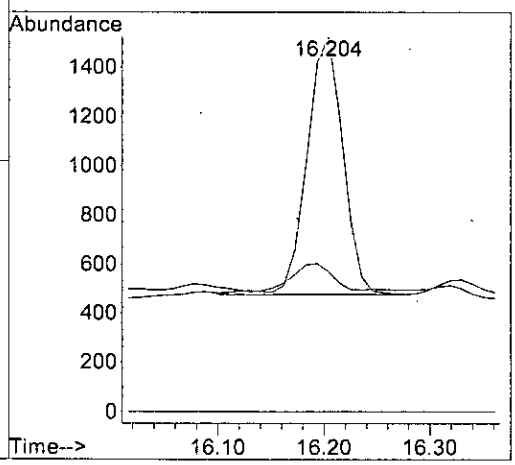


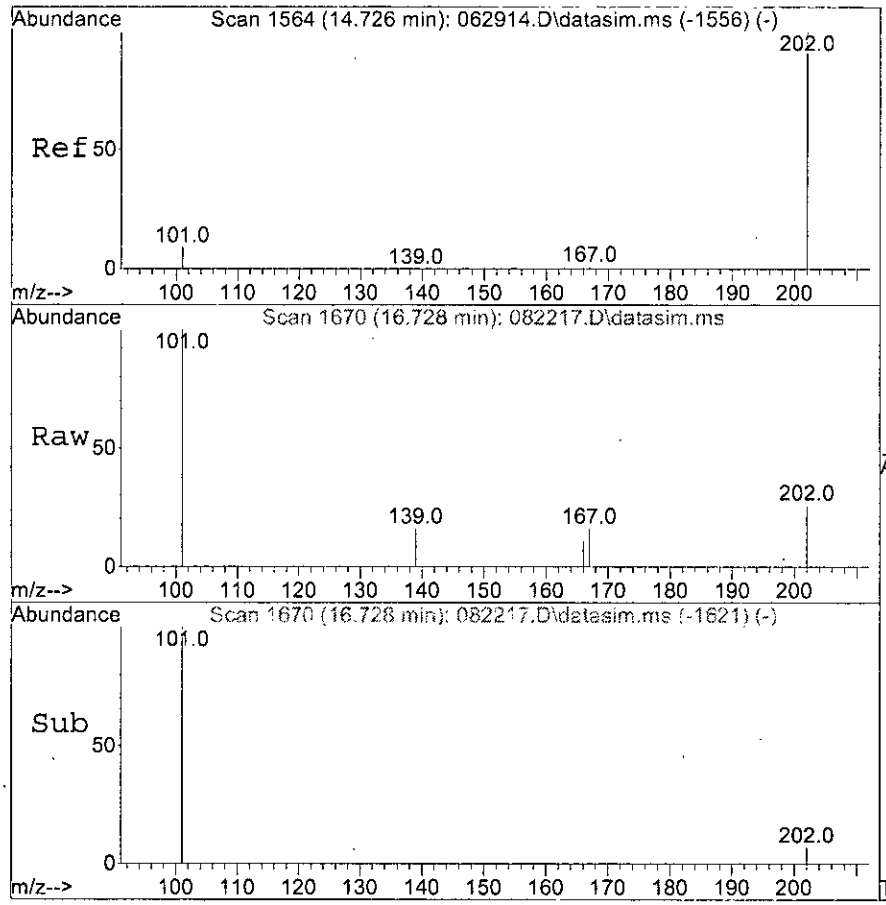


#65
Fluoranthene
Concen: 0.013 ug/ml
RT: 16.20 min Scan# 1620
Delta R.T. 0.011 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:202 Resp: 2465

Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	38.3
203	0.0	0.0	30.0

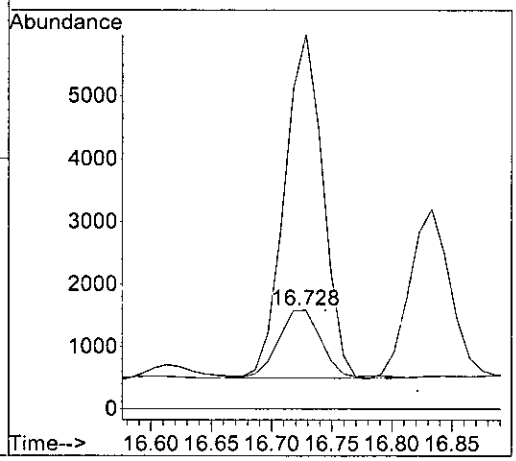


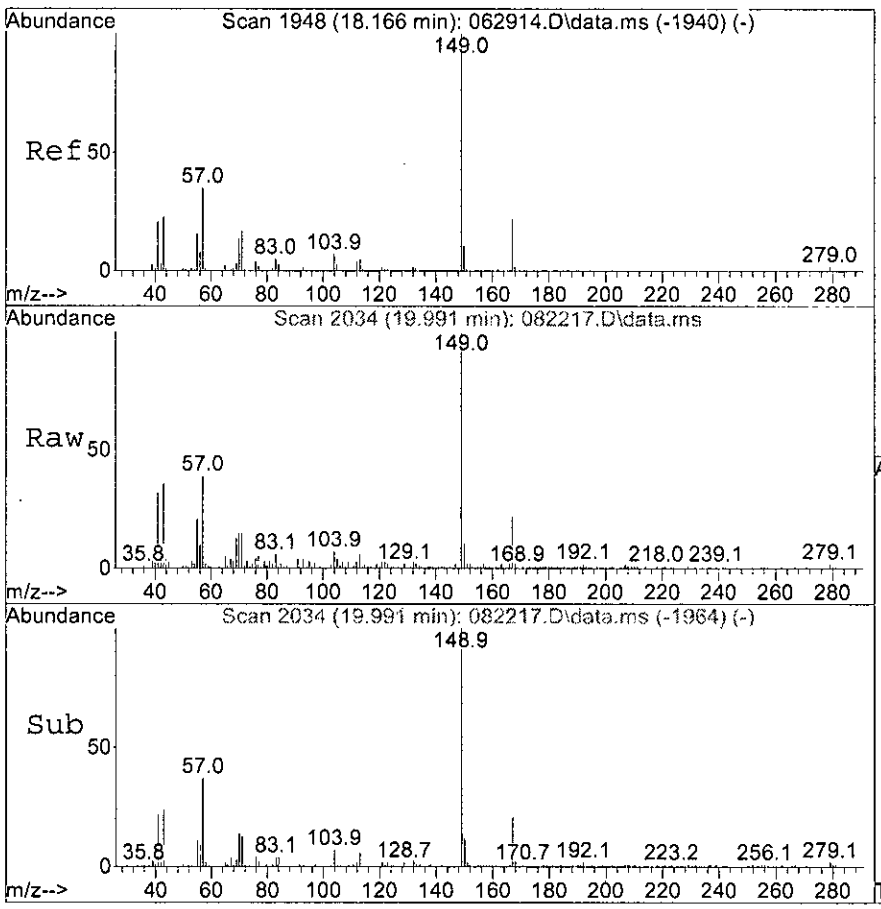


#68
Pyrene
Concen: 0.013 ug/ml
RT: 16.73 min Scan# 1670
Delta R.T. 0.011 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:202 Resp: 2743

Ion	Ratio	Lower	Upper
202	100		
101	501.1	0.0	39.8#
203	0.0	0.0	30.0

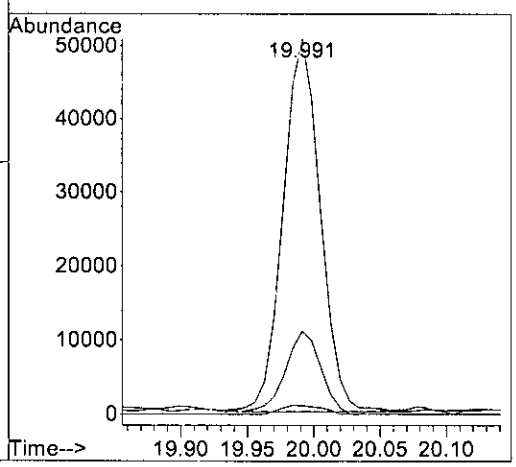




#74
Bis(2-ethylhexyl) phthalate
Concen: 1.010 ug/ml
RT: 19.99 min Scan# 2034
Delta R.T. 0.000 min
Lab File: 082217.D
Acq: 22 Aug 2022 6:29 pm

Tgt Ion:149 Resp: 98221

Ion	Ratio	Lower	Upper
149	100		
167	21.0	0.0	52.2
279	2.2	0.0	32.1



Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082217.D
Acq On : 22 Aug 2022 6:29 pm
Operator : VM
Sample : 208257-04 1/2
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.48	152	274857	8.000	ug/ml	0.00
17) Naphthalene-d8	7.05	136	941076	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.10	164	593554	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.35	188	1115938	8.000	ug/ml	0.01
66) Chrysene-d12	19.65	240	989073	8.000	ug/ml	0.00
75) Perylene-d12	22.83	264	938354	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.20	112	266308	7.285	ug/ml	0.06
Spiked Amount 15.000	Range 10 - 60		Recovery = 48.60%			
4) Phenol-d6	5.07	99	213080	4.850	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 49		Recovery = 32.33%			
18) Nitrobenzene-d5	6.11	82	430156	9.117	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 91.20%			
37) 2-Fluorobiphenyl	8.82	172	785712	7.531	ug/ml	0.01
Spiked Amount 10.000	Range 25 - 128		Recovery = 75.30%			
53) 2,4,6-Tribromophenol	11.79	330	322720	14.855	ug/ml	0.02
Spiked Amount 15.000	Range 10 - 142		Recovery = 99.07%			
69) Terphenyl-d14	17.23	244	1325976	10.038	ug/ml	0.01
Spiked Amount 10.000	Range 41 - 138		Recovery = 100.40%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.00		0	N.D.		
5) Phenol	5.07	94	4487	N.D.		
6) Bis(2-chloroethyl) ether	0.00		0	N.D.	d	
7) 2-Chlorophenol	5.28	128	497	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.		
9) 1,4-Dichlorobenzene	0.00		0	N.D.		
10) 1,2-Dichlorobenzene	5.67	146	278	N.D.		
11) Benzyl alcohol	5.63	108	226083	8.567	ug/ml	86
12) 2,2'-Oxybis(1-chloropr...	0.00		0	N.D.	d	
13) 2-Methylphenol	5.75	108	742284	20.485	ug/ml	98
14) Hexachloroethane	0.00		0	N.D.	d	
15) N-Nitroso-di-n-propyla...	0.00		0	N.D.	d	
16) 3-Methylphenol + 4-Met...	5.93	108	312370	8.341	ug/ml#	69
19) Nitrobenzene	6.17	77	4213	N.D.		
20) Isophorone	6.37	82	6962	N.D.		
21) 2-Nitrophenol	6.50	139	1821	N.D.		
22) 2,4-Dimethylphenol	6.63	107	3660492	82.032	ug/ml	91
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082217.D
Acq On : 22 Aug 2022 6:29 pm
Operator : VM
Sample : 208257-04 1/2
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	0.00		0	N.D.	d	
25)	2,4-Dichlorophenol	0.00		0	N.D.		
26)	1,2,4-Trichlorobenzene	7.05	180	3363	N.D.		
27]	Naphthalene	7.08	128	116844	0.836	ug/ml	99
28)	Hexachlorobutadiene	0.00		0	N.D.		
29)	4-Chloroaniline	7.15	127	2728	N.D.		
30)	4-Chloro-3-methylphenol	0.00		0	N.D.	d	
31]	2-Methylnaphthalene	8.17	142	6829	0.077	ug/ml	82
32]	1-Methylnaphthalene	8.33	142	6142	0.072	ug/ml	92
34)	Hexachlorocyclopentadiene	0.00		0	N.D.		
35)	2,4,6-Trichlorophenol	8.76	196	490	N.D.		
36)	2,4,5-Trichlorophenol	8.76	196	490	N.D.		
38)	2-Chloronaphthalene	8.97	162	4929	N.D.		
39)	2-Nitroaniline	9.24	65	26599	N.D.		
40)	Dimethyl phthalate	9.64	163	1066	N.D.		
41]	Acenaphthylene	9.73	152	50228	0.319	ug/ml	80
42)	2,6-Dinitrotoluene	9.70	165	384	N.D.		
43)	3-Nitroaniline	10.00	65	27765	N.D.		
44)	Acenaphthene	0.00		0	N.D.	d	
45)	2,4-Dinitrophenol	0.00		0	N.D.	d	
46]	Dibenzofuran	10.45	168	5141	0.030	ug/ml	47
47)	2,4-Dinitrotoluene	10.51	165	2855	N.D.		
48)	4-Nitrophenol	0.00		0	N.D.	d	
49)	Diethyl phthalate	11.11	149	20787	N.D.		
50]	Fluorene	11.26	166	1309m	0.011	ug/ml	
51)	4-Chlorophenyl phenyl ...	11.34	204	495	N.D.		
52)	1,2-Diphenylhydrazine	0.00		0	N.D.	d	
55)	N-Nitrosodiphenylamine	11.48	169	1316	N.D.		
56)	4-Nitroaniline	11.30	138	3677	N.D.		
57)	4,6-Dinitro-2-methylph...	11.39	198	520	N.D.		
58)	4-Bromophenyl phenyl e...	0.00		0	N.D.		
59)	Hexachlorobenzene	0.00		0	N.D.		
60)	Pentachlorophenol	0.00		0	N.D.		
61]	Phenanthrene	13.40	178	5918	0.035	ug/ml	78
62]	Anthracene	13.57	178	4192	0.026	ug/ml	81
63]	Carbazole	13.93	167	4551	0.036	ug/ml	95
64)	Di-n-butyl phthalate	14.94	149	30191	N.D.		
65]	Fluoranthene	16.20	202	2465	0.013	ug/ml	97
67)	Benzidine	16.63	184	224	N.D.		
68]	Pyrene	16.73	202	2743	0.013	ug/ml#	1
70)	Benzyl butyl phthalate	18.52	149	4406	N.D.		

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082217.D
Acq On : 22 Aug 2022 6:29 pm
Operator : VM
Sample : 208257-04 1/2
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

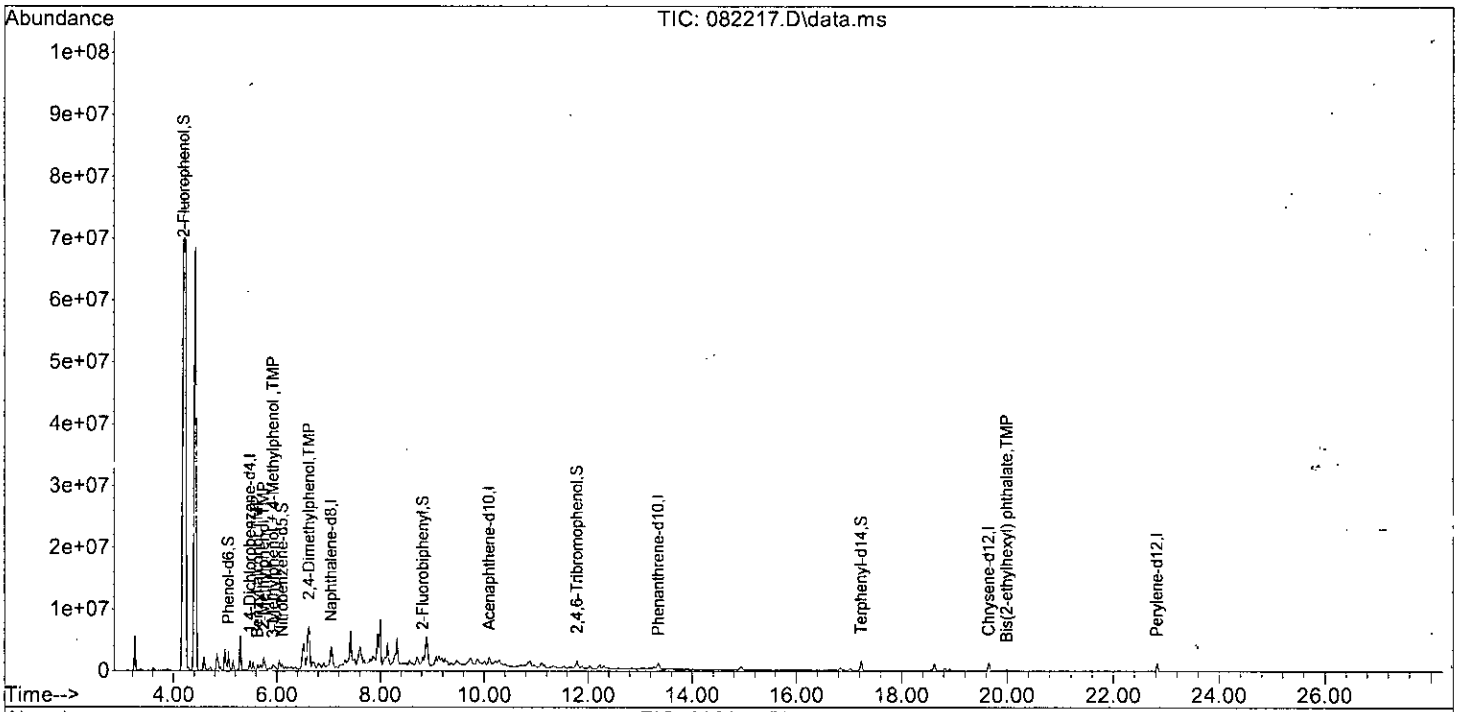
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	19.76	252	471	N.D.		
72) Benz(a)anthracene	19.65	228	3944	N.D.		
73) Chrysene	19.71	228	566	N.D.		
74) Bis(2-ethylhexyl) phth...	19.99	149	98221	1.010	ug/ml	98
76) Di-n-octyl phthalate	21.50	149	3996	N.D.		
77) Benzo(a)pyrene	22.70	252	552	N.D.		
78) Benzo(b)fluoranthene	22.04	252	683	N.D.		
79) Benzo(k)fluoranthene	22.04	252	683	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.82	276	352	N.D.		
81) Dibenz(a,h)anthracene	24.89	278	135	N.D.		
82) Benzo(g,h,i)perylene	25.32	276	384	N.D.		

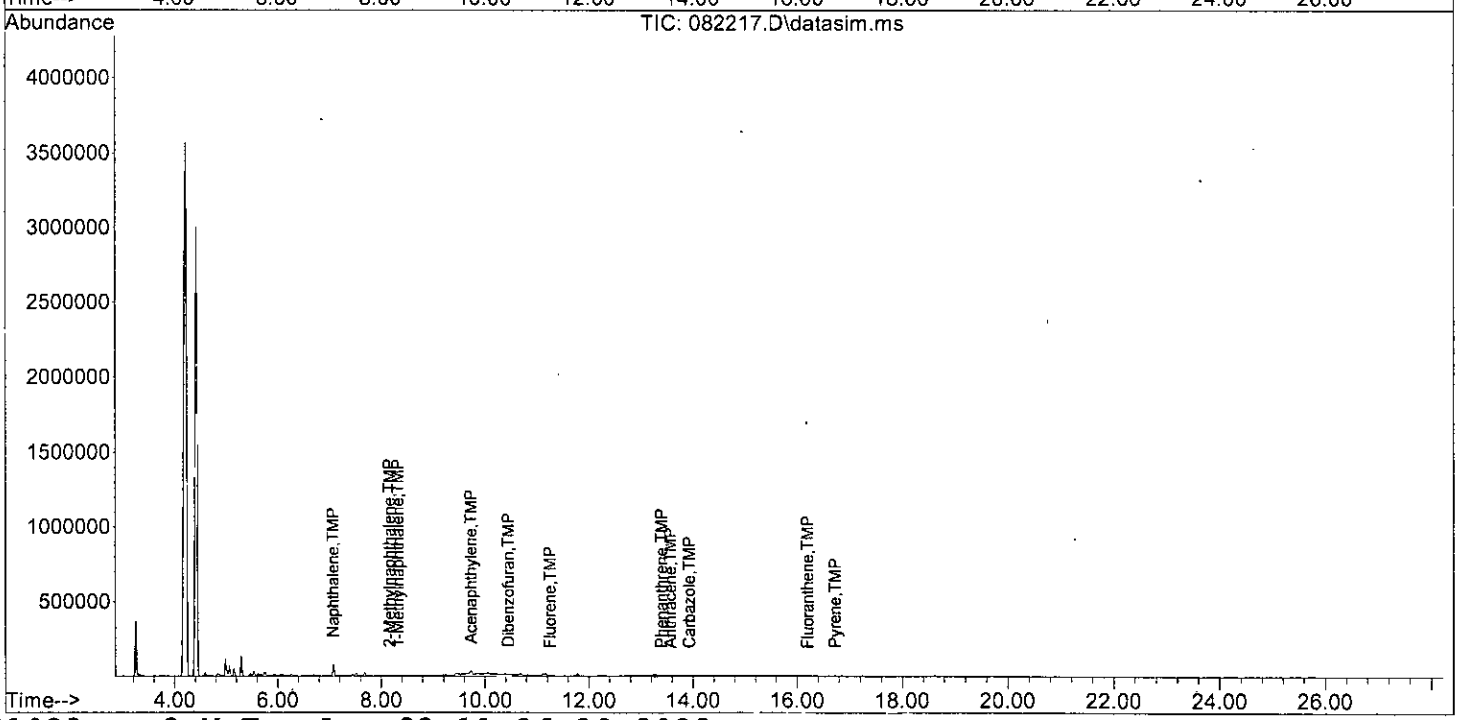
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082217.D
Acq On : 22 Aug 2022 6:29 pm
Operator : VM
Sample : 208257-04 1/2
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:40:35 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

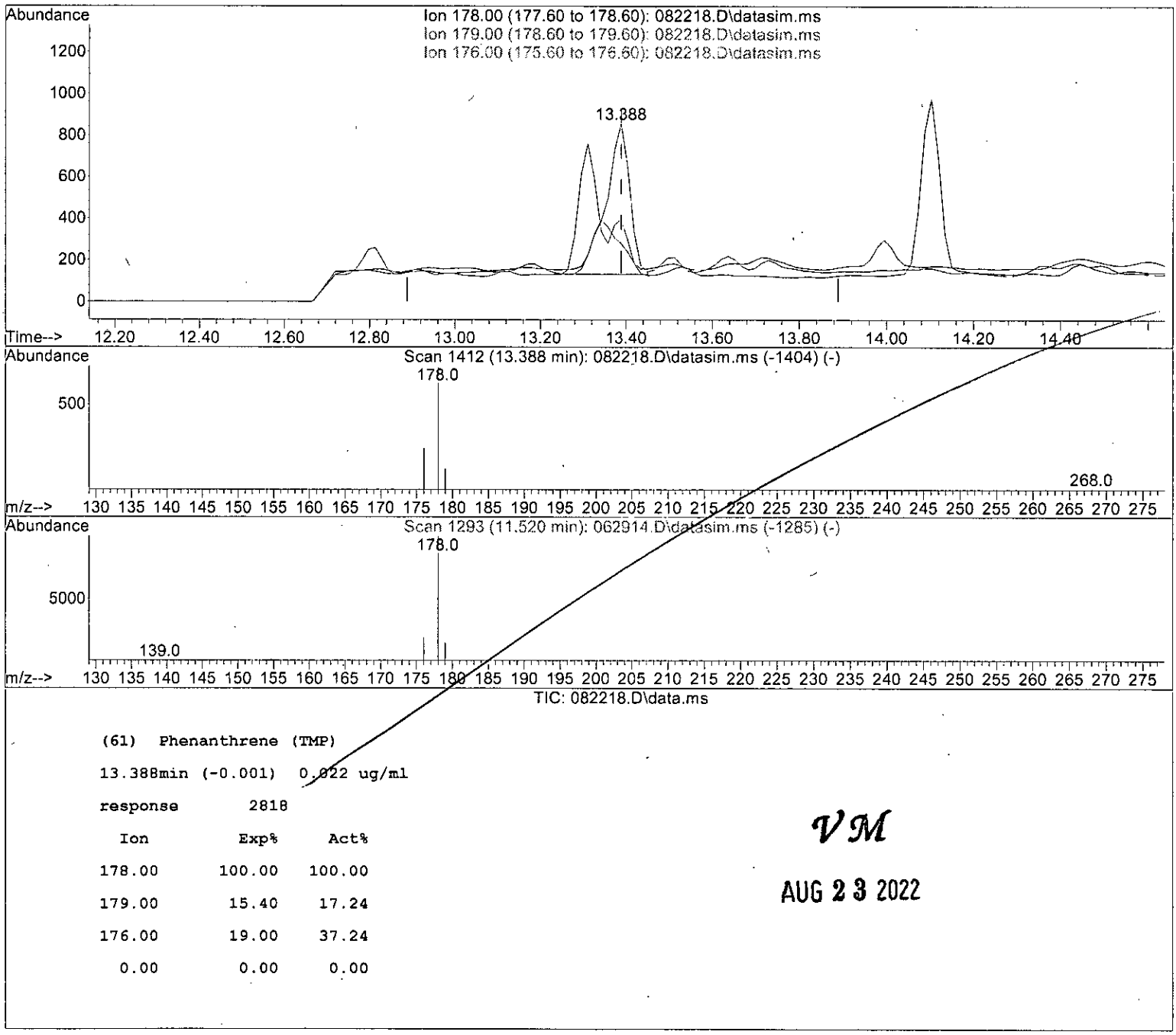




Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082218.D
Acq On : 22 Aug 2022 7:02 pm
Operator : VM
Sample : 208257-05 1/2
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:19:15 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 082218.D\data.ms

(61) Phenanthrene (TMP)

13.388min (-0.001) 0.022 ug/ml

response 2818

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	17.24
176.00	19.00	37.24
0.00	0.00	0.00

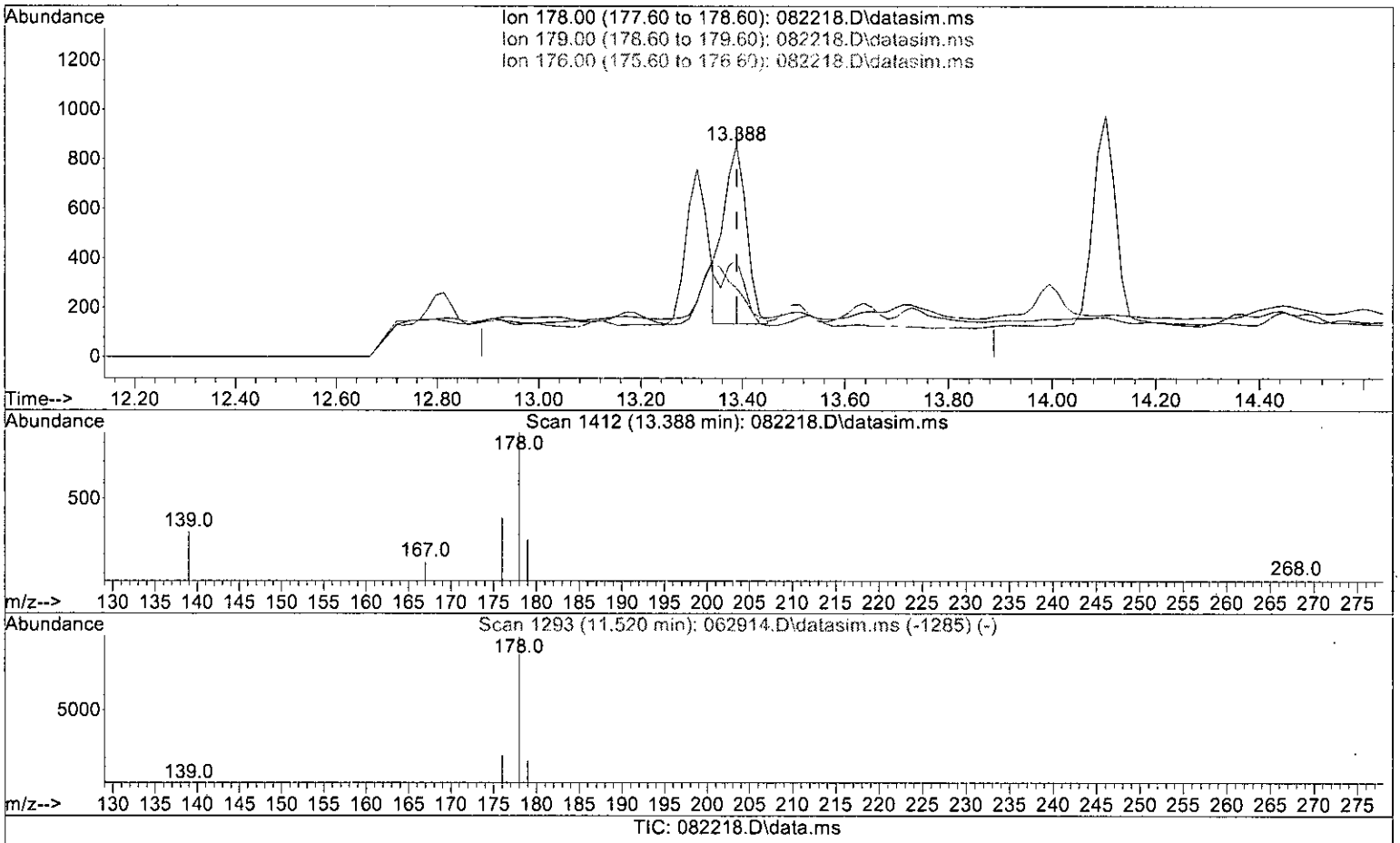
VM

AUG 23 2022

Quantitation Report (Qedit)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082218.D
Acq On : 22 Aug 2022 7:02 pm
Operator : VM
Sample : 208257-05 1/2
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:19:15 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M



TIC: 082218.D\data.ms

(61) Phenanthrene (TMP)

13.388min (-0.001) 0.018 ug/ml m

response 2278

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.40	32.79
176.00	19.00	46.32
0.00	0.00	0.00

VM

AUG 23 2022

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082218.D
Acq On : 22 Aug 2022 7:02 pm
Operator : VM
Sample : 208257-05 1/2
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:43:19 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

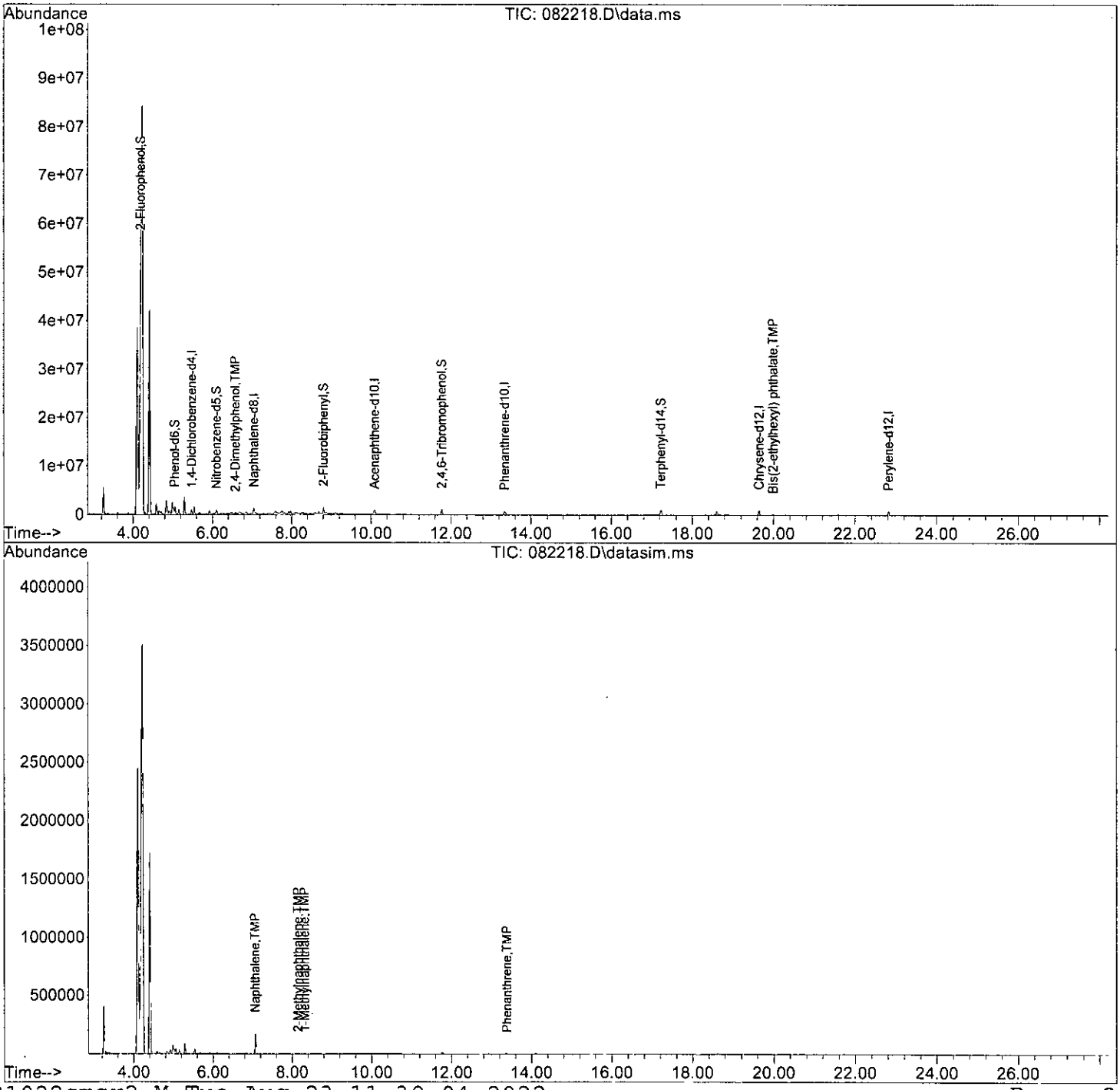
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.48	152	259188	8.000	ug/ml	0.00
17) Naphthalene-d8	7.05	136	841193	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.09	164	487969	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.34	188	865958	8.000	ug/ml	0.00
66) Chrysene-d12	19.65	240	672995	8.000	ug/ml	0.00
75) Perylene-d12	22.83	264	601869	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.19	112	269887	7.830	ug/ml	0.06
Spiked Amount 15.000	Range 10 - 60		Recovery = 52.20%			
4) Phenol-d6	5.05	99	204166	4.928	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 32.87%			
18) Nitrobenzene-d5	6.10	82	391256	9.278	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 92.80%			
37) 2-Fluorobiphenyl	8.81	172	723955	8.440	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 84.40%			
53) 2,4,6-Tribromophenol	11.77	330	260299	14.574	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 97.13%			
69) Terphenyl-d14	17.23	244	958888	10.668	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 106.70%			
Target Compounds						Qvalue
22) 2,4-Dimethylphenol	6.58	107	124282	3.116	ug/ml	93
27] Naphthalene	7.07	128	240821	1.928	ug/ml	99
31] 2-Methylnaphthalene	8.15	142	5504	0.069	ug/ml	99
32] 1-Methylnaphthalene	8.32	142	4132	0.054	ug/ml	98
61] Phenanthrene	13.39	178	2278m	0.018	ug/ml	
74) Bis(2-ethylhexyl) phth...	19.99	149	78769	1.190	ug/ml	98

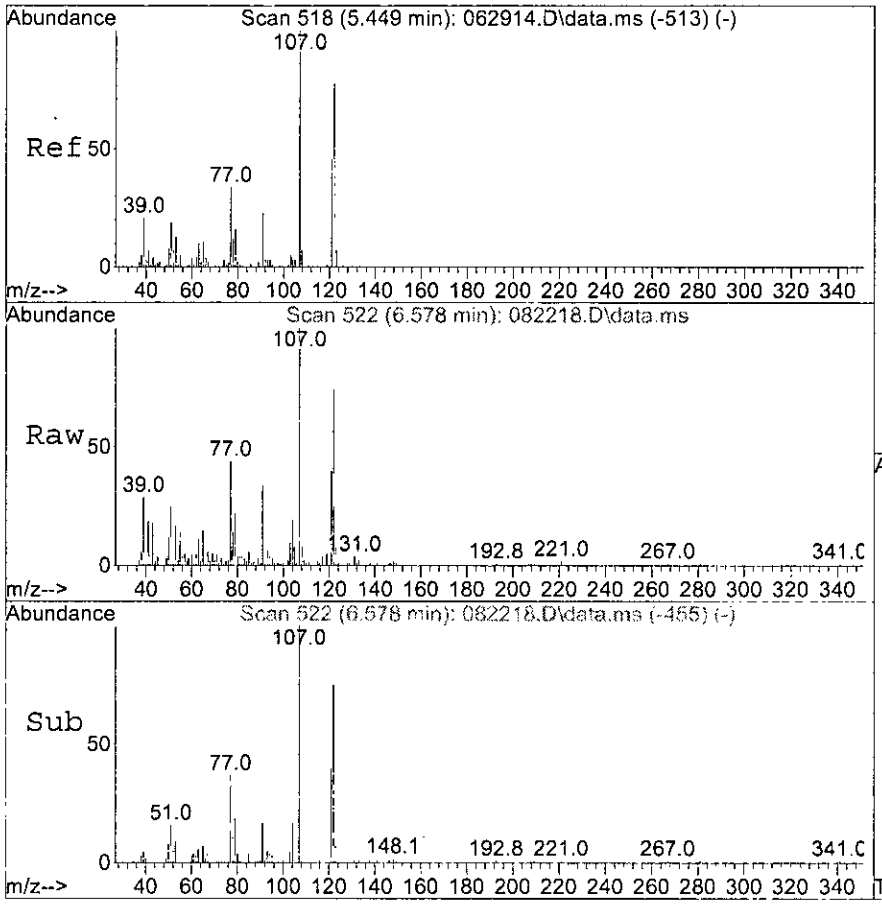
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082218.D
Acq On : 22 Aug 2022 7:02 pm
Operator : VM
Sample : 208257-05 1/2
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:43:19 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

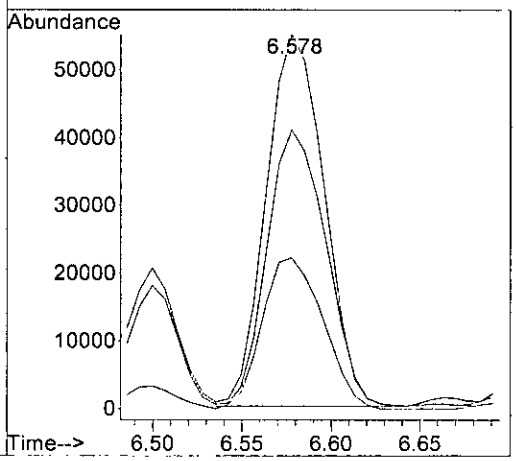


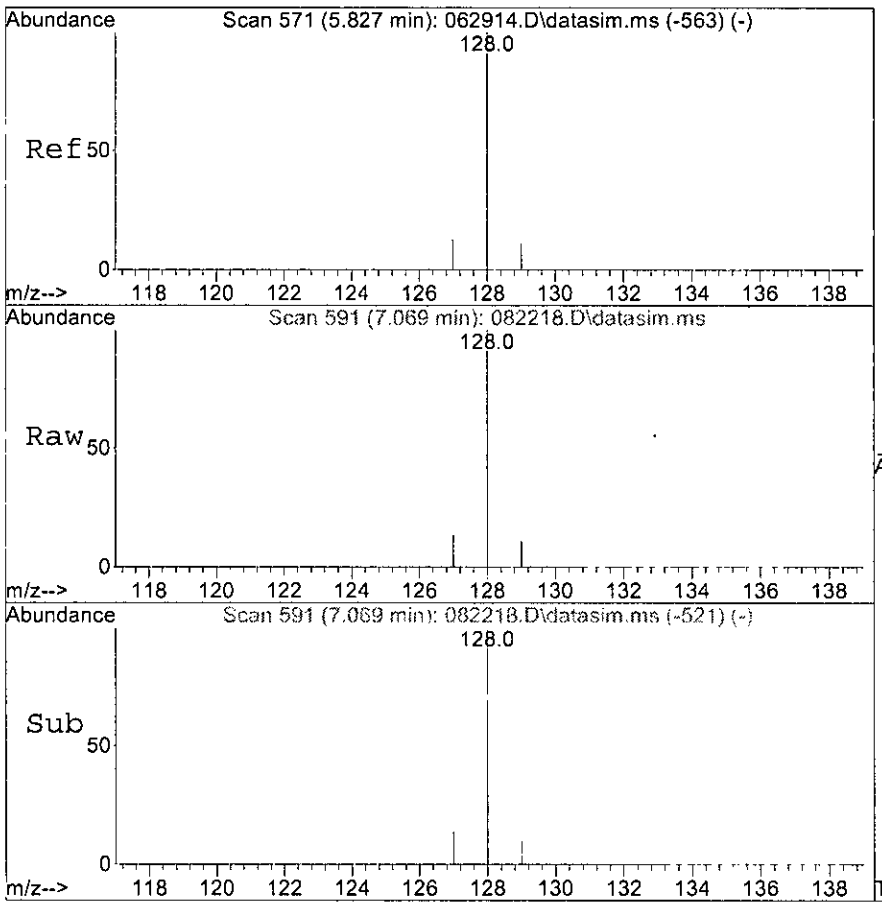


#22
2,4-Dimethylphenol
Concen: 3.116 ug/ml
RT: 6.58 min Scan# 522
Delta R.T. 0.007 min
Lab File: 082218.D
Acq: 22 Aug 2022 7:02 pm

Tgt Ion:107 Resp: 124282

Ion	Ratio	Lower	Upper
107	100		
121	40.6	20.0	80.0
122	74.2	46.0	106.0

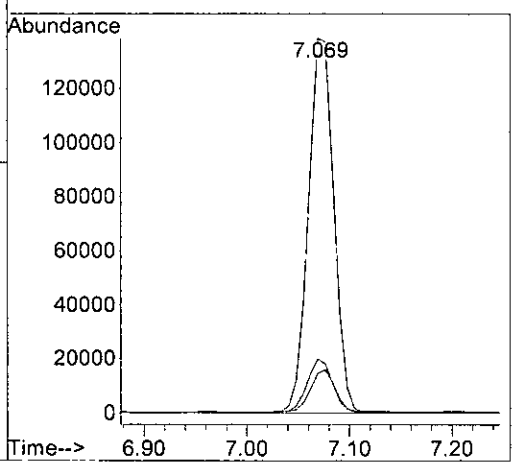


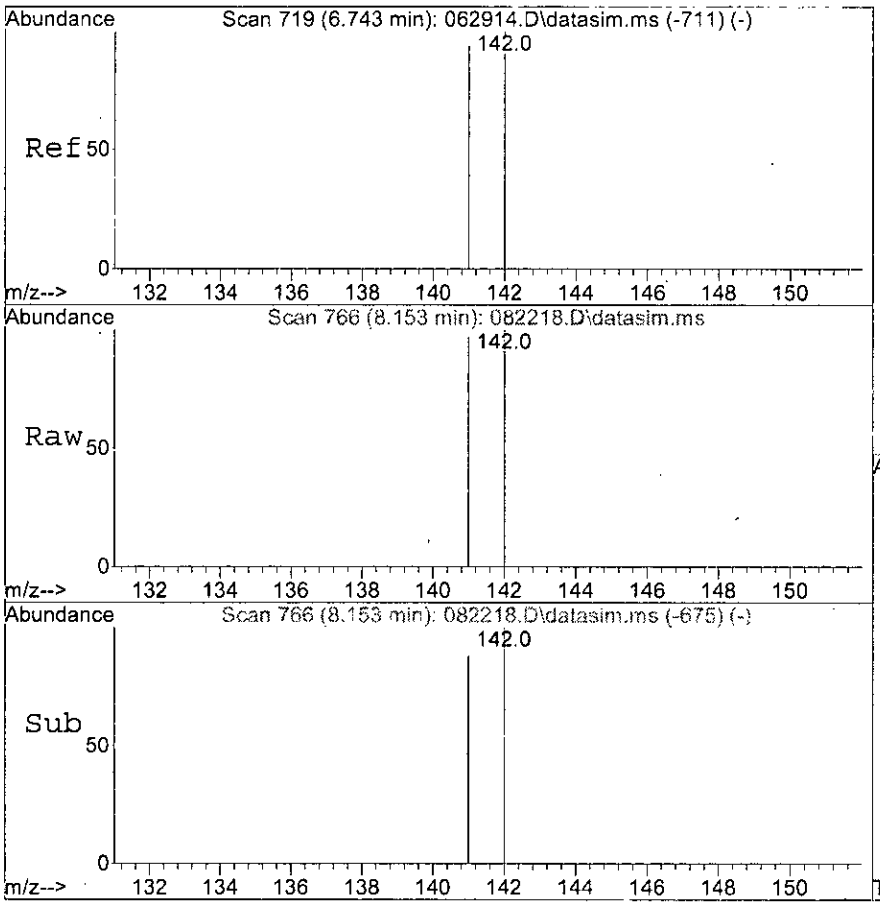


#27
Naphthalene
Concen: 1.928 ug/ml
RT: 7.07 min Scan# 591
Delta R.T. 0.000 min
Lab File: 082218.D
Acq: 22 Aug 2022 7:02 pm

Tgt Ion:128 Resp: 240821

Ion	Ratio	Lower	Upper
128	100		
129	10.5	0.0	40.7
127	14.0	0.0	43.6

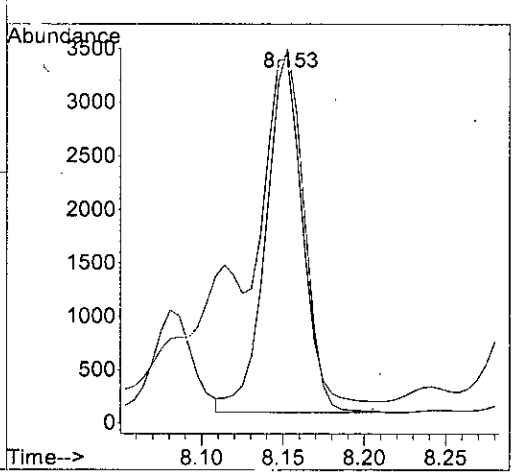


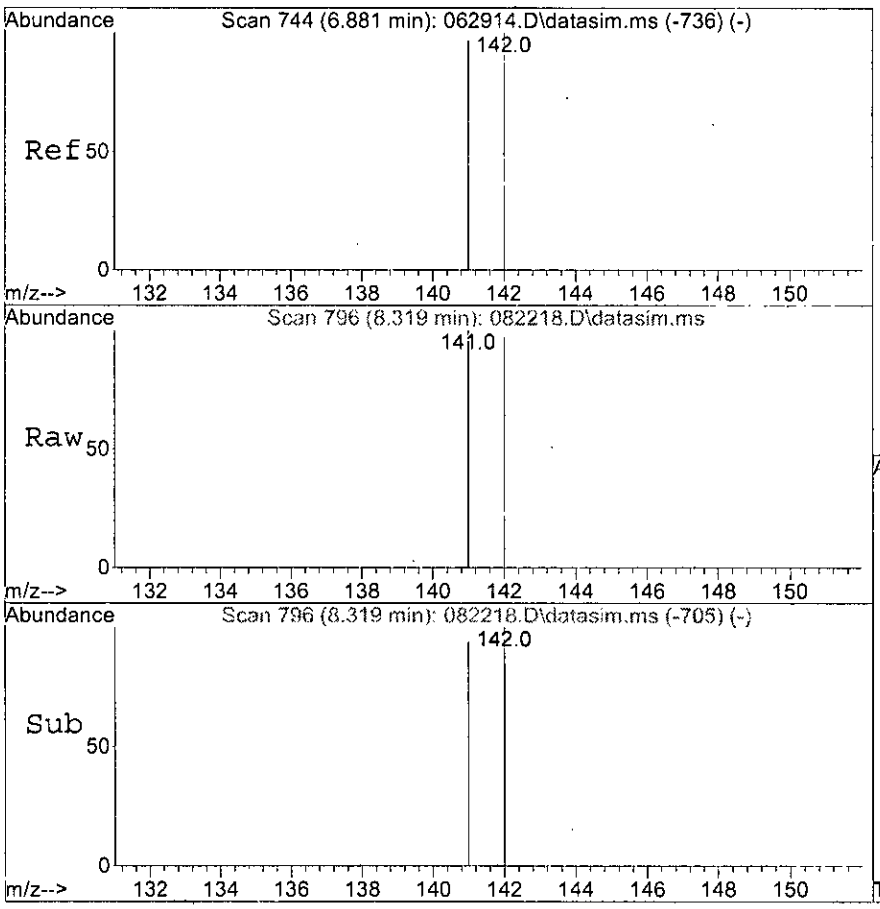


#31
2-Methylnaphthalene
Concen: 0.069 ug/ml
RT: 8.15 min Scan# 766
Delta R.T. 0.005 min
Lab File: 082218.D
Acq: 22 Aug 2022 7:02 pm

Tgt Ion:142 Resp: 5504

Ion	Ratio	Lower	Upper
142	100		
141	92.2	61.5	121.5

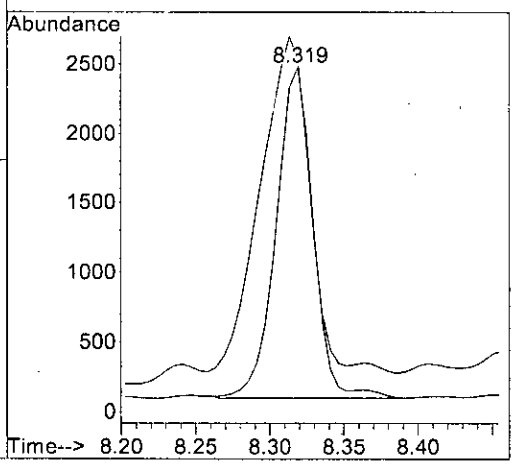


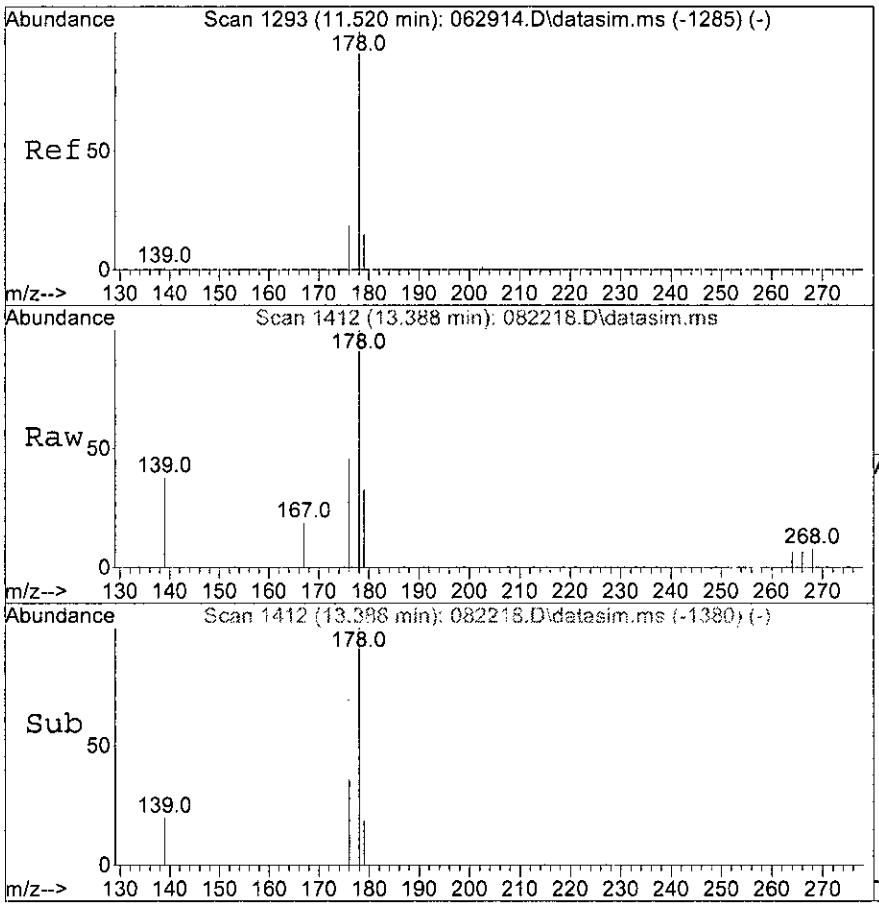


#32
1-Methylnaphthalene
Concen: 0.054 ug/ml
RT: 8.32 min Scan# 796
Delta R.T. 0.005 min
Lab File: 082218.D
Acq: 22 Aug 2022 7:02 pm

Tgt Ion:142 Resp: 4132

Ion	Ratio	Lower	Upper
142	100		
141	95.0	66.8	126.8

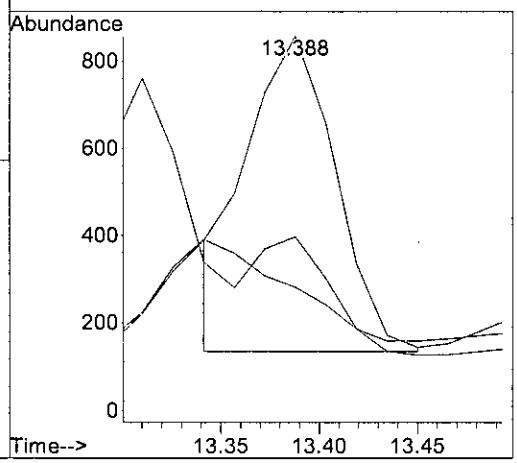


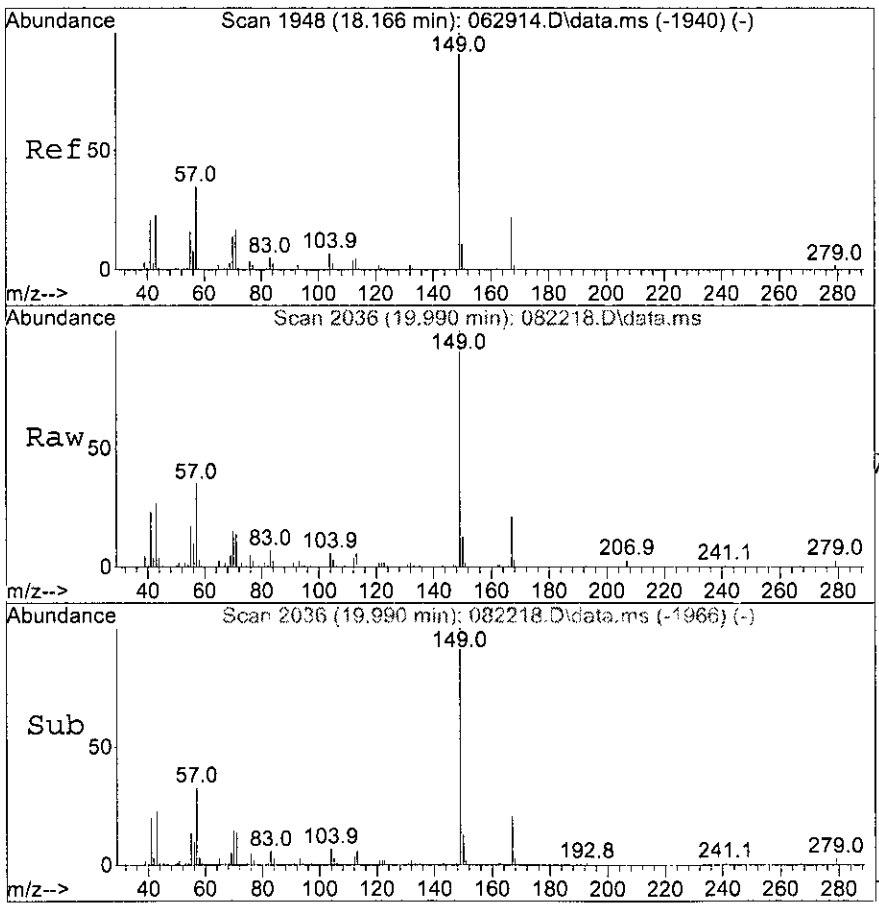


#61
Phenanthrene
Concen: 0.018 ug/ml m
RT: 13.39 min Scan# 1412
Delta R.T. -0.001 min
Lab File: 082218.D
Acq: 22 Aug 2022 7:02 pm

Tgt Ion:178 Resp: 2278

Ion	Ratio	Lower	Upper
178	100		
179	32.8	0.0	45.4
176	46.3	0.0	49.0

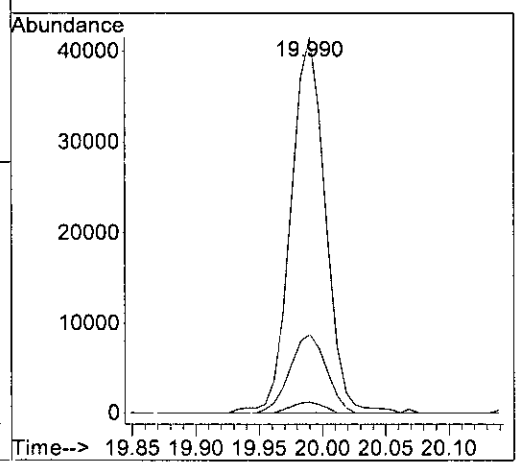




#74
Bis(2-ethylhexyl) phthalate
Concen: 1.190 ug/ml
RT: 19.99 min Scan# 2036
Delta R.T. -0.001 min
Lab File: 082218.D
Acq: 22 Aug 2022 7:02 pm

Tgt Ion:149 Resp: 78769

Ion	Ratio	Lower	Upper
149	100		
167	21.0	0.0	52.2
279	2.9	0.0	32.1



Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082218.D
Acq On : 22 Aug 2022 7:02 pm
Operator : VM
Sample : 208257-05 1/2
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:43:19 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	5.48	152	259188	8.000	ug/ml	0.00
17) Naphthalene-d8	7.05	136	841193	8.000	ug/ml	0.00
33) Acenaphthene-d10	10.09	164	487969	8.000	ug/ml	0.01
54) Phenanthrene-d10	13.34	188	865958	8.000	ug/ml	0.00
66) Chrysene-d12	19.65	240	672995	8.000	ug/ml	0.00
75) Perylene-d12	22.83	264	601869	8.000	ug/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.19	112	269887	7.830	ug/ml	0.06
Spiked Amount 15.000	Range 10 - 60		Recovery = 52.20%			
4) Phenol-d6	5.05	99	204166	4.928	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 49		Recovery = 32.87%			
18) Nitrobenzene-d5	6.10	82	391256	9.278	ug/ml	0.00
Spiked Amount 10.000	Range 15 - 144		Recovery = 92.80%			
37) 2-Fluorobiphenyl	8.81	172	723955	8.440	ug/ml	0.00
Spiked Amount 10.000	Range 25 - 128		Recovery = 84.40%			
53) 2,4,6-Tribromophenol	11.77	330	260299	14.574	ug/ml	0.00
Spiked Amount 15.000	Range 10 - 142		Recovery = 97.13%			
69) Terphenyl-d14	17.23	244	958888	10.668	ug/ml	0.00
Spiked Amount 10.000	Range 41 - 138		Recovery = 106.70%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.91	74	278	N.D.		
5) Phenol	5.20	94	242	N.D.		
6) Bis(2-chloroethyl) ether	0.00		0	N.D.	d	
7) 2-Chlorophenol	0.00		0	N.D.		
8) 1,3-Dichlorobenzene	0.00		0	N.D.		
9) 1,4-Dichlorobenzene	0.00		0	N.D.		
10) 1,2-Dichlorobenzene	5.65	146	374	N.D.		
11) Benzyl alcohol	5.62	108	596	N.D.		
12) 2,2'-Oxybis(1-chloropr...	5.80	45	4415	N.D.		
13) 2-Methylphenol	5.73	108	5463	N.D.		
14) Hexachloroethane	0.00		0	N.D.	d	
15) N-Nitroso-di-n-propyla...	5.94	70	652	N.D.		
16) 3-Methylphenol + 4-Met...	0.00		0	N.D.	d	
19) Nitrobenzene	0.00		0	N.D.	d	
20) Isophorone	6.55	82	1957	N.D.		
21) 2-Nitrophenol	6.67	139	538	N.D.		
22) 2,4-Dimethylphenol	6.58	107	124282	3.116	ug/ml	93
23) Benzoic acid	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082218.D
Acq On : 22 Aug 2022 7:02 pm
Operator : VM
Sample : 208257-05 1/2
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:43:19 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
24)	Bis(2-chloroethoxy)met...	0.00		0	N.D.	d	
25)	2,4-Dichlorophenol	0.00		0	N.D.		
26)	1,2,4-Trichlorobenzene	0.00		0	N.D.		
27]	Naphthalene	7.07	128	240821	1.928	ug/ml	99
28)	Hexachlorobutadiene	0.00		0	N.D.		
29)	4-Chloroaniline	7.13	127	877	N.D.		
30)	4-Chloro-3-methylphenol	7.92	107	7702	N.D.		
31]	2-Methylnaphthalene	8.15	142	5504	0.069	ug/ml	99
32]	1-Methylnaphthalene	8.32	142	4132	0.054	ug/ml	98
34)	Hexachlorocyclopentadiene	0.00		0	N.D.		
35)	2,4,6-Trichlorophenol	0.00		0	N.D.		
36)	2,4,5-Trichlorophenol	0.00		0	N.D.		
38)	2-Chloronaphthalene	9.06	162	664	N.D.		
39)	2-Nitroaniline	9.23	65	3300	N.D.		
40)	Dimethyl phthalate	9.60	163	246	N.D.		
41)	Acenaphthylene	9.79	152	152	N.D.		
42)	2,6-Dinitrotoluene	0.00		0	N.D.	d	
43)	3-Nitroaniline	10.08	65	6997	N.D.		
44)	Acenaphthene	10.14	153	812	N.D.		
45)	2,4-Dinitrophenol	0.00		0	N.D.		
46)	Dibenzofuran	10.51	168	485	N.D.		
47)	2,4-Dinitrotoluene	10.51	165	463	N.D.		
48)	4-Nitrophenol	0.00		0	N.D.	d	
49)	Diethyl phthalate	11.10	149	8378	N.D.		
50)	Fluorene	11.25	166	518	N.D.		
51)	4-Chlorophenyl phenyl ...	0.00		0	N.D.		
52)	1,2-Diphenylhydrazine	11.60	77	259	N.D.		
55)	N-Nitrosodiphenylamine	11.49	169	131	N.D.		
56)	4-Nitroaniline	11.27	138	140	N.D.		
57)	4,6-Dinitro-2-methylph...	0.00		0	N.D.		
58)	4-Bromophenyl phenyl e...	0.00		0	N.D.		
59)	Hexachlorobenzene	0.00		0	N.D.		
60)	Pentachlorophenol	12.92	266	1705	N.D.		
61]	Phenanthrene	13.39	178	2278m	0.018	ug/ml	
62)	Anthracene	13.51	178	243	N.D.		
63)	Carbazole	13.93	167	803	N.D.		
64)	Di-n-butyl phthalate	14.92	149	20871	N.D.		
65)	Fluoranthene	16.19	202	1110	N.D.		
67)	Benzidine	0.00		0	N.D.		
68)	Pyrene	16.72	202	1209	N.D.		
70)	Benzyl butyl phthalate	18.51	149	1973	N.D.		

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082218.D
Acq On : 22 Aug 2022 7:02 pm
Operator : VM
Sample : 208257-05 1/2
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:43:19 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M

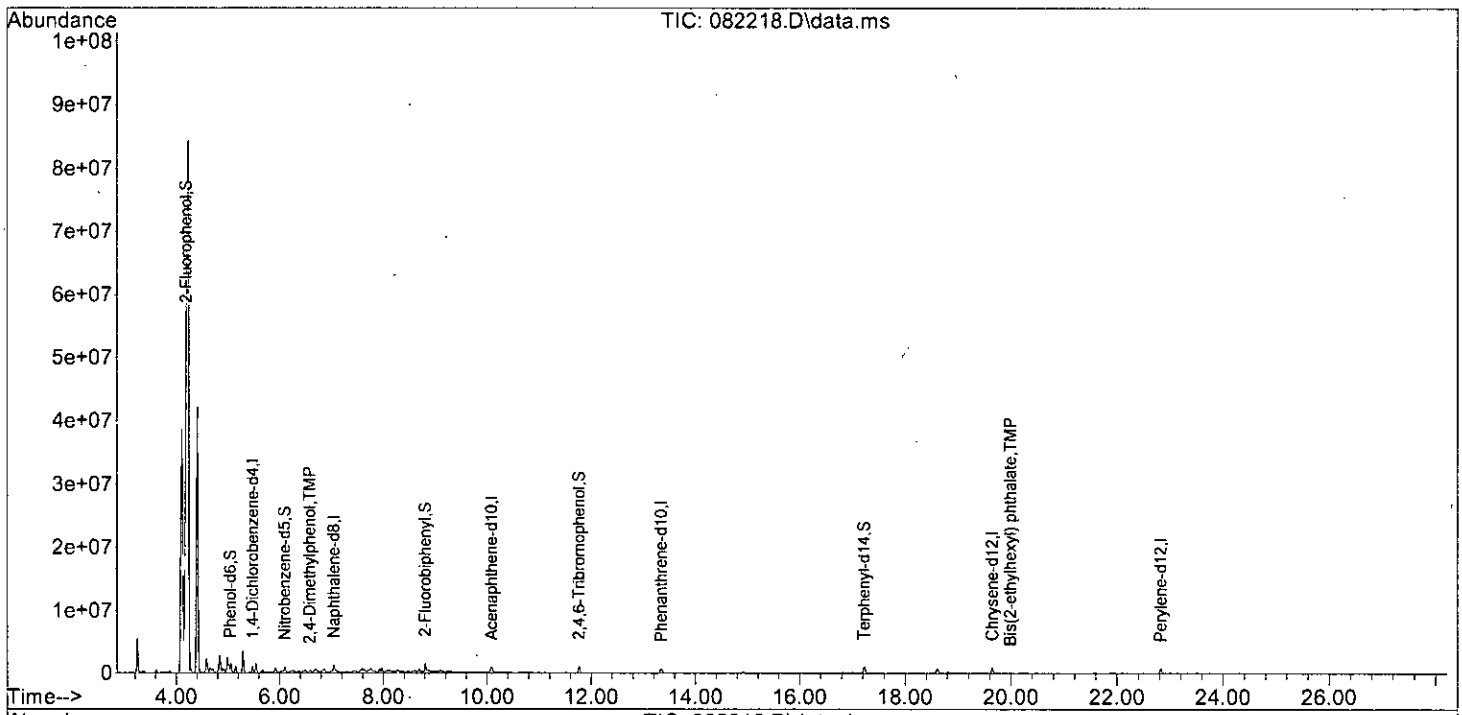
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 3,3'-Dichlorobenzidine	0.00		0	N.D.		
72) Benz(a)anthracene	19.64	228	2347	N.D.		
73) Chrysene	19.70	228	158	N.D.		
74) Bis(2-ethylhexyl) phth...	19.99	149	78769	1.190	ug/ml	98
76) Di-n-octyl phthalate	21.50	149	3609	N.D.		
77) Benzo(a)pyrene	22.70	252	171	N.D.		
78) Benzo(b)fluoranthene	22.03	252	203	N.D.		
79) Benzo(k)fluoranthene	22.10	252	143	N.D.		
80) Indeno(1,2,3-cd)pyrene	24.82	276	193	N.D.		
81) Dibenz(a,h)anthracene	24.88	278	145	N.D.		
82) Benzo(g,h,i)perylene	25.32	276	214	N.D.		

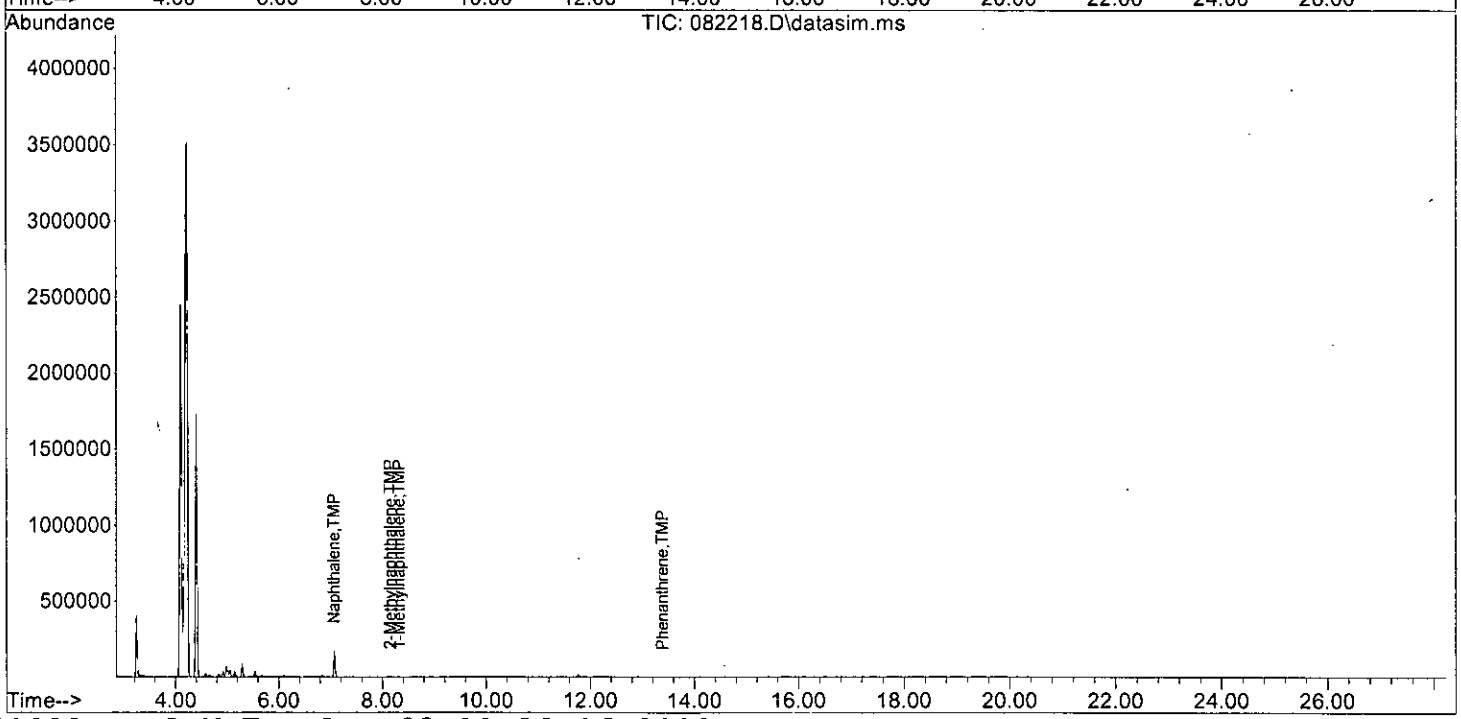
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : N:\Proc_GCMS9\08-22-22\
Data File : 082218.D
Acq On : 22 Aug 2022 7:02 pm
Operator : VM
Sample : 208257-05 1/2
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS9

Quant Time: Aug 23 11:43:19 2022
Quant Method : N:\Methods\Inst9\081022smsr2.M
Quant Title : Semivolatiles by SW-846 Method 8270E SS
QLast Update : Mon Aug 22 14:46:56 2022
Response via : Initial Calibration
DataAcq Meth:081022SS.M





FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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August 19, 2022

Jacklyn Perkins, Project Manager
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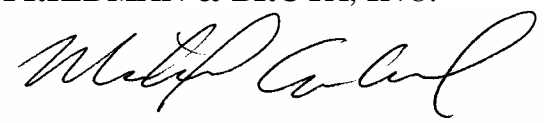
Dear Ms:Perkins

Included are the results from the testing of material submitted on August 12, 2022 from the Kelly Moore PS2120450, F&BI 208203 project. There are 17 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Christy Duitman
WEI0819R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 12, 2022 by Friedman & Bruya, Inc. from the Wood Environment & Infrastructure Kelly Moore PS2120450, F&BI 208203 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Wood Environment & Infrastructure
208203 -01	KM-DP-01-15'-20'
208203 -02	KMW-11-7'-8'
208203 -03	KM-DP-02-1'-2'
208203 -04	KM-DP-02-4'-5'
208203 -05	KM-IDW-08-11-22

Methylene chloride was detected in the 8260D analysis of the soil method blank and sample KM-DP-01-15'-20'. The data were flagged as due to laboratory contamination. In addition, the 8260D methylene chloride calibration standard for sample KM-DP-01-15'-20' exceeded the acceptance criteria. The data were flagged accordingly.

The 8260D soil and water matrix spike, laboratory control sample, and laboratory control sample duplicate exceeded the acceptance criteria for chloroethane. The compound was not detected, therefore the data were acceptable.

All other quality control requirements were acceptable.

Analysis For Total Metals By EPA Method 6020B

Client ID:	KM-DP-02-1'-2'	Client:	Wood Environment & Infrastructure
Date Received:	08/12/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/15/22	Lab ID:	208203-03
Date Analyzed:	08/15/22	Data File:	208203-03.076
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	5.91
Barium	217
Cadmium	1.18
Lead	131
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	KM-DP-02-1'-2'	Client:	Wood Environment & Infrastructure
Date Received:	08/12/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/15/22	Lab ID:	208203-03 x5
Date Analyzed:	08/15/22	Data File:	208203-03 x5.081
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Chromium	14.8

Analysis For Total Metals By EPA Method 6020B

Client ID:	KM-DP-02-4'-5'	Client:	Wood Environment & Infrastructure
Date Received:	08/12/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/15/22	Lab ID:	208203-04
Date Analyzed:	08/15/22	Data File:	208203-04.077
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	2.84
Barium	22.8
Cadmium	<1
Chromium	6.11
Lead	1.50
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	KM-IDW-08-11-22	Client:	Wood Environment & Infrastructure
Date Received:	08/12/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/15/22	Lab ID:	208203-05
Date Analyzed:	08/15/22	Data File:	208203-05.078
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	7.70
Barium	154
Cadmium	2.13
Mercury	<1
Selenium	<1
Silver	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	KM-IDW-08-11-22	Client:	Wood Environment & Infrastructure
Date Received:	08/12/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/15/22	Lab ID:	208203-05 x5
Date Analyzed:	08/15/22	Data File:	208203-05 x5.083
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Chromium	14.4
Copper	58.2
Lead	335
Nickel	14.7
Zinc	339

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore PS2120450
Date Extracted:	08/15/22	Lab ID:	I2-551 mb
Date Analyzed:	08/15/22	Data File:	I2-551 mb.039
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<1
Selenium	<1
Silver	<1
Zinc	<5

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KM-IDW-08-11-22	Client:	Wood Environment & Infrastructure
Date Received:	08/12/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/16/22	Lab ID:	208203-05
Date Analyzed:	08/16/22	Data File:	081614.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	79	128
Toluene-d8	98	84	121
4-Bromofluorobenzene	97	84	116

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore PS2120450
Date Extracted:	08/16/22	Lab ID:	02-1924 mb
Date Analyzed:	08/16/22	Data File:	081608.D
Matrix:	Soil	Instrument:	GCMS11
Units:	mg/kg (ppm) Dry Weight	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	79	128
Toluene-d8	100	84	121
4-Bromofluorobenzene	98	84	116

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	1.2 lc	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KM-DP-01-15'-20'	Client:	Wood Environment & Infrastructure
Date Received:	08/12/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/16/22	Lab ID:	208203-01
Date Analyzed:	08/16/22	Data File:	081608.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	71	132
Toluene-d8	99	68	139
4-Bromofluorobenzene	98	62	136

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	6.3 ca lc	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore PS2120450
Date Extracted:	08/16/22	Lab ID:	02-1926 mb
Date Analyzed:	08/16/22	Data File:	081607.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	WE

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	71	132
Toluene-d8	100	68	139
4-Bromofluorobenzene	93	62	136

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Date of Report: 08/19/22
Date Received: 08/12/22
Project: Kelly Moore PS2120450, F&BI 208203

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 208200-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	2.56	90	94	75-125	4
Barium	mg/kg (ppm)	50	62.6	96	108	75-125	12
Cadmium	mg/kg (ppm)	10	4.38	89	94	75-125	5
Chromium	mg/kg (ppm)	50	18.7	84	95	75-125	12
Copper	mg/kg (ppm)	50	31.7	79	91	75-125	14
Lead	mg/kg (ppm)	50	29.7	89	98	75-125	10
Mercury	mg/kg (ppm	5	<1	91	99	75-125	8
Nickel	mg/kg (ppm)	25	9.13	84	93	75-125	10
Selenium	mg/kg (ppm)	5	<1	83	85	75-125	2
Silver	mg/kg (ppm)	10	<1	99	102	75-125	3
Zinc	mg/kg (ppm)	50	110	65 b	94	75-125	36 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	93	80-120
Barium	mg/kg (ppm)	50	96	80-120
Cadmium	mg/kg (ppm)	10	92	80-120
Chromium	mg/kg (ppm)	50	97	80-120
Copper	mg/kg (ppm)	50	97	80-120
Lead	mg/kg (ppm)	50	98	80-120
Mercury	mg/kg (ppm)	5	97	80-120
Nickel	mg/kg (ppm)	25	97	80-120
Selenium	mg/kg (ppm)	5	92	80-120
Silver	mg/kg (ppm)	10	103	80-120
Zinc	mg/kg (ppm)	50	96	80-120

Date of Report: 08/19/22
Date Received: 08/12/22
Project: Kelly Moore PS2120450, F&BI 208203

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 208204-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	10	<1	91	50-150
Chloromethane	ug/L (ppb)	10	<10	99	50-150
Vinyl chloride	ug/L (ppb)	10	0.37	103	16-176
Bromomethane	ug/L (ppb)	10	<5	101	10-193
Chloroethane	ug/L (ppb)	10	<1	156 vo	50-150
Trichlorofluoromethane	ug/L (ppb)	10	<1	100	50-150
Acetone	ug/L (ppb)	50	<50	101	15-179
1,1-Dichloroethene	ug/L (ppb)	10	<1	111	50-150
Hexane	ug/L (ppb)	10	<5	104	49-161
Methylene chloride	ug/L (ppb)	10	<5	132	40-143
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	<1	107	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	108	50-150
1,1-Dichloroethane	ug/L (ppb)	10	<1	108	50-150
2,2-Dichloropropane	ug/L (ppb)	10	<1	120	10-335
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	107	50-150
Chloroform	ug/L (ppb)	10	<1	106	50-150
2-Butanone (MEK)	ug/L (ppb)	50	<20	109	34-168
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	113	50-150
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	113	50-150
1,1-Dichloropropene	ug/L (ppb)	10	<1	108	50-150
Carbon tetrachloride	ug/L (ppb)	10	<0.5	108	50-150
Benzene	ug/L (ppb)	10	<0.35	106	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	107	43-133
1,2-Dichloropropane	ug/L (ppb)	10	<1	98	50-150
Bromodichloromethane	ug/L (ppb)	10	<0.5	101	50-150
Dibromomethane	ug/L (ppb)	10	<1	108	50-150
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	96	50-150
cis-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	99	48-145
Toluene	ug/L (ppb)	10	<1	103	50-150
trans-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	101	37-152
1,1,2-Trichloroethane	ug/L (ppb)	10	<0.5	99	50-150
2-Hexanone	ug/L (ppb)	50	<10	95	50-150
1,3-Dichloropropane	ug/L (ppb)	10	<1	105	50-150
Tetrachloroethene	ug/L (ppb)	10	<1	111	50-150
Dibromochloromethane	ug/L (ppb)	10	<0.5	102	33-164
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	<1	100	50-150
Chlorobenzene	ug/L (ppb)	10	<1	102	50-150
Ethylbenzene	ug/L (ppb)	10	<1	101	50-150
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	<1	103	50-150
m,p-Xylene	ug/L (ppb)	20	<2	105	50-150
o-Xylene	ug/L (ppb)	10	<1	103	50-150
Styrene	ug/L (ppb)	10	<1	99	50-150
Isopropylbenzene	ug/L (ppb)	10	<1	101	50-150
Bromoform	ug/L (ppb)	10	<5	95	23-161
n-Propylbenzene	ug/L (ppb)	10	<1	93	50-150
Bromobenzene	ug/L (ppb)	10	<1	105	50-150
1,3,5-Trimethylbenzene	ug/L (ppb)	10	<1	94	50-150
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	<0.2	94	10-235
1,2,3-Trichloropropane	ug/L (ppb)	10	<1	95	33-151
2-Chlorotoluene	ug/L (ppb)	10	<1	95	50-150
4-Chlorotoluene	ug/L (ppb)	10	<1	93	50-150
tert-Butylbenzene	ug/L (ppb)	10	<1	94	50-150
1,2,4-Trimethylbenzene	ug/L (ppb)	10	<1	92	50-150
sec-Butylbenzene	ug/L (ppb)	10	<1	94	46-139
p-Isopropyltoluene	ug/L (ppb)	10	<1	96	46-140
1,3-Dichlorobenzene	ug/L (ppb)	10	<1	100	50-150
1,4-Dichlorobenzene	ug/L (ppb)	10	<1	101	50-150
1,2-Dichlorobenzene	ug/L (ppb)	10	<1	99	50-150
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	<10	90	50-150
1,2,4-Trichlorobenzene	ug/L (ppb)	10	<1	102	50-150
Hexachlorobutadiene	ug/L (ppb)	10	<0.5	104	42-150
Naphthalene	ug/L (ppb)	10	<1	93	50-150
1,2,3-Trichlorobenzene	ug/L (ppb)	10	<1	93	44-155

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Project: Kelly Moore PS2120450, F&BI 208203

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	95	87	70-130	9
Chloromethane	ug/L (ppb)	10	104	104	70-130	0
Vinyl chloride	ug/L (ppb)	10	107	103	70-130	4
Bromomethane	ug/L (ppb)	10	108	108	28-182	0
Chloroethane	ug/L (ppb)	10	162 vo	153 vo	70-130	6
Trichlorofluoromethane	ug/L (ppb)	10	101	99	70-130	2
Acetone	ug/L (ppb)	50	92	96	42-155	4
1,1-Dichloroethene	ug/L (ppb)	10	112	107	70-130	5
Hexane	ug/L (ppb)	10	104	101	50-161	3
Methylene chloride	ug/L (ppb)	10	124	128	29-192	3
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	108	105	70-130	3
trans-1,2-Dichloroethene	ug/L (ppb)	10	107	104	70-130	3
1,1-Dichloroethane	ug/L (ppb)	10	108	106	70-130	2
2,2-Dichloropropane	ug/L (ppb)	10	124	115	70-130	8
cis-1,2-Dichloroethene	ug/L (ppb)	10	108	105	70-130	3
Chloroform	ug/L (ppb)	10	105	104	70-130	1
2-Butanone (MEK)	ug/L (ppb)	50	101	100	50-157	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	114	111	70-130	3
1,1,1-Trichloroethane	ug/L (ppb)	10	115	111	70-130	4
1,1-Dichloropropene	ug/L (ppb)	10	112	105	70-130	6
Carbon tetrachloride	ug/L (ppb)	10	111	108	70-130	3
Benzene	ug/L (ppb)	10	107	104	70-130	3
Trichloroethene	ug/L (ppb)	10	108	104	70-130	4
1,2-Dichloropropane	ug/L (ppb)	10	103	99	70-130	4
Bromodichloromethane	ug/L (ppb)	10	103	100	70-130	3
Dibromomethane	ug/L (ppb)	10	106	106	70-130	0
4-Methyl-2-pentanone	ug/L (ppb)	50	95	100	70-130	5
cis-1,3-Dichloropropene	ug/L (ppb)	10	103	102	70-130	1
Toluene	ug/L (ppb)	10	102	103	70-130	1
trans-1,3-Dichloropropene	ug/L (ppb)	10	102	101	70-130	1
1,1,2-Trichloroethane	ug/L (ppb)	10	99	101	70-130	2
2-Hexanone	ug/L (ppb)	50	93	97	69-130	4
1,3-Dichloropropane	ug/L (ppb)	10	102	103	70-130	1
Tetrachloroethene	ug/L (ppb)	10	109	110	70-130	1
Dibromochloromethane	ug/L (ppb)	10	103	100	63-142	3
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	100	101	70-130	1
Chlorobenzene	ug/L (ppb)	10	101	103	70-130	2
Ethylbenzene	ug/L (ppb)	10	100	101	70-130	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	106	105	70-130	1
m,p-Xylene	ug/L (ppb)	20	104	106	70-130	2
o-Xylene	ug/L (ppb)	10	103	104	70-130	1
Styrene	ug/L (ppb)	10	98	102	70-130	4
Isopropylbenzene	ug/L (ppb)	10	101	101	70-130	0
Bromoform	ug/L (ppb)	10	99	100	50-157	1
n-Propylbenzene	ug/L (ppb)	10	96	92	70-130	4
Bromobenzene	ug/L (ppb)	10	104	98	70-130	6
1,3,5-Trimethylbenzene	ug/L (ppb)	10	98	94	52-150	4
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	93	92	70-130	1
1,2,3-Trichloropropane	ug/L (ppb)	10	98	96	70-130	2
2-Chlorotoluene	ug/L (ppb)	10	98	95	70-130	3
4-Chlorotoluene	ug/L (ppb)	10	95	93	70-130	2
tert-Butylbenzene	ug/L (ppb)	10	99	96	70-130	3
1,2,4-Trimethylbenzene	ug/L (ppb)	10	95	93	70-130	2
sec-Butylbenzene	ug/L (ppb)	10	98	94	70-130	4
p-Isopropyltoluene	ug/L (ppb)	10	101	96	70-130	5
1,3-Dichlorobenzene	ug/L (ppb)	10	103	99	70-130	4
1,4-Dichlorobenzene	ug/L (ppb)	10	105	102	70-130	3
1,2-Dichlorobenzene	ug/L (ppb)	10	105	99	70-130	6
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	94	92	70-130	2
1,2,4-Trichlorobenzene	ug/L (ppb)	10	105	99	70-130	6
Hexachlorobutadiene	ug/L (ppb)	10	107	102	70-130	5
Naphthalene	ug/L (ppb)	10	100	95	70-130	5
1,2,3-Trichlorobenzene	ug/L (ppb)	10	102	96	69-143	6

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Project: Kelly Moore PS2120450, F&BI 208203

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 208204-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	10	<1	91	50-150
Chloromethane	ug/L (ppb)	10	<10	99	50-150
Vinyl chloride	ug/L (ppb)	10	0.37	103	16-176
Bromomethane	ug/L (ppb)	10	<5	101	10-193
Chloroethane	ug/L (ppb)	10	<1	156 vo	50-150
Trichlorofluoromethane	ug/L (ppb)	10	<1	100	50-150
Acetone	ug/L (ppb)	50	<50	101	15-179
1,1-Dichloroethene	ug/L (ppb)	10	<1	111	50-150
Hexane	ug/L (ppb)	10	<5	104	49-161
Methylene chloride	ug/L (ppb)	10	<5	132	40-143
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	<1	107	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	108	50-150
1,1-Dichloroethane	ug/L (ppb)	10	<1	108	50-150
2,2-Dichloropropane	ug/L (ppb)	10	<1	120	10-335
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	107	50-150
Chloroform	ug/L (ppb)	10	<1	106	50-150
2-Butanone (MEK)	ug/L (ppb)	50	<20	109	34-168
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	113	50-150
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	113	50-150
1,1-Dichloropropene	ug/L (ppb)	10	<1	108	50-150
Carbon tetrachloride	ug/L (ppb)	10	<0.5	108	50-150
Benzene	ug/L (ppb)	10	<0.35	106	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	107	43-133
1,2-Dichloropropane	ug/L (ppb)	10	<1	98	50-150
Bromodichloromethane	ug/L (ppb)	10	<0.5	101	50-150
Dibromomethane	ug/L (ppb)	10	<1	108	50-150
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	96	50-150
cis-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	99	48-145
Toluene	ug/L (ppb)	10	<1	103	50-150
trans-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	101	37-152
1,1,2-Trichloroethane	ug/L (ppb)	10	<0.5	99	50-150
2-Hexanone	ug/L (ppb)	50	<10	95	50-150
1,3-Dichloropropane	ug/L (ppb)	10	<1	105	50-150
Tetrachloroethene	ug/L (ppb)	10	<1	111	50-150
Dibromochloromethane	ug/L (ppb)	10	<0.5	102	33-164
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	<1	100	50-150
Chlorobenzene	ug/L (ppb)	10	<1	102	50-150
Ethylbenzene	ug/L (ppb)	10	<1	101	50-150
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	<1	103	50-150
m,p-Xylene	ug/L (ppb)	20	<2	105	50-150
o-Xylene	ug/L (ppb)	10	<1	103	50-150
Styrene	ug/L (ppb)	10	<1	99	50-150
Isopropylbenzene	ug/L (ppb)	10	<1	101	50-150
Bromoform	ug/L (ppb)	10	<5	95	23-161
n-Propylbenzene	ug/L (ppb)	10	<1	93	50-150
Bromobenzene	ug/L (ppb)	10	<1	105	50-150
1,3,5-Trimethylbenzene	ug/L (ppb)	10	<1	94	50-150
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	<0.2	94	10-235
1,2,3-Trichloropropane	ug/L (ppb)	10	<1	95	33-151
2-Chlorotoluene	ug/L (ppb)	10	<1	95	50-150
4-Chlorotoluene	ug/L (ppb)	10	<1	93	50-150
tert-Butylbenzene	ug/L (ppb)	10	<1	94	50-150
1,2,4-Trimethylbenzene	ug/L (ppb)	10	<1	92	50-150
sec-Butylbenzene	ug/L (ppb)	10	<1	94	46-139
p-Isopropyltoluene	ug/L (ppb)	10	<1	96	46-140
1,3-Dichlorobenzene	ug/L (ppb)	10	<1	100	50-150
1,4-Dichlorobenzene	ug/L (ppb)	10	<1	101	50-150
1,2-Dichlorobenzene	ug/L (ppb)	10	<1	99	50-150
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	<10	90	50-150
1,2,4-Trichlorobenzene	ug/L (ppb)	10	<1	102	50-150
Hexachlorobutadiene	ug/L (ppb)	10	<0.5	104	42-150
Naphthalene	ug/L (ppb)	10	<1	93	50-150
1,2,3-Trichlorobenzene	ug/L (ppb)	10	<1	93	44-155

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QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	95	87	70-130	9
Chloromethane	ug/L (ppb)	10	104	104	70-130	0
Vinyl chloride	ug/L (ppb)	10	107	103	70-130	4
Bromomethane	ug/L (ppb)	10	108	108	28-182	0
Chloroethane	ug/L (ppb)	10	162 vo	153 vo	70-130	6
Trichlorofluoromethane	ug/L (ppb)	10	101	99	70-130	2
Acetone	ug/L (ppb)	50	92	96	42-155	4
1,1-Dichloroethene	ug/L (ppb)	10	112	107	70-130	5
Hexane	ug/L (ppb)	10	104	101	50-161	3
Methylene chloride	ug/L (ppb)	10	124	128	29-192	3
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	108	105	70-130	3
trans-1,2-Dichloroethene	ug/L (ppb)	10	107	104	70-130	3
1,1-Dichloroethane	ug/L (ppb)	10	108	106	70-130	2
2,2-Dichloropropane	ug/L (ppb)	10	124	115	70-130	8
cis-1,2-Dichloroethene	ug/L (ppb)	10	108	105	70-130	3
Chloroform	ug/L (ppb)	10	105	104	70-130	1
2-Butanone (MEK)	ug/L (ppb)	50	101	100	50-157	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	114	111	70-130	3
1,1,1-Trichloroethane	ug/L (ppb)	10	115	111	70-130	4
1,1-Dichloropropene	ug/L (ppb)	10	112	105	70-130	6
Carbon tetrachloride	ug/L (ppb)	10	111	108	70-130	3
Benzene	ug/L (ppb)	10	107	104	70-130	3
Trichloroethene	ug/L (ppb)	10	108	104	70-130	4
1,2-Dichloropropane	ug/L (ppb)	10	103	99	70-130	4
Bromodichloromethane	ug/L (ppb)	10	103	100	70-130	3
Dibromomethane	ug/L (ppb)	10	106	106	70-130	0
4-Methyl-2-pentanone	ug/L (ppb)	50	95	100	70-130	5
cis-1,3-Dichloropropene	ug/L (ppb)	10	103	102	70-130	1
Toluene	ug/L (ppb)	10	102	103	70-130	1
trans-1,3-Dichloropropene	ug/L (ppb)	10	102	101	70-130	1
1,1,2-Trichloroethane	ug/L (ppb)	10	99	101	70-130	2
2-Hexanone	ug/L (ppb)	50	93	97	69-130	4
1,3-Dichloropropane	ug/L (ppb)	10	102	103	70-130	1
Tetrachloroethene	ug/L (ppb)	10	109	110	70-130	1
Dibromochloromethane	ug/L (ppb)	10	103	100	63-142	3
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	100	101	70-130	1
Chlorobenzene	ug/L (ppb)	10	101	103	70-130	2
Ethylbenzene	ug/L (ppb)	10	100	101	70-130	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	106	105	70-130	1
m,p-Xylene	ug/L (ppb)	20	104	106	70-130	2
o-Xylene	ug/L (ppb)	10	103	104	70-130	1
Styrene	ug/L (ppb)	10	98	102	70-130	4
Isopropylbenzene	ug/L (ppb)	10	101	101	70-130	0
Bromoform	ug/L (ppb)	10	99	100	50-157	1
n-Propylbenzene	ug/L (ppb)	10	96	92	70-130	4
Bromobenzene	ug/L (ppb)	10	104	98	70-130	6
1,3,5-Trimethylbenzene	ug/L (ppb)	10	98	94	52-150	4
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	93	92	70-130	1
1,2,3-Trichloropropane	ug/L (ppb)	10	98	96	70-130	2
2-Chlorotoluene	ug/L (ppb)	10	98	95	70-130	3
4-Chlorotoluene	ug/L (ppb)	10	95	93	70-130	2
tert-Butylbenzene	ug/L (ppb)	10	99	96	70-130	3
1,2,4-Trimethylbenzene	ug/L (ppb)	10	95	93	70-130	2
sec-Butylbenzene	ug/L (ppb)	10	98	94	70-130	4
p-Isopropyltoluene	ug/L (ppb)	10	101	96	70-130	5
1,3-Dichlorobenzene	ug/L (ppb)	10	103	99	70-130	4
1,4-Dichlorobenzene	ug/L (ppb)	10	105	102	70-130	3
1,2-Dichlorobenzene	ug/L (ppb)	10	105	99	70-130	6
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	94	92	70-130	2
1,2,4-Trichlorobenzene	ug/L (ppb)	10	105	99	70-130	6
Hexachlorobutadiene	ug/L (ppb)	10	107	102	70-130	5
Naphthalene	ug/L (ppb)	10	100	95	70-130	5
1,2,3-Trichlorobenzene	ug/L (ppb)	10	102	96	69-143	6

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

8/12/22 VWI/BTI/VSBI

Page # 1 of 1

208203 Report To Jacklyn Perkins, Christy Duitman

Company WOOD E+IS

Address 3500 188th St SW Suite 601

City, State, ZIP Lynnwood WA 98037

Phone 425-608-1907 Email Jacklyn.perkins@woodplc.com, christy.duitman@woodplc.com

SAMPLERS (signature) Jacklyn Perkins

PROJECT NAME Kelly Moore

PO # PS2120450

REMARKS Tier IV package

Project specific RLs? - Yes / No

INVOICE TO WOOD

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	HOLD	RCRA-8 Metals	Copper/lead/zinc		Notes
KM-DP-01-15'-20'	01 A-C	08/11/22	0945	GW	3					X							please include chromatograms
KMW-11-7'-8'	02 A-B	08/11/22	1110	Soil	2								X				
KM-DP-02-1'-2'	03	08/11/22	1520	Soil	2									X			
KM-DP-02-4'-5'	04	08/11/22	1530	Soil	2									X			
KM-IDW-08-11-22	05 A-F	08/11/22	1550	Soil	6					X				X	X		

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Jacklyn Perkins	Jacklyn Perkins	Wood	8/12/22	15:35
Received by: W. Madden	W. Madden	F+BI	8/12/22	15 35
Relinquished by:		Samples received at 3 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

F&B Project 208203

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

SAMPLE CHAIN OF CUSTODY

8/12/22

VM1/BT21 VSB1

Page # 1 of 1

208203

Report To Jacklyn Perkins, Christy Duitman

Company WOOD E+IS

Address 3500 188th St SW Suite 601

City, State, ZIP Lynnwood WA 98037

Phone 425-608-1907 Email jacklyn.perkins@woodplc.com, christy.duitman@woodplc.com

SAMPLERS (signature) Jacklyn Perkins

PROJECT NAME Kelly Moore

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KM-DP-01-15'-20'	01 A-C	08/11/22	0945	GW	3					X							please include chromatograms
KMW-11-7'-8'	02 A-B	08/11/22	1110	Soil	2								X				
KM-DP-02-1'-2'	03	08/11/22	1520	Soil	2									X			
KM-DP-02-4'-5'	04	08/11/22	1530	Soil	2									X			
KM-IDW-08-11-22	05 A-F	08/11/22	1550	Soil	6					X				X	X		

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Jacklyn Perkins	Jacklyn Perkins	Wood	8/12/22	15:35
Received by: W. Madden	W. Madden	F+BI	8/12/22	15 35
Relinquished by:		Samples received at 3 °C		
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

NP

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 208203 CLIENT Wood E+IS INITIALS/ DATE: WM 8/12/22

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 3 °C

Were samples received on ice/cold packs? ☒ YES ☐ NO

How did samples arrive?
- ☒ Over the Counter
- ☐ Picked up by F&BI
- ☐ FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 1 days

Is there a Chain-of-Custody* (COC)? ☒ YES ☐ NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	☒ Yes	☐ No	# of Containers	☒ Yes	☐ No
Date Sampled	☒ Yes	☐ No	Relinquished	☒ Yes	☐ No
Time Sampled	☒ Yes	☐ No	Requested analysis	☒ Yes	☐ No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☒ YES ☐ NO

Air Samples: Were any additional canisters received? ☒ NA ☐ YES ☐ NO

If Yes, number of unused 1L canisters _____

number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

Percent Solids

200.8

Sample ID	Solids	Solids Ratio	Moisture	% Moisture	Last Weighing
208203-03	0.83	1.20	0.17	17	8/15/2022
208203-04	0.95	1.05	0.05	5	8/15/2022
208203-05	0.85	1.17	0.15	15	8/15/2022

Laboratory Worksheets

TOTAL METALS BY ICP/MS EXTRACTION WORKSHEET (SOIL/PRODUCT)

Project # : 208203
Client: Wood
QC Batch ID: I2-551
Samples checked against COC: WL

Date Received: 8/12/22
Date Extracted: AUG 15 '22 PM12:12
Date Analyzed:
Sequence Date:

Analysis Method: ☐ 200.8 ☒ 6020B ☐ Other
Matrix: ☒ Soil ☐ Product ☐ Other
Requested Analytes: ☐ RCRA (8) ☐ MTCA (5) ☐ Priority Pollutant ☐ CAM 17 ☒ Other as Marked Below
Reporting Units: ☒ mg/kg (ppm) ☐ Other

Analyte List: Be V Cr Mn Co Ni Cu Zn As Se Mo Ag Cd Sb Ba Tl Pb Hg Fe Screen

Due Date: 8/22

☐ ve's not Acceptable
☐ Dilutions Not Acceptable for Non-Detects
☐ Need EDF

Sample ID	Sample Weight	Final Volume	Dilutions: Amt. Extract	Dilutions: Amt. Solvent	Dilution Factor	Pan ID	Wet Sample Weight (grams)	Pan & Dry Sample Weight	Percent Solids	Observations
03	2.0 g	50 mL	250µl 50µl	10mL	1000 5000					RCRA
04										RCRA
05			50µl		5000					RCRA + Cu, Ni, Zn
WB08115100										
Initials										

	✓	Volume	Conc.	Compound(s)	Lot #	Initials	Date
Reagent(s)		5 mL	approx. 70%	HNO_3	22S-07	WL	08/15/22
		5 mL	approx. 37%	HCl	22S-14		
		3 mL	approx. 30%	H_2O_2	22S-04		
		20 µL per 10 mL sample	1,000 ppm	Au	I8-73A		
Internal Standard(s)		30 ppb spiked at instr. to yield 10 ppb		See below for IS	I8-56B	N/A	
		10 µL per 10 mL sample	10 mg/L	^{6}Li, ^{45}Sc, ^{72}Ge, ^{89}Y, ^{115}In, ^{159}Tb, ^{165}Ho, ^{209}Bi			

Project Leader Initials: MK

NOTES: Tier IV

Calculated by: SPOS 8/16/22

Reviewed by: MK 8/16/22

BATCH INORGANIC EXTRACTION WORKSHEET

Date Extracted: _____ Technician: ME

QA Batch: I2-0551

AUG 15 '22 AM 9:33

Matrix	Reagent		Analysis		
☒ Soil	☒ HNO_3	Lot # 225-07	☒ Metals	☐ TCLP Metals	☐ TSS
☐ Water	☒ HCL	Lot # 225-14	☐ pH	☐ Turbidity	☐ Hardness
☐ Product	☒ H_2O_2	Lot # 225-04	☐ Specific Gravity	☐ Hg	☐ Other_____
☐ Solid	☐ Hexane	Lot #_____			
☐ _____	☐ BrCl	Lot #_____	☐ Total	☐ Dissolved	☐ Other_____
	☐ NH_2OH-HCl	Lot #_____			
	☐ _____				

Sample ID	pH TCLP Only	Sample Weight/ Volume	Reagent Volume 1	2	3	Final Volume	Dilutions Amt. Extract	Amt. Solvent	Observations
MB			5mL	5mL	3mL	50mL	250µL	10mL	
LCS			↓	↓	↓	↓	↓	↓	
208200-01	MS	2g	↓	↓	↓	↓	↓	↓	
↓	MSD	↓	↓	↓	↓	↓	↓	↓	
ME 08/15/22	~~~~~								
Initials									

Samples in Batch

208200-01	-05	-09	-04
-02	-06	-10	-05
-03	-07	-11	
-04	-08	208203-03	

Date/Initials

Matrix Spikes:
2000 µL of 5-50 ppm of Soil Spike — Lot # I8-145A — 08/15/22 ME
Amount / Concentration / Analytes and Solvent

Matrix Spikes:
10 µL of 1000 ppm of Hg — Lot # I8-125A
Amount / Concentration / Analytes and Solvent

Internal Standard:
0mins tv. µL of 0.03 ppm of IS — Lot # I8-86B
Amount / Concentration / Analytes and Solvent

Notes: _____

VOC EXTRACTION WORKSHEET (SOIL)

HT_____

Project #: 208203 | Date Received: 8/12/22

Client: Wood | Date Extracted: AUG 16 '22 AM8:09

QC Batch ID: 62192 | Date Analyzed: _____

Samples checked against COC MG | GCMS ☐4 ~~☐11~~ ☐13, Seq. Date _____

Analysis Method:
- ☒ 8260
- ☐ 8260 SIM
- ☐ 8260 Direct Sparge
- ☐ Other_____

Requested Analytes:
- ☒ 8260 Normal List
- ☐ PCE+Daughters
- ☐ RBDM VOCs
- ☐ BTEX N
- ☐ cVOCs
- ☐ BTEX
- ☐ MTBE
- ☐ Other_____

Reporting Units:
- ☒ mg/kg (ppm)
- ☐ Other_____

Extraction Method:
- ☒ 5035
- ☐ Other_____

Due Date: 8/22

- ☐ ve's not Acceptable
- ☐ Dilutions Not Acceptable for Non-Detects
- ☐ Need EDF

Sample ID	Total Container Weight	Container Tare Weight	Sample Weight	Extraction Solvent Volume	Dilutions: Amt. Extract	Dilutions: Amt. Solvent	Dilution Factor	Observations
OSC	38.95	29.36	9.59	2.5mL	215 µl	43mL		
ME 08/16/22								
Initials								

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	Methanol	225-15	ME	08/16/22
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
		10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb					
		50 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			66-80		

Project Leader Initials: MG

NOTES: Tier IV

Calculated by MG 8.17.22 Reviewed by YA 08/17/22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 08/16/12 05:00 Technician: WE/LM

QA Batch: **O2-1924**

Matrix
- ☑ Soil
- ☐ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other_____

Solvent Lot #_____

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle) FL Cu			Observations
					Amt. Extract	Amt. Solvent	Silica	Filter	H_2SO_4	
MB		5g	2.5mL		215uL	43mL				
LCS		↓	2.4mL		↓	↓				
MB			2.5mL		860uL					
208219-04D	MS		2.4mL		215uL					
↓	MSD		↓		↓					
WE 08/16/12										
Initials										

Samples in Batch

208219-04	↓ -16			
↓ -05	208203-05			
-10	208205-01			
-13				

Date/Initials

Matrix Spikes:
100 µL of 50 ppm of 8260 LCS/MS Lot #b&t 67.54A LM 8/16/12
Amount Concentration Analytes and Solvent

Matrix Spikes:
_____ µL of _____ ppm of _____ Lot #_____
Amount Concentration Analytes and Solvent

Surrogates:
1 µL of 50 ppm of 8260 IS/SURR Lot # 6680A
Amount Concentration Analytes and Solvent

Internal Standards:
_____ µL of _____ ppm of _____ Lot #_____
Amount Concentration Analytes and Solvent

Notes:_____

VOC EXTRACTION WORKSHEET (WATER)

HT_____

Project #: 208203 | Date Received: 8/12/22

Client: Wood | Date Extracted: AUG 16 '22 AM 8:00

QC Batch ID: 02-1925 | Date Analyzed: _____

Samples checked against COC ME | GCMS ☐4 ☐11 ☒13, Seq. Date _____

Analysis Method:
- ☒ 8260
- ☐ 8260 SIM
- ☐ 524.2 SIM
- ☐ Other_____

Requested Analytes:
- ☒ 8260 Normal List
- ☐ MTBE
- ☐ cVOCs
- ☐ PCE/Daughters
- ☐ BTEX
- ☐ BTEX+N
- ☐ 524.2 Normal List
- ☐ Other_____

Reporting Units:
- ☒ µg/L (ppb)
- ☐ Other_____

Extraction Method:
- ☒ 5030

- ☒ ve's not Acceptable
- ☐ Dilutions Not Acceptable for Non-Detects
- ☐ Need EDF

Due Date: 8/22

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions Amt. Extract	Dilutions Amt. Solvent	Dilution Factor	Foamy Sample	Observations
					mL			
01A	<2	43mL	43mL					
ME 08/16/22								
Initials								

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
	✓	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			66-104A	ME	08/16/22
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials: MK

NOTES: Tier IV

Calculated by [redacted] 8.16.22 Reviewed by YA 08/17/22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 08/16/22 05:00 Technician: ME

QA Batch: **O2-1926**

Matrix
- ☐ Soil
- ☑ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other_____

Solvent Lot #_____

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☑ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	FL Filter	Cu H_2SO_4	Observations
MB		43mL		43mL						
LCS		"		"						
LCSD		"		"						
208204-02G	MS	"		"						
ME 08/16/22										
Initials										

Samples in Batch

208204-02				
L -04				
208263-01				

Date/Initials

Matrix Spikes:
8.6 µL of 50 ppm of 8260 LCS/MS Lot # 67-84A MS 8/17/22
Amount Concentration Analytes and Solvent

Matrix Spikes:
_____ µL of _____ ppm of _____ Lot #_____ _____
Amount Concentration Analytes and Solvent

Surrogates: IS
5 µL of 10 ppm of 8260 IS/SURR Lot # 66-106A _____
Amount Concentration Analytes and Solvent

Internal Standards:
_____ µL of _____ ppm of _____ Lot #_____ _____
Amount Concentration Analytes and Solvent

Notes:

EPA 6020B
MDLs

Method 6020B Soil Standard Mode
Initial Method Detection Limit (iMDL) Study

Location: G:\fbi\MDLs\icp_ms\2021_ICPMS.xls
Analyst: SP
Units: mg/kg (ppm)
Spike Levels: 0.5 mg/kg (ppm)

Analyte	Ion	Spike Level	MDL (2.998*STD)	PQL (2*MDL)	PQL (5*MDL)	STD DEV
Aluminum	Al 27	0.500	0.654	1.31	3.27	0.218
Antimony	Sb 121	0.500	0.102	0.204	0.510	0.0340
	Sb 123	0.500	**0.0972**	0.194	0.486	0.0324
Arsenic	As-2 75	0.500	0.0736	0.147	0.368	0.0246
	As 75	0.500	**0.0747**	0.149	0.374	0.0249
Barium	Ba 135	0.500	0.0451	0.0902	0.225	0.0150
	Ba 137	0.500	**0.0403**	0.0805	0.201	0.0134
Berylium	**Be 9**	0.500	**0.0566**	0.113	0.283	0.0189
Cadmium	**Cd 111**	0.500	**0.0509**	0.102	0.255	0.0170
	Cd 114	0.500	0.0428	0.0857	0.214	0.0143
Chromium	**Cr 52**	0.500	**0.388**	0.776	1.94	0.129
Cobalt	**Co 59**	0.500	**0.0870**	0.174	0.435	0.0290
Copper	**Cu 63**	0.500	**0.226**	0.453	1.13	0.0755
	Cu 65	0.500	0.250	0.501	1.25	0.0835
Lead	**Pb 208**	0.500	**0.0429**	0.0858	0.214	0.0143
Manganese	**Mn 55**	0.500	**0.177**	0.354	0.886	0.0591
Mercury	Hg 201	0.500	0.0608	0.122	0.304	0.0203
	Hg 202	0.500	**0.0409**	0.0818	0.205	0.0136
Molybdenum	**Mo 98**	0.500	**0.0450**	0.0899	0.225	0.0150
Nickel	**Ni 60**	0.500	**0.0567**	0.113	0.284	0.0189
Selenium	Se-1 82	0.500	0.101	0.202	0.505	0.0337
	Se 82	0.500	**0.0944**	0.189	0.472	0.0315
Silver	**Ag 107**	0.500	**0.0339**	0.0678	0.170	0.0113
	Ag 109	0.500	0.0311	0.0621	0.155	0.0104
Thallium	Tl 203	0.500	0.0391	0.0782	0.196	0.0130
	Tl 205	0.500	**0.0409**	0.0817	0.204	0.0136
Thorium	Th 232	0.500	0.0808	0.162	0.404	0.0269
Uranium	U 238	0.500	0.0827	0.165	0.413	0.0276
Zinc	**Zn 66**	0.500	**0.942**	1.88	4.71	0.314
	Zn 68	0.500	1.06	2.12	5.29	0.353

Spike Levels: 2.0 mg/kg (ppm)

Vanadium	**V 51**	2.00	**0.486**	0.972	2.43	0.162

EPA 6020B
Sequence Tables

08/15/22

Dataset Report

User Name: ICPMS2
Computer Name: ICPMS2
Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\
Report Date/Time: Tuesday, August 16, 2022 08:16:51

The Dataset

Sample ID	Date and Time	Read Type	Descrip	Samp. File Name
Torch Alignment	09:11:37 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Torch Alignment.001
[STD/KED] Nebulizer Ga	09:12:28 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	09:14:02 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\[STD-DRC] QID 003
Torch Alignment	09:29:57 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Torch Alignment.004
[STD/KED] Nebulizer Ga	09:30:38 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\[STD-KED] Nebulizer Gas Flov
[STD/DRC] QID	09:32:12 Mon 15-Aug-22	Sample	QID STI	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\[STD-DRC] QID 006
Mass Calibration and Re	09:33:17 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Mass Calibration and Resolutic
[STD] Performance Chec	09:33:41 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\[STD] Performance Check.008
rinse	09:40:22 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.009
rinse	09:44:56 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.010
rinse	09:49:29 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse 011
rinse	09:54:04 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.012
blank	09:58:39 Mon 15-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
0.2 ppb i8-142b	10:03:15 Mon 15-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\0.2 ppb i8-142b.014
1 ppb i8-139a	10:07:51 Mon 15-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\1 ppb i8-139a.015
5 ppb i8-140a	10:12:26 Mon 15-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\5 ppb i8-140a.016
25 ppb i8-141a	10:17:02 Mon 15-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a 017
50 ppb i8-142a	10:21:37 Mon 15-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\50 ppb i8-142a.018
rinse	10:26:12 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.019
rinse	10:30:47 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.020
30 ppb i8-143a ICV	10:35:23 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\30 ppb i8-143a ICV.021
ICB	10:39:58 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\ICB.022
ICB rr	10:44:34 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\ICB rr.023
0.2 ppb i8-142b LLICV	10:49:09 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\0.2 ppb i8-142b LLICV.024
1 ppb i8-139a LLICV	10:53:45 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\1 ppb i8-139a LLICV.025
5 ppb i8-140a LLICV	10:58:20 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\5 ppb i8-140a LLICV.026
rinse	11:02:56 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.027
SIC i8-102b x1000	11:07:30 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\SIC i8-102b x1000.028
SIC i8-102a x200	11:12:03 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\SIC i8-102a x200.029
rinse	11:16:36 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse 030
Linear range 25-200-0	11:21:09 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Linear range 25-200-0 031
Linear range 0-1000-0	11:25:42 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Linear range 0-1000-0.032
Linear range 0-0-5000	11:30:15 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Linear range 0-0-5000.033
rinse	11:37:51 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.034
rinse	11:42:26 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse 035
208188-01 x5	11:47:01 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208188-01 x5.036
208188-02 x5	11:51:34 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208188-02 x5.037
208188-03 x5	11:58:43 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208188-03 x5 038
i2-551 mb	12:03:17 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-551 mb.039
i2-551 lcs	12:07:52 Mon 15-Aug-22	Spike - 2 of 39	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-551 lcs 040
208200-01	12:12:26 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-01.041
i2-551 ms 208200-01	12:17:01 Mon 15-Aug-22	Spike - 2 of 41	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-551 ms 208200-01.042
i2-551 msd 208200-01	12:21:36 Mon 15-Aug-22	Spike - 2 of 41	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-551 msd 208200-01.043
208200-02	12:26:09 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-02.044
208200-03	12:30:43 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-03.045
25 ppb i8-141a CCV (1)	12:35:18 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (1).046
CCB (1)	12:39:54 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (1).047
208200-04	12:44:29 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-04.048
208200-05	12:49:03 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-05.049
208200-06	12:53:36 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-06.050
208200-07	12:58:10 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-07.051
208200-08	13:02:43 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-08 052
208200-09	13:07:17 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-09.053

208200-10	13:11:52 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-10.054
208200-11	13:16:26 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-11.055
208179-01 x5	13:21:01 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208179-01 x5.056
208179-02 x5	13:25:34 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208179-02 x5.057
25 ppb i8-141a CCV (2)	13:30:08 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (2).058
CCB (2)	13:34:43 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (2).059
i2-552 mb	13:41:23 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-552 mb.060
i2-552 lcs	13:45:57 Mon 15-Aug-22	Spike - 1 of 60	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-552 lcs.061
~~i2-553 mb~~ no sample.	13:50:31 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-553 mb.062
~~i2-553 lcs~~ ran air	13:55:05 Mon 15-Aug-22	Spike - 1 of 62	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-553 lcs.063
i2-553 mb spoiled 22	14:00:46 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-553 mb.064
i2-553 lcs	14:05:19 Mon 15-Aug-22	Spike - 1 of 64	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-553 lcs.065
208200-01 x5	14:09:53 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-01 x5.066
i2-551 ms 208200-01 x5	14:14:27 Mon 15-Aug-22	Spike - 5 of 66	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-551 ms 208200-01 x5.067
i2-551 msd 208200-01 x5	14:19:01 Mon 15-Aug-22	Spike - 5 of 66	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-551 msd 208200-01 x5.068
25 ppb i8-141a CCV (3)	14:23:34 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (3).069
CCB (3)	14:28:10 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (3).070
208213-01 x10	14:32:45 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208213-01 x10.071
rinse	14:37:19 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.072
208213-01 x5	14:41:54 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208213-01 x5.073
rinse	14:47:39 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.074
208179-03 x5	14:52:13 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208179-03 x5.075
208203-03	14:56:46 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-03.076
208203-04	15:01:20 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-04.077
208203-05	15:05:54 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-05.078
208179-04 x5	15:10:28 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208179-04 x5.079
208179-05 x5 no sample	15:15:02 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208179-05 x5.080
208203-03 x5	15:21:46 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-03 x5.081
~~208203-05 x5~~ air	15:26:20 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-05 x5.082
208203-05 x5 spoiled 22	15:33:01 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-05 x5.083
25 ppb i8-141a CCV (4)	15:37:36 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (4).084
CCB (4)	15:42:11 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (4).085
rinse	15:46:45 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.086
rinse	15:51:19 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.087
rinse	15:55:52 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.088
rinse	16:17:57 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.089
blank	16:22:43 Mon 15-Aug-22	Blank		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.090
0.2 ppb i8-142b	16:27:19 Mon 15-Aug-22	Standard #1		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\0.2 ppb i8-142b.091
1 ppb i8-139a	16:31:55 Mon 15-Aug-22	Standard #2		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\1 ppb i8-139a.092
5 ppb i8-140a	16:36:30 Mon 15-Aug-22	Standard #3		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\5 ppb i8-140a.093
25 ppb i8-141a	16:41:06 Mon 15-Aug-22	Standard #4		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a.094
50 ppb i8-142a	16:45:41 Mon 15-Aug-22	Standard #5		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\50 ppb i8-142a.095
rinse	16:50:16 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.096
rinse	16:54:51 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.097
30 ppb i8-143a ICV	16:59:27 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\30 ppb i8-143a ICV.098
ICB	17:04:02 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\ICB.099
ICB rr	17:08:38 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\ICB rr.100
0.2 ppb i8-142b LLICV	17:13:14 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\0.2 ppb i8-142b LLICV.101
1 ppb i8-139a LLICV	17:17:49 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\1 ppb i8-139a LLICV.102
5 ppb i8-140a LLICV	17:22:25 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\5 ppb i8-140a LLICV.103
rinse	17:27:00 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.104
SIC i8-102b x1000	17:31:35 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\SIC i8-102b x1000.105
SIC i8-102a x200	17:36:08 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\SIC i8-102a x200.106
rinse	17:40:42 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.107
Linear range 0-150-0	17:45:16 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Linear range 0-150-0.108
Linear range 25-200-0	17:49:49 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Linear range 25-200-0.109
Linear range 0-1000-0	17:54:22 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Linear range 0-1000-0.110
Linear range 0-0-5000	17:58:55 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Linear range 0-0-5000.111
rinse	18:03:30 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.112
rinse	18:08:05 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.113
rinse	18:12:40 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.114
208218-01 spoiled 22	18:17:14 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208218-01.115
208218-~~01~~ 2	18:21:48 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208218-01.116
25 ppb i8-141a CCV (5)	18:26:22 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (5).117

CCB (5)	18:30:58 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (5).118
208158-01 x50	18:35:32 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-01 x50.119
208158-05 x50	18:40:06 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-05 x50.120
208158-06 x50	18:44:40 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-06 x50.121
208204-01 x50	18:49:13 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-01 x50.122
208204-02 x50	18:53:47 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-02 x50.123
208204-04 x50	18:58:20 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-04 x50.124
208204-06 x50	19:02:54 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-06 x50.125
208204-09 x50	19:07:28 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-09 x50.126
208158-01 x50	19:12:02 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-01 x50.127
rinse	19:16:36 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.128
208179-05 x5	19:21:11 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208179-05 x5.129
25 ppb i8-141a CCV (6)	19:25:46 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (6).130
CCB (6)	19:30:22 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (6).131
208158-05 x50	19:34:57 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-05 x50.132
208158-06 x50	19:39:31 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-06 x50.133
208204-01 x50	19:44:05 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-01 x50.134
208204-02 x50	19:48:39 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-02 x50.135
208204-04 x50	19:53:12 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-04 x50.136
208204-06 x50	19:57:45 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-06 x50.137
208204-09 x50	20:02:19 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-09 x50.138
rinse	20:06:54 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.139
208179-06 x5	20:11:29 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208179-06 x5.140
208179-07 x5	20:16:03 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208179-07 x5.141
208184-02 x5	20:20:38 Mon 15-Aug-22	Sample	soil	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208184-02 x5.142
25 ppb i8-141a CCV (7)	20:25:13 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (7).143
CCB (7)	20:29:48 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (7).144
208134-04 x50	20:34:22 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-04 x50.145
208134-04 x50	20:38:56 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-04 x50.146
208134-01 x50	20:43:30 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-01 x50.147
208134-02 x50	20:48:04 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-02 x50.148
208134-03 x50	20:52:37 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-03 x50.149
208134-01 x50	20:57:11 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-01 x50.150
208134-02 x50	21:01:45 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-02 x50.151
208134-03 x50	21:06:19 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-03 x50.152
208204-05 x50	21:10:53 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-05 x50.153
208204-05 x50	21:15:27 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-05 x50.154
rinse	21:20:02 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.155
25 ppb i8-141a CCV (8)	21:24:37 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (8).156
CCB (8)	21:29:13 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (8).157
208158-04 x50	21:33:47 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-04 x50.158
208158-04 x50	21:38:21 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-04 x50.159
208158-02 x50	21:42:54 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-02 x50.160
i2-553 ms 208158-02 x5	21:47:27 Mon 15-Aug-22	Spike - 6 of 160	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-553 ms 208158-02 x50.161
i2-553 msd 208158-02 x	21:52:01 Mon 15-Aug-22	Spike - 6 of 160	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-553 msd 208158-02 x50.162
208158-03 x50	21:56:35 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-03 x50.163
rinse 5/05/16/22	22:01:10 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.164
208158-02 x50	22:05:44 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-02 x50.165
i2-553 ms 208158-02 x5	22:10:17 Mon 15-Aug-22	Spike - 6 of 165	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-553 ms 208158-02 x50.166
i2-553 msd 208158-02 x	22:14:50 Mon 15-Aug-22	Spike - 6 of 165	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-553 msd 208158-02 x50.167
208158-03 x50	22:19:23 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-03 x50.168
rinse	22:23:57 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.169
25 ppb i8-141a CCV (9)	22:28:33 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (9).170
CCB (9)	22:33:08 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (9).171
208204-08 x50	22:37:43 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-08 x50.172
208204-08 x50	22:42:17 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-08 x50.173
208204-03 x50	22:46:52 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-03 x50.174
208204-03 x50	22:51:26 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-03 x50.175
rinse	22:56:00 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.176
208158-01 x10	23:00:35 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-01 x10.177
208158-05 x10	23:05:09 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-05 x10.178
208158-06 x10	23:09:42 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-06 x10.179
208204-01 x10	23:14:16 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-01 x10.180
208204-02 x10	23:18:50 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-02 x10.181

208204-04 x10	23:23:25 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-04 x10.182
rinse	23:27:59 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.183
25 ppb i8-141a CCV (10)	23:32:35 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (10).184
CCB (10)	23:37:10 Mon 15-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (10).185
208204-06 x10	23:41:45 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-06 x10.186
208204-09 x10	23:46:18 Mon 15-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-09 x10.187
208158-01 x10	23:50:52 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-01 x10.188
208158-05 x10	23:55:25 Mon 15-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-05 x10.189
208158-06 x10	00:00:00 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-06 x10.190
208204-01 x10	00:04:33 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-01 x10.191
208204-02 x10	00:09:07 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-02 x10.192
208204-04 x10	00:13:41 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-04 x10.193
208204-06 x10	00:18:15 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-06 x10.194
208204-09 x10	00:22:50 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-09 x10.195
rinse	00:27:25 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.196
25 ppb i8-141a CCV (11)	00:32:00 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (11).197
CCB (11)	00:36:36 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (11).198
208204-05 x10	00:41:11 Tue 16-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-05 x10.199
208204-05 x10	00:45:48 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-05 x10.200
208134-01 x10	00:50:22 Tue 16-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-01 x10.201
208134-02 x10	00:54:55 Tue 16-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-02 x10.202
208134-03 x10	00:59:29 Tue 16-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-03 x10.203
208134-04 x10	01:04:03 Tue 16-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-04 x10.204
208134-01 x10	01:08:38 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-01 x10.205
208134-02 x10	01:13:12 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-02 x10.206
208134-03 x10	01:17:46 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-03 x10.207
208134-04 x10	01:22:19 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208134-04 x10.208
rinse	01:26:54 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.209
rinse	01:31:29 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.210
25 ppb i8-141a CCV (12)	01:36:05 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (12).211
CCB (12)	01:40:40 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (12).212
208158-04 x10	01:45:15 Tue 16-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-04 x10.213
208158-04 x10	01:49:49 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-04 x10.214
rinse	01:54:24 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.215
208158-02 x10	01:58:59 Tue 16-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-02 x10.216
i2-552 ms 208158-02 x1	02:03:32 Tue 16-Aug-22	Spike - 11 of 216	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-552 ms 208158-02 x10.217
i2-552 msd 208158-02 x	02:08:05 Tue 16-Aug-22	Spike - 11 of 216	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-552 msd 208158-02 x10.218
rinse	02:12:40 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.219
208158-03 x10	02:17:14 Tue 16-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-03 x10.220
208158-02 x10	02:21:48 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-02 x10.221
i2-552 ms 208158-02 x1	02:26:21 Tue 16-Aug-22	Spike - 11 of 221	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-552 ms 208158-02 x10.222
i2-552 msd 208158-02 x	02:30:55 Tue 16-Aug-22	Spike - 11 of 221	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-552 msd 208158-02 x10.223
208158-03 x10	02:35:30 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208158-03 x10.224
rinse	02:40:04 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.225
Ca rinse	02:44:37 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Ca rinse.226
rinse	02:49:11 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.227
25 ppb i8-141a CCV (13)	02:53:46 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (13).228
CCB (13)	02:58:22 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (13).229
208204-08 x10	03:02:56 Tue 16-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-08 x10.230
208204-08 x10	03:07:30 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-08 x10.231
208204-03 x10	03:12:04 Tue 16-Aug-22	Sample	diss	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-03 x10.232
208204-03 x10	03:16:39 Tue 16-Aug-22	Sample	water	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208204-03 x10.233
rinse	03:21:13 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.234
Ca rinse	03:25:46 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Ca rinse.235
rinse	03:30:19 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.236
Ca rinse	03:34:52 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Ca rinse.237
rinse	03:39:26 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.238
25 ppb i8-141a CCV (14)	03:44:02 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (14).239
CCB (14)	03:48:37 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (14).240
Ca rinse	03:53:11 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Ca rinse.241
rinse	03:57:45 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.242
rinse	04:02:21 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.243
rinse	04:06:55 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.244
rinse	04:11:28 Tue 16-Aug-22	Sample		C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\rinse.245

DIW	04:16:03 Tue 16-Aug-22	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\DIW.246
empty	04:19:44 Tue 16-Aug-22	Sample	C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\empty.247

EPA 6020B
Instrument Performance Checks

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw

Start Time: 8/15/2022 9:11:35 AM
End Time: 8/15/2022 9:15:01 AM

Torch Alignment - [Passed]

Vertical:	0.14 mm
Horizontal:	-0.07 mm
Intensity:	79590.09

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1
Obtained Intensity (In 115): 84541.42
Obtained Formula (CeO 156 / Ce 140): 0.0179 (=1350.06 / 75472.84)

Cancelled to change down. SPO 8/15/22

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw;

Optimization Status

Start Time: 8/15/2022 9:11:35 AM

Torch Alignment
	Optimization Settings:
		Method: Torch Alignment.mth.
		Intensity Criterion: In 115 Maximum

	Optimization Results:

	[Passed]
		Vertical:	0.14 mm
		Horizontal:	-0.07 mm
		Intensity:	79590.09

[STD/KED] Nebulizer Gas Flow
	Optimization Settings:
		Method: Optimize.mth.
			Initial Try - Start/End/Step: 0.98/1.04/0.01.
		Intensity Criterion: In 115 Maximum
		Formula Criterion: CeO 156 / Ce 140 <= 0.02

	Optimization Results:
	Initial Try

		Obtained Intensity (In 115): 84541.42
		Obtained Formula (CeO 156 / Ce 140): 0.0179 (=1350.06 / 75472.84)
[Passed] Optimum value(s): 1

[STD/DRC] QID
	Optimization Settings:
		Method: QID Calibration.mth.
			Initial Try - Start/End/Step: -20/0/0.5.

	Optimization Results:
	Initial Try

[Cancelled]

End Time: 8/15/2022 9:15:01 AM

Performance Check Report

Sample ID: [STD] Performance Check
Sample Date/Time: Monday, August 15, 2022 09:33:41
Sample Description:
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\STD Performance Check.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\[STD] Performance Check.008
MassCal File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Conditions File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Dual Detector Mode: Pulse
Acq. Dead Time (ns): 35
Current Dead Time (ns): 35
Torch Z position (mm): 0.00

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD	Mode
	Be	9.0	5480.1	5480.051	89.816	1.6	Standard
	In	114.9	80765.5	80765.468	394.720	0.5	Standard
	U	238.1	62009.0	62008.955	155.339	0.3	Standard
⌈	CeO	155.9	1403.3	0.019	0.000	0.8	Standard
| >	Ce	139.9	74004.9	74004.925	183.893	0.2	Standard
⌊	Ce++	70.0	1005.3	0.014	0.000	3.3	Standard
	Bkgd	220.0	0.1	0.067	0.091	136.9	Standard

Current Conditions File Data

Current Value	Description
1.00	Standard - Nebulizer Gas Flow STD/KED [NEB]
1.20	Standard - Auxiliary Gas Flow
18.00	Standard - Plasma Gas Flow
0.00	Standard - Makeup Gas Flow STD/KED [MGF]
0.00	Standard - Oxygen Gas Flow
-10.00	Standard - Deflector Voltage
1600.00	Standard - ICP RF Power
-1681.00	Standard - Analog Stage Voltage
1050.00	Standard - Pulse Stage Voltage
0.00	Standard - Quadrupole Rod Offset STD [QRO]
-15.00	Standard - Cell Rod Offset STD [CRO]
12.00	Standard - Discriminator Threshold
-4.00	Standard - Cell Entrance/Exit Voltage STD
-12.00	Helium KED - KED Mode QRO
-15.00	Helium KED - KED Mode CRO
-6.00	Helium KED - KED Mode Cell Entrance Voltage
-25.00	Helium KED - KED Mode Cell Exit Voltage
475.00	Helium KED - KED Mode Axial Field Voltage
0.00	Helium KED - KED RPa
0.25	Helium KED - KED RPq
0.00	Helium KED - Cell Gas A

SmartTune Wizard - Summary

Optimization Summary

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw:

Start Time: 8/15/2022 9:29:55 AM
End Time: 8/15/2022 9:35:45 AM

Torch Alignment - [Passed]
Vertical: -0.13 mm
Horizontal: 0.32 mm
Intensity: 75713.11

[STD/KED] Nebulizer Gas Flow - [Passed] Optimum value(s): 1
Obtained Intensity (In 115): 80234.69
Obtained Formula (CeO 156 / Ce 140): 0.0181 (=1297.06 / 71830.13)

[STD/DRC] QID - Optimum value(s): Correlation Coefficient = 1.000; Intercept = -14.88

Mass Calibration and Resolution - [Passed] Optimum value(s): N/A
Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.685)
Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.681)
Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.704)
Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.683)

[STD] Performance Check - [Passed] Optimum value(s): N/A
Obtained Intensity (Be 9): 5480.05
Obtained Intensity (In 115): 80765.47
Obtained Intensity (U 238): 62008.95
Obtained Intensity (Bkgd 220): 0.07
Obtained Formula (CeO 156 / Ce 140): 0.019 (=1403.27 / 74004.92)
Obtained Formula (Ce++ 70 / Ce 140): 0.014 (=1005.30 / 74004.92)

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\FBI - SmartTune Daily.sw;

Optimization Status

Start Time: 8/15/2022 9:29:55 AM

Torch Alignment
Optimization Settings:
Method: Torch Alignment.mth.
Intensity Criterion: In 115 Maximum

Optimization Results:

[Passed]
Vertical: -0.13 mm
Horizontal: 0.32 mm
Intensity: 75713.11

[STD/KED] Nebulizer Gas Flow
Optimization Settings:
Method: Optimize.mth.
Initial Try - Start/End/Step: 0.98/1.04/0.01.
Intensity Criterion: In 115 Maximum
Formula Criterion: CeO 156 / Ce 140 <= 0.02

Optimization Results:
Initial Try

Obtained Intensity (In 115): 80234.69
Obtained Formula (CeO 156 / Ce 140): 0.0181 (=1297.06 / 71830.13)
[Passed] Optimum value(s): 1

[STD/DRC] QID
Optimization Settings:
Method: QID Calibration.mth.
Initial Try - Start/End/Step: -20/0/0.5.

Optimization Results:
Initial Try

Optimum value(s): Correlation Coefficient = 1.000; Intercept = -14.88

Analyte	Mass	Points	DAC	MaxIntensity
Li	7	41	-15	34974.8
Mg	24	41	-15	44396.9
In	115	41	-11	84521.3
Ce	140	41	-10	73725.8
Pb	208	41	-8.5	35275.5
U	238	41	-8.5	61508.1

Mass Calibration and Resolution
Optimization Settings:
Method: Tuning.mth.
MassCal File: Default.tun
Iterations: 6

```
            Target accuracy (+/- amu): 0.05 for Mass Cal. and 0.03 for Resolution
            Peak height (%) for Res. Opt.: 10

        Optimization Results:
        Initial Try
            Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.685)
            Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.681)
            Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.704)
            Target/Obtained mass (238.05/238.075), Target/Obtained resolution (0.7/0.683)
[Passed]  Optimum value(s): N/A

[STD] Performance Check
        Optimization Settings:
            Method: STD Performance Check.mth.
            Intensity Criterion: Be 9 > 2000
            Intensity Criterion: In 115 > 40000
            Intensity Criterion: U 238 > 30000
            Intensity Criterion: Bkgd 220 <= 1
            Formula Criterion: CeO 156 / Ce 140 <= 0.025
            Formula Criterion: Ce++ 70 / Ce 140 <= 0.03

        Optimization Results:
        Initial Try
            Obtained Intensity (Be 9): 5480.05
            Obtained Intensity (In 115): 80765.47
            Obtained Intensity (U 238): 62008.95
            Obtained Intensity (Bkgd 220): 0.07
            Obtained Formula (CeO 156 / Ce 140): 0.019 (=1403.27 / 74004.92)
            Obtained Formula (Ce++ 70 / Ce 140): 0.014 (=1005.30 / 74004.92)

[Passed]  Optimum value(s): N/A

End Time: 8/15/2022 9:35:45 AM
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Quantitative Analysis - Summary Report

Sample ID: SIC i8-102b x1000

Sample Date/Time: Monday, August 15, 2022 11:07:30
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\SIC i8-102b x1000.028
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 255
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	261475	2.80		ug/L	Standard
	Li	7	14522	16155	3.08		ug/L	Standard
	Be	9	2	22	27.27	0.004	ug/L	Standard
	Al	27	54642	4006452	3.64	87.979	ug/L	Standard
	Be-1	9	2	22	27.27	0.004	ug/L	Standard
>	Sc	45	387257	405232	3.86		ug/L	Standard
	V	51	10524	10797	9.82	-0.004	ug/L	Standard
	V-1	51	2637	959	10.77	-0.058	ug/L	Standard
	Cr	52	31842	32394	9.70	-0.025	ug/L	Standard
	Cr	53	1037	496	13.25	-0.191	ug/L	Standard
	Mn	55	6435	6692	3.16	0.001	ug/L	Standard
	Fe	57	31806	201136	0.93	235.802	ug/L	Standard
	Co	59	221	322	0.95	0.003	ug/L	Standard
	Ni	60	189	276	1.68	0.013	ug/L	Standard
	Ni	62	82	107	10.37	0.023	ug/L	Standard
	Cu	63	5105	6898	2.02	0.115	ug/L	Standard
	Cu	65	2358	3054	2.63	0.095	ug/L	Standard
	Zn	66	762	982	6.01	0.057	ug/L	Standard
	Zn	67	142	154	8.36	0.013	ug/L	Standard
	Zn	68	1470	1713	2.63	0.081	ug/L	Standard
	As-2	75	300	270	5.87	-0.012	ug/L	Standard
	As-3	75	656	524	5.23	-0.052	ug/L	Standard
	Se-1	77	193	178	4.24	-0.090	ug/L	Standard
	Se-1	82	8	25	82.68	0.041	ug/L	Standard
>	Ge	72	48971	50786	1.33		ug/L	Standard
	As	75	300	270	5.87	-0.013	ug/L	Standard
	As-1	75	656	524	5.23	-0.053	ug/L	Standard
	Se	77	193	178	4.24	-0.093	ug/L	Standard
	Se	82	8	25	82.68	0.040	ug/L	Standard
	Y	89	485564	513509	1.77		ug/L	Standard
	Mo	98	29	16645	2.51	1.816	ug/L	Standard
	Ag	107	187	220	1.14	0.001	ug/L	Standard
	Ag	109	155	270	12.62	0.004	ug/L	Standard

	Cd	111	68	67	14.40	-0.001	ug/L	Standard
	Cd	114	68	82	10.04	0.001	ug/L	Standard
>	In	115	659309	687582	1.67		ug/L	Standard
	Sb	121	1125	2350	2.44	0.078	ug/L	Standard
	Sb	123	849	1843	4.10	0.083	ug/L	Standard
	Ba	135	46	46	3.30	-0.000	ug/L	Standard
	Ba	137	56	76	8.02	0.002	ug/L	Standard
	Tb	159	792267	844379	1.15		ug/L	Standard
>	Ho	165	798706	857933	0.70		ug/L	Standard
	Hg	201	11	35	16.40	0.012	ug/L	Standard
	Hg	202	26	56	8.30	0.007	ug/L	Standard
	Tl	203	17	80	23.76	0.003	ug/L	Standard
	Tl	205	36	206	10.76	0.004	ug/L	Standard
	Pb	208	1816	2157	0.88	0.003	ug/L	Standard
	Bi	209	413360	441277	2.01		ug/L	Standard
	Th	232	2857	26466	4.78	0.488	ug/L	Standard
	U	238	26	111	18.33	0.001	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		108.950			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.642			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		103.706			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		104.288			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		107.415			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: SIC i8-102a x200

Sample Date/Time: Monday, August 15, 2022 11:12:03
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\SIC i8-102a x200.029
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 256
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	224097	2.28		ug/L	Standard
	Li	7	14522	14061	2.24		ug/L	Standard
	Be	9	2	13	15.38	0.003	ug/L	Standard
	Al	27	54642	173978213	2.42	4525.492	ug/L	Standard
	Be-1	9	2	13	15.38	0.002	ug/L	Standard
>	Sc	45	387257	448413	1.52		ug/L	Standard
	V	51	10524	9470	12.93	-0.075	ug/L	Standard
	V-1	51	2637	46007	3.16	1.297	ug/L	Standard
	Cr	52	31842	38550	7.89	0.086	ug/L	Standard
	Cr	53	1037	15553	3.11	4.344	ug/L	Standard
	Mn	55	6435	11332	2.63	0.101	ug/L	Standard
	Fe	57	31806	8197742	1.43	10486.242	ug/L	Standard
	Co	59	221	4034	1.47	0.120	ug/L	Standard
	Ni	60	189	3121	8.07	0.421	ug/L	Standard
	Ni	62	82	1044	36.86	0.947	ug/L	Standard
	Cu	63	5105	11894	2.70	0.403	ug/L	Standard
	Cu	65	2358	3726	0.22	0.151	ug/L	Standard
	Zn	66	762	2277	1.12	0.386	ug/L	Standard
	Zn	67	142	1165	1.21	1.748	ug/L	Standard
	Zn	68	1470	2294	4.50	0.247	ug/L	Standard
	As-2	75	300	152	40.86	-0.053	ug/L	Standard
	As-3	75	656	2096	3.72	0.414	ug/L	Standard
	Se-1	77	193	720	2.50	1.841	ug/L	Standard
	Se-1	82	8	28	40.09	0.045	ug/L	Standard
>	Ge	72	48971	55456	3.60		ug/L	Standard
	As	75	300	152	40.86	-0.047	ug/L	Standard
	As-1	75	656	2096	3.72	0.486	ug/L	Standard
	Se	77	193	720	2.50	2.136	ug/L	Standard
	Se	82	8	28	40.09	0.052	ug/L	Standard
	Y	89	485564	461340	2.76		ug/L	Standard
	Mo	98	29	789654	1.62	89.072	ug/L	Standard
	Ag	107	187	173	1.20	-0.001	ug/L	Standard
	Ag	109	155	232	20.40	0.003	ug/L	Standard

	Cd	111	68	248	34.49	0.032	ug/L	Standard
	Cd	114	68	1076	2.97	0.074	ug/L	Standard
>	In	115	659309	666294	1.55		ug/L	Standard
	Sb	121	1125	2065	5.72	0.064	ug/L	Standard
	Sb	123	849	1562	6.12	0.063	ug/L	Standard
	Ba	135	46	218	7.17	0.040	ug/L	Standard
	Ba	137	56	360	8.44	0.041	ug/L	Standard
	Tb	159	792267	872182	0.72		ug/L	Standard
>	Ho	165	798706	862978	0.14		ug/L	Standard
	Hg	201	11	52	8.83	0.022	ug/L	Standard
	Hg	202	26	117	4.69	0.022	ug/L	Standard
	Tl	203	17	69	21.41	0.003	ug/L	Standard
	Tl	205	36	166	1.39	0.003	ug/L	Standard
	Pb	208	1816	3089	1.08	0.019	ug/L	Standard
	Bi	209	413360	407285	1.16		ug/L	Standard
	Th	232	2857	86939	14.70	1.737	ug/L	Standard
	U	238	26	197	9.51	0.003	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel % Difference
>	6	Li		93.375			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		115.792			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		113.243			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.059			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		108.047			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: Linear range 25-200-0

Sample Date/Time: Monday, August 15, 2022 11:21:09
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Linear range 25-200-0.031
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 259
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	256155	1.58		ug/L	Standard
	Li	7	14522	15976	1.21		ug/L	Standard
	Be	9	2	927071	1.15	190.996	ug/L	Standard
	Al	27	54642	8318950	1.22	187.981	ug/L	Standard
	Be-1	9	2	927071	1.15	186.994	ug/L	Standard
>	Sc	45	387257	433653	3.36		ug/L	Standard
	V	51	10524	6100480	0.41	197.932	ug/L	Standard
	V-1	51	2637	6163368	0.30	197.673	ug/L	Standard
	Cr	52	31842	5290644	0.12	196.647	ug/L	Standard
	Cr	53	1037	618829	1.64	198.536	ug/L	Standard
	Mn	55	6435	7380078	0.20	195.948	ug/L	Standard
	Fe	57	31806	34861	1.86	1.448	ug/L	Standard
	Co	59	221	5825140	2.83	196.373	ug/L	Standard
	Ni	60	189	1282731	0.80	198.048	ug/L	Standard
	Ni	62	82	184048	1.33	193.126	ug/L	Standard
	Cu	63	5105	2804163	0.64	196.216	ug/L	Standard
	Cu	65	2358	1296125	0.27	195.769	ug/L	Standard
	Zn	66	762	672954	1.39	195.274	ug/L	Standard
	Zn	67	142	106816	1.14	197.709	ug/L	Standard
	Zn	68	1470	468449	0.76	195.149	ug/L	Standard
	As-2	75	300	640245	2.14	193.107	ug/L	Standard
	As-3	75	656	603825	2.02	196.497	ug/L	Standard
	Se-1	77	193	51019	1.07	198.617	ug/L	Standard
	Se-1	82	8	77465	2.22	191.282	ug/L	Standard
>	Ge	72	48971	52047	0.70		ug/L	Standard
	As	75	300	640245	2.14	191.406	ug/L	Standard
	As-1	75	656	603825	2.02	194.759	ug/L	Standard
	Se	77	193	51019	1.07	196.828	ug/L	Standard
	Se	82	8	77465	2.22	189.598	ug/L	Standard
	Y	89	485564	500548	3.19		ug/L	Standard
	Mo	98	29	1737222	2.86	186.427	ug/L	Standard
	Ag	107	187	3295885	4.11	182.532	ug/L	Standard
	Ag	109	155	4508675	3.30	180.570	ug/L	Standard

	Cd	111	68	1152264	1.58	195.111	ug/L	Standard
	Cd	114	68	2805925	1.52	195.353	ug/L	Standard
>	In	115	659309	700284	2.35		ug/L	Standard
	Sb	121	1125	2943339	1.76	192.592	ug/L	Standard
	Sb	123	849	2289060	1.90	194.011	ug/L	Standard
	Ba	135	46	912902	0.60	201.003	ug/L	Standard
	Ba	137	56	1565916	1.18	199.861	ug/L	Standard
	Tb	159	792267	891997	1.43		ug/L	Standard
>	Ho	165	798706	882520	1.76		ug/L	Standard
	Hg	201	11	45251	1.18	24.145	ug/L	Standard
	Hg	202	26	99226	1.75	24.108	ug/L	Standard
	Tl	203	17	3755490	1.43	185.605	ug/L	Standard
	Tl	205	36	8710621	1.36	183.358	ug/L	Standard
	Pb	208	1816	11178916	1.43	184.193	ug/L	Standard
	Bi	209	413360	418645	1.90		ug/L	Standard
	Th	232	2857	9494989	2.96	192.415	ug/L	Standard
	U	238	26	10363506	0.53	179.231	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		106.733			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		111.981			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		106.282			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		106.215			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		110.494			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: Linear range 0-1000-0

Sample Date/Time: Monday, August 15, 2022 11:25:42
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Linear range 0-1000-0.032
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 260
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	246317	1.59		ug/L	Standard
	Li	7	14522	15450	2.69		ug/L	Standard
	Be	9	2	4386044	0.62	939.701	ug/L	Standard
	Al	27	54642	39130000	0.86	924.883	ug/L	Standard
	Be-1	9	2	4386044	0.62	866.916	ug/L	Standard
>	Sc	45	387257	442447	2.17		ug/L	Standard
	V	51	10524	29618679	1.48	952.332	ug/L	Standard
	V-1	51	2637	29897228	1.09	949.215	ug/L	Standard
	Cr	52	31842	25872501	1.00	956.514	ug/L	Standard
	Cr	53	1037	2998809	1.26	953.454	ug/L	Standard
	Mn	55	6435	36315446	0.81	954.915	ug/L	Standard
	Fe	57	31806	33206	1.31	-1.288	ug/L	Standard
	Co	59	221	28316426	2.08	944.695	ug/L	Standard
	Ni	60	189	6125641	1.21	936.076	ug/L	Standard
	Ni	62	82	897666	0.48	932.496	ug/L	Standard
	Cu	63	5105	13562972	1.04	940.613	ug/L	Standard
	Cu	65	2358	6172316	1.31	923.961	ug/L	Standard
	Zn	66	762	3204417	0.56	921.011	ug/L	Standard
	Zn	67	142	518693	0.73	951.153	ug/L	Standard
	Zn	68	1470	2270021	0.93	938.349	ug/L	Standard
	As-2	75	300	3068082	0.53	916.209	ug/L	Standard
	As-3	75	656	2900408	0.46	934.977	ug/L	Standard
	Se-1	77	193	245208	0.06	947.740	ug/L	Standard
	Se-1	82	8	369880	1.14	903.968	ug/L	Standard
>	Ge	72	48971	52595	0.93		ug/L	Standard
	As	75	300	3068082	0.53	974.522	ug/L	Standard
	As-1	75	656	2900408	0.46	994.428	ug/L	Standard
	Se	77	193	245208	0.06	1007.894	ug/L	Standard
	Se	82	8	369880	1.14	961.527	ug/L	Standard
	Y	89	485564	482193	3.28		ug/L	Standard
	Mo	98	29	8298516	0.53	945.994	ug/L	Standard
	Ag	107	187	16610534	0.79	977.276	ug/L	Standard
	Ag	109	155	22345006	1.17	950.654	ug/L	Standard

	Cd	111	68	5544441	0.92	997.104	ug/L	Standard
	Cd	114	68	13203636	0.80	976.232	ug/L	Standard
>	In	115	659309	659342	1.25		ug/L	Standard
	Sb	121	1125	13462834	0.48	935.542	ug/L	Standard
	Sb	123	849	10241336	1.08	921.778	ug/L	Standard
	Ba	135	46	4320470	0.77	1010.277	ug/L	Standard
	Ba	137	56	7388824	1.02	1001.556	ug/L	Standard
	Tb	159	792267	757429	1.18		ug/L	Standard
>	Ho	165	798706	741418	1.02		ug/L	Standard
	Hg	201	11	161	23.33	0.096	ug/L	Standard
	Hg	202	26	394	21.78	0.107	ug/L	Standard
	Tl	203	17	13207129	1.02	776.955	ug/L	Standard
	Tl	205	36	30713352	0.87	769.607	ug/L	Standard
	Pb	208	1816	38899378	1.34	762.996	ug/L	Standard
	Bi	209	413360	296530	1.78		ug/L	Standard
	Th	232	2857	31168046	2.12	751.665	ug/L	Standard
	U	238	26	32589656	1.92	670.747	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		102.634			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		114.251			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		107.399			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		100.005			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		92.827			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: Linear range 0-0-5000

Sample Date/Time: Monday, August 15, 2022 11:30:15
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\Linear range 0-0-5000.033
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 252
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	260330	2.58		ug/L	Standard
	Li	7	14522	16329	2.72		ug/L	Standard
	Be	9	2	1035	28.81	0.208	ug/L	Standard
	Al	27	54642	77762	8.04	0.412	ug/L	Standard
	Be-1	9	2	1035	28.81	0.206	ug/L	Standard
>	Sc	45	387257	436989	2.18		ug/L	Standard
	V	51	10524	17383	16.21	0.165	ug/L	Standard
	V-1	51	2637	7525	24.86	0.136	ug/L	Standard
	Cr	52	31842	38991	14.44	0.098	ug/L	Standard
	Cr	53	1037	1222	24.89	0.014	ug/L	Standard
	Mn	55	6435	15391	18.60	0.201	ug/L	Standard
	Fe	57	31806	3715417	1.47	4702.765	ug/L	Standard
	Co	59	221	7084	25.95	0.216	ug/L	Standard
	Ni	60	189	1594	25.15	0.200	ug/L	Standard
	Ni	62	82	348	17.69	0.250	ug/L	Standard
	Cu	63	5105	9954	12.25	0.272	ug/L	Standard
	Cu	65	2358	4600	9.84	0.272	ug/L	Standard
	Zn	66	762	2234	12.60	0.372	ug/L	Standard
	Zn	67	142	404	13.49	0.421	ug/L	Standard
	Zn	68	1470	2638	8.86	0.378	ug/L	Standard
	As-2	75	300	1865	24.00	0.431	ug/L	Standard
	As-3	75	656	1883	17.66	0.347	ug/L	Standard
	Se-1	77	193	357	14.21	0.502	ug/L	Standard
	Se-1	82	8	140	9.01	0.301	ug/L	Standard
>	Ge	72	48971	55731	1.87		ug/L	Standard
	As	75	300	1865	24.00	0.456	ug/L	Standard
	As-1	75	656	1883	17.66	0.377	ug/L	Standard
	Se	77	193	357	14.21	0.574	ug/L	Standard
	Se	82	8	140	9.01	0.318	ug/L	Standard
	Y	89	485564	515076	1.97		ug/L	Standard
	Mo	98	29	11227	26.09	1.188	ug/L	Standard
	Ag	107	187	9561	25.39	0.512	ug/L	Standard
	Ag	109	155	13366	27.41	0.522	ug/L	Standard

	Cd	111	68	1282	23.01	0.202	ug/L	Standard
	Cd	114	68	2993	29.99	0.201	ug/L	Standard
>	In	115	659309	705639	3.13		ug/L	Standard
	Sb	121	1125	168057	19.94	10.808	ug/L	Standard
	Sb	123	849	129772	19.70	10.811	ug/L	Standard
	Ba	135	46	1582	22.68	0.334	ug/L	Standard
	Ba	137	56	2753	24.38	0.340	ug/L	Standard
	Tb	159	792267	892091	2.38		ug/L	Standard
>	Ho	165	798706	896925	2.09		ug/L	Standard
	Hg	201	11	95	8.36	0.043	ug/L	Standard
	Hg	202	26	179	9.32	0.036	ug/L	Standard
	Tl	203	17	8492	30.82	0.411	ug/L	Standard
	Tl	205	36	20235	32.23	0.417	ug/L	Standard
	Pb	208	1816	34461	19.34	0.524	ug/L	Standard
	Bi	209	413360	454967	2.03		ug/L	Standard
	Th	232	2857	360071	18.85	7.099	ug/L	Standard
	U	238	26	18059	31.71	0.306	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		108.473			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		112.842			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		113.804			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		107.027			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		112.297			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
Checklists

ICP/MS 200.8/6020B Method Data Calculation/Review Checklist

Instrument: ICP/MS Sequence Date: 08/15/22 Curve #: 1

Item	Satisfactory Calc.	Satisfactory Review	Deficient Calc.	Deficient Review
Batch				
Tune, Optimization, and Daily Performance analyzed (x2)	✓	✓		
Initial Calibration analyzed and ≥ 0.995	✓	✓		
Initial Calibration Verification (ICV) ± 10% of True Value	✓	✓		
Low Level ICV ± 20% of True Value	✓	✓		
Spectral Interference Check (SIC) analyzed every 12 hours and less than 2 times LLOQ	✓	✓		
Linear Range analyzed ± 10% of True Value	✓	✓		
Continuing Calibration Verification (CCV) within limits (± 15% for 200.8 and ± 10% for 6020 of True Value)	✓		✓	✓
Continuing Calibration Blank (CCB) < PQL	✓	✓		
Dilution Test (± 20% of original sample concentration) and/or Post Spike (± 25% of original sample concentration) analyzed	SS ✓	-		
Internal Standards within limits (60-125% for 200.8 and 70-130% for 6020)	✓		✓	✓
Laboratory Control Sample (LCS) recoveries within limits (85%-115% for 200.8 and 80-120% for 6020)	✓	✓		
Matrix Spike (MS) recoveries within limits (70%-130% for 200.8 and 75-125% for 6020)	✓		✓	✓
RPDs within limits	✓		✓	✓
Non-Conformance Report filled out (if needed)	N/A	✓		
Individual Projects/Part Reports				
Correct extraction information used in calculation	✓	✓		
Each analyte requested and detected on the instrument is reported as detected on part report	✓	✓		
Correct reporting limits listed for each analyte (including dilution factors)	✓	✓		
Correct method blank included in part report	✓	✓		
Extracted and analyzed dates entered correctly	✓	✓		
Worksheets initialed and dated	✓	✓		

Lower Limit of Quantitation (LLOQ) Study Completed: 08/09/22.

Linear Range – Fe: 5000 Hg: 25 Pb: 200 Most Analytes: 1000 Other: 200: Be-1, Tl Both

Notes:

Analyst's Initials and Date KDR 8/16/22 Reviewer's Initials and Date MG 8/16/22

Revision Date: 08/09/22 sops\chklist\ICPMS6020review

EPA 6020B
Initial Calibrations

Quantitative Analysis Calibration Report

File Name: 08-15-22.cal
File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Li	7.016	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.02	0.00	0.999997
Al	26.982	Linear Thru Zero	0.17	0.00	0.999965
Be-1	9.012	Linear Thru Zero	0.01	0.00	0.999995
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
V	50.944	Linear Thru Zero	0.59	0.00	0.999989
V-1	50.944	Linear Thru Zero	0.60	0.00	0.999995
Cr	51.941	Linear Thru Zero	0.51	0.00	0.999993
Cr	52.941	Linear Thru Zero	0.06	0.00	0.999984
Mn	54.938	Linear Thru Zero	0.72	0.00	0.999999
Fe	56.935	Linear Thru Zero	0.01	0.00	0.999979
Co	58.933	Linear Thru Zero	0.57	0.00	0.999996
Ni	59.933	Linear Thru Zero	0.12	0.00	0.999982
Ni	61.928	Linear Thru Zero	0.02	0.00	0.999996
Cu	62.930	Linear Thru Zero	0.27	0.00	0.999996
Cu	64.928	Linear Thru Zero	0.13	0.00	0.999997
Zn	65.926	Linear Thru Zero	0.07	0.00	0.999995
Zn	66.927	Linear Thru Zero	0.01	0.00	0.999963
Zn	67.925	Linear Thru Zero	0.05	0.00	0.999987
As-2	74.922	Linear Thru Zero	0.06	0.00	0.999986
As-3	74.922	Linear Thru Zero	0.06	0.00	0.999995
Se-1	76.920	Linear Thru Zero	0.00	0.00	0.999995
Se-1	81.917	Linear Thru Zero	0.01	0.00	0.999984
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.00	0.00	0.999991
As-1	74.922	Linear Thru Zero	0.00	0.00	0.999997
Se	76.920	Linear Thru Zero	0.00	0.00	0.999985
Se	81.917	Linear Thru Zero	0.00	0.00	0.999988
Y	88.905	Linear Thru Zero	0.00	0.00	0.000000
Mo	97.906	Linear Thru Zero	0.01	0.00	0.999990
Ag	106.905	Linear Thru Zero	0.03	0.00	1.000000
Ag	108.905	Linear Thru Zero	0.04	0.00	0.999999
Cd	110.904	Linear Thru Zero	0.01	0.00	0.999991
Cd	113.904	Linear Thru Zero	0.02	0.00	0.999999
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb	120.904	Linear Thru Zero	0.02	0.00	0.999941
Sb	122.904	Linear Thru Zero	0.02	0.00	0.999965
Ba	134.906	Linear Thru Zero	0.01	0.00	0.999996
Ba	136.905	Linear Thru Zero	0.01	0.00	0.999992
Tb	158.925	Linear Thru Zero	0.00	0.00	0.000000
Ho	164.930	Linear Thru Zero	0.00	0.00	0.000000
Hg	200.970	Linear Thru Zero	0.00	0.00	0.999979
Hg	201.971	Linear Thru Zero	0.00	0.00	0.999981
Tl	202.972	Linear Thru Zero	0.02	0.00	0.999962
Tl	204.975	Linear Thru Zero	0.05	0.00	0.999977
Pb	207.977	Linear Thru Zero	0.07	0.00	0.999985
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000
Th	232.038	Linear Thru Zero	0.06	0.00	0.997284
U	238.050	Linear Thru Zero	0.07	0.00	0.999998

Quantitative Analysis - Summary Report

Sample ID: blank

Sample Date/Time: Monday, August 15, 2022 09:58:39
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6		239996	4.37		ug/L	Standard
	Li	7		14522	0.96		ug/L	Standard
	Be	9		2	49.49		ug/L	Standard
	Al	27		54642	2.53		ug/L	Standard
	Be-1	9		2	49.49		ug/L	Standard
>	Sc	45		387257	3.55		ug/L	Standard
	V	51		10524	11.37		ug/L	Standard
	V-1	51		2637	4.39		ug/L	Standard
	Cr	52		31842	10.78		ug/L	Standard
	Cr	53		1037	1.04		ug/L	Standard
	Mn	55		6435	6.47		ug/L	Standard
	Fe	57		31806	1.77		ug/L	Standard
	Co	59		221	3.59		ug/L	Standard
	Ni	60		189	14.70		ug/L	Standard
	Ni	62		82	17.29		ug/L	Standard
	Cu	63		5105	1.41		ug/L	Standard
	Cu	65		2358	1.51		ug/L	Standard
	Zn	66		762	10.97		ug/L	Standard
	Zn	67		142	15.73		ug/L	Standard
	Zn	68		1470	8.25		ug/L	Standard
	As-2	75		300	21.12		ug/L	Standard
	As-3	75		656	3.00		ug/L	Standard
	Se-1	77		193	13.89		ug/L	Standard
	Se-1	82		8	197.65		ug/L	Standard
>	Ge	72		48971	2.39		ug/L	Standard
	As	75		300	21.12		ug/L	Standard
	As-1	75		656	3.00		ug/L	Standard
	Se	77		193	13.89		ug/L	Standard
	Se	82		8	197.65		ug/L	Standard
	Y	89		485564	2.30		ug/L	Standard
	Mo	98		29	23.34		ug/L	Standard
	Ag	107		187	74.28		ug/L	Standard
	Ag	109		155	17.98		ug/L	Standard

	Cd	111	68	8.79	ug/L	Standard
	Cd	114	68	8.08	ug/L	Standard
>	In	115	659309	1.20	ug/L	Standard
	Sb	121	1125	6.64	ug/L	Standard
	Sb	123	849	4.50	ug/L	Standard
	Ba	135	46	11.89	ug/L	Standard
	Ba	137	56	17.86	ug/L	Standard
	Tb	159	792267	1.43	ug/L	Standard
>	Ho	165	798706	1.62	ug/L	Standard
	Hg	201	11	41.70	ug/L	Standard
	Hg	202	26	25.28	ug/L	Standard
	Tl	203	17	21.21	ug/L	Standard
	Tl	205	36	18.22	ug/L	Standard
	Pb	208	1816	4.73	ug/L	Standard
	Bi	209	413360	2.25	ug/L	Standard
	Th	232	2857	2.02	ug/L	Standard
	U	238	26	22.15	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 0.2 ppb i8-142b

Sample Date/Time: Monday, August 15, 2022 10:03:15
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\0.2 ppb i8-142b.014
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 2
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	240104	2.95		ug/L	Standard
	Li	7	14522	14987	3.01		ug/L	Standard
	Be	9	2	956	1.44	0.200	ug/L	Standard
	Al	27	54642	67982	7.95	0.200	ug/L	Standard
	Be-1	9	2	956	1.44	0.200	ug/L	Standard
>	Sc	45	387257	393556	3.26		ug/L	Standard
	V	51	10524	16694	7.32	0.200	ug/L	Standard
	V-1	51	2637	8891	1.97	0.200	ug/L	Standard
	Cr	52	31842	37272	7.62	0.200	ug/L	Standard
	Cr	53	1037	1692	2.99	0.200	ug/L	Standard
	Mn	55	6435	13712	1.65	0.200	ug/L	Standard
	Fe	57	31806	34032	1.12	2.000	ug/L	Standard
	Co	59	221	6315	1.11	0.200	ug/L	Standard
	Ni	60	189	1512	2.75	0.200	ug/L	Standard
	Ni	62	82	292	0.40	0.200	ug/L	Standard
	Cu	63	5105	7955	1.02	0.200	ug/L	Standard
	Cu	65	2358	3628	2.96	0.200	ug/L	Standard
	Zn	66	762	1459	6.71	0.200	ug/L	Standard
	Zn	67	142	249	2.24	0.200	ug/L	Standard
	Zn	68	1470	2002	2.91	0.200	ug/L	Standard
	As-2	75	300	921	7.96	0.200	ug/L	Standard
	As-3	75	656	1257	1.49	0.200	ug/L	Standard
	Se-1	77	193	267	5.20	0.200	ug/L	Standard
	Se-1	82	8	83	24.94	0.200	ug/L	Standard
>	Ge	72	48971	49151	0.57		ug/L	Standard
	As	75	300	921	7.96	0.200	ug/L	Standard
	As-1	75	656	1257	1.49	0.200	ug/L	Standard
	Se	77	193	267	5.20	0.200	ug/L	Standard
	Se	82	8	83	24.94	0.200	ug/L	Standard
	Y	89	485564	490641	1.51		ug/L	Standard
	Mo	98	29	1886	3.34	0.200	ug/L	Standard
	Ag	107	187	3719	3.62	0.200	ug/L	Standard
	Ag	109	155	5025	3.51	0.200	ug/L	Standard

	Cd	111	68	1222	3.04	0.200	ug/L	Standard
	Cd	114	68	2915	2.75	0.200	ug/L	Standard
>	In	115	659309	656064	2.43		ug/L	Standard
	Sb	121	1125	3761	3.16	0.200	ug/L	Standard
	Sb	123	849	2882	1.99	0.200	ug/L	Standard
	Ba	135	46	961	1.89	0.200	ug/L	Standard
	Ba	137	56	1626	5.36	0.200	ug/L	Standard
	Tb	159	792267	793162	1.05		ug/L	Standard
>	Ho	165	798706	804487	0.85		ug/L	Standard
	Hg	201	11	83	6.98	0.040	ug/L	Standard
	Hg	202	26	185	14.24	0.040	ug/L	Standard
	Tl	203	17	3897	2.64	0.200	ug/L	Standard
	Tl	205	36	8957	2.11	0.200	ug/L	Standard
	Pb	208	1816	13640	2.46	0.200	ug/L	Standard
	Bi	209	413360	416759	2.52		ug/L	Standard
	Th	232	2857	7017	4.69	0.200	ug/L	Standard
	U	238	26	11437	0.34	0.200	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 1 ppb i8-139a

Sample Date/Time: Monday, August 15, 2022 10:07:51
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\1 ppb i8-139a.015
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 3
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	242506	3.62		ug/L	Standard
	Li	7	14522	15182	2.95		ug/L	Standard
	Be	9	2	4566	1.73	0.998	ug/L	Standard
	Al	27	54642	95956	3.31	0.975	ug/L	Standard
	Be-1	9	2	4566	1.73	0.998	ug/L	Standard
>	Sc	45	387257	392299	2.48		ug/L	Standard
	V	51	10524	39875	2.60	0.998	ug/L	Standard
	V-1	51	2637	32293	1.37	0.998	ug/L	Standard
	Cr	52	31842	56922	6.95	0.997	ug/L	Standard
	Cr	53	1037	4071	3.88	0.997	ug/L	Standard
	Mn	55	6435	42484	2.11	0.999	ug/L	Standard
	Fe	57	31806	39707	3.08	9.848	ug/L	Standard
	Co	59	221	28872	4.07	0.997	ug/L	Standard
	Ni	60	189	6635	3.18	0.999	ug/L	Standard
	Ni	62	82	1025	6.13	0.995	ug/L	Standard
	Cu	63	5105	18666	1.56	0.998	ug/L	Standard
	Cu	65	2358	8703	3.48	1.000	ug/L	Standard
	Zn	66	762	4020	3.80	0.997	ug/L	Standard
	Zn	67	142	644	4.52	0.997	ug/L	Standard
	Zn	68	1470	3816	3.36	0.995	ug/L	Standard
	As-2	75	300	3394	2.05	1.000	ug/L	Standard
	As-3	75	656	3547	2.14	0.998	ug/L	Standard
	Se-1	77	193	452	4.36	0.984	ug/L	Standard
	Se-1	82	8	395	4.73	1.001	ug/L	Standard
>	Ge	72	48971	49463	1.35		ug/L	Standard
	As	75	300	3394	2.05	0.999	ug/L	Standard
	As-1	75	656	3547	2.14	0.997	ug/L	Standard
	Se	77	193	452	4.36	0.982	ug/L	Standard
	Se	82	8	395	4.73	1.000	ug/L	Standard
	Y	89	485564	487383	1.22		ug/L	Standard
	Mo	98	29	8874	1.06	0.997	ug/L	Standard
	Ag	107	187	17299	0.14	0.998	ug/L	Standard
	Ag	109	155	23789	0.79	0.998	ug/L	Standard

	Cd	111	68	5716	0.93	0.998	ug/L	Standard
	Cd	114	68	13802	1.02	0.998	ug/L	Standard
>	In	115	659309	668717	0.61		ug/L	Standard
	Sb	121	1125	14580	4.43	1.000	ug/L	Standard
	Sb	123	849	11156	2.03	1.000	ug/L	Standard
	Ba	135	46	4306	2.49	0.996	ug/L	Standard
	Ba	137	56	7570	3.87	0.997	ug/L	Standard
	Tb	159	792267	799992	2.81		ug/L	Standard
>	Ho	165	798706	808460	2.89		ug/L	Standard
	Hg	201	11	309	5.24	0.198	ug/L	Standard
	Hg	202	26	692	3.88	0.198	ug/L	Standard
	Tl	203	17	18326	2.51	0.998	ug/L	Standard
	Tl	205	36	42723	1.39	0.998	ug/L	Standard
	Pb	208	1816	57654	0.50	0.998	ug/L	Standard
	Bi	209	413360	418387	0.71		ug/L	Standard
	Th	232	2857	19510	4.63	0.990	ug/L	Standard
	U	238	26	53563	1.49	0.997	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 5 ppb i8-140a

Sample Date/Time: Monday, August 15, 2022 10:12:26
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\5 ppb i8-140a.016
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 4
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	243946	3.88		ug/L	Standard
	Li	7	14522	15221	2.99		ug/L	Standard
	Be	9	2	22735	2.62	4.998	ug/L	Standard
	Al	27	54642	261769	4.31	4.996	ug/L	Standard
	Be-1	9	2	22735	2.62	4.996	ug/L	Standard
>	Sc	45	387257	398037	3.69		ug/L	Standard
	V	51	10524	158175	1.18	5.004	ug/L	Standard
	V-1	51	2637	152346	0.57	5.004	ug/L	Standard
	Cr	52	31842	159190	3.06	5.008	ug/L	Standard
	Cr	53	1037	15631	2.05	4.995	ug/L	Standard
	Mn	55	6435	185752	2.03	5.002	ug/L	Standard
	Fe	57	31806	67853	2.04	49.900	ug/L	Standard
	Co	59	221	141312	1.96	4.999	ug/L	Standard
	Ni	60	189	31677	2.02	4.998	ug/L	Standard
	Ni	62	82	4617	2.21	4.994	ug/L	Standard
	Cu	63	5105	72856	1.35	5.003	ug/L	Standard
	Cu	65	2358	34049	2.29	5.003	ug/L	Standard
	Zn	66	762	17362	2.38	5.006	ug/L	Standard
	Zn	67	142	2663	1.22	5.003	ug/L	Standard
	Zn	68	1470	12903	0.42	4.998	ug/L	Standard
	As-2	75	300	16164	2.49	5.008	ug/L	Standard
	As-3	75	656	15309	1.08	5.006	ug/L	Standard
	Se-1	77	193	1380	4.82	4.983	ug/L	Standard
	Se-1	82	8	1932	4.67	5.002	ug/L	Standard
>	Ge	72	48971	48826	3.53		ug/L	Standard
	As	75	300	16164	2.49	5.004	ug/L	Standard
	As-1	75	656	15309	1.08	5.002	ug/L	Standard
	Se	77	193	1380	4.82	4.979	ug/L	Standard
	Se	82	8	1932	4.67	4.998	ug/L	Standard
	Y	89	485564	492815	3.69		ug/L	Standard
	Mo	98	29	44384	0.94	4.999	ug/L	Standard
	Ag	107	187	86615	0.77	5.001	ug/L	Standard
	Ag	109	155	118073	0.69	4.998	ug/L	Standard

	Cd	111	68	28045	0.42	4.997	ug/L	Standard
	Cd	114	68	68661	0.70	4.999	ug/L	Standard
>	In	115	659309	671400	0.98		ug/L	Standard
	Sb	121	1125	70865	4.06	5.006	ug/L	Standard
	Sb	123	849	54632	5.24	5.008	ug/L	Standard
	Ba	135	46	21339	0.91	4.998	ug/L	Standard
	Ba	137	56	37199	1.18	4.996	ug/L	Standard
	Tb	159	792267	807163	0.18		ug/L	Standard
>	Ho	165	798706	807994	0.86		ug/L	Standard
	Hg	201	11	1747	2.19	1.005	ug/L	Standard
	Hg	202	26	3865	2.58	1.005	ug/L	Standard
	Tl	203	17	92044	0.50	5.001	ug/L	Standard
	Tl	205	36	217149	0.49	5.003	ug/L	Standard
	Pb	208	1816	281569	1.15	5.000	ug/L	Standard
	Bi	209	413360	419752	1.78		ug/L	Standard
	Th	232	2857	119681	14.10	5.057	ug/L	Standard
	U	238	26	268205	0.04	5.000	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 25 ppb i8-141a

Sample Date/Time: Monday, August 15, 2022 10:17:02
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a.017
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 5
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
[>	Li	6	239996	245328	1.24		ug/L	Standard
|	Li	7	14522	15474	2.84		ug/L	Standard
|	Be	9	2	115719	4.26	25.012	ug/L	Standard
L	Al	27	54642	1091149	1.55	24.998	ug/L	Standard
[	Be-1	9	2	115719	4.26	25.006	ug/L	Standard
L>	Sc	45	387257	402176	2.15		ug/L	Standard
[	V	51	10524	761330	1.19	24.985	ug/L	Standard
|	V-1	51	2637	760075	0.84	24.981	ug/L	Standard
|	Cr	52	31842	683847	1.90	24.992	ug/L	Standard
|	Cr	53	1037	77204	0.83	25.009	ug/L	Standard
|	Mn	55	6435	915723	1.77	24.982	ug/L	Standard
|	Fe	57	31806	210742	0.72	249.500	ug/L	Standard
|	Co	59	221	721256	2.23	24.990	ug/L	Standard
|	Ni	60	189	158364	0.80	24.972	ug/L	Standard
|	Ni	62	82	23031	2.53	24.979	ug/L	Standard
|	Cu	63	5105	348729	2.49	24.982	ug/L	Standard
|	Cu	65	2358	162613	2.58	24.979	ug/L	Standard
|	Zn	66	762	83808	2.25	24.969	ug/L	Standard
|	Zn	67	142	13434	3.39	25.021	ug/L	Standard
|	Zn	68	1470	59953	2.11	24.989	ug/L	Standard
|	As-2	75	300	81287	2.11	24.990	ug/L	Standard
|	As-3	75	656	75360	2.63	24.988	ug/L	Standard
|	Se-1	77	193	6363	4.64	25.003	ug/L	Standard
|	Se-1	82	8	9918	2.39	24.999	ug/L	Standard
L>	Ge	72	48971	50391	2.41		ug/L	Standard
[	As	75	300	81287	2.11	25.019	ug/L	Standard
|	As-1	75	656	75360	2.63	25.018	ug/L	Standard
|	Se	77	193	6363	4.64	25.034	ug/L	Standard
|	Se	82	8	9918	2.39	25.027	ug/L	Standard
|	Y	89	485564	497148	2.68		ug/L	Standard
|	Mo	98	29	225836	0.78	25.016	ug/L	Standard
|	Ag	107	187	433678	2.40	25.001	ug/L	Standard
|	Ag	109	155	599157	1.72	25.013	ug/L	Standard

	Cd	111	68	140743	0.33	25.003	ug/L	Standard
	Cd	114	68	344295	1.03	25.001	ug/L	Standard
>	In	115	659309	672953	2.06		ug/L	Standard
	Sb	121	1125	360995	2.65	25.031	ug/L	Standard
	Sb	123	849	280425	2.12	25.038	ug/L	Standard
	Ba	135	46	108776	1.93	25.018	ug/L	Standard
	Ba	137	56	189748	0.59	25.018	ug/L	Standard
	Tb	159	792267	823000	2.14		ug/L	Standard
>	Ho	165	798706	828377	2.57		ug/L	Standard
	Hg	201	11	8699	1.32	4.996	ug/L	Standard
	Hg	202	26	19117	1.16	4.995	ug/L	Standard
	Tl	203	17	466536	2.33	24.989	ug/L	Standard
	Tl	205	36	1099681	2.10	24.989	ug/L	Standard
	Pb	208	1816	1409717	0.63	24.982	ug/L	Standard
	Bi	209	413360	418781	0.92		ug/L	Standard
	Th	232	2857	1026526	12.20	25.430	ug/L	Standard
	U	238	26	1360492	0.70	24.990	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 50 ppb i8-142a

Sample Date/Time: Monday, August 15, 2022 10:21:37
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\50 ppb i8-142a.018
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 6
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	243478	3.32		ug/L	Standard
	Li	7	14522	15078	4.92		ug/L	Standard
	Be	9	2	231009	3.94	50.058	ug/L	Standard
	Al	27	54642	2153649	6.10	50.205	ug/L	Standard
	Be-1	9	2	231009	3.94	49.922	ug/L	Standard
>	Sc	45	387257	404840	5.93		ug/L	Standard
	V	51	10524	1507126	2.88	49.883	ug/L	Standard
	V-1	51	2637	1519961	2.45	49.932	ug/L	Standard
	Cr	52	31842	1333777	3.50	49.910	ug/L	Standard
	Cr	53	1037	152336	2.73	49.859	ug/L	Standard
	Mn	55	6435	1841552	2.67	50.013	ug/L	Standard
	Fe	57	31806	388416	0.69	498.877	ug/L	Standard
	Co	59	221	1444305	1.58	49.934	ug/L	Standard
	Ni	60	189	314995	1.16	49.861	ug/L	Standard
	Ni	62	82	46559	1.86	50.046	ug/L	Standard
	Cu	63	5105	701377	1.74	50.054	ug/L	Standard
	Cu	65	2358	324345	1.31	49.969	ug/L	Standard
	Zn	66	762	168666	0.98	50.029	ug/L	Standard
	Zn	67	142	26333	0.75	49.785	ug/L	Standard
	Zn	68	1470	117834	1.10	49.873	ug/L	Standard
	As-2	75	300	161398	1.82	49.868	ug/L	Standard
	As-3	75	656	150051	1.72	49.925	ug/L	Standard
	Se-1	77	193	12685	1.35	50.063	ug/L	Standard
	Se-1	82	8	19688	1.81	49.854	ug/L	Standard
>	Ge	72	48971	50740	0.80		ug/L	Standard
	As	75	300	161398	1.82	49.904	ug/L	Standard
	As-1	75	656	150051	1.72	49.960	ug/L	Standard
	Se	77	193	12685	1.35	50.100	ug/L	Standard
	Se	82	8	19688	1.81	49.890	ug/L	Standard
	Y	89	485564	492805	3.70		ug/L	Standard
	Mo	98	29	448824	1.48	49.891	ug/L	Standard
	Ag	107	187	871963	3.28	50.007	ug/L	Standard
	Ag	109	155	1205821	0.89	50.023	ug/L	Standard

	Cd	111	68	285807	1.17	50.110	ug/L	Standard
	Cd	114	68	693974	0.79	50.032	ug/L	Standard
>	In	115	659309	676146	1.61		ug/L	Standard
	Sb	121	1125	742742	1.90	50.269	ug/L	Standard
	Sb	123	849	572617	2.02	50.195	ug/L	Standard
	Ba	135	46	219576	0.73	50.058	ug/L	Standard
	Ba	137	56	377623	0.59	49.908	ug/L	Standard
	Tb	159	792267	824689	1.53		ug/L	Standard
>	Ho	165	798706	820942	1.32		ug/L	Standard
	Hg	201	11	17492	0.54	10.029	ug/L	Standard
	Hg	202	26	38409	0.71	10.027	ug/L	Standard
	Tl	203	17	945238	0.34	50.221	ug/L	Standard
	Tl	205	36	2217035	0.75	50.171	ug/L	Standard
	Pb	208	1816	2831691	0.99	50.134	ug/L	Standard
	Bi	209	413360	417684	1.11		ug/L	Standard
	Th	232	2857	2374030	4.97	51.680	ug/L	Standard
	U	238	26	2687018	0.88	49.956	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li					
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc					
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge					
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In					
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho					
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 30 ppb i8-143a ICV

Sample Date/Time: Monday, August 15, 2022 10:35:23
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\30 ppb i8-143a ICV.021
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 7
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	244742	3.27		ug/L	Standard
	Li	7	14522	15397	3.19		ug/L	Standard
	Be	9	2	134835	2.44	29.081	ug/L	Standard
	Al	27	54642	1290771	3.09	29.417	ug/L	Standard
	Be-1	9	2	134835	2.44	28.780	ug/L	Standard
>	Sc	45	387257	409712	3.78		ug/L	Standard
	V	51	10524	901665	2.13	30.081	ug/L	Standard
	V-1	51	2637	906465	1.63	30.126	ug/L	Standard
	Cr	52	31842	806618	3.34	30.068	ug/L	Standard
	Cr	53	1037	90791	2.23	29.953	ug/L	Standard
	Mn	55	6435	1109129	0.96	30.444	ug/L	Standard
	Fe	57	31806	248128	1.99	306.476	ug/L	Standard
	Co	59	221	867482	1.23	30.375	ug/L	Standard
	Ni	60	189	189950	1.78	30.442	ug/L	Standard
	Ni	62	82	27752	2.82	30.169	ug/L	Standard
	Cu	63	5105	427186	2.26	30.730	ug/L	Standard
	Cu	65	2358	197292	2.71	30.630	ug/L	Standard
	Zn	66	762	100544	1.91	30.108	ug/L	Standard
	Zn	67	142	15826	0.79	30.203	ug/L	Standard
	Zn	68	1470	71254	2.92	30.279	ug/L	Standard
	As-2	75	300	95614	1.23	29.885	ug/L	Standard
	As-3	75	656	89594	1.96	30.101	ug/L	Standard
	Se-1	77	193	7579	3.25	29.965	ug/L	Standard
	Se-1	82	8	11543	1.89	29.604	ug/L	Standard
>	Ge	72	48971	50122	3.58		ug/L	Standard
	As	75	300	95614	1.23	29.744	ug/L	Standard
	As-1	75	656	89594	1.96	29.960	ug/L	Standard
	Se	77	193	7579	3.25	29.835	ug/L	Standard
	Se	82	8	11543	1.89	29.463	ug/L	Standard
	Y	89	485564	493407	2.15		ug/L	Standard
	Mo	98	29	262027	1.11	29.344	ug/L	Standard
	Ag	107	187	518768	0.61	29.976	ug/L	Standard
	Ag	109	155	718583	0.89	30.031	ug/L	Standard

	Cd	111	68	169795	0.54	29.989	ug/L	Standard
	Cd	114	68	415584	0.56	30.184	ug/L	Standard
>	In	115	659309	671065	0.37		ug/L	Standard
	Sb	121	1125	431225	2.76	29.362	ug/L	Standard
	Sb	123	849	334516	2.22	29.502	ug/L	Standard
	Ba	135	46	130477	1.58	29.963	ug/L	Standard
	Ba	137	56	225160	1.33	29.977	ug/L	Standard
	Tb	159	792267	823801	1.26		ug/L	Standard
>	Ho	165	798706	835762	0.97		ug/L	Standard
	Hg	201	11	10906	0.86	6.139	ug/L	Standard
	Hg	202	26	24099	1.46	6.177	ug/L	Standard
	Tl	203	17	563324	1.51	29.395	ug/L	Standard
	Tl	205	36	1320868	1.52	29.358	ug/L	Standard
	Pb	208	1816	1724734	1.78	29.978	ug/L	Standard
	Bi	209	413360	425191	1.78		ug/L	Standard
	Th	232	2857	1243409	13.62	26.563	ug/L	Standard
	U	238	26	1634792	2.01	29.848	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		101.978			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		105.798			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.350			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		101.783			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		104.639			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: ICB

Sample Date/Time: Monday, August 15, 2022 10:39:58
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\ICB.022
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	248144	2.61		ug/L	Standard
	Li	7	14522	15314	0.70		ug/L	Standard
	Be	9	2	46	27.75	0.009	ug/L	Standard
	Al	27	54642	58294	8.72	0.045	ug/L	Standard
	Be-1	9	2	46	27.75	0.009	ug/L	Standard
>	Sc	45	387257	403080	2.66		ug/L	Standard
	V	51	10524	10730	11.82	-0.000	ug/L	Standard
	V-1	51	2637	3047	3.60	0.012	ug/L	Standard
	Cr	52	31842	32287	11.88	-0.007	ug/L	Standard
	Cr	53	1037	1109	8.39	0.017	ug/L	Standard
	Mn	55	6435	6850	2.76	0.008	ug/L	Standard
	Fe	57	31806	34481	1.98	2.965	ug/L	Standard
	Co	59	221	464	9.67	0.008	ug/L	Standard
	Ni	60	189	343	6.56	0.024	ug/L	Standard
	Ni	62	82	109	10.58	0.028	ug/L	Standard
	Cu	63	5105	5474	1.84	0.020	ug/L	Standard
	Cu	65	2358	2560	3.48	0.025	ug/L	Standard
	Zn	66	762	839	13.51	0.018	ug/L	Standard
	Zn	67	142	145	18.16	-0.000	ug/L	Standard
	Zn	68	1470	1607	6.38	0.047	ug/L	Standard
	As-2	75	300	356	7.52	0.016	ug/L	Standard
	As-3	75	656	700	8.24	0.011	ug/L	Standard
	Se-1	77	193	209	4.25	0.049	ug/L	Standard
	Se-1	82	8	28	44.28	0.052	ug/L	Standard
>	Ge	72	48971	49899	2.34		ug/L	Standard
	As	75	300	356	7.52	0.016	ug/L	Standard
	As-1	75	656	700	8.24	0.010	ug/L	Standard
	Se	77	193	209	4.25	0.048	ug/L	Standard
	Se	82	8	28	44.28	0.050	ug/L	Standard
	Y	89	485564	489696	1.08		ug/L	Standard
	Mo	98	29	764	20.52	0.082	ug/L	Standard
	Ag	107	187	1301	27.23	0.064	ug/L	Standard
	Ag	109	155	1776	27.52	0.067	ug/L	Standard

	Cd	111	68	108	15.42	0.007	ug/L	Standard
	Cd	114	68	175	13.40	0.008	ug/L	Standard
>	In	115	659309	672570	1.92		ug/L	Standard
	Sb	121	1125	13177	17.05	0.820	ug/L	Standard
	Sb	123	849	10090	15.13	0.814	ug/L	Standard
	Ba	135	46	112	14.82	0.015	ug/L	Standard
	Ba	137	56	218	15.29	0.021	ug/L	Standard
	Tb	159	792267	826743	1.41		ug/L	Standard
>	Ho	165	798706	833786	0.18		ug/L	Standard
	Hg	201	11	127	21.68	0.065	ug/L	Standard
	Hg	202	26	284	19.66	0.066	ug/L	Standard
	Tl	203	17	994	31.96	0.051	ug/L	Standard
	Tl	205	36	2281	32.10	0.050	ug/L	Standard
	Pb	208	1816	4025	6.95	0.037	ug/L	Standard
	Bi	209	413360	429505	1.20		ug/L	Standard
	Th	232	2857	118491	22.79	2.477	ug/L	Standard
	U	238	26	1161	28.08	0.021	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		103.395			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.086			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		101.894			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.011			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		104.392			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: ICB rr

Sample Date/Time: Monday, August 15, 2022 10:44:34
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\ICB rr.023
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	249598	2.96		ug/L	Standard
	Li	7	14522	15680	1.86		ug/L	Standard
	Be	9	2	19	36.46	0.003	ug/L	Standard
	Al	27	54642	63229	9.34	0.151	ug/L	Standard
	Be-1	9	2	19	36.46	0.004	ug/L	Standard
>	Sc	45	387257	401437	3.13		ug/L	Standard
	V	51	10524	10641	9.30	-0.005	ug/L	Standard
	V-1	51	2637	2890	2.76	0.006	ug/L	Standard
	Cr	52	31842	31977	10.22	-0.025	ug/L	Standard
	Cr	53	1037	1101	5.05	0.013	ug/L	Standard
	Mn	55	6435	6661	4.77	0.002	ug/L	Standard
	Fe	57	31806	33982	1.68	2.009	ug/L	Standard
	Co	59	221	328	0.81	0.004	ug/L	Standard
	Ni	60	189	319	6.57	0.020	ug/L	Standard
	Ni	62	82	102	9.55	0.019	ug/L	Standard
	Cu	63	5105	5456	0.87	0.017	ug/L	Standard
	Cu	65	2358	2494	0.87	0.013	ug/L	Standard
	Zn	66	762	843	14.74	0.019	ug/L	Standard
	Zn	67	142	139	11.58	-0.012	ug/L	Standard
	Zn	68	1470	1572	1.39	0.029	ug/L	Standard
	As-2	75	300	315	15.26	0.003	ug/L	Standard
	As-3	75	656	684	4.88	0.004	ug/L	Standard
	Se-1	77	193	217	3.93	0.076	ug/L	Standard
	Se-1	82	8	30	45.08	0.054	ug/L	Standard
>	Ge	72	48971	50153	1.08		ug/L	Standard
	As	75	300	315	15.26	0.003	ug/L	Standard
	As-1	75	656	684	4.88	0.004	ug/L	Standard
	Se	77	193	217	3.93	0.075	ug/L	Standard
	Se	82	8	30	45.08	0.054	ug/L	Standard
	Y	89	485564	498058	3.53		ug/L	Standard
	Mo	98	29	275	8.01	0.027	ug/L	Standard
	Ag	107	187	432	13.31	0.014	ug/L	Standard
	Ag	109	155	622	8.68	0.019	ug/L	Standard

	Cd	111	68	77	9.51	0.001	ug/L	Standard
	Cd	114	68	115	4.06	0.003	ug/L	Standard
>	In	115	659309	675734	2.01		ug/L	Standard
	Sb	121	1125	4507	7.81	0.227	ug/L	Standard
	Sb	123	849	3488	6.62	0.230	ug/L	Standard
	Ba	135	46	59	17.05	0.003	ug/L	Standard
	Ba	137	56	98	1.54	0.005	ug/L	Standard
	Tb	159	792267	821705	1.29		ug/L	Standard
>	Ho	165	798706	833123	1.73		ug/L	Standard
	Hg	201	11	65	1.54	0.030	ug/L	Standard
	Hg	202	26	152	15.42	0.032	ug/L	Standard
	Tl	203	17	269	8.17	0.013	ug/L	Standard
	Tl	205	36	640	6.56	0.013	ug/L	Standard
	Pb	208	1816	2514	3.05	0.011	ug/L	Standard
	Bi	209	413360	430237	1.79		ug/L	Standard
	Th	232	2857	39218	6.77	0.778	ug/L	Standard
	U	238	26	344	15.33	0.006	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel % Difference
>	6	Li		104.001			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		103.662			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.412			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.491			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		104.309			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 0.2 ppb i8-142b LLICV

Sample Date/Time: Monday, August 15, 2022 10:49:09
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\0.2 ppb i8-142b LLICV.024
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 2
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	252560	3.12		ug/L	Standard
	Li	7	14522	15757	1.50		ug/L	Standard
	Be	9	2	992	1.28	0.207	ug/L	Standard
	Al	27	54642	68943	4.07	0.264	ug/L	Standard
	Be-1	9	2	992	1.28	0.214	ug/L	Standard
>	Sc	45	387257	404352	2.30		ug/L	Standard
	V	51	10524	16979	5.83	0.212	ug/L	Standard
	V-1	51	2637	9329	0.85	0.223	ug/L	Standard
	Cr	52	31842	37372	9.01	0.192	ug/L	Standard
	Cr	53	1037	1722	4.06	0.223	ug/L	Standard
	Mn	55	6435	14588	3.61	0.223	ug/L	Standard
	Fe	57	31806	36148	1.51	5.397	ug/L	Standard
	Co	59	221	6397	1.03	0.217	ug/L	Standard
	Ni	60	189	1636	1.77	0.233	ug/L	Standard
	Ni	62	82	291	4.88	0.228	ug/L	Standard
	Cu	63	5105	8333	2.45	0.230	ug/L	Standard
	Cu	65	2358	3874	2.43	0.233	ug/L	Standard
	Zn	66	762	1481	3.87	0.214	ug/L	Standard
	Zn	67	142	243	6.57	0.190	ug/L	Standard
	Zn	68	1470	2074	5.73	0.252	ug/L	Standard
	As-2	75	300	1025	7.10	0.227	ug/L	Standard
	As-3	75	656	1322	3.75	0.223	ug/L	Standard
	Se-1	77	193	257	4.31	0.245	ug/L	Standard
	Se-1	82	8	108	6.47	0.258	ug/L	Standard
>	Ge	72	48971	49849	2.07		ug/L	Standard
	As	75	300	1025	7.10	0.222	ug/L	Standard
	As-1	75	656	1322	3.75	0.217	ug/L	Standard
	Se	77	193	257	4.31	0.233	ug/L	Standard
	Se	82	8	108	6.47	0.253	ug/L	Standard
	Y	89	485564	497628	1.94		ug/L	Standard
	Mo	98	29	2105	3.62	0.231	ug/L	Standard
	Ag	107	187	3867	1.82	0.211	ug/L	Standard
	Ag	109	155	5412	1.46	0.218	ug/L	Standard

	Cd	111	68	1259	0.39	0.208	ug/L	Standard
	Cd	114	68	3092	1.34	0.218	ug/L	Standard
>	In	115	659309	676605	0.59		ug/L	Standard
	Sb	121	1125	5849	3.76	0.318	ug/L	Standard
	Sb	123	849	4572	4.20	0.325	ug/L	Standard
	Ba	135	46	955	6.87	0.207	ug/L	Standard
	Ba	137	56	1679	0.82	0.214	ug/L	Standard
	Tb	159	792267	832157	1.21		ug/L	Standard
>	Ho	165	798706	837924	3.12		ug/L	Standard
	Hg	201	11	120	8.20	0.061	ug/L	Standard
	Hg	202	26	278	2.81	0.064	ug/L	Standard
	Tl	203	17	4178	2.19	0.217	ug/L	Standard
	Tl	205	36	9860	1.01	0.218	ug/L	Standard
	Pb	208	1816	14275	1.48	0.215	ug/L	Standard
	Bi	209	413360	430859	2.69		ug/L	Standard
	Th	232	2857	29302	4.52	0.562	ug/L	Standard
	U	238	26	11731	2.78	0.213	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		105.235			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		104.414			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		101.792			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		102.623			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		104.910			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 1 ppb i8-139a LLICV

Sample Date/Time: Monday, August 15, 2022 10:53:45
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\1 ppb i8-139a LLICV.025
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 3
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	250450	2.41		ug/L	Standard
	Li	7	14522	15709	5.06		ug/L	Standard
	Be	9	2	4779	3.74	1.006	ug/L	Standard
	Al	27	54642	103083	1.97	1.072	ug/L	Standard
	Be-1	9	2	4779	3.74	1.018	ug/L	Standard
>	Sc	45	387257	409931	1.53		ug/L	Standard
	V	51	10524	40936	2.81	1.020	ug/L	Standard
	V-1	51	2637	33409	1.11	1.025	ug/L	Standard
	Cr	52	31842	58193	5.83	0.997	ug/L	Standard
	Cr	53	1037	4152	2.53	1.033	ug/L	Standard
	Mn	55	6435	43809	1.00	1.029	ug/L	Standard
	Fe	57	31806	42102	1.39	13.655	ug/L	Standard
	Co	59	221	29999	1.55	1.044	ug/L	Standard
	Ni	60	189	6709	2.67	1.046	ug/L	Standard
	Ni	62	82	1021	3.88	1.023	ug/L	Standard
	Cu	63	5105	19324	2.03	1.028	ug/L	Standard
	Cu	65	2358	8931	1.67	1.026	ug/L	Standard
	Zn	66	762	4126	1.62	1.011	ug/L	Standard
	Zn	67	142	671	1.44	1.014	ug/L	Standard
	Zn	68	1470	3897	0.11	1.041	ug/L	Standard
	As-2	75	300	3493	1.29	1.000	ug/L	Standard
	As-3	75	656	3696	3.23	1.025	ug/L	Standard
	Se-1	77	193	474	1.56	1.122	ug/L	Standard
	Se-1	82	8	395	5.46	0.992	ug/L	Standard
>	Ge	72	48971	50052	0.79		ug/L	Standard
	As	75	300	3493	1.29	0.976	ug/L	Standard
	As-1	75	656	3696	3.23	0.999	ug/L	Standard
	Se	77	193	474	1.56	1.087	ug/L	Standard
	Se	82	8	395	5.46	0.970	ug/L	Standard
	Y	89	485564	500235	3.73		ug/L	Standard
	Mo	98	29	9239	1.55	1.014	ug/L	Standard
	Ag	107	187	17631	1.47	0.991	ug/L	Standard
	Ag	109	155	24414	1.27	0.997	ug/L	Standard

	Cd	111	68	5812	2.35	0.997	ug/L	Standard
	Cd	114	68	14114	1.72	1.003	ug/L	Standard
>	In	115	659309	682685	2.23		ug/L	Standard
	Sb	121	1125	16319	4.54	1.018	ug/L	Standard
	Sb	123	849	12645	5.19	1.023	ug/L	Standard
	Ba	135	46	4490	0.88	1.003	ug/L	Standard
	Ba	137	56	7656	1.27	0.995	ug/L	Standard
	Tb	159	792267	835829	0.90		ug/L	Standard
>	Ho	165	798706	841738	0.73		ug/L	Standard
	Hg	201	11	337	4.66	0.182	ug/L	Standard
	Hg	202	26	757	5.23	0.186	ug/L	Standard
	Tl	203	17	19373	0.58	1.003	ug/L	Standard
	Tl	205	36	44766	0.80	0.987	ug/L	Standard
	Pb	208	1816	60574	1.74	1.014	ug/L	Standard
	Bi	209	413360	437418	2.11		ug/L	Standard
	Th	232	2857	38133	1.78	0.746	ug/L	Standard
	U	238	26	55194	1.01	1.000	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		104.356			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		105.855			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		102.207			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		103.545			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		105.388			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 5 ppb i8-140a LLICV

Sample Date/Time: Monday, August 15, 2022 10:58:20
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\5 ppb i8-140a LLICV.026
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File:
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 4
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
⌈>	Li	6	239996	253474	3.18		ug/L	Standard
|	Li	7	14522	15824	2.64		ug/L	Standard
|	Be	9	2	23437	3.82	4.878	ug/L	Standard
L	Al	27	54642	264013	3.90	4.744	ug/L	Standard
⌈	Be-1	9	2	23437	3.82	5.030	ug/L	Standard
L>	Sc	45	387257	407259	3.38		ug/L	Standard
⌈	V	51	10524	161393	1.56	5.018	ug/L	Standard
|	V-1	51	2637	154943	1.44	5.010	ug/L	Standard
|	Cr	52	31842	163935	2.46	5.024	ug/L	Standard
|	Cr	53	1037	16309	1.67	5.022	ug/L	Standard
|	Mn	55	6435	190450	2.70	5.010	ug/L	Standard
|	Fe	57	31806	70212	2.41	52.284	ug/L	Standard
|	Co	59	221	146729	2.35	5.066	ug/L	Standard
|	Ni	60	189	32599	1.25	5.133	ug/L	Standard
|	Ni	62	82	4784	2.19	5.061	ug/L	Standard
|	Cu	63	5105	75240	1.99	5.030	ug/L	Standard
|	Cu	65	2358	34899	0.20	5.039	ug/L	Standard
|	Zn	66	762	17571	1.28	5.001	ug/L	Standard
|	Zn	67	142	2798	0.85	5.040	ug/L	Standard
|	Zn	68	1470	13223	2.84	5.017	ug/L	Standard
|	As-2	75	300	16352	4.63	4.965	ug/L	Standard
|	As-3	75	656	15726	3.00	5.028	ug/L	Standard
|	Se-1	77	193	1486	7.16	5.154	ug/L	Standard
|	Se-1	82	8	1900	7.61	4.789	ug/L	Standard
L>	Ge	72	48971	50738	1.17		ug/L	Standard
⌈	As	75	300	16352	4.63	4.922	ug/L	Standard
|	As-1	75	656	15726	3.00	4.984	ug/L	Standard
|	Se	77	193	1486	7.16	5.111	ug/L	Standard
|	Se	82	8	1900	7.61	4.749	ug/L	Standard
|	Y	89	485564	501978	2.75		ug/L	Standard
|	Mo	98	29	45423	0.27	4.998	ug/L	Standard
|	Ag	107	187	88542	1.13	5.020	ug/L	Standard
|	Ag	109	155	120843	0.09	4.959	ug/L	Standard

	Cd	111	68	28448	1.13	4.929	ug/L	Standard
	Cd	114	68	69566	1.15	4.962	ug/L	Standard
>	In	115	659309	682693	1.01		ug/L	Standard
	Sb	121	1125	73079	5.38	4.825	ug/L	Standard
	Sb	123	849	56603	5.15	4.843	ug/L	Standard
	Ba	135	46	21718	0.35	4.894	ug/L	Standard
	Ba	137	56	37926	0.13	4.957	ug/L	Standard
	Tb	159	792267	841200	0.92		ug/L	Standard
>	Ho	165	798706	848571	1.54		ug/L	Standard
	Hg	201	11	1864	2.49	1.028	ug/L	Standard
	Hg	202	26	4097	1.72	1.029	ug/L	Standard
	Tl	203	17	95961	0.77	4.932	ug/L	Standard
	Tl	205	36	225059	0.99	4.926	ug/L	Standard
	Pb	208	1816	291565	0.95	4.964	ug/L	Standard
	Bi	209	413360	436942	2.71		ug/L	Standard
	Th	232	2857	146089	11.95	3.019	ug/L	Standard
	U	238	26	275800	1.30	4.960	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		105.616			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		105.165			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		103.607			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		103.547			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		106.243			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
CCVs

Quantitative Analysis - Summary Report

Sample ID: 25 ppb i8-141a CCV (1)

Sample Date/Time: Monday, August 15, 2022 12:35:18
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (1).046
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 5
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	269870	2.62		ug/L	Standard
	Li	7	14522	16945	1.71		ug/L	Standard
	Be	9	2	125528	2.38	24.545	ug/L	Standard
	Al	27	54642	1268336	5.04	26.058	ug/L	Standard
	Be-1	9	2	125528	2.38	25.290	ug/L	Standard
>	Sc	45	387257	434080	3.80		ug/L	Standard
	V	51	10524	811385	2.15	25.170	ug/L	Standard
	V-1	51	2637	815298	2.10	25.237	ug/L	Standard
	Cr	52	31842	733081	3.08	25.282	ug/L	Standard
	Cr	53	1037	83304	3.58	25.560	ug/L	Standard
	Mn	55	6435	1000398	2.49	25.555	ug/L	Standard
	Fe	57	31806	234799	3.01	264.740	ug/L	Standard
	Co	59	221	773830	1.00	25.245	ug/L	Standard
	Ni	60	189	169772	2.05	25.346	ug/L	Standard
	Ni	62	82	24421	2.58	24.726	ug/L	Standard
	Cu	63	5105	367532	1.25	24.563	ug/L	Standard
	Cu	65	2358	170982	0.79	24.670	ug/L	Standard
	Zn	66	762	89848	0.41	25.033	ug/L	Standard
	Zn	67	142	14427	1.02	25.605	ug/L	Standard
	Zn	68	1470	63459	0.95	25.025	ug/L	Standard
	As-2	75	300	85837	0.97	24.981	ug/L	Standard
	As-3	75	656	80636	1.38	25.205	ug/L	Standard
	Se-1	77	193	7020	0.13	25.763	ug/L	Standard
	Se-1	82	8	10408	0.75	24.864	ug/L	Standard
>	Ge	72	48971	53766	1.45		ug/L	Standard
	As	75	300	85837	0.97	24.896	ug/L	Standard
	As-1	75	656	80636	1.38	25.118	ug/L	Standard
	Se	77	193	7020	0.13	25.673	ug/L	Standard
	Se	82	8	10408	0.75	24.781	ug/L	Standard
	Y	89	485564	523950	2.37		ug/L	Standard
	Mo	98	29	233011	1.21	24.342	ug/L	Standard
	Ag	107	187	482664	2.35	26.015	ug/L	Standard
	Ag	109	155	639055	0.67	24.914	ug/L	Standard

	Cd	111	68	150369	0.84	24.773	ug/L	Standard
	Cd	114	68	368690	1.19	24.980	ug/L	Standard
>	In	115	659309	719341	0.89		ug/L	Standard
	Sb	121	1125	385691	3.10	24.493	ug/L	Standard
	Sb	123	849	297037	2.76	24.431	ug/L	Standard
	Ba	135	46	117927	0.56	25.262	ug/L	Standard
	Ba	137	56	201808	0.59	25.065	ug/L	Standard
	Tb	159	792267	900163	0.64		ug/L	Standard
>	Ho	165	798706	915027	0.15		ug/L	Standard
	Hg	201	11	9443	1.11	4.853	ug/L	Standard
	Hg	202	26	20658	1.07	4.834	ug/L	Standard
	Tl	203	17	520032	0.34	24.786	ug/L	Standard
	Tl	205	36	1227727	0.74	24.924	ug/L	Standard
	Pb	208	1816	1572667	0.75	24.962	ug/L	Standard
	Bi	209	413360	468014	0.70		ug/L	Standard
	Th	232	2857	1223150	2.35	23.841	ug/L	Standard
	U	238	26	1470020	0.64	24.516	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		112.448			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		112.091			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		109.792			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		109.105			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		114.564			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: CCB (1)

Sample Date/Time: Monday, August 15, 2022 12:39:54
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (1).047
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	272550	0.18		ug/L	Standard
	Li	7	14522	17301	2.01		ug/L	Standard
	Be	9	2	32	38.67	0.006	ug/L	Standard
	Al	27	54642	105504	4.06	0.929	ug/L	Standard
	Be-1	9	2	32	38.67	0.006	ug/L	Standard
>	Sc	45	387257	429365	1.15		ug/L	Standard
	V	51	10524	11156	9.73	-0.011	ug/L	Standard
	V-1	51	2637	4828	6.15	0.061	ug/L	Standard
	Cr	52	31842	32909	9.82	-0.068	ug/L	Standard
	Cr	53	1037	1657	2.18	0.165	ug/L	Standard
	Mn	55	6435	8239	1.49	0.032	ug/L	Standard
	Fe	57	31806	39587	2.01	6.522	ug/L	Standard
	Co	59	221	450	12.80	0.007	ug/L	Standard
	Ni	60	189	285	4.87	0.012	ug/L	Standard
	Ni	62	82	111	21.39	0.021	ug/L	Standard
	Cu	63	5105	5769	1.58	0.014	ug/L	Standard
	Cu	65	2358	2639	3.95	0.010	ug/L	Standard
	Zn	66	762	862	2.96	0.009	ug/L	Standard
	Zn	67	142	152	11.01	-0.005	ug/L	Standard
	Zn	68	1470	1615	2.77	0.005	ug/L	Standard
	As-2	75	300	262	22.43	-0.019	ug/L	Standard
	As-3	75	656	810	2.54	0.030	ug/L	Standard
	Se-1	77	193	283	1.87	0.275	ug/L	Standard
	Se-1	82	8	22	72.47	0.030	ug/L	Standard
>	Ge	72	48971	53439	3.18		ug/L	Standard
	As	75	300	262	22.43	-0.019	ug/L	Standard
	As-1	75	656	810	2.54	0.030	ug/L	Standard
	Se	77	193	283	1.87	0.272	ug/L	Standard
	Se	82	8	22	72.47	0.030	ug/L	Standard
	Y	89	485564	537402	3.16		ug/L	Standard
	Mo	98	29	738	13.98	0.074	ug/L	Standard
	Ag	107	187	1513	24.28	0.070	ug/L	Standard
	Ag	109	155	1910	22.76	0.068	ug/L	Standard

	Cd	111	68	111	4.10	0.006	ug/L	Standard
	Cd	114	68	304	5.89	0.016	ug/L	Standard
>	In	115	659309	719205	0.95		ug/L	Standard
	Sb	121	1125	12812	13.32	0.738	ug/L	Standard
	Sb	123	849	10060	14.78	0.753	ug/L	Standard
	Ba	135	46	155	12.61	0.022	ug/L	Standard
	Ba	137	56	267	10.71	0.026	ug/L	Standard
	Tb	159	792267	900846	1.87		ug/L	Standard
>	Ho	165	798706	919679	2.02		ug/L	Standard
	Hg	201	11	116	18.48	0.053	ug/L	Standard
	Hg	202	26	269	4.73	0.056	ug/L	Standard
	Tl	203	17	970	36.91	0.045	ug/L	Standard
	Tl	205	36	2331	30.53	0.046	ug/L	Standard
	Pb	208	1816	4501	3.90	0.038	ug/L	Standard
	Bi	209	413360	471212	2.18		ug/L	Standard
	Th	232	2857	51463	28.54	0.933	ug/L	Standard
	U	238	26	663	24.42	0.010	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		113.564			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		110.873			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		109.124			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		109.085			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		115.146			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 25 ppb i8-141a CCV (3)

Sample Date/Time: Monday, August 15, 2022 14:23:34
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (3).069
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 5
Sample Type: Sample

Intensities

Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
Li	6	239996	291488	1.53		ug/L	Standard
Li	7	14522	18199	2.68		ug/L	Standard
Be	9	2	137447	3.05	24.877	ug/L	Standard
Al	27	54642	1297101	2.83	24.608	ug/L	Standard
Be-1	9	2	137447	3.05	26.090	ug/L	Standard
Sc	45	387257	460629	3.28		ug/L	Standard
V	51	10524	852269	2.87	25.290	ug/L	Standard
V-1	51	2637	853680	2.68	25.276	ug/L	Standard
Cr	52	31842	769319	2.23	25.386	ug/L	Standard
Cr	53	1037	87208	2.58	25.601	ug/L	Standard
Mn	55	6435	1045528	3.20	25.549	ug/L	Standard
Fe	57	31806	246044	2.79	265.503	ug/L	Standard
Co	59	221	811089	0.42	25.316	ug/L	Standard
Ni	60	189	178204	0.54	25.456	ug/L	Standard
Ni	62	82	25575	0.90	24.776	ug/L	Standard
Cu	63	5105	388327	1.50	24.833	ug/L	Standard
Cu	65	2358	180773	2.16	24.959	ug/L	Standard
Zn	66	762	94457	1.57	25.179	ug/L	Standard
Zn	67	142	15007	2.76	25.480	ug/L	Standard
Zn	68	1470	67089	2.49	25.317	ug/L	Standard
As-2	75	300	88760	1.86	24.712	ug/L	Standard
As-3	75	656	84451	2.11	25.256	ug/L	Standard
Se-1	77	193	7330	1.58	25.731	ug/L	Standard
Se-1	82	8	10792	0.65	24.666	ug/L	Standard
Ge	72	48971	56195	0.96		ug/L	Standard
As	75	300	88760	1.86	25.424	ug/L	Standard
As-1	75	656	84451	2.11	25.987	ug/L	Standard
Se	77	193	7330	1.58	26.491	ug/L	Standard
Se	82	8	10792	0.65	25.370	ug/L	Standard
Y	89	485564	549399	2.83		ug/L	Standard
Mo	98	29	238636	2.92	24.610	ug/L	Standard
Ag	107	187	503819	3.95	26.806	ug/L	Standard
Ag	109	155	639316	2.06	24.606	ug/L	Standard

	Cd	111	68	148515	2.29	24.156	ug/L	Standard
	Cd	114	68	365581	1.17	24.456	ug/L	Standard
>	In	115	659309	728604	1.62		ug/L	Standard
	Sb	121	1125	385329	3.46	24.164	ug/L	Standard
	Sb	123	849	296440	3.77	24.078	ug/L	Standard
	Ba	135	46	117428	0.93	24.839	ug/L	Standard
	Ba	137	56	200443	0.33	24.582	ug/L	Standard
	Tb	159	792267	926189	1.37		ug/L	Standard
>	Ho	165	798706	950812	1.09		ug/L	Standard
	Hg	201	11	9836	1.22	4.866	ug/L	Standard
	Hg	202	26	21494	1.24	4.841	ug/L	Standard
	Tl	203	17	543044	1.08	24.912	ug/L	Standard
	Tl	205	36	1271233	0.88	24.836	ug/L	Standard
	Pb	208	1816	1628195	0.78	24.874	ug/L	Standard
	Bi	209	413360	484656	0.72		ug/L	Standard
	Th	232	2857	1157052	8.13	21.713	ug/L	Standard
	U	238	26	1542807	0.56	24.763	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		121.455			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		118.946			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		114.752			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		110.510			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		119.044			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: CCB (3)

Sample Date/Time: Monday, August 15, 2022 14:28:10
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (3).070
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	290735	0.68		ug/L	Standard
	Li	7	14522	18182	2.75		ug/L	Standard
	Be	9	2	34	10.43	0.006	ug/L	Standard
	Al	27	54642	87231	0.74	0.422	ug/L	Standard
	Be-1	9	2	34	10.43	0.006	ug/L	Standard
>	Sc	45	387257	457742	2.18		ug/L	Standard
	V	51	10524	11059	10.86	-0.030	ug/L	Standard
	V-1	51	2637	4489	2.98	0.044	ug/L	Standard
	Cr	52	31842	33140	12.57	-0.114	ug/L	Standard
	Cr	53	1037	1615	3.10	0.129	ug/L	Standard
	Mn	55	6435	7557	2.92	0.005	ug/L	Standard
	Fe	57	31806	41217	3.08	6.231	ug/L	Standard
	Co	59	221	421	13.31	0.005	ug/L	Standard
	Ni	60	189	295	1.96	0.011	ug/L	Standard
	Ni	62	82	103	9.85	0.009	ug/L	Standard
	Cu	63	5105	5918	5.26	0.006	ug/L	Standard
	Cu	65	2358	2778	5.18	0.012	ug/L	Standard
	Zn	66	762	785	8.47	-0.023	ug/L	Standard
	Zn	67	142	129	21.43	-0.058	ug/L	Standard
	Zn	68	1470	1705	5.34	0.010	ug/L	Standard
	As-2	75	300	283	36.34	-0.016	ug/L	Standard
	As-3	75	656	801	1.51	0.016	ug/L	Standard
	Se-1	77	193	278	11.46	0.205	ug/L	Standard
	Se-1	82	8	40	41.18	0.070	ug/L	Standard
>	Ge	72	48971	55942	3.35		ug/L	Standard
	As	75	300	283	36.34	-0.013	ug/L	Standard
	As-1	75	656	801	1.51	0.025	ug/L	Standard
	Se	77	193	278	11.46	0.243	ug/L	Standard
	Se	82	8	40	41.18	0.073	ug/L	Standard
	Y	89	485564	552223	0.51		ug/L	Standard
	Mo	98	29	726	10.42	0.072	ug/L	Standard
	Ag	107	187	1414	27.34	0.064	ug/L	Standard
	Ag	109	155	1811	23.44	0.063	ug/L	Standard

	Cd	111	68	101	7.21	0.004	ug/L	Standard
	Cd	114	68	156	7.72	0.005	ug/L	Standard
>	In	115	659309	725255	1.56		ug/L	Standard
	Sb	121	1125	11966	15.73	0.677	ug/L	Standard
	Sb	123	849	9238	15.60	0.679	ug/L	Standard
	Ba	135	46	126	7.52	0.016	ug/L	Standard
	Ba	137	56	236	11.24	0.021	ug/L	Standard
	Tb	159	792267	920057	1.04		ug/L	Standard
>	Ho	165	798706	951089	1.31		ug/L	Standard
	Hg	201	11	144	21.34	0.064	ug/L	Standard
	Hg	202	26	301	19.12	0.061	ug/L	Standard
	Tl	203	17	1053	33.61	0.047	ug/L	Standard
	Tl	205	36	2437	31.72	0.047	ug/L	Standard
	Pb	208	1816	4744	7.57	0.039	ug/L	Standard
	Bi	209	413360	487662	2.09		ug/L	Standard
	Th	232	2857	75786	26.43	1.358	ug/L	Standard
	U	238	26	795	25.63	0.012	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		121.142			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		118.201			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		114.234			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		110.002			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		119.079			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 25 ppb i8-141a CCV (4)

Sample Date/Time: Monday, August 15, 2022 15:37:36
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\25 ppb i8-141a CCV (4).084
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 5
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	292322	2.42		ug/L	Standard
	Li	7	14522	18285	1.61		ug/L	Standard
	Be	9	2	143651	2.37	25.932	ug/L	Standard
	Al	27	54642	1292504	2.34	24.446	ug/L	Standard
	Be-1	9	2	143651	2.37	25.888	ug/L	Standard
>	Sc	45	387257	485281	3.69		ug/L	Standard
	V	51	10524	861925	2.46	24.615	ug/L	Standard
	V-1	51	2637	869473	2.11	24.783	ug/L	Standard
	Cr	52	31842	780606	2.85	24.768	ug/L	Standard
	Cr	53	1037	87388	2.45	24.683	ug/L	Standard
	Mn	55	6435	1084389	1.46	25.513	ug/L	Standard
	Fe	57	31806	254375	2.93	264.102	ug/L	Standard
	Co	59	221	828332	1.81	24.890	ug/L	Standard
	Ni	60	189	181458	2.17	24.959	ug/L	Standard
	Ni	62	82	25827	1.92	24.087	ug/L	Standard
	Cu	63	5105	393416	1.66	24.216	ug/L	Standard
	Cu	65	2358	183302	1.16	24.360	ug/L	Standard
	Zn	66	762	95715	0.31	24.561	ug/L	Standard
	Zn	67	142	15230	0.05	24.892	ug/L	Standard
	Zn	68	1470	68201	0.87	24.766	ug/L	Standard
	As-2	75	300	89409	0.48	23.966	ug/L	Standard
	As-3	75	656	87661	0.49	25.242	ug/L	Standard
	Se-1	77	193	7847	0.97	26.551	ug/L	Standard
	Se-1	82	8	10384	1.94	22.843	ug/L	Standard
>	Ge	72	48971	58374	1.65		ug/L	Standard
	As	75	300	89409	0.48	26.751	ug/L	Standard
	As-1	75	656	87661	0.49	28.188	ug/L	Standard
	Se	77	193	7847	0.97	29.717	ug/L	Standard
	Se	82	8	10384	1.94	25.490	ug/L	Standard
	Y	89	485564	517384	2.90		ug/L	Standard
	Mo	98	29	232225	2.28	25.015	ug/L	Standard
	Ag	107	187	515193	3.04	28.631	ug/L	Standard
	Ag	109	155	618865	2.02	24.876	ug/L	Standard

	Cd	111	68	141414	1.54	24.023	ug/L	Standard
	Cd	114	68	346615	1.02	24.217	ug/L	Standard
>	In	115	659309	697634	1.69		ug/L	Standard
	Sb	121	1125	373648	3.72	24.474	ug/L	Standard
	Sb	123	849	288162	3.25	24.445	ug/L	Standard
	Ba	135	46	113210	1.48	25.008	ug/L	Standard
	Ba	137	56	193816	1.31	24.822	ug/L	Standard
	Tb	159	792267	908523	1.17		ug/L	Standard
>	Ho	165	798706	946058	0.42		ug/L	Standard
	Hg	201	11	9764	0.75	4.854	ug/L	Standard
	Hg	202	26	21450	0.12	4.855	ug/L	Standard
	Tl	203	17	545049	1.33	25.127	ug/L	Standard
	Tl	205	36	1281269	1.32	25.159	ug/L	Standard
	Pb	208	1816	1654363	1.88	25.399	ug/L	Standard
	Bi	209	413360	492578	2.12		ug/L	Standard
	Th	232	2857	1217479	5.74	22.952	ug/L	Standard
	U	238	26	1593694	1.75	25.707	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel % Difference
>	6	Li		121.803			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		125.312			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		119.202			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		105.813			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		118.449			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: CCB (4)

Sample Date/Time: Monday, August 15, 2022 15:42:11
Sample Description:
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\CCB (4).085
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 1
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	286509	1.34		ug/L	Standard
	Li	7	14522	18091	0.94		ug/L	Standard
	Be	9	2	37	27.03	0.006	ug/L	Standard
	Al	27	54642	83077	1.99	0.363	ug/L	Standard
	Be-1	9	2	37	27.03	0.006	ug/L	Standard
>	Sc	45	387257	474772	1.71		ug/L	Standard
	V	51	10524	11315	11.27	-0.029	ug/L	Standard
	V-1	51	2637	5291	0.24	0.064	ug/L	Standard
	Cr	52	31842	33082	11.92	-0.142	ug/L	Standard
	Cr	53	1037	1850	6.15	0.186	ug/L	Standard
	Mn	55	6435	8028	4.83	0.012	ug/L	Standard
	Fe	57	31806	41125	4.99	4.909	ug/L	Standard
	Co	59	221	431	5.76	0.005	ug/L	Standard
	Ni	60	189	313	19.19	0.013	ug/L	Standard
	Ni	62	82	116	7.80	0.020	ug/L	Standard
	Cu	63	5105	5978	4.34	0.001	ug/L	Standard
	Cu	65	2358	2832	2.91	0.010	ug/L	Standard
	Zn	66	762	794	9.06	-0.026	ug/L	Standard
	Zn	67	142	146	14.15	-0.034	ug/L	Standard
	Zn	68	1470	1781	3.15	0.024	ug/L	Standard
	As-2	75	300	255	39.66	-0.026	ug/L	Standard
	As-3	75	656	863	7.97	0.028	ug/L	Standard
	Se-1	77	193	301	7.15	0.265	ug/L	Standard
	Se-1	82	8	36	39.76	0.059	ug/L	Standard
>	Ge	72	48971	57231	1.45		ug/L	Standard
	As	75	300	255	39.66	-0.019	ug/L	Standard
	As-1	75	656	863	7.97	0.054	ug/L	Standard
	Se	77	193	301	7.15	0.372	ug/L	Standard
	Se	82	8	36	39.76	0.067	ug/L	Standard
	Y	89	485564	508285	1.82		ug/L	Standard
	Mo	98	29	691	16.64	0.071	ug/L	Standard
	Ag	107	187	1361	22.96	0.065	ug/L	Standard
	Ag	109	155	1644	22.08	0.059	ug/L	Standard

	Cd	111	68	99	10.55	0.005	ug/L	Standard
	Cd	114	68	127	7.11	0.004	ug/L	Standard
>	In	115	659309	698412	0.84		ug/L	Standard
	Sb	121	1125	11656	16.08	0.686	ug/L	Standard
	Sb	123	849	9011	15.03	0.689	ug/L	Standard
	Ba	135	46	131	24.09	0.018	ug/L	Standard
	Ba	137	56	219	9.24	0.020	ug/L	Standard
	Tb	159	792267	899158	2.05		ug/L	Standard
>	Ho	165	798706	940108	1.46		ug/L	Standard
	Hg	201	11	128	23.52	0.057	ug/L	Standard
	Hg	202	26	283	16.46	0.057	ug/L	Standard
	Tl	203	17	1027	32.29	0.047	ug/L	Standard
	Tl	205	36	2472	30.08	0.048	ug/L	Standard
	Pb	208	1816	5082	7.22	0.046	ug/L	Standard
	Bi	209	413360	490558	0.81		ug/L	Standard
	Th	232	2857	81783	26.24	1.488	ug/L	Standard
	U	238	26	773	26.63	0.012	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		119.381			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		122.599			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		116.866			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		105.931			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		117.704			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
Quality Assurance Data

Quantitative Analysis - Summary Report

Sample ID: i2-551 mb

Sample Date/Time: Monday, August 15, 2022 12:03:17
Sample Description: soil
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-551 mb.039
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 101
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
[>	Li	6	239996	269781	3.80		ug/L	Standard
|	Li	7	14522	17248	4.05		ug/L	Standard
|	Be	9	2	34	24.77	0.006	ug/L	Standard
|	Al	27	54642	106053	10.01	0.961	ug/L	Standard
[	Be-1	9	2	34	24.77	0.006	ug/L	Standard
[>	Sc	45	387257	439650	2.84		ug/L	Standard
[	V	51	10524	9599	7.53	-0.066	ug/L	Standard
|	V-1	51	2637	36698	0.81	1.035	ug/L	Standard
|	Cr	52	31842	35082	12.55	-0.012	ug/L	Standard
|	Cr	53	1037	12258	2.67	3.410	ug/L	Standard
|	Mn	55	6435	8703	8.29	0.039	ug/L	Standard
|	Fe	57	31806	38335	3.98	3.874	ug/L	Standard
|	Co	59	221	404	13.35	0.005	ug/L	Standard
|	Ni	60	189	396	6.09	0.027	ug/L	Standard
|	Ni	62	82	126	12.18	0.035	ug/L	Standard
|	Cu	63	5105	10472	2.65	0.321	ug/L	Standard
|	Cu	65	2358	4816	4.81	0.317	ug/L	Standard
|	Zn	66	762	3133	10.43	0.633	ug/L	Standard
|	Zn	67	142	564	8.39	0.718	ug/L	Standard
|	Zn	68	1470	3203	7.14	0.625	ug/L	Standard
|	As-2	75	300	99	132.66	-0.067	ug/L	Standard
|	As-3	75	656	3003	1.31	0.708	ug/L	Standard
|	Se-1	77	193	1008	3.65	2.960	ug/L	Standard
|	Se-1	82	8	10	80.26	0.003	ug/L	Standard
[>	Ge	72	48971	54498	2.16		ug/L	Standard
[	As	75	300	99	132.66	-0.066	ug/L	Standard
|	As-1	75	656	3003	1.31	0.731	ug/L	Standard
|	Se	77	193	1008	3.65	3.056	ug/L	Standard
|	Se	82	8	10	80.26	0.003	ug/L	Standard
|	Y	89	485564	516853	3.43		ug/L	Standard
|	Mo	98	29	365	8.23	0.035	ug/L	Standard
|	Ag	107	187	341	18.32	0.008	ug/L	Standard
|	Ag	109	155	499	15.73	0.013	ug/L	Standard

	Cd	111	68	95	8.73	0.004	ug/L	Standard
	Cd	114	68	738	2.90	0.046	ug/L	Standard
>	In	115	659309	710261	2.67		ug/L	Standard
	Sb	121	1125	7302	8.32	0.394	ug/L	Standard
	Sb	123	849	5495	9.21	0.384	ug/L	Standard
	Ba	135	46	126	11.53	0.017	ug/L	Standard
	Ba	137	56	238	14.39	0.022	ug/L	Standard
	Tb	159	792267	891661	0.98		ug/L	Standard
>	Ho	165	798706	912487	0.61		ug/L	Standard
	Hg	201	11	61	10.61	0.025	ug/L	Standard
	Hg	202	26	120	4.18	0.021	ug/L	Standard
	Tl	203	17	226	14.18	0.010	ug/L	Standard
	Tl	205	36	542	8.59	0.010	ug/L	Standard
	Pb	208	1816	5105	4.35	0.048	ug/L	Standard
	Bi	209	413360	475235	1.41		ug/L	Standard
	Th	232	2857	17169	7.68	0.272	ug/L	Standard
	U	238	26	322	19.36	0.005	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		112.411			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc	—	113.529	—	—	—
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		111.286			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		107.728			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		114.246			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: i2-551 lcs

Sample Date/Time: Monday, August 15, 2022 12:07:52
Sample Description: soil
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-551 lcs.040
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 102
Sample Type: Spike - 2 of 28

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	274947	5.16		ug/L	Standard
	Li	7	14522	17381	3.73	---	ug/L	Standard
	Be	9	2	25421	2.92	4.882	ug/L	Standard
	Al	27	54642	247095	3.03	3.915	ug/L	Standard
	Be-1	9	2	25421	2.92	5.008	ug/L	Standard
>	Sc	45	387257	443813	3.36		ug/L	Standard
	V	51	10524	942601	2.06	28.552	ug/L	Standard
	V-1	51	2637	1005434	1.91	30.358	ug/L	Standard
	Cr	52	31842	1406738	1.78	48.402	ug/L	Standard
	Cr	53	1037	175967	1.80	53.032	ug/L	Standard
	Mn	55	6435	779899	2.06	19.387	ug/L	Standard
	Fe	57	31806	39648	3.09	4.970	ug/L	Standard
	Co	59	221	603277	2.29	19.193	ug/L	Standard
	Ni	60	189	166616	1.95	24.260	ug/L	Standard
	Ni	62	82	24382	1.34	24.071	ug/L	Standard
	Cu	63	5105	744712	1.58	48.898	ug/L	Standard
	Cu	65	2358	344168	0.56	48.774	ug/L	Standard
	Zn	66	762	178554	0.64	48.726	ug/L	Standard
	Zn	67	142	28233	2.07	49.090	ug/L	Standard
	Zn	68	1470	126845	1.30	49.378	ug/L	Standard
	As-2	75	300	31616	2.83	8.904	ug/L	Standard
	As-3	75	656	35045	2.07	10.545	ug/L	Standard
	Se-1	77	193	2691	4.50	9.117	ug/L	Standard
	Se-1	82	8	1917	4.35	4.443	ug/L	Standard
>	Ge	72	48971	55175	2.84		ug/L	Standard
	As	75	300	31616	2.83	9.190	ug/L	Standard
	As-1	75	656	35045	2.07	10.885	ug/L	Standard
	Se	77	193	2691	4.50	9.441	ug/L	Standard
	Se	82	8	1917	4.35	4.587	ug/L	Standard
	Y	89	485564	518449	3.51		ug/L	Standard
	Mo	98	29	176634	1.79	18.608	ug/L	Standard
	Ag	107	187	189969	1.56	10.320	ug/L	Standard
	Ag	109	155	244316	1.27	9.601	ug/L	Standard

	Cd	111	68	55193	1.37	9.162	ug/L	Standard
	Cd	114	68	148865	1.01	10.169	ug/L	Standard
>	In	115	659309	713309	1.47		ug/L	Standard
	Sb	121	1125	316110	0.96	20.227	ug/L	Standard
	Sb	123	849	245327	1.30	20.333	ug/L	Standard
	Ba	135	46	223034	1.72	48.190	ug/L	Standard
	Ba	137	56	382226	1.27	47.882	ug/L	Standard
	Tb	159	792267	890738	1.10		ug/L	Standard
>	Ho	165	798706	913760	1.22		ug/L	Standard
	Hg	201	11	9348	1.05	4.811	ug/L	Standard
	Hg	202	26	20843	0.66	4.885	ug/L	Standard
	Tl	203	17	103603	1.48	4.944	ug/L	Standard
	Tl	205	36	242359	2.00	4.926	ug/L	Standard
	Pb	208	1816	3077399	1.07	48.950	ug/L	Standard
	Bi	209	413360	466345	3.03		ug/L	Standard
	Th	232	2857	12206	1.09	0.175	ug/L	Standard
	U	238	26	258	10.95	0.004	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution %-Difference	Duplicate Rel. % Difference
>	6	Li		114.563			
	7	Li					
	9	Be			97.520		
	27	Al					
	9	Be-1			100.030		
>	45	Sc		114.604			
	51	V			95.391		
	51	V-1			97.744		
	52	Cr			96.828		
	53	Cr			99.244		
	55	Mn			96.737		
	57	Fe			1.096		
	59	Co			95.941		
	60	Ni			96.930		
	62	Ni			96.145		
	63	Cu			97.153		
	65	Cu			96.914		
	66	Zn			96.186		
	67	Zn			96.745		
	68	Zn			97.506		
	75	As-2			89.716		
	75	As-3			98.376		
	77	Se-1			123.139		
	82	Se-1			88.816		
>	72	Ge		112.668			
	75	As			92.562		
	75	As-1			101.535		
	77	Se			127.690		
	82	Se			91.669		
	89	Y					
	98	Mo			92.863		
	107	Ag			103.123		
	109	Ag			95.882		
	111	Cd			91.587		
	114	Cd			101.232		
>	115	In		108.190			
	121	Sb			99.166		
	123	Sb			99.746		
	135	Ba			96.346		
	137	Ba			95.719		
	159	Tb					
>	165	Ho		114.405			
	201	Hg			95.729		
	202	Hg			97.275		
	203	Tl			98.687		
	205	Tl			98.321		
	208	Pb			97.804		
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208200-01

Sample Date/Time: Monday, August 15, 2022 12:12:26
Sample Description: soil
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208200-01.041
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 103
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
[>	Li	6	239996	266557	4.40		ug/L	Standard
|	Li	7	14522	118741	3.29		ug/L	Standard
|	Be	9	2	941	3.10	0.186	ug/L	Standard
|	Al	27	54642	329138745	2.47	7201.930	ug/L	Standard
[	Be-1	9	2	941	3.10	0.160	ug/L	Standard
[>	Sc	45	387257	512829	2.73		ug/L	Standard
[	V	51	10524	646783	1.68	18.285	ug/L	Standard
|	V-1	51	2637	698160	1.32	19.782	ug/L	Standard
|	Cr	52	31842	602161	0.36	18.720	ug/L	Standard
|	Cr	53	1037	82656	1.49	23.218	ug/L	Standard
|	Mn	55	6435	7148155	0.45	168.395	ug/L	Standard
|	Fe	57	31806	5796273	0.43	6990.350	ug/L	Standard
|	Co	59	221	100996	2.02	3.012	ug/L	Standard
|	Ni	60	189	66918	2.59	9.133	ug/L	Standard
|	Ni	62	82	10251	3.28	9.452	ug/L	Standard
|	Cu	63	5105	515819	3.28	31.685	ug/L	Standard
|	Cu	65	2358	241537	2.75	32.036	ug/L	Standard
|	Zn	66	762	426533	2.33	109.661	ug/L	Standard
|	Zn	67	142	65582	3.00	107.513	ug/L	Standard
|	Zn	68	1470	293044	2.02	107.990	ug/L	Standard
|	As-2	75	300	8911	1.50	2.290	ug/L	Standard
|	As-3	75	656	12876	0.57	3.495	ug/L	Standard
|	Se-1	77	193	1445	2.05	4.212	ug/L	Standard
|	Se-1	82	8	101	11.85	0.200	ug/L	Standard
[>	Ge	72	48971	58696	3.34		ug/L	Standard
[	As	75	300	8911	1.50	2.557	ug/L	Standard
|	As-1	75	656	12876	0.57	3.913	ug/L	Standard
|	Se	77	193	1445	2.05	4.777	ug/L	Standard
|	Se	82	8	101	11.85	0.224	ug/L	Standard
|	Y	89	485564	765081	1.77		ug/L	Standard
|	Mo	98	29	8441	1.87	0.898	ug/L	Standard
|	Ag	107	187	2885	3.49	0.148	ug/L	Standard
|	Ag	109	155	3765	5.53	0.144	ug/L	Standard

	Cd	111	68	26092	1.45	4.385	ug/L	Standard
	Cd	114	68	64924	0.81	4.494	ug/L	Standard
>	In	115	659309	703565	1.13		ug/L	Standard
	Sb	121	1125	16568	3.97	1.001	ug/L	Standard
	Sb	123	849	12751	3.28	0.999	ug/L	Standard
	Ba	135	46	290886	0.69	63.730	ug/L	Standard
	Ba	137	56	493038	0.38	62.624	ug/L	Standard
	Tb	159	792267	925601	1.32		ug/L	Standard
>	Ho	165	798706	943254	1.19		ug/L	Standard
	Hg	201	11	373	5.17	0.180	ug/L	Standard
	Hg	202	26	802	4.14	0.175	ug/L	Standard
	Tl	203	17	1253	10.88	0.057	ug/L	Standard
	Tl	205	36	2907	9.53	0.056	ug/L	Standard
	Pb	208	1816	1928153	1.19	29.697	ug/L	Standard
	Bi	209	413360	471286	1.99		ug/L	Standard
	Th	232	2857	46198	12.71	0.813	ug/L	Standard
	U	238	26	24842	0.30	0.401	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		111.067			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		132.426			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		119.859			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		106.713			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		118.098			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: i2-551 ms 208200-01

Sample Date/Time: Monday, August 15, 2022 12:17:01
Sample Description: soil
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-551 ms 208200-01.042
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 104
Sample Type: Spike - 2 of 30

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	265505	4.01		ug/L	Standard
	Li	7	14522	114097	2.84		ug/L	Standard
	Be	9	2	26174	1.35	5.205	ug/L	Standard
	Al	27	54642	315888659	0.96	6941.761	ug/L	Standard
	Be-1	9	2	26174	1.35	4.474	ug/L	Standard
>	Sc	45	387257	511417	1.55		ug/L	Standard
	V	51	10524	1566894	0.55	43.879	ug/L	Standard
	V-1	51	2637	1662191	0.81	46.239	ug/L	Standard
	Cr	52	31842	1905885	0.37	60.665	ug/L	Standard
	Cr	53	1037	241024	0.76	66.929	ug/L	Standard
	Mn	55	6435	7226209	1.16	166.639	ug/L	Standard
	Fe	57	31806	5714519	1.58	6746.119	ug/L	Standard
	Co	59	221	688062	1.01	20.141	ug/L	Standard
	Ni	60	189	224381	1.23	30.067	ug/L	Standard
	Ni	62	82	33361	1.77	30.334	ug/L	Standard
	Cu	63	5105	1173205	0.71	71.068	ug/L	Standard
	Cu	65	2358	541706	0.54	70.833	ug/L	Standard
	Zn	66	762	564371	1.49	142.196	ug/L	Standard
	Zn	67	142	88650	1.15	142.431	ug/L	Standard
	Zn	68	1470	398336	0.84	143.975	ug/L	Standard
	As-2	75	300	38899	0.99	10.101	ug/L	Standard
	As-3	75	656	43594	1.13	12.110	ug/L	Standard
	Se-1	77	193	3044	3.86	9.532	ug/L	Standard
	Se-1	82	8	1791	0.68	3.821	ug/L	Standard
>	Ge	72	48971	59922	1.23		ug/L	Standard
	As	75	300	38899	0.99	11.587	ug/L	Standard
	As-1	75	656	43594	1.13	13.908	ug/L	Standard
	Se	77	193	3044	3.86	11.038	ug/L	Standard
	Se	82	8	1791	0.68	4.381	ug/L	Standard
	Y	89	485564	754219	4.10		ug/L	Standard
	Mo	98	29	174030	3.45	18.746	ug/L	Standard
	Ag	107	187	180593	1.86	10.033	ug/L	Standard
	Ag	109	155	234838	1.35	9.439	ug/L	Standard

	Cd	111	68	78306	1.38	13.300	ug/L	Standard
	Cd	114	68	196554	2.03	13.733	ug/L	Standard
>	In	115	659309	697476	1.55		ug/L	Standard
	Sb	121	1125	288770	1.52	18.895	ug/L	Standard
	Sb	123	849	222459	0.64	18.852	ug/L	Standard
	Ba	135	46	505498	0.80	111.729	ug/L	Standard
	Ba	137	56	863252	0.89	110.607	ug/L	Standard
	Tb	159	792267	938087	1.36		ug/L	Standard
>	Ho	165	798706	945704	1.73		ug/L	Standard
	Hg	201	11	9435	1.42	4.694	ug/L	Standard
	Hg	202	26	20780	0.96	4.707	ug/L	Standard
	Tl	203	17	99835	3.25	4.603	ug/L	Standard
	Tl	205	36	233645	2.63	4.588	ug/L	Standard
	Pb	208	1816	4812871	1.59	73.983	ug/L	Standard
	Bi	209	413360	475703	2.77		ug/L	Standard
	Th	232	2857	36956	6.19	0.635	ug/L	Standard
	U	238	26	23849	1.72	0.384	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		110.629			
	7	Li					
	9	Be			100.386		
	27	Al					
	9	Be-1			86.285		
>	45	Sc		132.061			
	51	V			85.313		
	51	V-1			88.190		
	52	Cr			83.890		
	53	Cr			87.423		
	55	Mn			-8.780		
	57	Fe			-244.232		
	59	Co			85.647		
	60	Ni			83.735		
	62	Ni			83.529		
	63	Cu			78.766		
	65	Cu			77.593		
	66	Zn			65.069		
	67	Zn			69.838		
	68	Zn			71.969		
	75	As-2			78.102		
	75	As-3			86.149		
	77	Se-1			106.399		
	82	Se-1			72.427		
>	72	Ge		122.363			
	75	As			90.294		
	75	As-1			99.947		
	77	Se			125.224		
	82	Se			83.139		
	89	Y					
	98	Mo			89.238		
	107	Ag			98.847		
	109	Ag			92.952		
	111	Cd			89.154		
	114	Cd			92.398		
>	115	In		105.789			
	121	Sb			89.472		
	123	Sb			89.267		
	135	Ba			95.997		
	137	Ba			95.966		
	159	Tb					
>	165	Ho		118.404			
	201	Hg			90.284		
	202	Hg			90.625		
	203	Tl			90.915		
	205	Tl			90.639		
	208	Pb			88.572		
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: i2-551 msd 208200-01

Sample Date/Time: Monday, August 15, 2022 12:21:36
Sample Description: soil
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\i2-551 msd 208200-01.043
Tuning File: C:\Users\Public\Documents\PerkInElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 105
Sample Type: Spike - 2 of 30

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
[>	Li	6	239996	267971	3.03		ug/L	Standard
|	Li	7	14522	125944	2.88		ug/L	Standard
|	Be	9	2	26986	2.09	5.315	ug/L	Standard
|	Al	27	54642	347398428	2.89	7556.536	ug/L	Standard
[	Be-1	9	2	26986	2.09	4.595	ug/L	Standard
[>	Sc	45	387257	513488	2.52		ug/L	Standard
[	V	51	10524	1673416	2.63	47.345	ug/L	Standard
|	V-1	51	2637	1764380	2.10	49.572	ug/L	Standard
|	Cr	52	31842	2057202	4.15	66.224	ug/L	Standard
|	Cr	53	1037	257192	3.49	72.146	ug/L	Standard
|	Mn	55	6435	7542675	0.20	175.700	ug/L	Standard
|	Fe	57	31806	6232760	1.70	7436.012	ug/L	Standard
|	Co	59	221	725806	2.14	21.457	ug/L	Standard
|	Ni	60	189	238327	0.95	32.261	ug/L	Standard
|	Ni	62	82	35534	2.02	32.632	ug/L	Standard
|	Cu	63	5105	1263607	2.09	77.329	ug/L	Standard
|	Cu	65	2358	578954	1.80	76.476	ug/L	Standard
|	Zn	66	762	616292	1.80	156.822	ug/L	Standard
|	Zn	67	142	95943	1.57	155.719	ug/L	Standard
|	Zn	68	1470	428677	1.52	156.545	ug/L	Standard
|	As-2	75	300	40668	1.37	10.672	ug/L	Standard
|	As-3	75	656	46070	1.61	12.942	ug/L	Standard
|	Se-1	77	193	3360	1.94	10.724	ug/L	Standard
|	Se-1	82	8	1852	1.72	3.990	ug/L	Standard
[>	Ge	72	48971	59336	2.17		ug/L	Standard
[	As	75	300	40668	1.37	11.958	ug/L	Standard
|	As-1	75	656	46070	1.61	14.515	ug/L	Standard
|	Se	77	193	3360	1.94	12.103	ug/L	Standard
|	Se	82	8	1852	1.72	4.470	ug/L	Standard
|	Y	89	485564	779661	0.91		ug/L	Standard
|	Mo	98	29	184397	0.94	19.613	ug/L	Standard
|	Ag	107	187	188999	1.69	10.364	ug/L	Standard
|	Ag	109	155	249290	0.59	9.890	ug/L	Standard

	Cd	111	68	82328	1.56	13.801	ug/L	Standard
	Cd	114	68	204427	1.75	14.097	ug/L	Standard
>	In	115	659309	706672	1.65		ug/L	Standard
	Sb	121	1125	307193	0.47	19.841	ug/L	Standard
	Sb	123	849	236044	0.28	19.748	ug/L	Standard
	Ba	135	46	543174	0.19	118.499	ug/L	Standard
	Ba	137	56	923257	1.25	116.783	ug/L	Standard
	Tb	159	792267	922048	0.72		ug/L	Standard
>	Ho	165	798706	942932	0.71		ug/L	Standard
	Hg	201	11	10289	0.87	5.132	ug/L	Standard
	Hg	202	26	22461	0.79	5.102	ug/L	Standard
	Tl	203	17	106006	2.11	4.902	ug/L	Standard
	Tl	205	36	247666	1.43	4.878	ug/L	Standard
	Pb	208	1816	5102114	0.60	78.663	ug/L	Standard
	Bi	209	413360	472639	1.89		ug/L	Standard
	Th	232	2857	33790	6.86	0.577	ug/L	Standard
	U	238	26	25405	1.92	0.411	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		111.657			
	7	Li					
	9	Be			102.575		
	27	Al					
	9	Be-1			88.697		
>	45	Sc		132.596			
	51	V			96.869		
	51	V-1			99.300		
	52	Cr			95.007		
	53	Cr			97.855		
	55	Mn			36.523		
	57	Fe			445.662		
	59	Co			92.226		
	60	Ni			92.511		
	62	Ni			92.720		
	63	Cu			91.267		
	65	Cu			88.880		
	66	Zn			94.321		
	67	Zn			96.413		
	68	Zn			97.110		
	75	As-2			83.815		
	75	As-3			94.470		
	77	Se-1			130.229		
	82	Se-1			75.815		
>	72	Ge		121.165			
	75	As			94.003		
	75	As-1			106.018		
	77	Se			146.514		
	82	Se			84.916		
	89	Y					
	98	Mo			93.572		
	107	Ag			102.162		
	109	Ag			97.465		
	111	Cd			94.166		
	114	Cd			96.034		
>	115	In		107.184			
	121	Sb			94.201		
	123	Sb			93.744		
	135	Ba			109.537		
	137	Ba			108.319		
	159	Tb					
>	165	Ho		118.057			
	201	Hg			99.053		
	202	Hg			98.526		
	203	Tl			96.901		
	205	Tl			96.435		
	208	Pb			97.933		
	209	Bi					
	232	Th					
	238	U					

EPA 6020B
Sample Data

Quantitative Analysis - Summary Report

Sample ID: 208203-03

Sample Date/Time: Monday, August 15, 2022 14:56:46
Sample Description: soil
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-03.076
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 356
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	280033	4.28		ug/L	Standard
	Li	7	14522	144053	3.04		ug/L	Standard
	Be	9	2	1804	2.03	0.340	ug/L	Standard
	Al	27	54642	306390895	3.68	6377.255	ug/L	Standard
	Be-1	9	2	1804	2.03	0.238	ug/L	Standard
>	Sc	45	387257	660697	1.29		ug/L	Standard
	V	51	10524	1120104	0.81	28.183	ug/L	Standard
	V-1	51	2637	1361179	1.90	34.164	ug/L	Standard
	Cr	52	31842	450577	2.03	11.944	ug/L	Standard
	Cr	53	1037	126187	4.59	31.474	ug/L	Standard
	Mn	55	6435	7935995	1.67	165.118	ug/L	Standard
	Fe	57	31806	9504858	1.97	10145.308	ug/L	Standard
	Co	59	221	137476	1.51	3.626	ug/L	Standard
	Ni	60	189	134849	1.60	16.291	ug/L	Standard
	Ni	62	82	21933	1.87	17.955	ug/L	Standard
	Cu	63	5105	761729	1.49	41.468	ug/L	Standard
	Cu	65	2358	352884	0.91	41.483	ug/L	Standard
	Zn	66	762	316579	2.01	71.821	ug/L	Standard
	Zn	67	142	54375	2.89	78.662	ug/L	Standard
	Zn	68	1470	228669	3.33	74.208	ug/L	Standard
	As-2	75	300	16737	3.73	3.860	ug/L	Standard
	As-3	75	656	24881	1.85	6.125	ug/L	Standard
	Se-1	77	193	2677	0.90	7.399	ug/L	Standard
	Se-1	82	8	58	8.59	0.091	ug/L	Standard
>	Ge	72	48971	66464	4.01		ug/L	Standard
	As	75	300	16737	3.73	4.903	ug/L	Standard
	As-1	75	656	24881	1.85	7.796	ug/L	Standard
	Se	77	193	2677	0.90	9.558	ug/L	Standard
	Se	82	8	58	8.59	0.121	ug/L	Standard
	Y	89	485564	821892	1.29		ug/L	Standard
	Mo	98	29	9645	0.43	1.030	ug/L	Standard
	Ag	107	187	1395	4.78	0.066	ug/L	Standard
	Ag	109	155	1503	0.78	0.054	ug/L	Standard

	Cd	111	68	5879	1.36	0.982	ug/L	Standard
	Cd	114	68	15803	1.70	1.093	ug/L	Standard
>	In	115	659309	701386	0.86		ug/L	Standard
	Sb	121	1125	16643	2.82	1.009	ug/L	Standard
	Sb	123	849	12748	2.36	1.002	ug/L	Standard
	Ba	135	46	815815	0.94	179.297	ug/L	Standard
	Ba	137	56	1415742	0.75	180.386	ug/L	Standard
	Tb	159	792267	951738	1.17		ug/L	Standard
>	Ho	165	798706	976827	0.99		ug/L	Standard
	Hg	201	11	203	4.11	0.091	ug/L	Standard
	Hg	202	26	467	3.42	0.095	ug/L	Standard
	Tl	203	17	887	4.14	0.039	ug/L	Standard
	Tl	205	36	2164	3.43	0.040	ug/L	Standard
	Pb	208	1816	7297865	1.26	108.631	ug/L	Standard
	Bi	209	413360	457286	2.12		ug/L	Standard
	Th	232	2857	85532	6.08	1.502	ug/L	Standard
	U	238	26	33703	2.90	0.526	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel % Difference
>	6	Li		116.682			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		170.609			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		135.721			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		106.382			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		122.301			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208203-04

Sample Date/Time: Monday, August 15, 2022 15:01:20
Sample Description: soil
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-04.077
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 357
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	281399	2.18		ug/L	Standard
	Li	7	14522	143833	2.25		ug/L	Standard
	Be	9	2	488	4.50	0.091	ug/L	Standard
	Al	27	54642	175467512	3.02	3633.389	ug/L	Standard
	Be-1	9	2	488	4.50	0.079	ug/L	Standard
>	Sc	45	387257	536069	2.45		ug/L	Standard
	V	51	10524	1000882	0.52	26.126	ug/L	Standard
	V-1	51	2637	1070401	0.82	27.871	ug/L	Standard
	Cr	52	31842	232298	2.19	5.806	ug/L	Standard
	Cr	53	1037	47457	6.15	12.047	ug/L	Standard
	Mn	55	6435	4249060	0.70	91.748	ug/L	Standard
	Fe	57	31806	9320885	1.25	10337.246	ug/L	Standard
	Co	59	221	100027	0.55	2.738	ug/L	Standard
	Ni	60	189	39622	2.47	4.948	ug/L	Standard
	Ni	62	82	7277	2.23	6.125	ug/L	Standard
	Cu	63	5105	102518	2.05	5.469	ug/L	Standard
	Cu	65	2358	48372	1.46	5.579	ug/L	Standard
	Zn	66	762	84818	1.83	19.819	ug/L	Standard
	Zn	67	142	14579	2.36	21.712	ug/L	Standard
	Zn	68	1470	60035	3.49	19.765	ug/L	Standard
	As-2	75	300	9290	2.43	2.186	ug/L	Standard
	As-3	75	656	13345	6.06	3.308	ug/L	Standard
	Se-1	77	193	1456	9.42	3.821	ug/L	Standard
	Se-1	82	8	25	45.38	0.030	ug/L	Standard
>	Ge	72	48971	63967	3.17		ug/L	Standard
	As	75	300	9290	2.43	2.702	ug/L	Standard
	As-1	75	656	13345	6.06	4.112	ug/L	Standard
	Se	77	193	1456	9.42	4.879	ug/L	Standard
	Se	82	8	25	45.38	0.041	ug/L	Standard
	Y	89	485564	704341	3.73		ug/L	Standard
	Mo	98	29	2335	5.55	0.249	ug/L	Standard
	Ag	107	187	378	9.02	0.010	ug/L	Standard
	Ag	109	155	369	8.53	0.008	ug/L	Standard

	Cd	111	68	437	28.26	0.062	ug/L	Standard
	Cd	114	68	585	2.54	0.036	ug/L	Standard
>	In	115	659309	695423	0.82		ug/L	Standard
	Sb	121	1125	2920	5.79	0.114	ug/L	Standard
	Sb	123	849	2297	5.15	0.120	ug/L	Standard
	Ba	135	46	99263	1.39	21.992	ug/L	Standard
	Ba	137	56	168776	2.09	21.680	ug/L	Standard
	Tb	159	792267	942268	1.10		ug/L	Standard
>	Ho	165	798706	968026	2.35		ug/L	Standard
	Hg	201	11	51	14.88	0.018	ug/L	Standard
	Hg	202	26	103	18.90	0.016	ug/L	Standard
	Tl	203	17	459	4.30	0.020	ug/L	Standard
	Tl	205	36	1027	1.66	0.019	ug/L	Standard
	Pb	208	1816	97101	2.67	1.426	ug/L	Standard
	Bi	209	413360	481138	1.95		ug/L	Standard
	Th	232	2857	42959	5.09	0.731	ug/L	Standard
	U	238	26	9018	7.77	0.142	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		117.251			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		138.427			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		130.621			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		105.477			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		121.199			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208203-05

Sample Date/Time: Monday, August 15, 2022 15:05:54
Sample Description: soil
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-05.078
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 358
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	280511	1.63		ug/L	Standard
	Li	7	14522	148691	3.51		ug/L	Standard
	Be	9	2	759	0.77	0.142	ug/L	Standard
	Al	27	54642	262812183	2.26	5459.506	ug/L	Standard
	Be-1	9	2	759	0.77	0.120	ug/L	Standard
>	Sc	45	387257	549664	0.47		ug/L	Standard
	V	51	10524	919959	2.31	23.661	ug/L	Standard
	V-1	51	2637	990296	1.40	25.441	ug/L	Standard
	Cr	52	31842	429063	3.69	11.629	ug/L	Standard
	Cr	53	1037	69303	1.93	17.543	ug/L	Standard
	Mn	55	6435	6498948	2.21	138.615	ug/L	Standard
	Fe	57	31806	9579396	0.27	10485.798	ug/L	Standard
	Co	59	221	123501	0.69	3.337	ug/L	Standard
	Ni	60	189	93571	0.31	11.579	ug/L	Standard
	Ni	62	82	14679	2.09	12.289	ug/L	Standard
	Cu	63	5105	799279	1.99	44.637	ug/L	Standard
	Cu	65	2358	371573	2.49	44.794	ug/L	Standard
	Zn	66	762	1121120	1.85	261.425	ug/L	Standard
	Zn	67	142	171665	2.00	255.331	ug/L	Standard
	Zn	68	1470	774917	3.19	259.533	ug/L	Standard
	As-2	75	300	21781	2.94	5.184	ug/L	Standard
	As-3	75	656	26401	2.14	6.683	ug/L	Standard
	Se-1	77	193	1532	3.76	4.007	ug/L	Standard
	Se-1	82	8	66	21.90	0.109	ug/L	Standard
>	Ge	72	48971	64782	1.59		ug/L	Standard
	As	75	300	21781	2.94	6.545	ug/L	Standard
	As-1	75	656	26401	2.14	8.464	ug/L	Standard
	Se	77	193	1532	3.76	5.253	ug/L	Standard
	Se	82	8	66	21.90	0.143	ug/L	Standard
	Y	89	485564	682770	1.36		ug/L	Standard
	Mo	98	29	5844	4.89	0.636	ug/L	Standard
	Ag	107	187	1858	3.79	0.094	ug/L	Standard
	Ag	109	155	2301	2.56	0.087	ug/L	Standard

	Cd	111	68	10562	0.61	1.811	ug/L	Standard
	Cd	114	68	28375	1.51	2.008	ug/L	Standard
>	In	115	659309	687011	0.63		ug/L	Standard
	Sb	121	1125	22468	1.73	1.420	ug/L	Standard
	Sb	123	849	17153	2.56	1.405	ug/L	Standard
	Ba	135	46	584388	1.37	131.121	ug/L	Standard
	Ba	137	56	1004955	1.46	130.718	ug/L	Standard
	Tb	159	792267	921549	2.56		ug/L	Standard
>	Ho	165	798706	946865	1.79		ug/L	Standard
	Hg	201	11	292	2.60	0.138	ug/L	Standard
	Hg	202	26	668	2.13	0.144	ug/L	Standard
	Tl	203	17	870	0.24	0.039	ug/L	Standard
	Tl	205	36	2054	1.91	0.039	ug/L	Standard
	Pb	208	1816	18007315	1.27	276.580	ug/L	Standard
	Bi	209	413360	476821	1.97		ug/L	Standard
	Th	232	2857	37485	4.94	0.645	ug/L	Standard
	U	238	26	16969	1.91	0.273	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		116.882			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		141.938			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		132.287			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		104.202			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		116.550			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208203-03 x5

Sample Date/Time: Monday, August 15, 2022 15:21:46
Sample Description: soil
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-03 x5.081
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 359
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
>	Li	6	239996	287771	0.75		ug/L	Standard
	Li	7	14522	42331	0.99		ug/L	Standard
	Be	9	2	350	5.17	0.064	ug/L	Standard
	Al	27	54642	59854763	2.24	1210.975	ug/L	Standard
	Be-1	9	2	350	5.17	0.061	ug/L	Standard
>	Sc	45	387257	497602	1.64		ug/L	Standard
	V	51	10524	220543	1.89	6.108	ug/L	Standard
	V-1	51	2637	223278	1.17	6.378	ug/L	Standard
	Cr	52	31842	110205	4.01	2.454	ug/L	Standard
	Cr	53	1037	12942	2.92	3.401	ug/L	Standard
	Mn	55	6435	1530569	3.43	36.526	ug/L	Standard
	Fe	57	31806	1835083	2.63	2220.092	ug/L	Standard
	Co	59	221	26322	2.52	0.793	ug/L	Standard
	Ni	60	189	24160	3.02	3.336	ug/L	Standard
	Ni	62	82	3749	2.51	3.461	ug/L	Standard
	Cu	63	5105	156271	2.56	9.508	ug/L	Standard
	Cu	65	2358	73141	3.56	9.610	ug/L	Standard
	Zn	66	762	63816	3.52	16.495	ug/L	Standard
	Zn	67	142	10648	3.80	17.529	ug/L	Standard
	Zn	68	1470	47254	3.25	17.173	ug/L	Standard
	As-2	75	300	3403	5.69	0.830	ug/L	Standard
	As-3	75	656	4392	3.24	1.064	ug/L	Standard
	Se-1	77	193	408	5.22	0.638	ug/L	Standard
	Se-1	82	8	18	157.66	0.018	ug/L	Standard
>	Ge	72	48971	57664	2.55		ug/L	Standard
	As	75	300	3403	5.69	0.927	ug/L	Standard
	As-1	75	656	4392	3.24	1.199	ug/L	Standard
	Se	77	193	408	5.22	0.793	ug/L	Standard
	Se	82	8	18	157.66	0.023	ug/L	Standard
	Y	89	485564	578757	1.52		ug/L	Standard
	Mo	98	29	1935	3.93	0.205	ug/L	Standard
	Ag	107	187	339	7.58	0.008	ug/L	Standard
	Ag	109	155	331	2.34	0.007	ug/L	Standard

	Cd	111	68	1145	2.38	0.183	ug/L	Standard
	Cd	114	68	3034	1.19	0.207	ug/L	Standard
>	In	115	659309	697043	1.51		ug/L	Standard
	Sb	121	1125	4492	2.77	0.217	ug/L	Standard
	Sb	123	849	3291	1.44	0.204	ug/L	Standard
	Ba	135	46	150919	2.06	33.364	ug/L	Standard
	Ba	137	56	255675	2.46	32.768	ug/L	Standard
	Tb	159	792267	913122	2.44		ug/L	Standard
>	Ho	165	798706	939637	1.81		ug/L	Standard
	Hg	201	11	55	16.79	0.021	ug/L	Standard
	Hg	202	26	121	5.52	0.020	ug/L	Standard
	Tl	203	17	217	1.92	0.009	ug/L	Standard
	Tl	205	36	512	2.85	0.009	ug/L	Standard
	Pb	208	1816	1485560	1.42	22.965	ug/L	Standard
	Bi	209	413360	485159	1.64		ug/L	Standard
	Th	232	2857	15877	15.31	0.239	ug/L	Standard
	U	238	26	6623	1.59	0.107	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		119.906			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		126.494			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		117.751			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		105.723			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		117.645			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

Quantitative Analysis - Summary Report

Sample ID: 208203-05 x5

Sample Date/Time: Monday, August 15, 2022 15:33:01
Sample Description: soil
User Name: ICPMS2
Computer Name: ICPMS2
Blank File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\blank.013
Number of Replicates: 3
Peak Processing Mode: Average
Signal Profile Processing Mode: Average

Sample File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Sample\08-15-22.sam
Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\08-15-22.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\08-15-22\208203-05 x5.083
Tuning File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun
Optimization File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac
Calibration File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\System\08-15-22.cal
Batch ID:
Calibration Type: External Calibration
Autosampler Position: 360
Sample Type: Sample

Intensities

	Analyte	Mass	Blank Intensity	Meas. Intens. Mean	Meas. Intens. RSD	Conc. Mean	Report Unit	Mode
⌜>	Li	6	239996	292046	2.11		ug/L	Standard
|	Li	7	14522	44501	1.79		ug/L	Standard
|	Be	9	2	174	5.66	0.031	ug/L	Standard
⌞	Al	27	54642	53551767	1.49	1067.592	ug/L	Standard
⌜	Be-1	9	2	174	5.66	0.030	ug/L	Standard
⌞>	Sc	45	387257	494058	0.61		ug/L	Standard
⌜	V	51	10524	190375	1.63	5.096	ug/L	Standard
|	V-1	51	2637	191282	1.62	5.325	ug/L	Standard
|	Cr	52	31842	112745	3.02	2.455	ug/L	Standard
|	Cr	53	1037	12754	2.65	3.263	ug/L	Standard
|	Mn	55	6435	1282064	3.72	29.884	ug/L	Standard
|	Fe	57	31806	1925922	2.12	2278.844	ug/L	Standard
|	Co	59	221	24850	3.56	0.731	ug/L	Standard
|	Ni	60	189	18599	3.11	2.503	ug/L	Standard
|	Ni	62	82	2951	3.68	2.642	ug/L	Standard
|	Cu	63	5105	166184	2.69	9.900	ug/L	Standard
|	Cu	65	2358	77256	1.28	9.936	ug/L	Standard
|	Zn	66	762	225592	0.63	57.586	ug/L	Standard
|	Zn	67	142	34359	1.15	55.904	ug/L	Standard
|	Zn	68	1470	157396	1.65	57.395	ug/L	Standard
|	As-2	75	300	4569	2.00	1.120	ug/L	Standard
|	As-3	75	656	5571	2.20	1.374	ug/L	Standard
|	Se-1	77	193	405	5.70	0.593	ug/L	Standard
|	Se-1	82	8	28	28.28	0.039	ug/L	Standard
⌞>	Ge	72	48971	58994	0.79		ug/L	Standard
⌜	As	75	300	4569	2.00	1.275	ug/L	Standard
|	As-1	75	656	5571	2.20	1.578	ug/L	Standard
|	Se	77	193	405	5.70	0.777	ug/L	Standard
|	Se	82	8	28	28.28	0.046	ug/L	Standard
|	Y	89	485564	555619	2.38		ug/L	Standard
|	Mo	98	29	1678	10.43	0.177	ug/L	Standard
|	Ag	107	187	1359	32.47	0.064	ug/L	Standard
|	Ag	109	155	1594	37.02	0.057	ug/L	Standard

	Cd	111	68	2223	2.44	0.365	ug/L	Standard
	Cd	114	68	5777	0.92	0.398	ug/L	Standard
>	In	115	659309	698467	0.80		ug/L	Standard
	Sb	121	1125	14989	25.11	0.904	ug/L	Standard
	Sb	123	849	11475	26.14	0.897	ug/L	Standard
	Ba	135	46	110714	0.69	24.426	ug/L	Standard
	Ba	137	56	189126	0.26	24.191	ug/L	Standard
	Tb	159	792267	904503	2.30		ug/L	Standard
>	Ho	165	798706	938777	2.14		ug/L	Standard
	Hg	201	11	160	27.13	0.073	ug/L	Standard
	Hg	202	26	371	20.22	0.078	ug/L	Standard
	Tl	203	17	971	44.06	0.044	ug/L	Standard
	Tl	205	36	2336	41.43	0.045	ug/L	Standard
	Pb	208	1816	3675258	0.93	56.913	ug/L	Standard
	Bi	209	413360	493710	1.73		ug/L	Standard
	Th	232	2857	121822	30.38	2.247	ug/L	Standard
	U	238	26	4241	14.44	0.068	ug/L	Standard

QC Calculated Values

	Mass	Analyte	QC Std % Recovery	Int Std % Recovery	Spike % Recovery	Dilution % Difference	Duplicate Rel. % Difference
>	6	Li		121.688			
	7	Li					
	9	Be					
	27	Al					
	9	Be-1					
>	45	Sc		127.579			
	51	V					
	51	V-1					
	52	Cr					
	53	Cr					
	55	Mn					
	57	Fe					
	59	Co					
	60	Ni					
	62	Ni					
	63	Cu					
	65	Cu					
	66	Zn					
	67	Zn					
	68	Zn					
	75	As-2					
	75	As-3					
	77	Se-1					
	82	Se-1					
>	72	Ge		120.467			
	75	As					
	75	As-1					
	77	Se					
	82	Se					
	89	Y					
	98	Mo					
	107	Ag					
	109	Ag					
	111	Cd					
	114	Cd					
>	115	In		105.939			
	121	Sb					
	123	Sb					
	135	Ba					
	137	Ba					
	159	Tb					
>	165	Ho		117.537			
	201	Hg					
	202	Hg					
	203	Tl					
	205	Tl					
	208	Pb					
	209	Bi					
	232	Th					
	238	U					

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis:	8260	Standard(s) spiked:	63-124A, 63-150A, 64-93A, 65-52A, 65-56
Matrix:	Soil	Volume spiked:	25uL into 5g of sand and 2.4755mL MeOH
Instrument ID:	GCMS #11	Date(s) Extracted:	05/04/21, 05/26/21, 07/13/21, 08/31/21, 12
Reporting Units:	mg/kg	Date(s) Analyzed:	05/04/21, 05/26/21, 07/13/21, 08/31/21, 12
		Date Calculated:	6/3/2021, 09/24/21, 12/09/21, 12/10/21, 02
		Calculation Analyst:	JCM, WE, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Ethanol							
Dichlorodifluoromethane	0.01582	0.032	0.079	0.005	0.019	0.025	76
Chloromethane	0.22570	0.451	1.128	0.075	0.181	0.250	73
Vinyl chloride	0.00240	0.005	0.012	0.001	0.004	0.005	78
Bromomethane	0.23349	0.467	1.167	0.078	0.200	0.250	80
Chloroethane	0.01175	0.024	0.059	0.004	0.024	0.025	96
Trichlorofluoromethane	0.01044	0.021	0.052	0.003	0.025	0.025	100
2-Propanol							
Acetone	1.01283	2.026	5.064	0.338	1.544	1.250	124
1,1-Dichloroethene	0.00223	0.004	0.011	0.001	0.010	0.010	97
Hexane	0.02078	0.042	0.104	0.007	0.029	0.025	115
Methylene chloride	0.31529	0.631	1.576	0.105	0.193	0.250	77
t-Butyl alcohol (TBA)	0.39052	0.781	1.953	0.130	1.269	1.250	102
Methyl t-butyl ether (MTBE	0.00116	0.002	0.006	0.000	0.005	0.005	102
trans-1,2-Dichloroethene	0.00191	0.004	0.010	0.001	0.006	0.005	114
Diisopropyl ether (DIPE)	0.00558	0.011	0.028	0.002	0.025	0.025	100
1,1-Dichloroethane	0.00114	0.002	0.006	0.000	0.005	0.005	105
Ethyl t-butyl ether (ETBE)	0.00685	0.014	0.034	0.002	0.024	0.025	96
2,2-Dichloropropane	0.01300	0.026	0.065	0.004	0.023	0.025	93
cis-1,2-Dichloroethene	0.00134	0.003	0.007	0.000	0.005	0.005	110
Chloroform	0.00441	0.009	0.022	0.001	0.012	0.010	119
2-Butanone (MEK)	0.70451	1.409	3.523	0.235	1.410	1.250	113
t-Amyl methyl ether (TAME)	0.00761	0.015	0.038	0.003	0.024	0.025	98
1,2-Dichloroethane (EDC)	0.00395	0.008	0.020	0.001	0.010	0.010	105
1,1,1-Trichloroethane	0.00122	0.002	0.006	0.000	0.005	0.005	104
1,1-Dichloropropene	0.00483	0.010	0.024	0.002	0.027	0.025	106
Carbon tetrachloride	0.01044	0.021	0.052	0.003	0.009	0.010	92
Benzene	0.00097	0.002	0.005	0.000	0.005	0.005	106
Trichloroethene	0.00371	0.007	0.019	0.001	0.005	0.005	109
1,2-Dichloropropane	0.00960	0.019	0.048	0.003	0.025	0.025	100
Bromodichloromethane	0.00582	0.012	0.029	0.002	0.010	0.010	99
Dibromomethane	0.01140	0.023	0.057	0.004	0.027	0.025	108
4-Methyl-2-pentanone	0.37391	0.748	1.870	0.125	1.222	1.250	98
cis-1,3-Dichloropropene	0.00766	0.015	0.038	0.003	0.024	0.025	96
Toluene	0.00318	0.006	0.016	0.001	0.010	0.010	101
trans-1,3-Dichloropropene	0.00918	0.018	0.046	0.003	0.025	0.025	99
1,1,2-Trichloroethane	0.00180	0.004	0.009	0.001	0.010	0.010	104
2-Hexanone	0.40120	0.802	2.006	0.134	1.236	1.250	99
1,3-Dichloropropane	0.00625	0.012	0.031	0.002	0.011	0.010	112
Tetrachloroethene	0.00221	0.004	0.011	0.001	0.005	0.005	94
Dibromochloromethane	0.01103	0.022	0.055	0.004	0.024	0.025	97
1,2-Dibromoethane (EDB)	0.00218	0.004	0.011	0.001	0.011	0.010	106
Chlorobenzene	0.00253	0.005	0.013	0.001	0.011	0.010	115
Ethylbenzene	0.00221	0.004	0.011	0.001	0.005	0.005	105
1,1,1,2-Tetrachloroethane	0.00423	0.008	0.021	0.001	0.011	0.010	112
m,p-Xylene	0.00434	0.009	0.022	0.001	0.011	0.010	105
o-Xylene	0.00163	0.003	0.008	0.001	0.005	0.005	105
Styrene	0.00415	0.008	0.021	0.001	0.011	0.010	110
Isopropylbenzene	0.00309	0.006	0.015	0.001	0.010	0.010	104
Bromoform	0.01320	0.026	0.066	0.004	0.023	0.025	91
n-Propylbenzene	0.00433	0.009	0.022	0.001	0.011	0.010	114
Bromobenzene	0.00966	0.019	0.048	0.003	0.027	0.025	108
1,3,5-Trimethylbenzene	0.00344	0.007	0.017	0.001	0.011	0.010	109
1,1,2,2-Tetrachloroethane	0.00623	0.012	0.031	0.002	0.025	0.025	101
1,2,3-Trichloropropane	0.01137	0.023	0.057	0.004	0.027	0.025	108
2-Chlorotoluene	0.00576	0.012	0.029	0.002	0.026	0.025	104
4-Chlorotoluene	0.00580	0.012	0.029	0.002	0.025	0.025	101
tert-Butylbenzene	0.00247	0.005	0.012	0.001	0.011	0.010	107
1,2,4-Trimethylbenzene	0.00330	0.007	0.016	0.001	0.011	0.010	106
sec-Butylbenzene	0.00305	0.006	0.015	0.001	0.011	0.010	107
p-Isopropyltoluene	0.00428	0.009	0.021	0.001	0.011	0.010	108
1,3-Dichlorobenzene	0.00339	0.007	0.017	0.001	0.011	0.010	115
1,4-Dichlorobenzene	0.00512	0.010	0.026	0.002	0.012	0.010	119
1,2-Dichlorobenzene	0.00478	0.010	0.024	0.002	0.012	0.010	116
1,2-Dibromo-3-chloropropane	0.06478	0.130	0.324	0.022	0.241	0.250	96
1,2,4-Trichlorobenzene	0.01119	0.022	0.056	0.004	0.012	0.010	122
Hexachlorobutadiene	0.00718	0.014	0.036	0.002	0.012	0.010	125
Naphthalene	0.01299	0.026	0.065	0.004	0.027	0.025	107
1,2,3-Trichlorobenzene	0.06474	0.129	0.324	0.022	0.235	0.250	94

Reported MDL Data and Calculations **Analyst fill in all below** (attach extraction worksheet(s))

Analysis:	8260	Standard(s) spiked:	63-4A, 63-4B, 63-4C, 63-26A, 63-26B, 63-26C
Matrix:	Water	Volume spiked:	4.3 uL (A), 8.6 uL (B), 17.2/43 uL (C)
Instrument ID:	GCMS #13	Date(s) Extracted:	05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21,12/08
Reporting Units:	ug/L	Date(s) Analyzed:	05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/0
		Date Calculated:	06/01/21, 06/09/21, 12/07/21, 12/10/21, 4/6/2022, 04/1
		Calculation Analyst:	JCM, WE, AEN, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Ethanol							
Dichlorodifluoromethane	0.152	0.305	0.762	0.051	0.200	0.2	100
Chloromethane	1.096	2.191	5.478	0.365	5.441	5	109
Vinyl chloride	0.017	0.035	0.087	0.006	0.025	0.02	124
Bromomethane	1.853	3.707	9.267	0.618	6.097	5	122
Chloroethane	0.220	0.439	1.098	0.073	0.246	0.2	123
Trichlorofluoromethane	0.063	0.126	0.316	0.021	0.245	0.2	122
2-Propanol							
Acetone	4.490	8.980	22.450	1.498	12.426	10	124
1,1-Dichloroethene	0.015	0.031	0.077	0.005	0.056	0.05	112
Hexane	0.197	0.395	0.986	0.066	0.192	0.2	96
Methylene chloride	1.769	3.539	8.847	0.590	6.045	5	121
t-Butyl alcohol (TBA)	7.967	15.934	39.836	2.657	24.852	25	99
Methyl t-butyl ether (MTBE	0.054	0.109	0.272	0.018	0.061	0.05	121
trans-1,2-Dichloroethene	0.021	0.043	0.106	0.007	0.058	0.05	116
Diisopropyl ether (DIPE)	0.039	0.078	0.195	0.013	0.201	0.2	100
1,1-Dichloroethane	0.013	0.026	0.066	0.004	0.054	0.05	108
Ethyl t-butyl ether (ETBE)	0.028	0.057	0.142	0.009	0.198	0.2	99
2,2-Dichloropropane	0.188	0.376	0.939	0.063	0.255	0.2	128
cis-1,2-Dichloroethene	0.015	0.029	0.073	0.005	0.057	0.05	114
Chloroform	0.049	0.099	0.246	0.016	0.215	0.2	107
2-Butanone (MEK)	1.862	3.723	9.308	0.621	10.875	10	109
t-Amyl methyl ether (TAME)	0.049	0.098	0.245	0.016	0.210	0.2	105
1,2-Dichloroethane (EDC)	0.097	0.194	0.485	0.032	0.229	0.2	114
1,1,1-Trichloroethane	0.012	0.025	0.062	0.004	0.054	0.05	109
1,1-Dichloropropene	0.060	0.120	0.299	0.020	0.199	0.2	100
Carbon tetrachloride	0.110	0.220	0.550	0.037	0.199	0.2	99
Benzene	0.018	0.036	0.089	0.006	0.025	0.02	124
Trichloroethene	0.032	0.064	0.159	0.011	0.059	0.05	117
1,2-Dichloropropane	0.133	0.266	0.666	0.044	0.218	0.2	109
Bromodichloromethane	0.061	0.121	0.303	0.020	0.215	0.2	108
Dibromomethane	0.043	0.087	0.216	0.014	0.229	0.2	114
4-Methyl-2-pentanone	1.975	3.951	9.877	0.659	25.044	25	100
cis-1,3-Dichloropropene	0.060	0.119	0.298	0.020	0.214	0.2	107
Toluene	0.018	0.035	0.088	0.006	0.060	0.05	119
trans-1,3-Dichloropropene	0.088	0.176	0.441	0.029	0.213	0.2	106
1,1,2-Trichloroethane	0.118	0.237	0.592	0.040	0.230	0.2	115
2-Hexanone	1.094	2.188	5.470	0.365	11.949	10	119
1,3-Dichloropropane	0.059	0.118	0.296	0.020	0.213	0.2	107
Tetrachloroethene	0.023	0.046	0.114	0.008	0.064	0.05	127
Dibromochloromethane	0.051	0.102	0.256	0.017	0.212	0.2	106
1,2-Dibromoethane (EDB)	0.022	0.043	0.108	0.007	0.059	0.05	118
Chlorobenzene	0.042	0.085	0.212	0.014	0.221	0.2	110
Ethylbenzene	0.016	0.033	0.082	0.005	0.028	0.02	141
1,1,1,2-Tetrachloroethane	0.065	0.130	0.324	0.022	0.217	0.2	108
m,p-Xylene	0.030	0.060	0.149	0.010	0.056	0.04	141
o-Xylene	0.011	0.022	0.054	0.004	0.026	0.02	132
Styrene	0.048	0.095	0.239	0.016	0.192	0.2	96
Isopropylbenzene	0.011	0.023	0.057	0.004	0.200	0.2	100
Bromoform	0.091	0.183	0.457	0.030	0.219	0.2	110
n-Propylbenzene	0.027	0.054	0.135	0.009	0.207	0.2	103
Bromobenzene	0.057	0.114	0.286	0.019	0.211	0.2	106
1,3,5-Trimethylbenzene	0.017	0.034	0.084	0.006	0.205	0.2	103
1,1,2,2-Tetrachloroethane	0.062	0.123	0.308	0.021	0.222	0.2	111
1,2,3-Trichloropropane	0.111	0.223	0.556	0.037	0.242	0.2	121
2-Chlorotoluene	0.039	0.078	0.194	0.013	0.210	0.2	105
4-Chlorotoluene	0.033	0.065	0.163	0.011	0.207	0.2	103
tert-Butylbenzene	0.021	0.042	0.106	0.007	0.201	0.2	100
1,2,4-Trimethylbenzene	0.039	0.079	0.197	0.013	0.204	0.2	102
sec-Butylbenzene	0.031	0.062	0.156	0.010	0.205	0.2	103
p-Isopropyltoluene	0.042	0.084	0.210	0.014	0.195	0.2	97
1,3-Dichlorobenzene	0.052	0.104	0.261	0.017	0.217	0.2	108
1,4-Dichlorobenzene	0.040	0.079	0.198	0.013	0.223	0.2	112
1,2-Dichlorobenzene	0.038	0.077	0.191	0.013	0.212	0.2	106
1,2-Dibromo-3-chloropropane	0.999	1.997	4.994	0.333	4.836	5	97
1,2,4-Trichlorobenzene	0.053	0.105	0.263	0.018	0.218	0.2	109
Hexachlorobutadiene	0.115	0.230	0.576	0.038	0.224	0.2	112
Naphthalene	0.111	0.222	0.555	0.037	0.227	0.2	113
1,2,3-Trichlorobenzene	0.036	0.071	0.178	0.012	0.225	0.2	113

EPA 8260D
Sequence Tables

B58/9

Sequence Name: D:\GCMS11\sequence\08-08-22.sequence.xml
Comment:
Operator: RF
Data Path: D:\GCMS11\GCMS11_Data\08-08-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	080801	VM051422	rinse
2)	Sample	100	080802	VM051422	rinse
3)	Sample	1	080803	VM051422	10 ppb 8260 CCV 67-43N
4)	Sample	2	080804	VM051422	02-1802 lcs
5)	Sample	3	080805	VM051422	02-1802 lcsd
6)	Sample	100	080806	VM051422	rinse
7)	Sample	4	080807	VM051422	02-1802 mb
8)	Sample	5	080808	VM051422	02-1798 mb 1/0.25
9)	Sample	100	080809	VM080522	50 ng BFB 66-171A
10)	Sample	100	080810	VM080522	rinse
11)	Sample	100	080811	VM080522	rinse
12)	Sample	100	080812	VM080522	rinse
13)	Sample	100	080813	VM080522	rinse
14)	Sample	100	080814	VM080522	rinse
15)	Sample	100	080815	VM080522	rinse
16)	Sample	100	080816	VM080522	rinse
17)	Sample	100	080817	VM080522	rinse
18)	Sample	100	080818	VM080522	rinse
19)	Sample	100	080819	VM080522	rinse
20)	Sample	100	080820	VM080522	rinse
21)	Sample	100	080821	VM080522	rinse
22)	Sample	100	080822	VM080522	50 ng BFB 66-171A
23)	Sample	100	080823	VM080522	rinse
24)	Sample	100	080824	VM080522	rinse
25)	Sample	100	080825	VM080522	rinse
26)	Sample	6	080826	VM080522	rinse
27)	Sample	7	080827	VM080522	0.02 ppb 8260 ICAL 67-43F
28)	Sample	8	080828	VM080522	0.04 ppb 8260 ICAL 67-43G
29)	Sample	9	080829	VM080522	0.1 ppb 8260 ICAL 67-43H
30)	Sample	10	080830	VM080522	0.2 ppb 8260 ICAL 67-43I
31)	Sample	11	080831	VM080522	0.5 ppb 8260 ICAL 67-43J
32)	Sample	12	080832	VM080522	1 ppb 8260 ICAL 67-43K
33)	Sample	13	080833	VM080522	2 ppb 8260 ICAL 67-43L
34)	Sample	14	080834	VM080522	5 ppb 8260 ICAL 67-43M
35)	Sample	15	080835	VM080522	10 ppb 8260 ICAL 67-43N
36)	Sample	16	080836	VM080522	20 ppb 8260 ICAL 67-43O
37)	Sample	17	080837	VM080522	50 ppb 8260 ICAL 67-43Q
38)	Sample	18	080838	VM080522	100 ppb 8260 ICAL 67-43S
39)	Sample	19	080839	VM080522	150 ppb 8260 ICAL 67-43T
40)	Sample	20	080840	VM080522	200 ppb 8260 ICAL 67-43U
41)	Sample	21	080841	VM080522	rinse

Sequence Name: D:\GCMS11\sequence\08-08-22.sequence.xml
Comment:
Operator: RF
Data Path: D:\GCMS11\GCMS11_Data\08-08-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

nstrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

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42)	Sample	22	080842	VM080522 10 ppb 8260 SCV 67-46C
43)	Sample	100	080843	VM080522 rinse
44)	Sample	100	080844	VM080522 rinse
45)	Sample	100	080845	VM080522 rinse
46)	Sample	100	080846	VM080522 rinse

Injection Log

Data Directory: P:\Proc_GCMS11\08-08-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 080801.D rinse		100	1.000	08 Aug 2022 05:08 am
2) 080802.D rinse		100	1.000	08 Aug 2022 05:30 am
3) 080803.D 10 ppb 8260 CCV 67-4	soil/water	1	1.000	08 Aug 2022 05:53 am
4) 080804.D 02-1802 lcs	water	2	1.000	08 Aug 2022 06:16 am
5) 080805.D 02-1802 lcsd	water	3	1.000	08 Aug 2022 06:38 am
6) 080806.D rinse	soil/water	100	1.000	08 Aug 2022 07:00 am
7) 080807.D 02-1802 mb	water	4	1.000	08 Aug 2022 07:23 am
8) 080808.D 02-1798 mb 1/0.25	soil	5	1.000	08 Aug 2022 07:45 am
9) 080809.D 50 ng BFB 66-171A	direct inject	100	1.000	08 Aug 2022 09:22 am
10) 080810.D rinse	water	100	1.000	08 Aug 2022 09:50 am
11) 080811.D rinse	water	100	1.000	08 Aug 2022 10:12 am
12) 080812.D rinse	water	100	1.000	08 Aug 2022 10:35 am
13) 080813.D rinse	water	100	1.000	08 Aug 2022 10:58 am
14) 080814.D rinse	water	100	1.000	08 Aug 2022 12:38 pm
15) 080815.D rinse	water	100	1.000	08 Aug 2022 01:02 pm
16) 080816.D rinse	water	100	1.000	08 Aug 2022 01:26 pm
17) 080817.D rinse	water	100	1.000	08 Aug 2022 01:51 pm
18) 080818.D rinse	water	100	1.000	08 Aug 2022 02:17 pm
19) 080819.D rinse	water	100	1.000	08 Aug 2022 02:55 pm
20) 080820.D rinse	water	100	1.000	08 Aug 2022 03:20 pm
21) 080821.D				

DM

VM

AUG 10 2022

rinse	water	100	1.000	08 Aug 2022	03:46 pm
22) 080822.D 50 ng BFB 66-171A	direct inject	100	1.000	08 Aug 2022	04:18 pm
23) 080823.D rinse	water	100	1.000	08 Aug 2022	04:46 pm
24) 080824.D rinse	water	100	1.000	08 Aug 2022	05:11 pm
25) 080825.D rinse	water	100	1.000	08 Aug 2022	05:36 pm
26) 080826.D rinse	soil/water	6	1.000	08 Aug 2022	06:02 pm
27) 080827.D 0.02 ppb 8260 ICAL 6	soil/water	7	1.000	08 Aug 2022	06:26 pm
28) 080828.D 0.04 ppb 8260 ICAL 6	soil/water	8	1.000	08 Aug 2022	06:51 pm
29) 080829.D 0.1 ppb 8260 ICAL 67	soil/water	9	1.000	08 Aug 2022	07:15 pm
30) 080830.D 0.2 ppb 8260 ICAL 67	soil/water	10	1.000	08 Aug 2022	07:39 pm
31) 080831.D 0.5 ppb 8260 ICAL 67	soil/water	11	1.000	08 Aug 2022	08:02 pm
32) 080832.D 1 ppb 8260 ICAL 67-4	soil/water	12	1.000	08 Aug 2022	08:25 pm
33) 080833.D 2 ppb 8260 ICAL 67-4	soil/water	13	1.000	08 Aug 2022	08:48 pm
34) 080834.D 5 ppb 8260 ICAL 67-4	soil/water	14	1.000	08 Aug 2022	09:12 pm
35) 080835.D 10 ppb 8260 ICAL 67-	soil/water	15	1.000	08 Aug 2022	09:34 pm
36) 080836.D 20 ppb 8260 ICAL 67-	soil/water	16	1.000	08 Aug 2022	09:57 pm
37) 080837.D 50 ppb 8260 ICAL 67-	soil/water	17	1.000	08 Aug 2022	10:20 pm
38) 080838.D 100 ppb 8260 ICAL 67	soil/water	18	1.000	08 Aug 2022	10:42 pm
39) 080839.D 150 ppb 8260 ICAL 67	soil/water	19	1.000	08 Aug 2022	11:05 pm
40) 080840.D 200 ppb 8260 ICAL 67	soil/water	20	1.000	08 Aug 2022	11:27 pm
41) 080841.D rinse	soil/water	21	1.000	08 Aug 2022	11:49 pm
42) 080842.D 10 ppb 8260 SCV 67-4	soil/water	22	1.000	09 Aug 2022	12:12 am
43) 080843.D rinse	water	100	1.000	09 Aug 2022	12:34 am

VM

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44) 080844.D rinse	water	100	1.000	09 Aug 2022	12:56 am
45) 080845.D rinse	water	100	1.000	09 Aug 2022	01:18 am
46) 080846.D rinse	water	100	1.000	09 Aug 2022	01:40 am

VM

AUG 10 2022

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Sequence Name: D:\GCMS13\sequence\08-03-22.sequence.xml
Comment:
Operator: JCM
Data Path: D:\GCMS13\GCMS13_Data\08-03-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	080301	VM051422	rinse
2)	Sample	100	080302	VM051422	rinse
3)	Sample	1	080303	VM051422	10 ppb 8260 CCV 67-5N
4)	Sample	2	080304	VM051422	02-1796 lcs
5)	Sample	3	080305	VM051422	02-1796 lcsd
6)	Sample	100	080306	VM051422	rinse
7)	Sample	4	080307	VM051422	02-1796 mb
8)	Sample	100	080308	VM080322	rinse
9)	Sample	100	080309	VM080322	rinse
10)	Sample	100	080310	VM080322	rinse
11)	Sample	5	080311	VM080322	0.02 test
12)	Sample	6	080312	VM080322	0.2 test
13)	Sample	100	080313	VM080322	50 ng BFB 66-171A
14)	Sample	100	080314	VM080322	rinse
15)	Sample	100	080315	VM080322	rinse
16)	Sample	100	080316	VM080322	rinse
17)	Sample	100	080317	VM080322	rinse
18)	Sample	7	080318	VM080322	rinse
19)	Sample	8	080319	VM080322	0.02 ppb 8260 ICAL 67-43F
20)	Sample	9	080320	VM080322	0.04 ppb 8260 ICAL 67-43G
21)	Sample	10	080321	VM080322	0.1 ppb 8260 ICAL 67-43H
22)	Sample	11	080322	VM080322	0.2 ppb 8260 ICAL 67-43I
23)	Sample	12	080323	VM080322	0.5 ppb 8260 ICAL 67-43J
24)	Sample	13	080324	VM080322	1 ppb 8260 ICAL 67-43K
25)	Sample	14	080325	VM080322	2 ppb 8260 ICAL 67-43L
26)	Sample	15	080326	VM080322	5 ppb 8260 ICAL 67-43M
27)	Sample	16	080327	VM080322	10 ppb 8260 ICAL 67-43N
28)	Sample	17	080328	VM080322	20 ppb 8260 ICAL 67-43O
29)	Sample	18	080329	VM080322	50 ppb 8260 ICAL 67-43Q
30)	Sample	19	080330	VM080322	100 ppb 8260 ICAL 67-43S
31)	Sample	20	080331	VM080322	150 ppb 8260 ICAL 67-43T
32)	Sample	21	080332	VM080322	200 ppb 8260 ICAL 67-43U
33)	Sample	22	080333	VM080322	rinse
34)	Sample	23	080334	VM080322	10 ppb 8260 SCV 67-15A
35)	Sample	100	080335	VM080322	rinse
36)	Sample	100	080336	VM080322	rinse
37)	Sample	100	080337	VM080322	rinse
38)	Sample	100	080338	VM080322	rinse

Injection Log

Data Directory: Z:\Proc_GCMS13\08-03-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 080301.D				
rinse		100	1.000	03 Aug 2022 05:11 am
2) 080302.D				
rinse		100	1.000	03 Aug 2022 05:34 am
3) 080303.D				
10 ppb 8260 CCV 67-5	soil/water	1	1.000	03 Aug 2022 05:57 am
4) 080304.D				
02-1796 lcs	water	2	1.000	03 Aug 2022 06:20 am
5) 080305.D				
02-1796 lcsd	water	3	1.000	03 Aug 2022 06:43 am
6) 080306.D				
rinse		100	1.000	03 Aug 2022 07:05 am
7) 080307.D				
02-1796 mb	water	4	1.000	03 Aug 2022 07:28 am
8) 080308.D				
rinse	water	100	1.000	03 Aug 2022 03:27 pm
9) 080309.D				
rinse	water	100	1.000	03 Aug 2022 04:02 pm
10) 080310.D				
rinse	water	100	1.000	03 Aug 2022 04:25 pm
11) 080311.D				
0.02 test	water	5	1.000	03 Aug 2022 04:47 pm
12) 080312.D				
0.2 test	water	6	1.000	03 Aug 2022 05:11 pm
13) 080313.D				
50 ng BFB 66-171A	direct inject	100	1.000	03 Aug 2022 05:39 pm
14) 080314.D				
rinse	water	100	1.000	03 Aug 2022 06:00 pm
15) 080315.D				
rinse	water	100	1.000	03 Aug 2022 06:23 pm
16) 080316.D				
rinse	water	100	1.000	03 Aug 2022 06:46 pm
17) 080317.D				
rinse	water	100	1.000	03 Aug 2022 07:08 pm
18) 080318.D				
rinse	soil/water	7	1.000	03 Aug 2022 07:31 pm
19) 080319.D				
0.02 ppb 8260 ICAL 6	soil/water	8	1.000	03 Aug 2022 07:54 pm
20) 080320.D				
0.04 ppb 8260 ICAL 6	soil/water	9	1.000	03 Aug 2022 08:17 pm
21) 080321.D				

0.1 ppb 8260 ICAL 67 soil/water		10	1.000	03 Aug 2022	08:40 pm
22) 080322.D 0.2 ppb 8260 ICAL 67 soil/water		11	1.000	03 Aug 2022	09:03 pm
23) 080323.D 0.5 ppb 8260 ICAL 67 soil/water		12	1.000	03 Aug 2022	09:26 pm
24) 080324.D 1 ppb 8260 ICAL 67-4 soil/water		13	1.000	03 Aug 2022	09:49 pm
25) 080325.D 2 ppb 8260 ICAL 67-4 soil/water		14	1.000	03 Aug 2022	10:12 pm
26) 080326.D 5 ppb 8260 ICAL 67-4 soil/water		15	1.000	03 Aug 2022	10:35 pm
27) 080327.D 10 ppb 8260 ICAL 67- soil/water		16	1.000	03 Aug 2022	10:58 pm
28) 080328.D 20 ppb 8260 ICAL 67- soil/water		17	1.000	03 Aug 2022	11:21 pm
29) 080329.D 50 ppb 8260 ICAL 67- soil/water		18	1.000	03 Aug 2022	11:44 pm
30) 080330.D 100 ppb 8260 ICAL 67 soil/water		19	1.000	04 Aug 2022	12:07 am
31) 080331.D 150 ppb 8260 ICAL 67 soil/water		20	1.000	04 Aug 2022	12:30 am
32) 080332.D 200 ppb 8260 ICAL 67 soil/water		21	1.000	04 Aug 2022	12:53 am
33) 080333.D rinse	soil/water	22	1.000	04 Aug 2022	01:16 am
34) 080334.D REMAKE STANDARD. 10 ppb 8260 SCV 67-1 soil/water		23	1.000	04 Aug 2022	01:39 am
35) 080335.D rinse	water	100	1.000	04 Aug 2022	02:01 am
36) 080336.D rinse	water	100	1.000	04 Aug 2022	02:24 am
37) 080337.D rinse	water	100	1.000	04 Aug 2022	02:47 am
38) 080338.D rinse	water	100	1.000	04 Aug 2022	03:10 am

Sequence Name: D:\GCMS11\sequence\08-16-22.sequence.xml
Comment:
Operator: LM
Data Path: D:\GCMS11\GCMS11_Data\08-16-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

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Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	081601	VM080522	rinse
2)	Sample	100	081602	VM080522	rinse
3)	Sample	1	081603	VM080522	10 ppb 8260 CCV 67-43N
4)	Sample	2	081604	VM080522	02-1925 lcs
5)	Sample	3	081605	VM080522	02-1925 lcsd
6)	Sample	100	081606	VM080522	rinse
7)	Sample	4	081607	VM080522	02-1925 mb
8)	Sample	5	081608	VM080522	02-1924 mb 1/0.25
9)	Sample	6	081609	VM080522	208219-04
10)	Sample	7	081610	VM080522	208219-05
11)	Sample	8	081611	VM080522	208219-10
12)	Sample	9	081612	VM080522	208219-13
13)	Sample	10	081613	VM080522	208219-16
14)	Sample	11	081614	VM080522	208203-05
15)	Sample	12	081615	VM080522	208219-04 ms
16)	Sample	13	081616	VM080522	208219-04 msd
17)	Sample	14	081617	VM080522	02-1924 lcs rr
18)	Sample	100	081618	VM080522	rinse
19)	Sample	100	081619	VM080522	rinse

Injection Log

Data Directory: D:\Proc_GCMS11\08-16-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 081601.D rinse		100	1.000	16 Aug 2022 05:13 am
2) 081602.D rinse		100	1.000	16 Aug 2022 05:35 am
3) 081603.D 10 ppb 8260 CCV 67-4	soil/water	1	1.000	16 Aug 2022 05:58 am
4) 081604.D 02-1925 lcs	water	2	1.000	16 Aug 2022 06:20 am
5) 081605.D 02-1925 lcsd	water	3	1.000	16 Aug 2022 06:43 am
6) 081606.D rinse	soil/water	100	1.000	16 Aug 2022 07:05 am
7) 081607.D 02-1925 mb	water	4	1.000	16 Aug 2022 07:27 am
8) 081608.D 02-1924 mb 1/0.25	soil	5	1.000	16 Aug 2022 07:50 am
9) 081609.D 208219-04	soil	6	1.000	16 Aug 2022 09:46 am
10) 081610.D 208219-05	soil	7	1.000	16 Aug 2022 10:08 am
11) 081611.D 208219-10	soil	8	1.000	16 Aug 2022 10:31 am
12) 081612.D 208219-13	soil	9	1.000	16 Aug 2022 10:53 am
13) 081613.D 208219-16	soil	10	1.000	16 Aug 2022 11:15 am
14) 081614.D 208203-05	soil	11	1.000	16 Aug 2022 11:38 am
15) 081615.D 208219-04 ms	soil	12	1.000	16 Aug 2022 12:00 pm
16) 081616.D 208219-04 msd	soil	13	1.000	16 Aug 2022 12:23 pm
17) 081617.D 02-1924 lcs rr	soil	14	1.000	16 Aug 2022 05:12 pm

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Sequence Name: D:\GCMS13\sequence\08-16-22.sequence.xml
Comment:
Operator: WE
Data Path: D:\GCMS13\GCMS13_Data\08-16-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	081601	VM080322	rinse
2)	Sample	100	081602	VM080322	rinse
3)	Sample	1	081603	VM080322	10 ppb 8260 CCV 67-43N
4)	Sample	2	081604	VM080322	02-1926 lcs
5)	Sample	3	081605	VM080322	02-1926 lcsd
6)	Sample	100	081606	VM080322	rinse
7)	Sample	4	081607	VM080322	02-1926 mb
8)	Sample	5	081608	VM080322	208203-01 rerun.
9)	Sample	6	081609	VM080322	208204-02
10)	Sample	7	081610	VM080322	208204-04
11)	Sample	8	081611	VM080322	208204-02 ms
12)	Sample	100	081612	VM080322	rinse

Injection Log

Data Directory: D:\Proc_GCMS13\08-16-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 081601.D rinse		100	1.000	16 Aug 2022 05:16 am
2) 081602.D rinse		100	1.000	16 Aug 2022 05:39 am
3) 081603.D 10 ppb 8260 CCV 67-4	soil/water	1	1.000	16 Aug 2022 06:02 am
4) 081604.D 02-1926 lcs	water	2	1.000	16 Aug 2022 06:25 am
5) 081605.D 02-1926 lcsd	water	3	1.000	16 Aug 2022 06:48 am
6) 081606.D rinse		100	1.000	16 Aug 2022 07:10 am
7) 081607.D 02-1926 mb	water	4	1.000	16 Aug 2022 07:33 am
8) 081608.D 208203-01	water	5	1.000	16 Aug 2022 08:17 am
9) 081609.D 208204-02	water	6	1.000	16 Aug 2022 08:40 am
10) 081610.D 208204-04	water	7	1.000	16 Aug 2022 09:03 am
11) 081611.D 208204-02 ms	water	8	1.000	16 Aug 2022 09:26 am
12) 081612.D rinse	water	100	1.000	16 Aug 2022 09:48 am

8/16/22

EPA 8260D
Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 11 Sequence Date: 08.08.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ VM	08.10.22
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	✓

Notes: SCV high for Acetone and MEK

Attach this sheet to raw data package.

VM

AUG 10 2022

YA 08/11/22

Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 13 Sequence Date: 08/03/22 Shift # 2

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	JLM	08/05/22
2nd source passed		
Analyte retention time checked		
Tune passed		
Non-Conformance Report filled out (if needed)		

Notes: SPIKING ERROR AT 0.04 ppb. POINT OMITTED FOR ALL ANALYTES.
- SCV: CHLOROETHANE ↑, cn. if hit.

Attach this sheet to raw data package.

YA 08/05/22
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 11 Sequence Date: 8-16-22 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓ LN	8/16/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)	✓	

Notes: Bromomethane ↑, DCM ↑, 2,2-dichloro ↑

Attach this sheet to raw data package.

YA 08/17/22
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 13 Sequence Date: 08-16-22 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	Y MH	8/16/22
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	—	
Surrogate recoveries within limits	—	
Laboratory control sample (LCS) recoveries within limits	—	
Matrix spike (MS) analyzed	—	
RPDs within limits	—	
Continuing Calibration Analyzed, Evaluated and Passed	— see below	
Non-Conformance Report filled out (if needed)	NA MH	

Notes: DCMA

Attach this sheet to raw data package.

YA 08/17/22
Supervisor Initials and Date

EPA 8260D

Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : P:\Proc_GCMS11\08-08-22\080822.D
Tune Time : 08 Aug 2022 04:18 pm

Daily Calibration File : P:\Proc_GCMS11\08-08-22\080835.D

		(DMF)	(DHL)	(TOL)	(BFB)	72235	55909	32282
File	Sample	Surrogate Recovery %				Internal Standard Responses		
080827.D	0.02 ppb 8	100	94	98	100	71976	57010	32180
080828.D	0.04 ppb 8	101	104	100	102	71599	55511	32294
080829.D	0.1 ppb 82	100	98	100	99	70256	55302	32633
080830.D	0.2 ppb 82	101	98	100	101	71982	56014	31937
080831.D	0.5 ppb 82	100	102	99	103	70227	55215	31503
080832.D	1 ppb 8260	101	103	103	96	68781	53981	31879
080833.D	2 ppb 8260	102	97	101	103	69482	54121	31221
080834.D	5 ppb 8260	102	100	102	98	69904	54991	31424
080835.D	10 ppb 826	100	102	100	100	72235	55909	32282
080836.D	20 ppb 826	99	101	102	100	70922	54822	32142
080837.D	50 ppb 826	100	98	96	96	67522	50873	29994
080838.D	100 ppb 82	93	96	101	102	68481	51301	29370
080839.D	150 ppb 82	101	101	99	100	68433	52899	30028
080840.D	200 ppb 82	99	105	100	101	69478	52550	30248
080841.D	rinse	103	98	96	103	69376	50592	28399
080842.D	10 ppb 826	104	101	97	100	68215	50991	29019

(fails) - fails 12hr time check * - fails criteria

Created: Wed Aug 10 14:32:43 2022 GCMS11

GC/MS QA-QC Check Report

Tune File : Z:\Proc_GCMS13\08-03-22\080313.D
Tune Time : 03 Aug 2022 05:39 pm

Daily Calibration File : Z:\Proc_GCMS13\08-03-22\080327.D

		(DMF)	(DHL)	(TOL)	(BFB)		99590	74609	37206
File	Sample	Surrogate Recovery %					Internal Standard Responses		
080319.D	0.02 ppb 8	101	100	98	106	Rm	104016	77064	35670
080320.D	0.04 ppb 8	95	98	96	104		101697	73500	35676
080321.D	0.1 ppb 82	97	94	95	106		104481	73513	35666
080322.D	0.2 ppb 82	99	101	99	103		101484	73047	35962
080323.D	0.5 ppb 82	96	102	98	104		102301	74286	36099
080324.D	1 ppb 8260	102	105	102	104		99390	75926	36918
080325.D	2 ppb 8260	103	99	101	98		99271	74137	38035
080326.D	5 ppb 8260	97	96	98	97		102540	75130	37750
080327.D	10 ppb 826	99	99	102	100		99590	74609	37206
080328.D	20 ppb 826	104	104	98	99		99958	72788	37598
080329.D	50 ppb 826	103	98	100	98		100308	75609	38207
080330.D	100 ppb 82	100	97	106	96		99438	78509	40336
080331.D	150 ppb 82	103	101	103	93		99631	75658	39152
080332.D	200 ppb 82	99	107	104	93		94856	73883	37495
080334.D	10 ppb 826	101	96	99	101		95016	71373	33937

(fails) - fails 12hr time check * - fails criteria

Created: Fri Aug 05 13:49:15 2022 GCMS13

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS11\08-16-22\081607.D
Tune Time : 16 Aug 2022 07:27 am

Daily Calibration File : D:\Proc_GCMS11\08-16-22\081614.D

		(DMF)	(DHL)	(TOL)	(BFB)			
						52995	41848	24424
File	Sample	Surrogate Recovery %				Internal Standard Responses		
081609.D								
	208219-04	108	107	104	96	50395	41201	24834
081610.D								
	208219-05	106	98	102	101	52420	41046	22759
081611.D								
	208219-10	104	103	97	92	53422	40995	24054
081612.D								
	208219-13	104	102	98	101	53226	41101	22845
081613.D								
	208219-16	109	105	101	102	52999	41533	23583
081614.D								
	208203-05	105	101	98	97	52995	41848	24424
081615.D								
	208219-04	110	100	102	98	50518	40087	23068
081616.D								
	208219-04	108	105	101	99	51876	42293	23856

(fails) - fails 12hr time check * - fails criteria

Created: Tue Aug 16 13:51:04 2022 GCMS11

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS13\08-16-22\081603.D
Tune Time : 16 Aug 2022 06:02 am

Daily Calibration File : D:\Proc_GCMS13\08-16-22\081607.D

		(DMF)	(DHL)	(TOL)	(BFB)	53322	43318	21297
File	Sample	Surrogate Recovery %				Internal Standard Responses		
081604.D								
	02-1926 lc	105	110	101	90	51093	40773	21377
081605.D								
	02-1926 lc	105	101	99	88	52633	40411	22168
081607.D								
	02-1926 mb	103	96	100	93	53322	43318	21297
081608.D								
	208203-01	105	104	99	98	53837	41775	20532
081609.D								
	208204-02	100	109	99	94	53093	40056	20752
081610.D								
	208204-04	105	105	101	95	51468	41655	20506
081611.D								
	208204-02	103	100	101	88	52234	41271	22388

(fails) - fails 12hr time check * - fails criteria

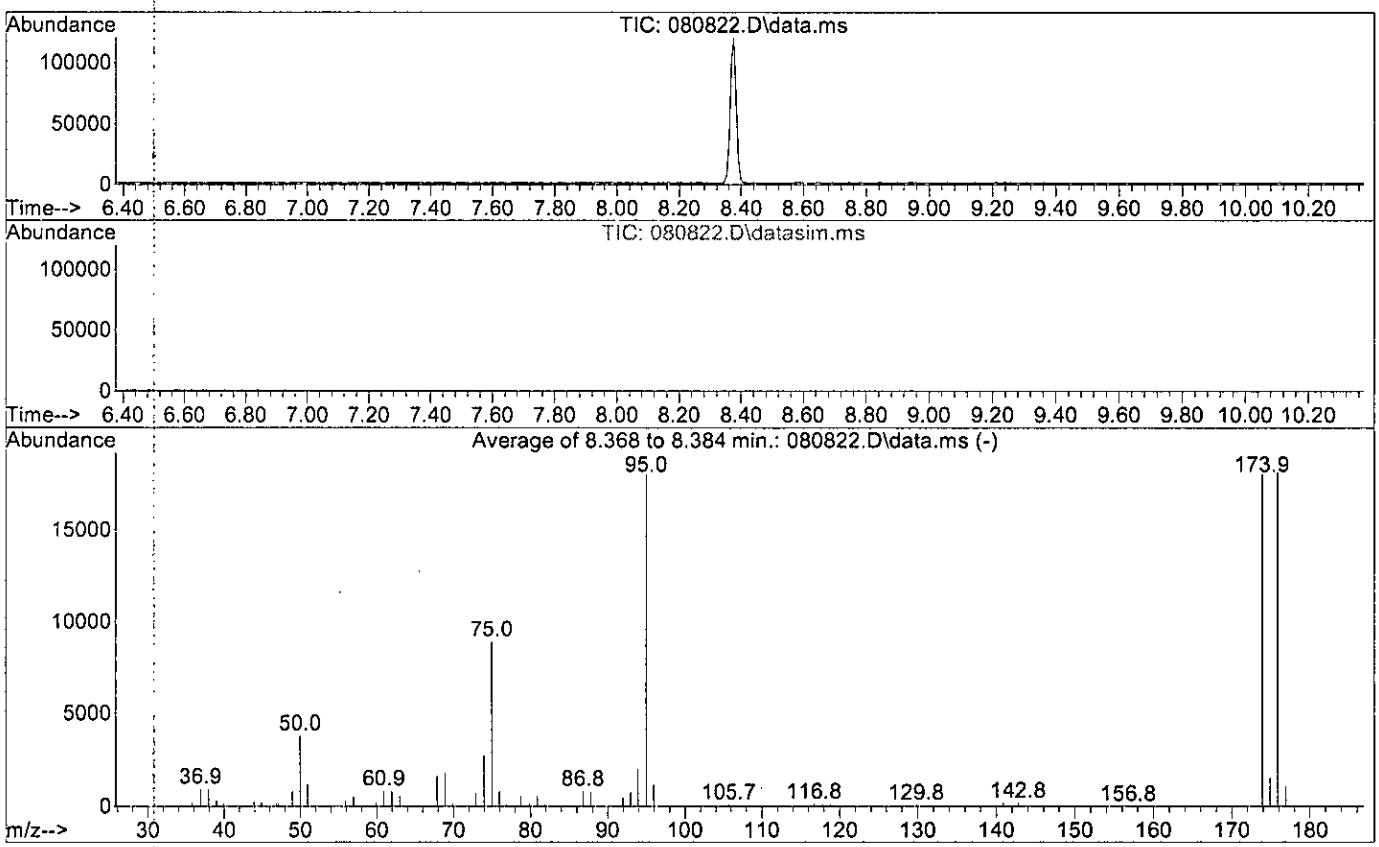
Created: Wed Aug 17 12:30:51 2022 GCMS13

EPA 8260D
Tune Summaries

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080822.D
Acq On : 08 Aug 2022 04:18 pm
Operator : RF
Sample : 50 ng BFB 66-171A
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : P:\METHODS\Inst11\VB080822ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Mon Aug 08 08:52:55 2022



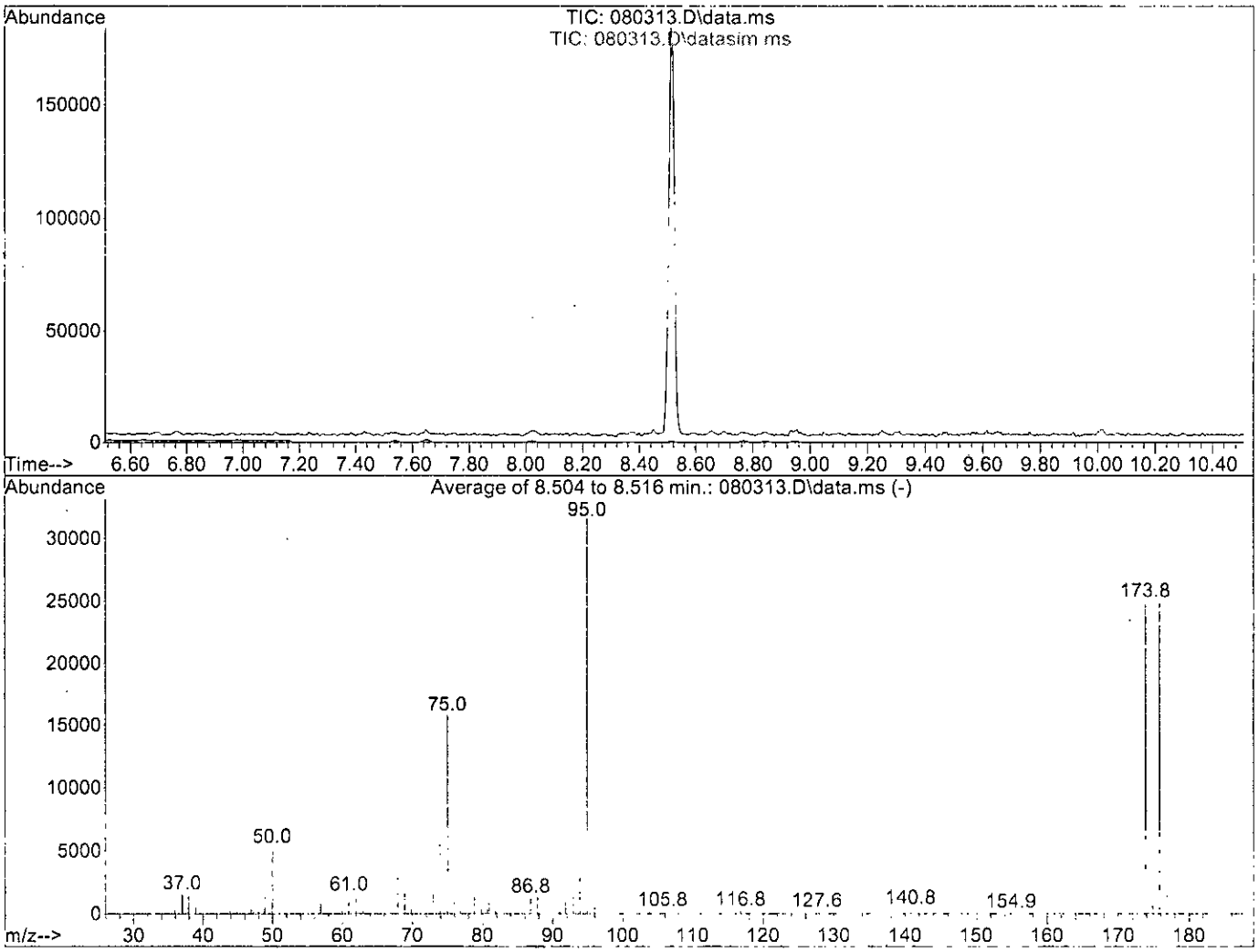
AutoFind: Scans 885, 886, 887; Background Corrected with Scan 879

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	99.6	18221	PASS
96	95	5	9	6.5	1178	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	100.4	18290	PASS
175	174	5	9	8.4	1544	PASS
176	174	95	105	99.4	18188	PASS
177	176	5	10	6.1	1101	PASS

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080313.D
Acq On : 03 Aug 2022 05:39 pm
Operator : JCM
Sample : 50 ng BFB 66-171A
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : Z:\METHODS\Inst13\VB080322ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Fri Aug 05 12:58:46 2022



AutoFind: Scans 1084, 1085, 1086; Background Corrected with Scan 1076

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	126.6	31589	PASS
96	95	5	9	7.4	2331	PASS
173	174	0.00	2	0.7	184	PASS
174	95	50	200	79.0	24955	PASS
175	174	5	9	8.4	2100	PASS
176	174	95	105	99.6	24851	PASS
177	176	5	10	7.0	1751	PASS

EPA 8260D
Initial Calibrations

Response Factor Report GCMS11

Method Path : P:\METHODS\Inst11\
Method File : VB080822ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Aug 10 13:56:13 2022
Response Via : Initial Calibration

Calibration Files
0.02=080827.D 0.04=080828.D 0.1 =080829.D 0.2 =080830.D 0.5 =080831.D 1 =080832.D 2 =080833.D
5 =080834.D 10 =080835.D 20 =080836.D 50 =080837.D 100 =080838.D 150 =080839.D 200 =080840.D

		Compound	0.02	0.04	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------													
2)	TMP	Ethanol															0.000#	-1.00
3)	S	Dibromofluorom...	0.273	0.277	0.275	0.278	0.275	0.278	0.279	0.279	0.274	0.272	0.273	0.255	0.276	0.272	0.274	2.17
4)	TMP	Dichlorodifluo...					0.881	0.758	0.693	0.855	0.848	0.835	0.872	0.860	0.845	0.750	0.820	7.68
5)	TMP	Chloromethane							0.759	0.926	0.887	0.882	0.913	0.891	0.885	0.785	0.866	6.96
6)	TMP	Vinyl chloride	0.785	0.625	0.786	0.761	0.824	0.822	0.701	0.898	0.853	0.859	0.870	0.846	0.816	0.736	0.799	9.23
7)	TMP	Bromomethane							0.343	0.461	0.478	0.506	0.533	0.517	0.500	0.448	0.473	12.67
8)	TMP	Chloroethane				0.382	0.406	0.423	0.350	0.449	0.432	0.418	0.420	0.409	0.398	0.358	0.404	7.52
9)	TMP	Trichlorofluor...				0.930	0.955	1.014	0.811	1.062	0.961	0.972	0.994	0.978	0.947	0.908	0.957	6.66
10)	TMP	2-Propanol															0.000	-1.00
11)	TMP	Acetone						0.036	0.023	0.025	0.025	0.023	0.024	0.023	0.023	0.021	0.025	18.33
12)	TMP	1,1-Dichloroet...	0.320	0.272	0.290	0.272	0.274	0.278	0.231	0.284	0.280	0.268	0.278	0.272	0.262	0.237	0.273	7.81
13)	TMP	Hexane						0.466	0.379	0.434	0.432	0.401	0.396	0.423	0.416	0.390	0.415	6.48
14)	TMP	Methylene chlo...								0.602	0.432	0.352	0.320	0.292	0.281	0.252	0.362	33.48
15)	TMP	t-Butyl alcoho...						0.033	0.026	0.032	0.032	0.030	0.031	0.031	0.030	0.027	0.030	7.42
16)	TMP	Methyl t-butyl...	0.834	0.758	0.796	0.731	0.779	0.788	0.642	0.787	0.787	0.754	0.772	0.747	0.718	0.653	0.753	7.08
17)	TMP	trans-1,2-Dich...	0.479	0.374	0.316	0.295	0.312	0.306	0.249	0.299	0.309	0.291	0.296	0.288	0.281		0.315	17.99
18)	TMP	Diisopropyl et...				0.984	0.958	1.000	0.779	0.968	0.955	0.913	0.937	0.922	0.968		0.938	6.61
19)	TMP	1,1-Dichloroet...	0.625	0.576	0.562	0.531	0.549	0.568	0.466	0.562	0.556	0.535	0.547	0.528	0.514	0.463	0.541	7.78
20)	TMP	Ethyl t-butyl ...				0.351	0.327	0.345	0.288	0.352	0.348	0.326	0.343	0.330	0.324	0.292	0.330	6.69
21)	TMP	2,2-Dichloropr...				0.453	0.429	0.340	0.274	0.323	0.302	0.285	0.295	0.271	0.280	0.258	0.319	20.33
22)	TMP	cis-1,2-Dichlo...	0.445	0.374	0.336	0.315	0.316	0.325	0.266	0.350	0.317	0.315	0.318	0.307	0.300	0.270	0.325	13.57
23)	TMP	Chloroform				0.504	0.534	0.515	0.437	0.509	0.510	0.490	0.503	0.487	0.480	0.431	0.491	6.45
24)	TMP	2-Butanone (MEK)				0.176	0.146	0.138	0.114	0.127	0.125	0.121	0.130	0.128	0.122	0.110	0.131	13.91
25)	TMP	t-Amyl methyl ...				0.751	0.689	0.784	0.639	0.746	0.758	0.732	0.758	0.745	0.716	0.649	0.724	6.43
26)	TMP	1,2-Dichloroet...	0.882	0.632	0.498	0.436	0.427	0.427	0.350	0.420	0.415	0.398	0.397	0.395	0.377	0.339	0.457	31.03
27)	TMP	1,1,1-Trichlor...	0.472	0.468	0.460	0.445	0.455	0.473	0.388	0.471	0.469	0.453	0.461	0.455	0.439	0.394	0.450	6.03
28)	TMP	1,1-Dichloropr...				0.397	0.393	0.391	0.317	0.393	0.384	0.371	0.372	0.371	0.370	0.332	0.372	6.88
29)	TMP	Carbon tetrach...				0.360	0.463	0.403	0.344	0.394	0.399	0.389	0.402	0.400	0.390	0.350	0.390	8.22
30)	S	1,2-Dichloroet...	0.055	0.062	0.058	0.058	0.061	0.061	0.058	0.059	0.060	0.060	0.058	0.057	0.060	0.062	0.059	3.28
31)	TMP	Benzene	1.431	1.295	1.147	1.072	1.112	1.141	0.936	1.130	1.121	1.080	1.089	1.080	1.043	0.936	1.115	11.35
32)	TMP	Trichloroethene	0.458	0.402	0.347	0.314	0.316	0.327	0.268	0.322	0.323	0.307	0.310	0.310	0.301	0.271	0.327	15.14
33)	TMP	1,2-Dichloropr...				0.354	0.304	0.297	0.246	0.310	0.290	0.281	0.279	0.283	0.273	0.245	0.287	10.53
34)	TMP	Bromodichlorom...				0.351	0.413	0.329	0.294	0.365	0.352	0.345	0.357	0.362	0.352	0.318	0.349	8.60
35)	S	Toluene-d8	0.942	0.960	0.957	0.963	0.951	0.986	0.967	0.986	0.965	0.979	0.922	0.970	0.950	0.964	0.962	1.77
36)	TMP	Dibromomethane				0.202	0.180	0.170	0.148	0.165	0.167	0.165	0.165	0.165	0.158	0.143	0.166	9.44
37)	TMP	4-Methyl-2-pen...				0.043	0.042	0.042	0.035	0.042	0.043	0.042	0.041	0.043	0.040	0.037	0.041	6.28
38)	TMP	cis-1,3-Dichlo...				0.370	0.379	0.387	0.355	0.436	0.415	0.405	0.396	0.423	0.401	0.363	0.394	6.50
39)	I	Chlorobenzene-d5	----------	ISTD	----------													
40)	TMP	Toluene		2.310	1.423	1.103	0.960	0.943	0.761	0.894	0.901	0.874	0.880	0.920	0.846	0.780	1.046	39.72
41)	TMP	trans-1,3-Dich...				0.542	0.486	0.473	0.375	0.466	0.465	0.461	0.461	0.493	0.448	0.412	0.462	9.28
42)	TMP	1,1,2-Trichlor...				0.257	0.259	0.265	0.218	0.262	0.263	0.254	0.251	0.266	0.238	0.220	0.250	6.96
43)	TMP	2-Hexanone				0.305	0.235	0.261	0.212	0.247	0.250	0.238	0.230	0.245	0.211	0.195	0.239	12.27
44)	TMP	1,3-Dichloropr...				0.521	0.464	0.447	0.387	0.473	0.460	0.442	0.432	0.463	0.413	0.383	0.444	8.99
45)	TMP	Tetrachloroethene	0.754	0.653	0.490	0.395	0.378	0.384	0.319	0.369	0.378	0.362	0.361	0.378	0.349	0.326	0.421	30.30
46)	TMP	Dibromochlorom...				0.352	0.309	0.293	0.278	0.338	0.363	0.355	0.357	0.384	0.347	0.327	0.337	9.53
47)	TMP	1,2-Dibromoeth...		0.392	0.351	0.313	0.314	0.321	0.264	0.316	0.321	0.310	0.308	0.323	0.285	0.263	0.314	10.72
48)	TMP	Chlorobenzene				1.052	0.986	1.040	0.864	1.000	1.016	0.984	0.977	1.023	0.940	0.863	0.977	6.55
49)	TMP	Ethylbenzene	2.386	2.040	1.785	1.655	1.659	1.700	1.405	1.681	1.705	1.646	1.624	1.688	1.528	1.407	1.708	14.59
50)	TMP	1,1,1,2-Tetrac...				0.321	0.355	0.377	0.315	0.359	0.366	0.358	0.365	0.377	0.354	0.326	0.352	6.12
51)	TMP	m,p-Xylene	0.982	0.822	0.694	0.643	0.642	0.659	0.545	0.648	0.659	0.636	0.627	0.660	0.601	0.555	0.670	16.57
52)	TMP	o-Xylene	0.956	0.784	0.676	0.634	0.632	0.652	0.536	0.643	0.650	0.630	0.635	0.658	0.606	0.558	0.661	15.44
53)	TMP	Styrene				0.978	1.019	1.044	0.828	1.021	1.034	1.021	1.013	1.065	0.972	0.892	0.990	7.15
54)	TMP	Isopropylbenzene				1.732	1.654	1.720	1.388	1.617	1.660	1.594	1.631	1.695	1.568	1.443	1.609	6.76
55)	TMP	Bromoform				0.180	0.208	0.239	0.185	0.234	0.231	0.236	0.246	0.272	0.248	0.230	0.228	11.91
56)	I	1,4-Dichlorobenzen...	----------	ISTD	----------													
57)	S	4-Bromofluorob...	0.829	0.842	0.817	0.832	0.848	0.793	0.851	0.807	0.826	0.825	0.797	0.841	0.824	0.835	0.826	2.15
58)	TMP	n-Propylbenzene				3.476	3.332	3.199	2.758	3.259	3.318	3.188	3.148	3.365	3.109	2.838	3.181	6.83
59)	TMP	Bromobenzene				0.831	0.875	0.810	0.672	0.810	0.831	0.769	0.778	0.837	0.778	0.709	0.791	7.45
60)	TMP	1,3,5-Trimethy...				2.582	2.478	2.385	2.018	2.384	2.451	2.318	2.369	2.488	2.330	2.134	2.358	6.84
61)	TMP	1,1,2,2-Tetrac...				0.736	0.630	0.639	0.612	0.684	0.672	0.634	0.636	0.691	0.626	0.570	0.648	6.91
62)	TMP	1,2,3-Trichlor...				0.402	0.484	0.483	0.405	0.499	0.494	0.457	0.451	0.493	0.441	0.399	0.455#	8.52
63)	TMP	2-Chlorotoluene				2.170	1.954	1.890	1.657	1.949	1.950	1.848	1.858	1.969	1.814	1.663	1.884	7.70
64)	TMP	4-Chlorotoluene				2.256	2.215	2.255	1.948	2.296	2.305	2.158	2.151	2.309	2.141	1.933	2.179	6.08
65)	TMP	tert-Butylbenzene				2.211	2.086	2.105	1.778	2.140	2.211	2.073	2.133	2.285	2.167	1.981	2.106	6.44
66)	TMP	1,2,4-Trimethy...				2.585	2.506	2.417	2.027	2.440	2.494	2.411	2.475	2.634	2.460	2.243	2.427	6.86
67)	TMP	sec-Butylbenzene				3.177	3.134	3.095	2.592	3.147	3.209	3.051	3.106	3.322	3.139	2.871	3.077	6.33
68)	TMP	p-Isopropyltol...				2.801	2.602	2.616	2.288	2.654	2.766	2.662	2.718	2.907	2.732	2.509	2.660	6.14
69)	TMP	1,3-Dichlorobe...				1.559	1.505	1.516	1.300	1.508	1.581	1.483	1.475	1.601	1.473	1.352	1.487	6.10
70)	TMP	1,4-Dichlorobe...				1.653	1.566	1.474	1.214	1.459	1.509	1.420	1.412	1.528	1.416	1.290	1.449	8.45
71)	TMP	1,2-Dichlorobe...				1.536	1.567	1.465	1.255	1.504	1.518	1.443	1.443	1.533	1.425	1.300	1.454	6.78
72)	TMP	1,2-Dibromo-3-...						0.139	0.100	0.114	0.112	0.110	0.116	0.128	0.119	0.111	0.116	9.69
73)	TMP	1,2,4-Trichlor...				1.177	1.131	1.046	0.907	1.117	1.140	1.065	1.120	1.195	1.151	1.061	1.101	7.25
74)	TMP	Hexachlorobuta...				0.625	0.598	0.602	0.522	0.619	0.639	0.588	0.612	0.651	0.630	0.587	0.607	5.71
75)	TMP	Naphthalene				2.085	2.133	2.076	1.690	2.110	2.125	2.063	2.213	2.350	2.263	2.076	2.108	7.85
76)	TMP	1,2,3-Trichlor...				1.049	1.017	0.962	0.824	0.982	1.001	0.958	1.015	1.066	1.031	0.943	0.986	6.71

(#) = Out of Range

Compound List Report GCMS11

Method Path : P:\METHODS\Inst11\
Method File : VB080822ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Aug 10 13:56:13 2022
Response Via : Initial Calibration

Total Cpnds : 76

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.62	1.000	A	1	A	B
2	T	Ethanol	45	1.89	0.410	A	1	A	B
3	S	Dibromofluoromethane	113	4.07	0.881	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.09	0.235	A	1	A	B
5	T	Chloromethane	50	1.22	0.264	A	1	A	B
6	T	Vinyl chloride	-62	1.29	0.280	A	1	A	B
7	T	Bromomethane	94	1.52	0.330	A	1	A	B
8	T	Chloroethane	-64	1.58	0.342	A	1	A	B
9	T	Trichlorofluoromethane	101	1.78	0.386	A	1	A	B
10	T	2-Propanol	45	2.39	0.518	A	1	A	B
11	T	Acetone	58	2.25	0.488	Q	1	A	B
12	T	1,1-Dichloroethene	-96	2.19	0.473	A	2	A	B
13	T	Hexane	57	3.04	0.658	A	2	A	B
14	T	Methylene chloride	84	2.60	0.563	Q	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.73	0.590	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	-73	2.83	0.613	A	1	A	B
17	T	trans-1,2-Dichloroethene	-96	2.82	0.611	L	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.23	0.701	A	3	A	B
19	T	1,1-Dichloroethane	-63	3.17	0.688	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.54	0.767	A	3	A	B
21	T	2,2-Dichloropropane	77	3.66	0.792	Q	1	A	B
22	T	cis-1,2-Dichloroethene	-96	3.66	0.793	L	2	A	B
23	T	Chloroform	83	3.94	0.853	A	1	A	B
24	T	2-Butanone (MEK)	43	3.70	0.801	L	2	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.49	0.972	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	-62	4.41	0.955	L	1	A	B
27	T	1,1,1-Trichloroethane	-97	4.07	0.882	A	2	A	B
28	T	1,1-Dichloropropene	75	4.21	0.911	A	2	A	B
29	T	Carbon tetrachloride	117	4.21	0.911	A	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.35	0.942	A	1	A	B
31	T	Benzene	-78	4.38	0.950	L	1	A	B
32	T	Trichloroethene	-95	4.93	1.067	L	3	A	B
33	T	1,2-Dichloropropane	63	5.13	1.111	A	1	A	B
34	T	Bromodichloromethane	83	5.37	1.162	A	2	A	B
35	S	Toluene-d8	98	5.98	1.296	A	1	A	B
36	T	Dibromomethane	93	5.23	1.133	A	2	A	B
37	T	4-Methyl-2-pentanone	85	5.91	1.279	A	2	A	B
38	T	cis-1,3-Dichloropropene	75	5.75	1.246	A	2	A	B
39	I	Chlorobenzene-d5	117	7.27	1.000	A	1	A	B
40	T	Toluene	-92	6.03	0.829	L	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.25	0.859	A	2	A	B
42	T	1,1,2-Trichloroethane	-83	6.40	0.881	A	2	A	B
43	T	2-Hexanone	43	6.64	0.913	A	3	A	B
44	T	1,3-Dichloropropane	76	6.55	0.902	A	1	A	B
45	T	Tetrachloroethene	-164	6.51	0.896	L	3	A	B
46	T	Dibromochloromethane	129	6.75	0.929	A	1	A	B
47	T	1,2-Dibromoethane (EDB)	-107	6.85	0.943	A	2	A	B
48	T	Chlorobenzene	112	7.30	1.004	A	2	A	B
49	T	Ethylbenzene	-91	7.40	1.018	L	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.38	1.015	A	2	A	B
51	T	m,p-Xylene	-106	7.52	1.034	L	1	A	B
52	T	o-Xylene	-106	7.88	1.084	L	1	A	B
53	T	Styrene	104	7.90	1.086	A	1	A	B
54	T	Isopropylbenzene	105	8.23	1.133	A	1	A	B
55	T	Bromoform	173	8.07	1.110	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.48	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.38	0.883	A	2	A	B
58	T	n-Propylbenzene	91	8.63	0.910	A	1	A	B
59	T	Bromobenzene	156	8.52	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.80	0.928	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.54	0.900	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.57	0.904	A	3	A	R
63	T	2-Chlorotoluene	91	8.70	0.918	A	1	A	B
64	T	4-Chlorotoluene	91	8.81	0.929	A	1	A	B
65	T	tert-Butylbenzene	119	9.11	0.960	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.16	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.32	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.47	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.42	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.51	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	9.87	1.041	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.64	1.122	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.44	1.207	A	2	A	B
74	T	Hexachlorobutadiene	225	11.61	1.225	A	2	A	B
75	T	Naphthalene	128	11.69	1.232	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	11.92	1.257	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

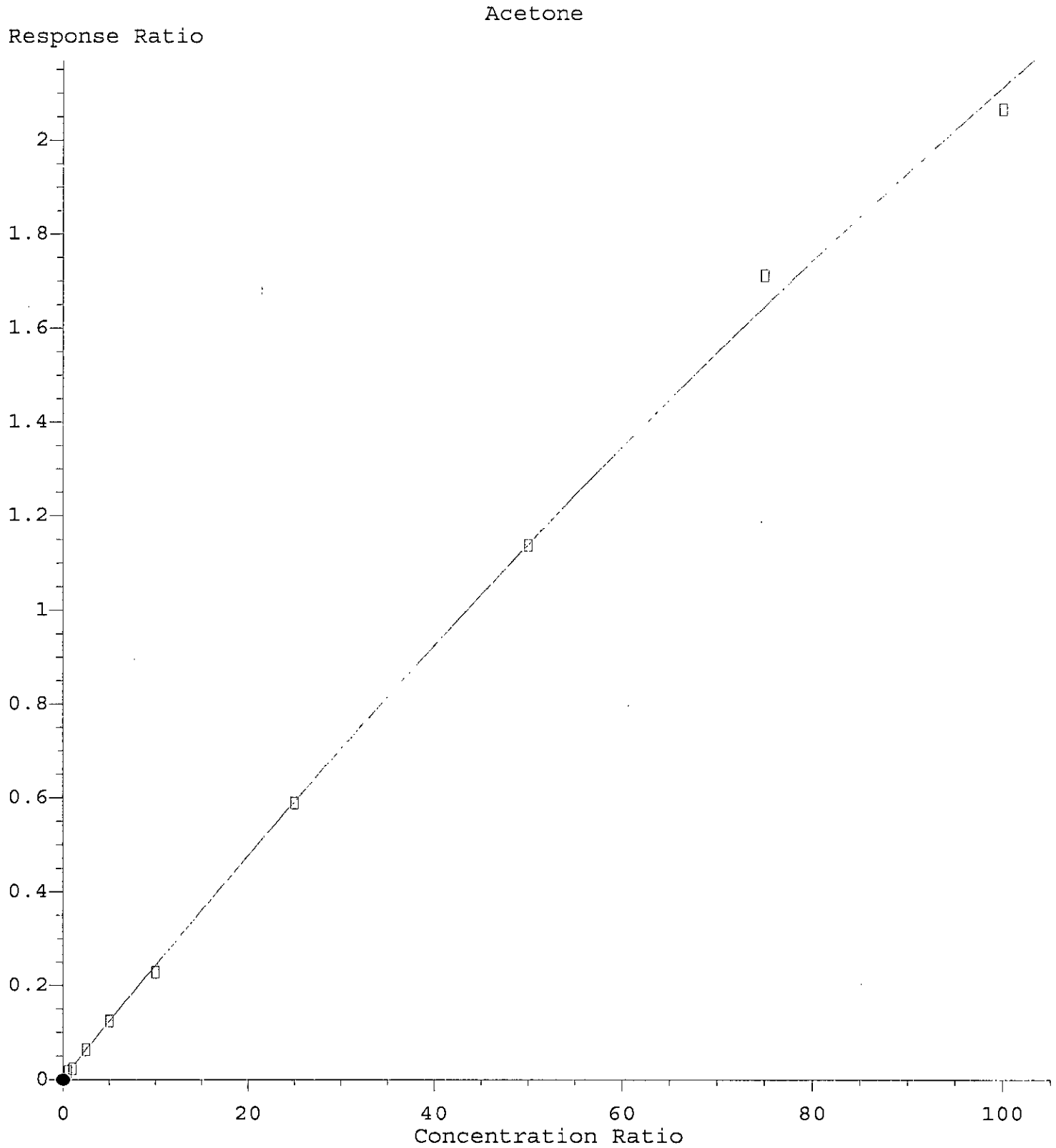
VB080822ms11.M Wed Aug 10 14:33:45 2022

Calibration Status Report GCMS11

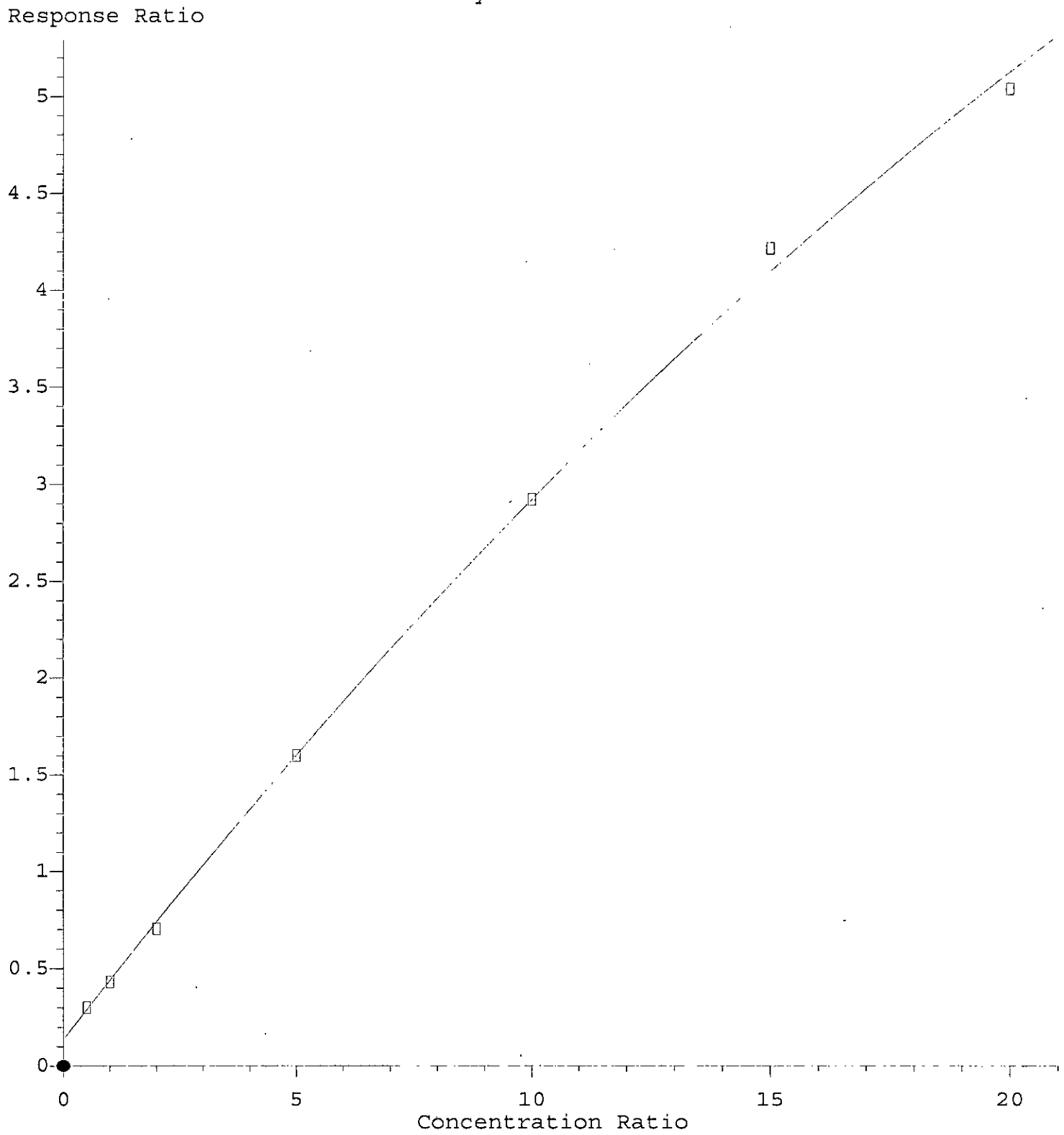
Method Path : P:\METHODS\Inst11\
Method File : VB080822ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Aug 10 13:56:13 2022
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.02	0	10	P:\Proc_GCMS11\08-08-22\080827.D
2	0.04	0	10	P:\Proc_GCMS11\08-08-22\080828.D
3	0.1	0	10	P:\Proc_GCMS11\08-08-22\080829.D
4	0.2	0	10	P:\Proc_GCMS11\08-08-22\080830.D
5	0.5	1	10	P:\Proc_GCMS11\08-08-22\080831.D
6	1	1	10	P:\Proc_GCMS11\08-08-22\080832.D
7	2	2	10	P:\Proc_GCMS11\08-08-22\080833.D
8	5	5	10	P:\Proc_GCMS11\08-08-22\080834.D
9	10	10	10	P:\Proc_GCMS11\08-08-22\080835.D
10	20	20	10	P:\Proc_GCMS11\08-08-22\080836.D
11	50	50	10	P:\Proc_GCMS11\08-08-22\080837.D
12	100	100	10	P:\Proc_GCMS11\08-08-22\080838.D
13	150	150	10	P:\Proc_GCMS11\08-08-22\080839.D
14	200	200	10	P:\Proc_GCMS11\08-08-22\080840.D

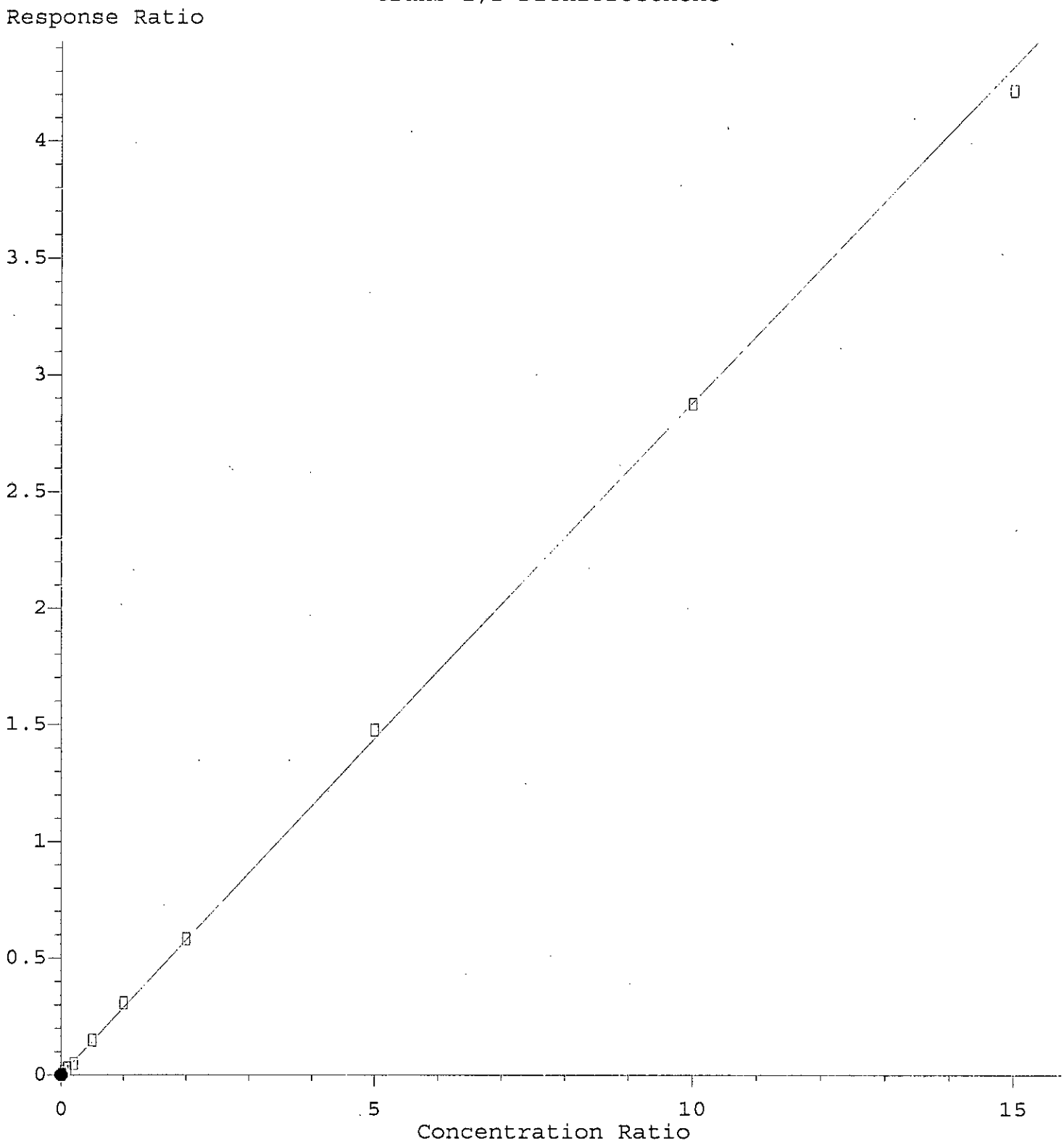
#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Aug 09 09:39 2022	Aug 09 09:27 2022	08 Aug 2022 06:26 pm
2	0.04	Aug 09 09:39 2022	Aug 09 09:29 2022	08 Aug 2022 06:51 pm
3	0.1	Aug 09 09:39 2022	Aug 09 09:30 2022	08 Aug 2022 07:15 pm
4	0.2	Aug 09 09:39 2022	Aug 09 09:31 2022	08 Aug 2022 07:39 pm
5	0.5	Aug 09 09:39 2022	Aug 09 09:33 2022	08 Aug 2022 08:02 pm
6	1	Aug 09 09:39 2022	Aug 09 09:35 2022	08 Aug 2022 08:25 pm
7	2	Aug 09 09:39 2022	Aug 09 09:36 2022	08 Aug 2022 08:48 pm
8	5	Aug 09 09:39 2022	Aug 09 09:38 2022	08 Aug 2022 09:12 pm
9	10	Aug 09 09:52 2022	Aug 09 09:58 2022	08 Aug 2022 09:34 pm
10	20	Aug 09 09:39 2022	Aug 09 09:40 2022	08 Aug 2022 09:57 pm
11	50	Aug 09 09:39 2022	Aug 09 09:25 2022	08 Aug 2022 10:20 pm
12	100	Aug 09 09:39 2022	Aug 09 09:25 2022	08 Aug 2022 10:42 pm
13	150	Aug 09 09:39 2022	Aug 09 09:43 2022	08 Aug 2022 11:05 pm
14	200	Aug 09 09:39 2022	Aug 09 09:25 2022	08 Aug 2022 11:27 pm



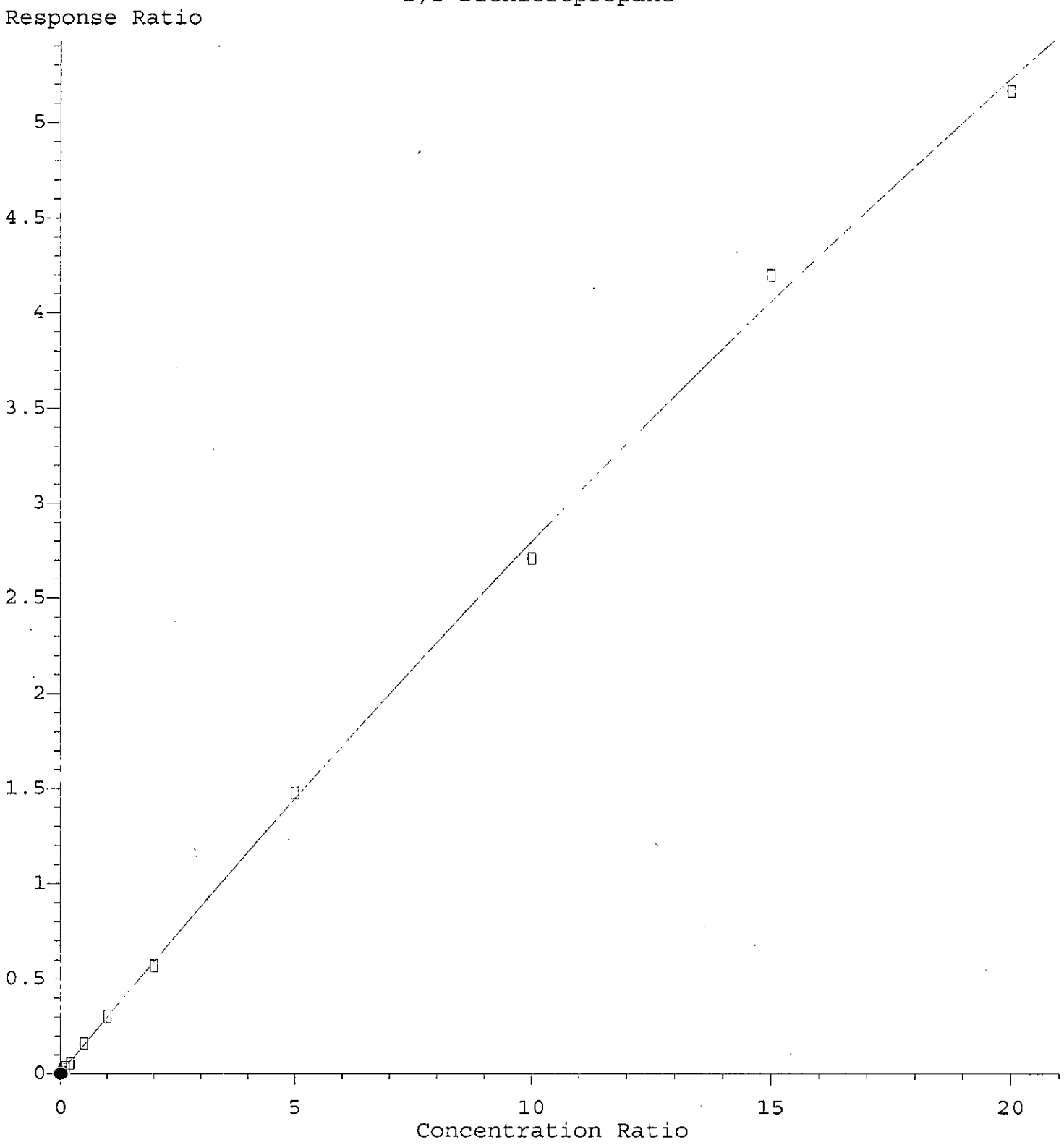
R = -3.21e-005 A*A + 2.43e-002 A + 3.22e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



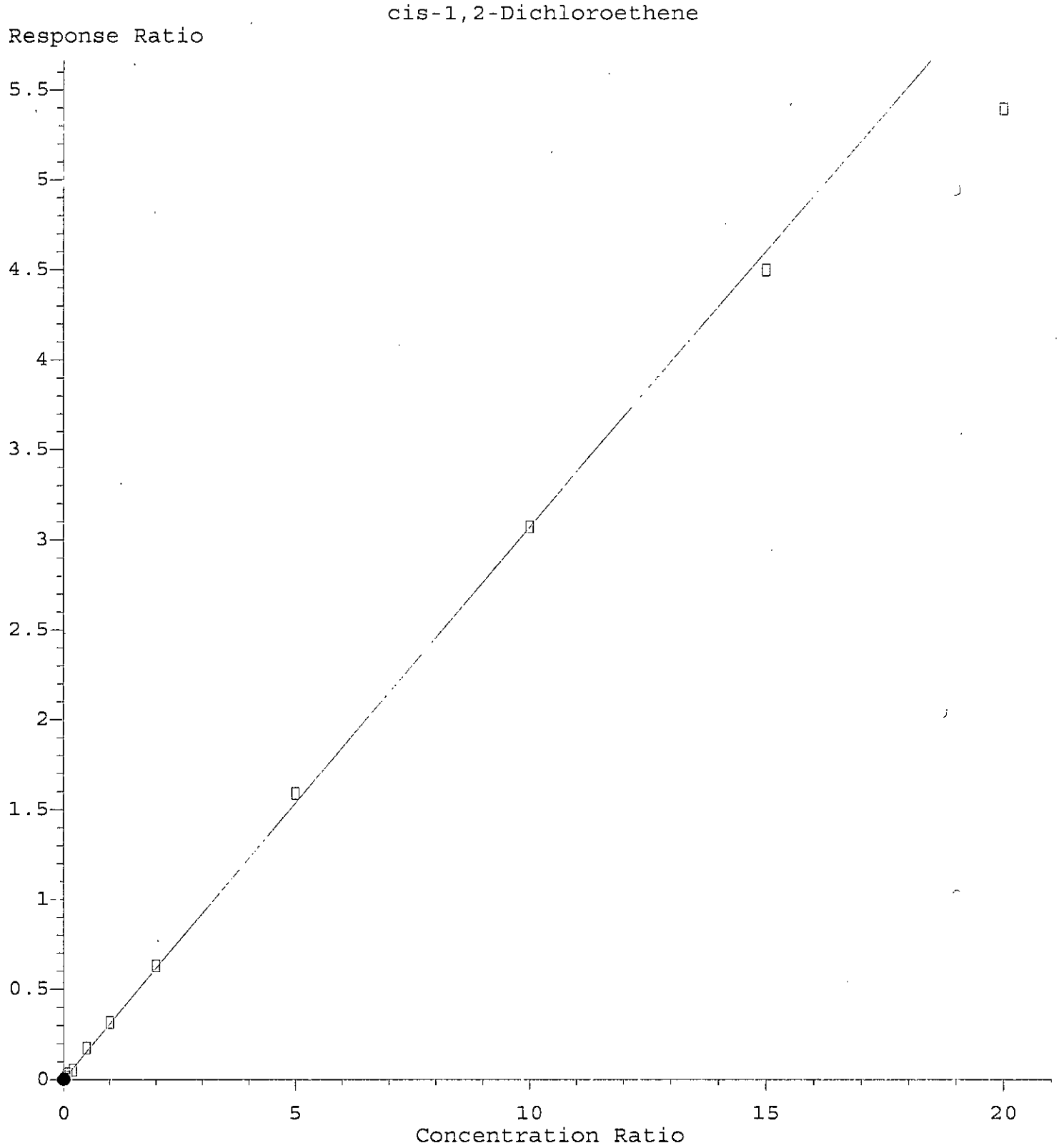
R = -2.91e-003 A*A + 3.08e-001 A + 1.36e-001
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



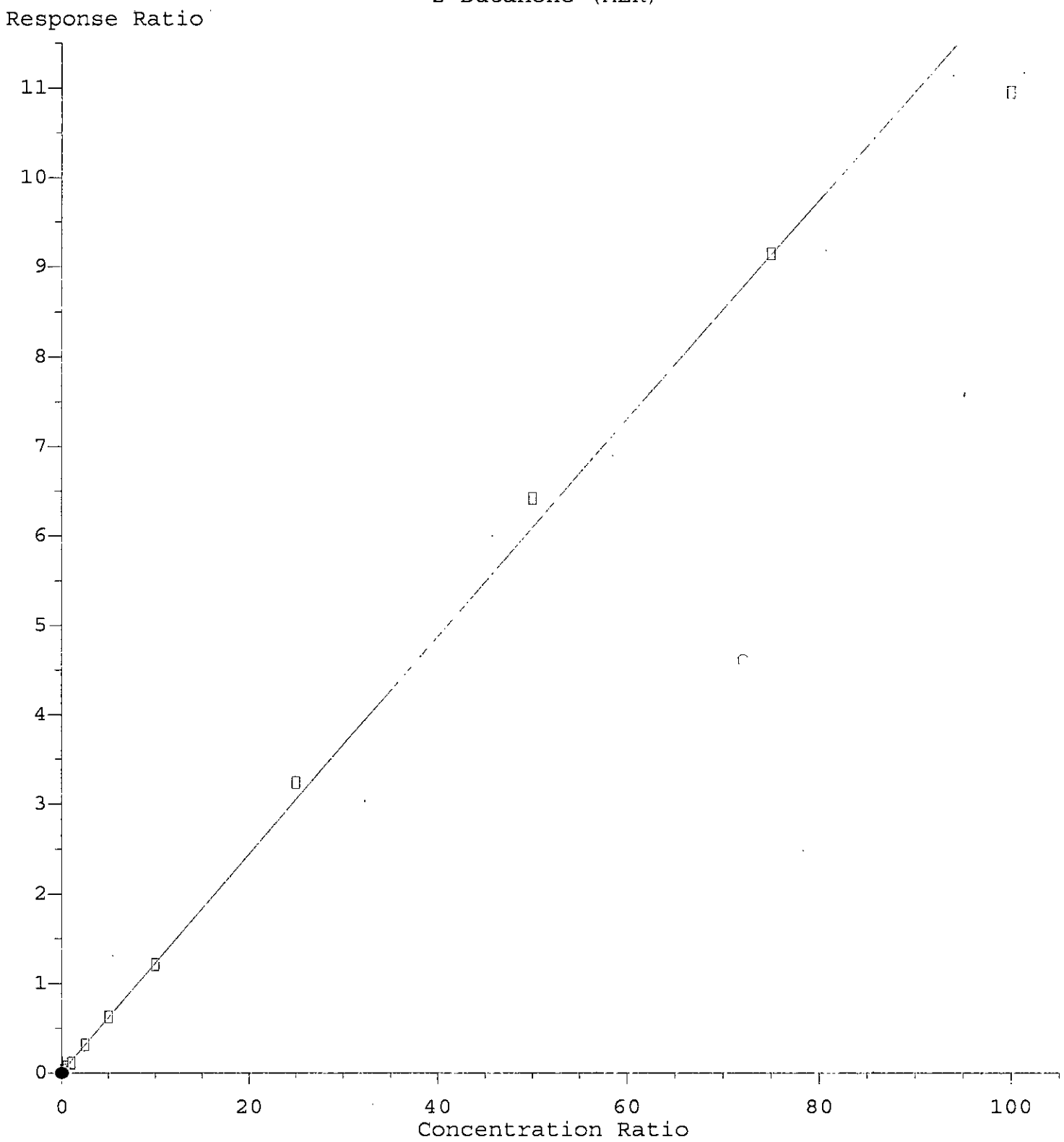
Response = 2.88e-001 * Amt + 3.70e-004
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



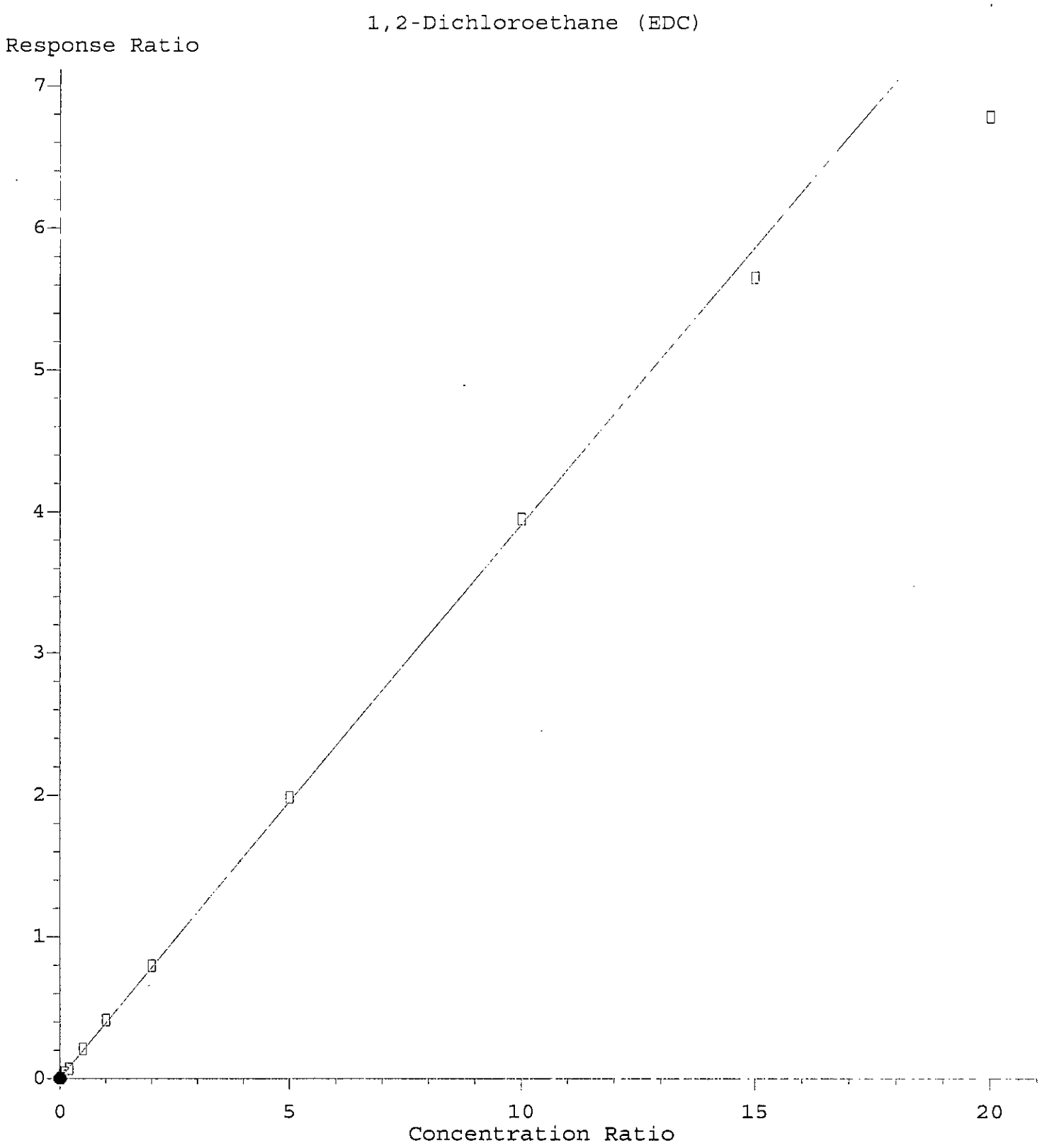
R = -1.80e-003 A*A + 2.97e-001 A + 3.78e-003
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



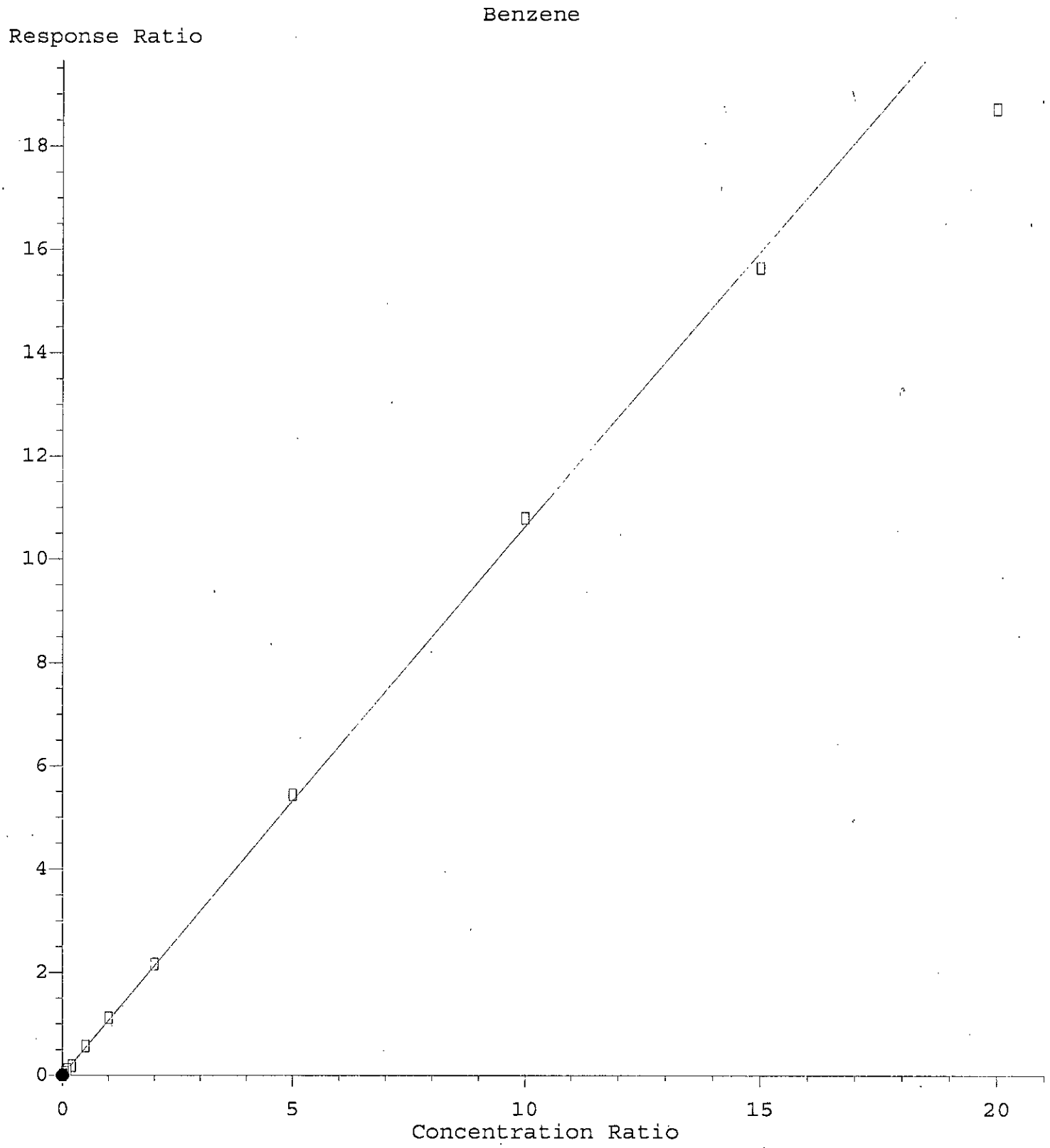
Response = 3.07e-001 * Amt + 2.74e-004
Coef of Det (r^2) = 0.995 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



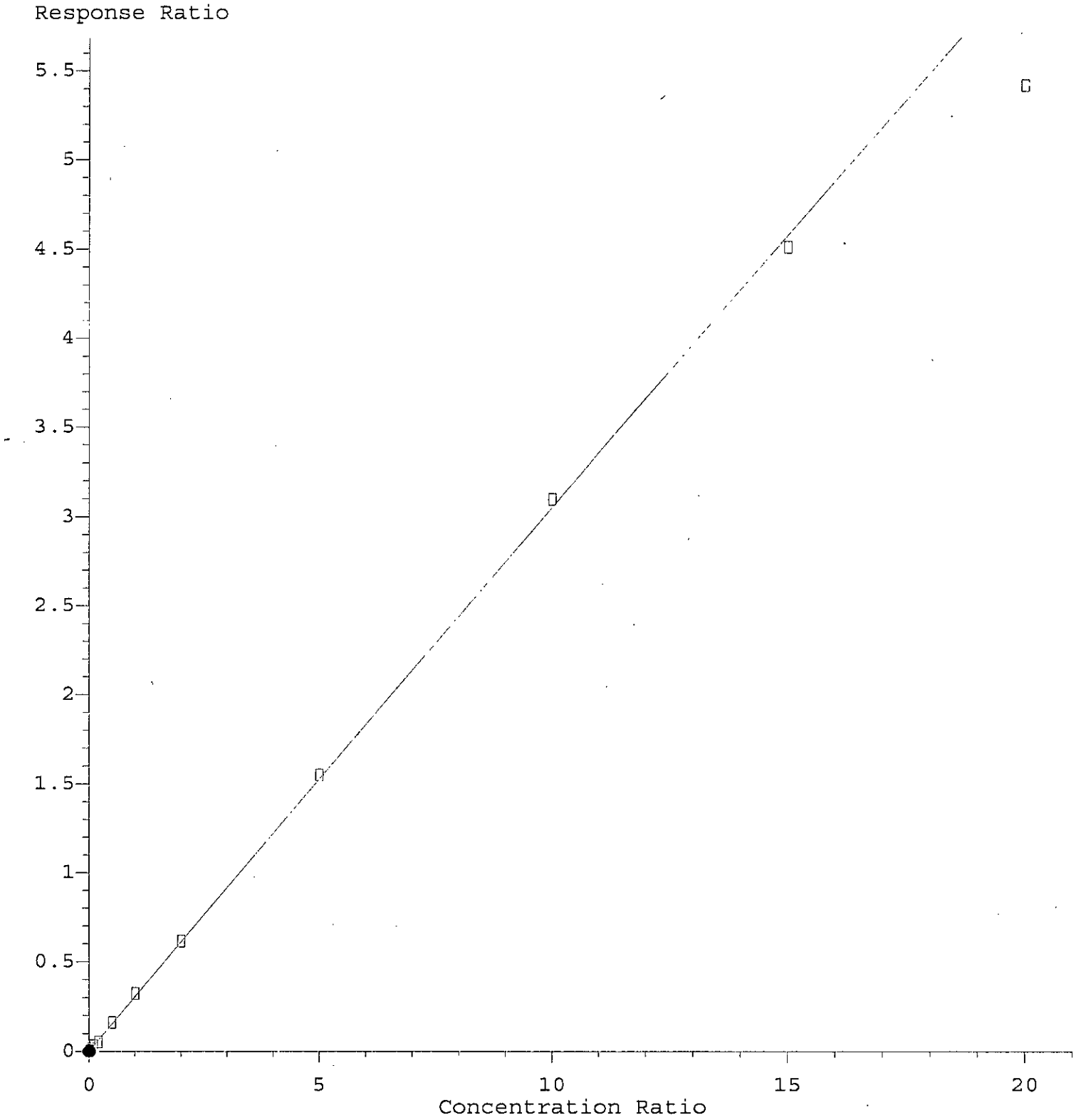
Response = 1.22e-001 * Amt + 5.51e-003
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



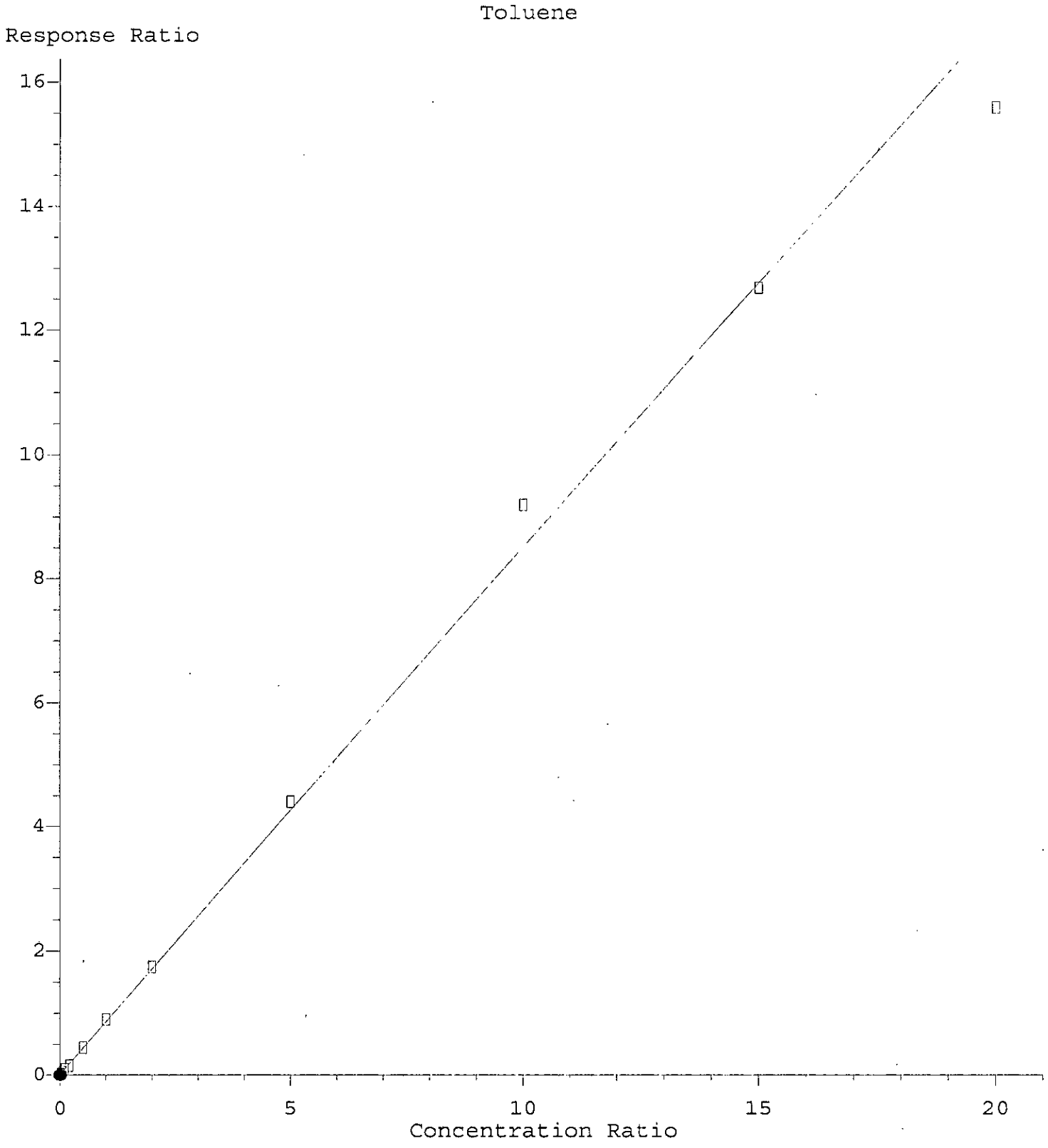
Response = 3.91e-001 * Amt + 9.83e-004
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



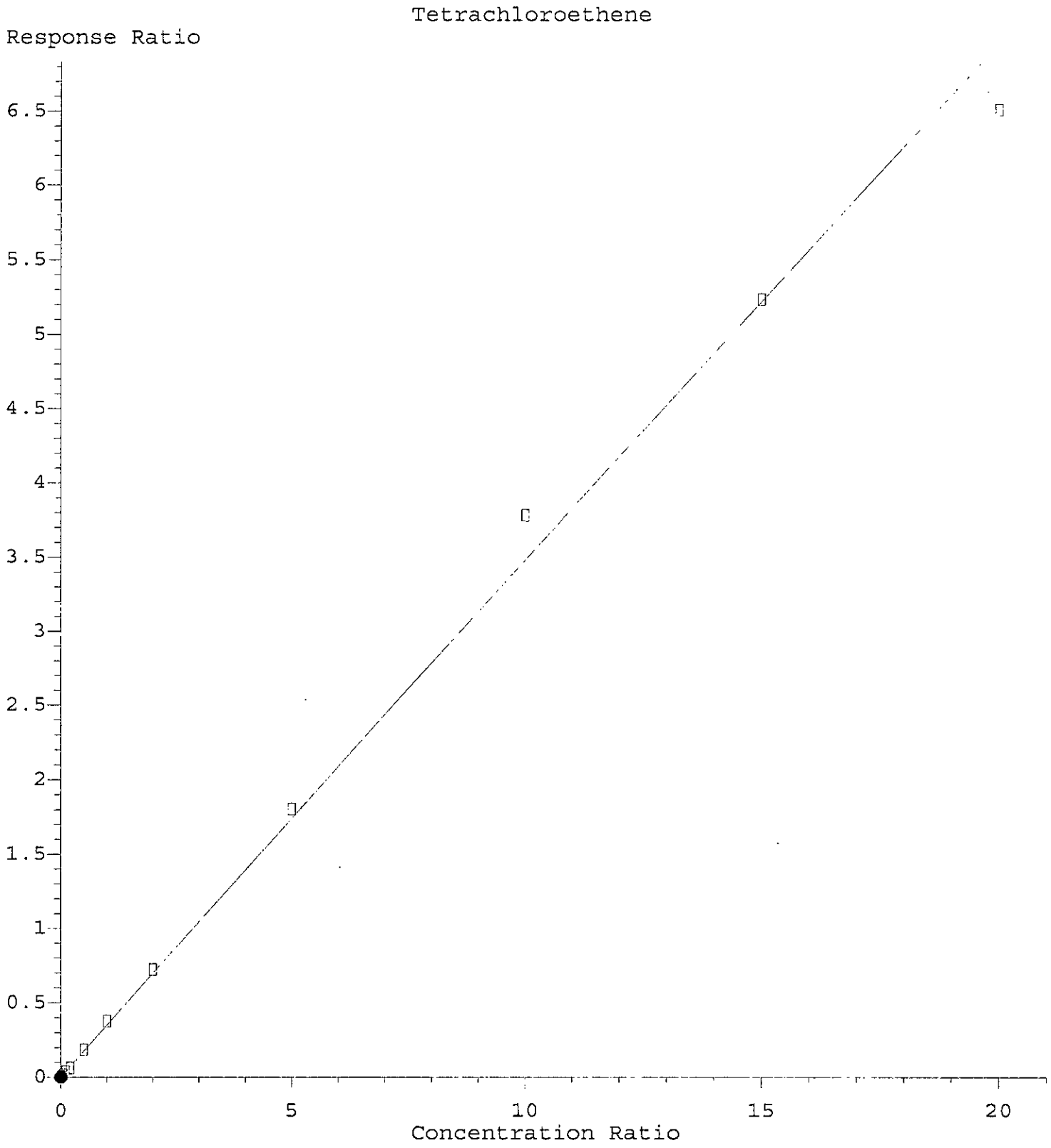
Response = 1.06e+000 * Amt + 7.74e-004
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



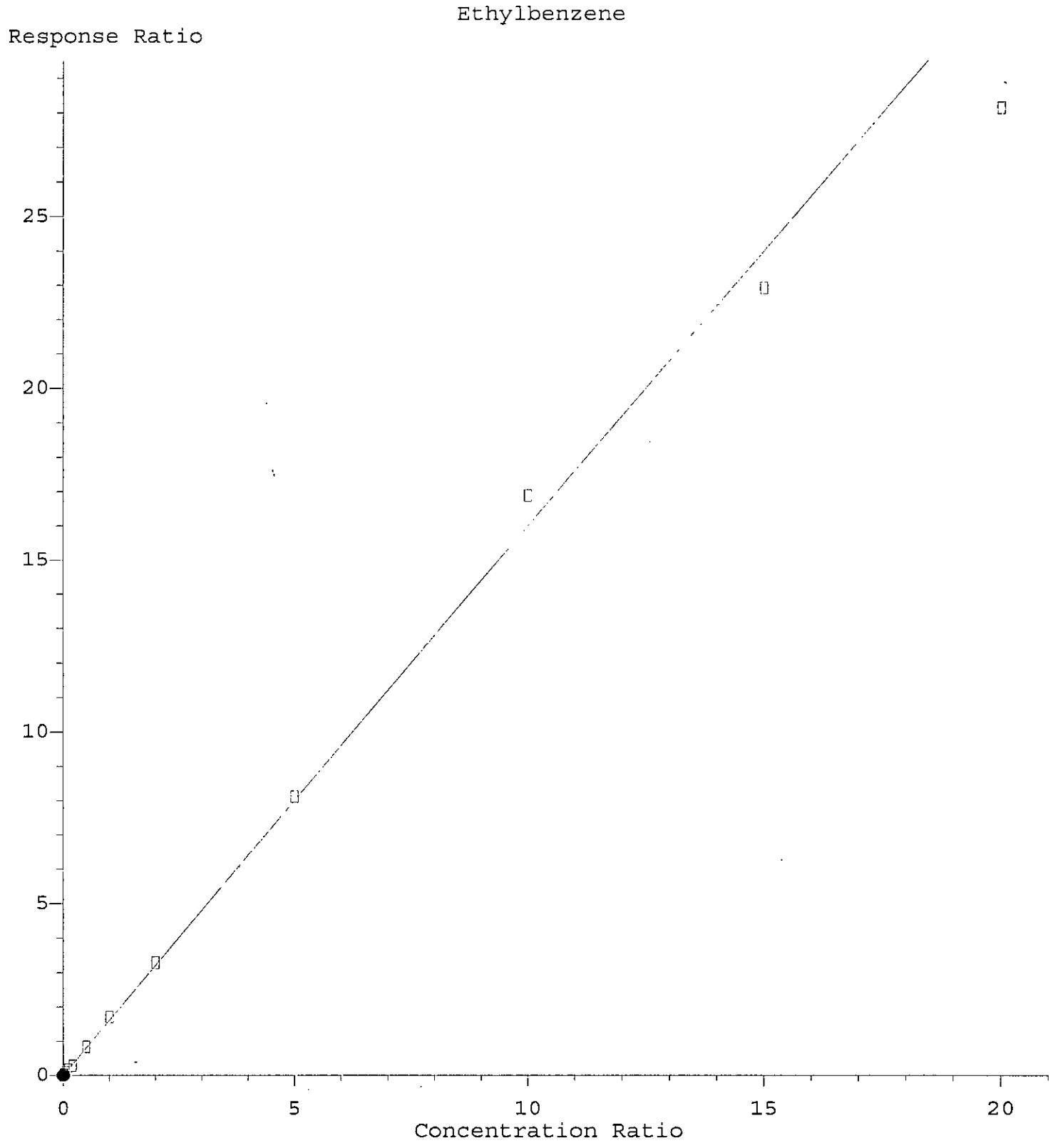
Response = 3.05e-001 * Amt + 3.25e-004
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



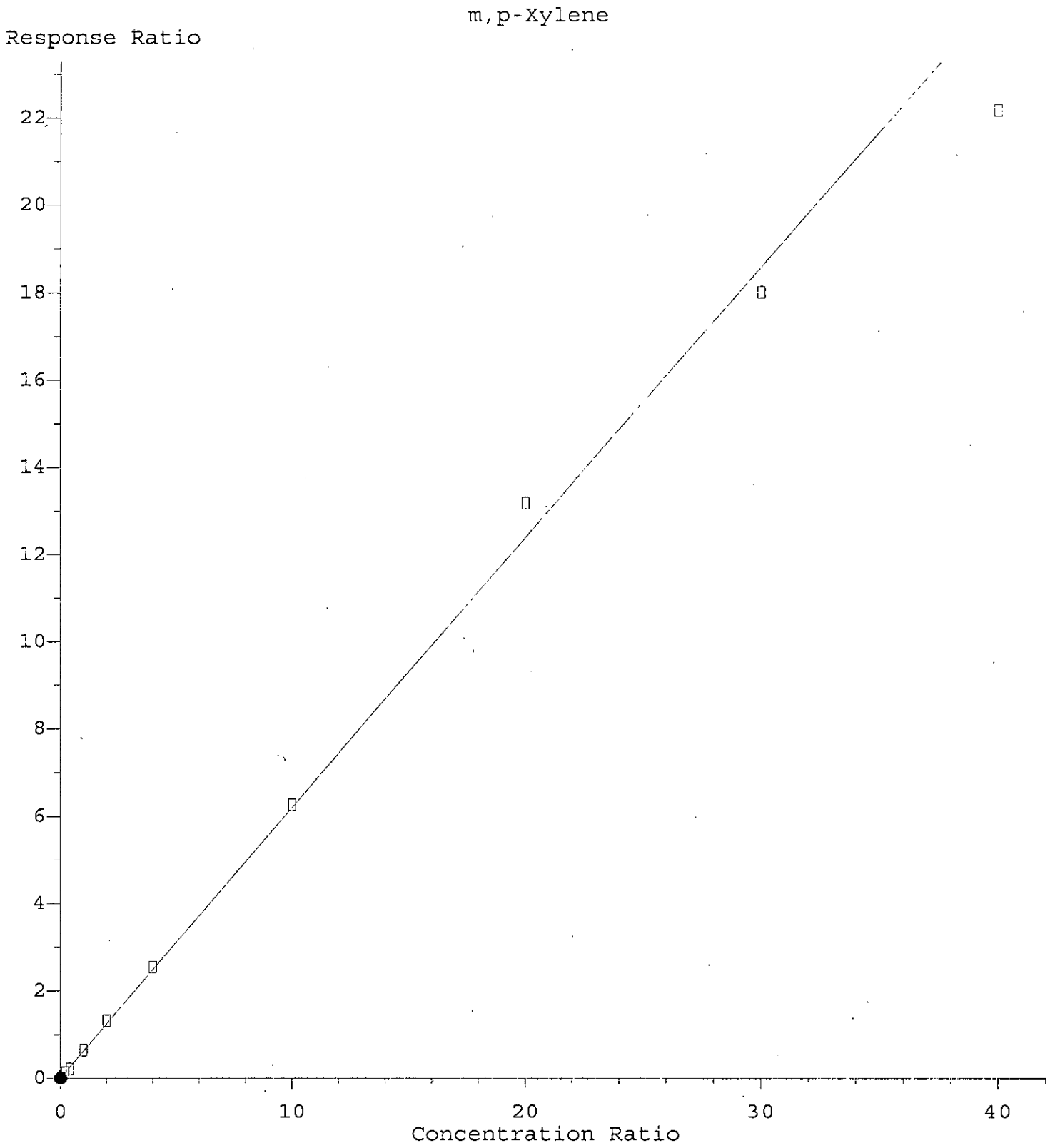
Response = 8.50e-001 * Amt + 5.80e-003
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



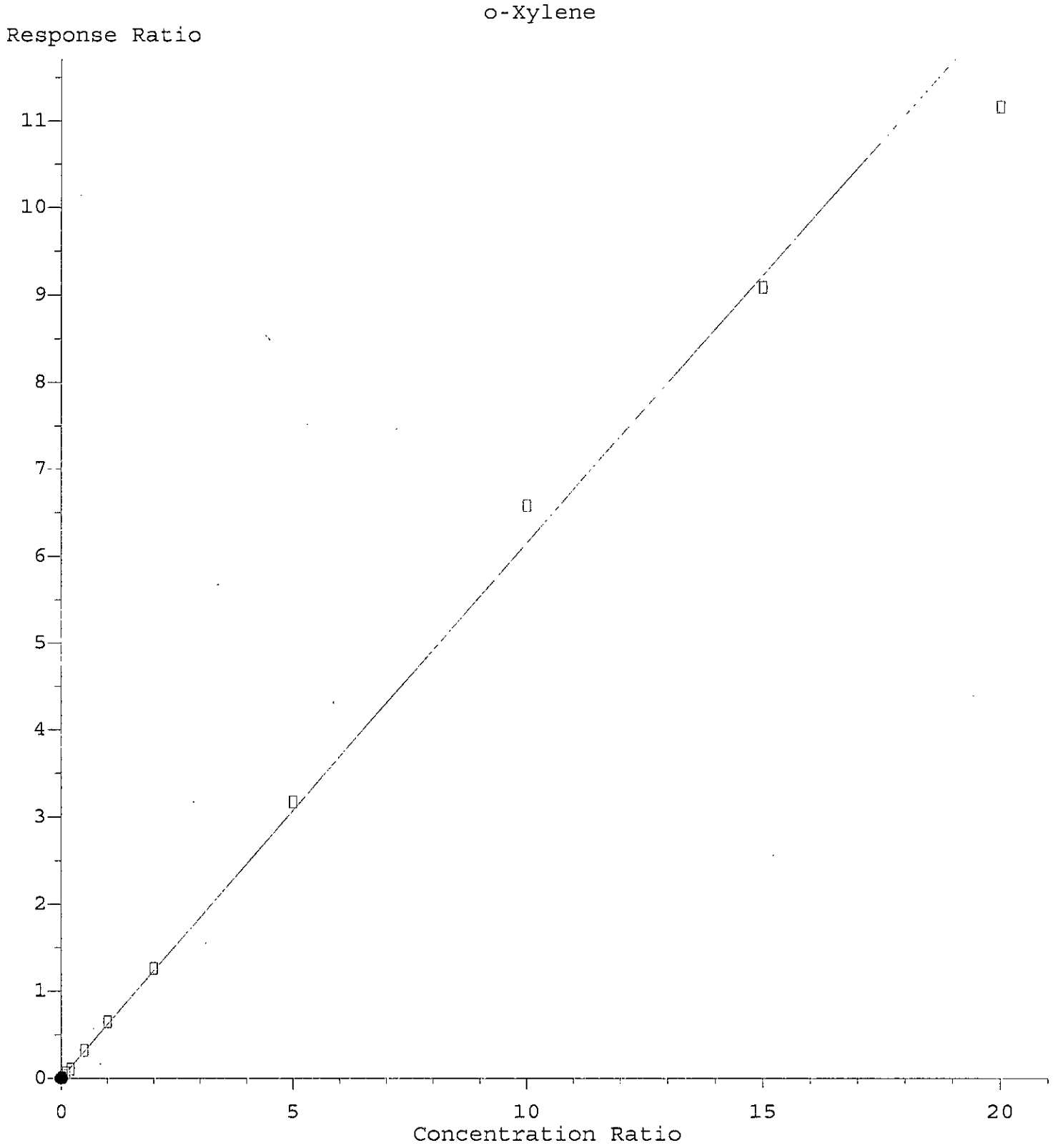
Response = 3.48e-001 * Amt + 1.09e-003
Coef of Det (r^2) = 0.997 Curve Fit: wlr(1/a)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



Response = 1.60e+000 * Amt + 1.62e-003
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



Response = 6.20e-001 * Amt + 1.48e-003
Coef of Det (r^2) = 0.996 Curve Fit: wlr(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022



Response = 6.15e-001 * Amt + 6.75e-004
Coef of Det (r^2) = 0.996 Curve Fit: w1r(1/a^2)
Method Name: P:\METHODS\Inst11\VB080822ms11.M
Calibration Table Last Updated: Wed Aug 10 13:56:13 2022

GC/MS ICAL Checklist

Instrument: GC/MS 11 Sequence Date: 08.08.22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ VM	08.10.22
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	✓

Notes: SCV high for Acetone and MEK

Attach this sheet to raw data package.

VM

AUG 10 2022

YA 08/11/22
Supervisor Initials and Date

GC/MS QA-QC Check Report

Tune File : P:\Proc_GCMS11\08-08-22\080822.D
Tune Time : 08 Aug 2022 04:18 pm

Daily Calibration File : P:\Proc_GCMS11\08-08-22\080835.D

		(DMF)	(DHL)	(TOL)	(BFB)	72235	55909	32282
File	Sample	Surrogate Recovery %				Internal Standard Responses		
080827.D	0.02 ppb 8	100	94	98	100	71976	57010	32180
080828.D	0.04 ppb 8	101	104	100	102	71599	55511	32294
080829.D	0.1 ppb 82	100	98	100	99	70256	55302	32633
080830.D	0.2 ppb 82	101	98	100	101	71982	56014	31937
080831.D	0.5 ppb 82	100	102	99	103	70227	55215	31503
080832.D	1 ppb 8260	101	103	103	96	68781	53981	31879
080833.D	2 ppb 8260	102	97	101	103	69482	54121	31221
080834.D	5 ppb 8260	102	100	102	98	69904	54991	31424
080835.D	10 ppb 826	100	102	100	100	72235	55909	32282
080836.D	20 ppb 826	99	101	102	100	70922	54822	32142
080837.D	50 ppb 826	100	98	96	96	67522	50873	29994
080838.D	100 ppb 82	93	96	101	102	68481	51301	29370
080839.D	150 ppb 82	101	101	99	100	68433	52899	30028
080840.D	200 ppb 82	99	105	100	101	69478	52550	30248
080841.D	rinse	103	98	96	103	69376	50592	28399
080842.D	10 ppb 826	104	101	97	100	68215	50991	29019

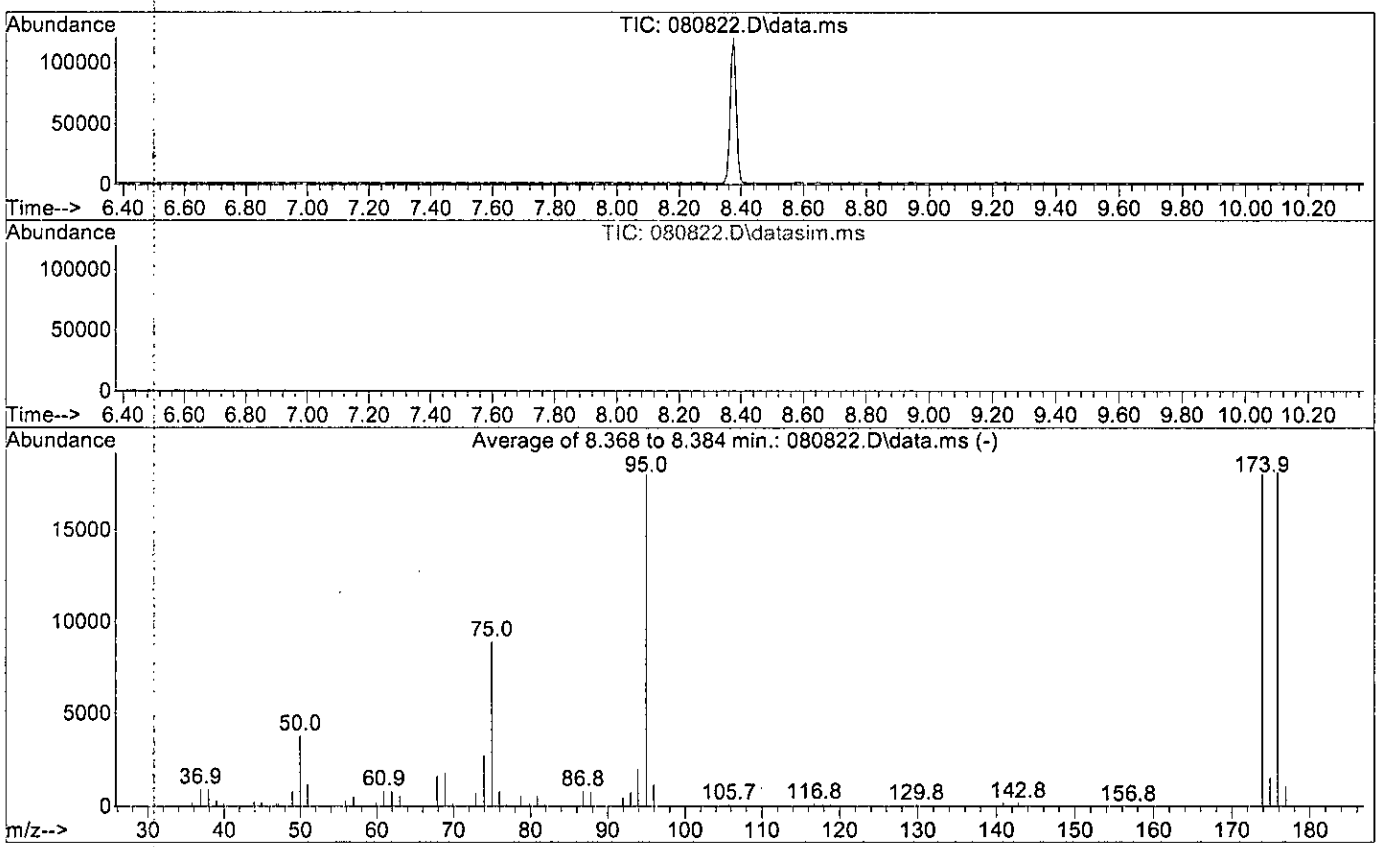
(fails) - fails 12hr time check * - fails criteria

Created: Wed Aug 10 14:32:43 2022 GCMS11

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080822.D
Acq On : 08 Aug 2022 04:18 pm
Operator : RF
Sample : 50 ng BFB 66-171A
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : P:\METHODS\Inst11\VB080822ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Mon Aug 08 08:52:55 2022



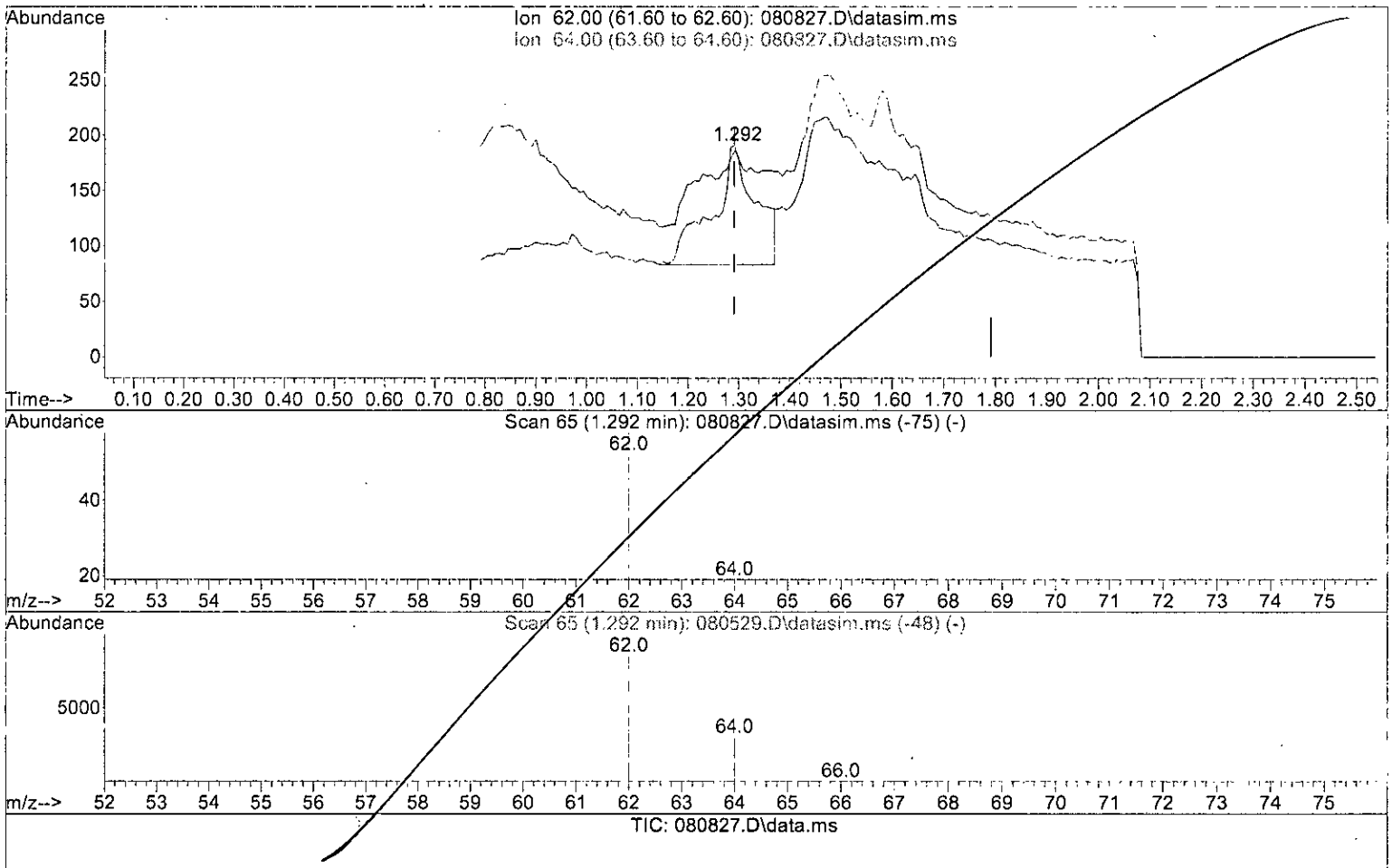
AutoFind: Scans 885, 886, 887; Background Corrected with Scan 879

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	99.6	18221	PASS
96	95	5	9	6.5	1178	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	100.4	18290	PASS
175	174	5	9	8.4	1544	PASS
176	174	95	105	99.4	18188	PASS
177	176	5	10	6.1	1101	PASS

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:02:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080827.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.112 ppb

response 642

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	63.89#
0.00	0.00	0.00
0.00	0.00	0.00

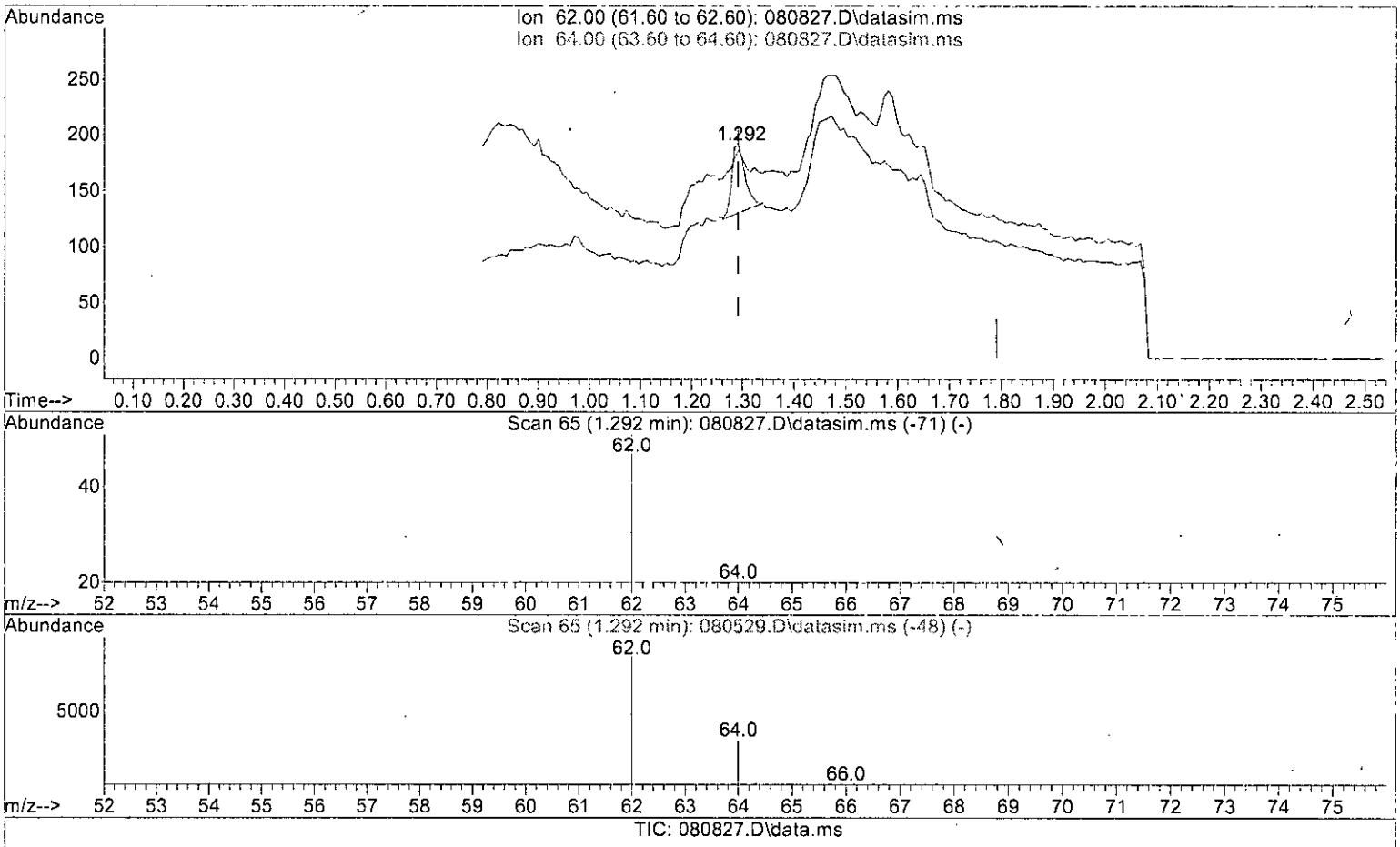
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080827.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.020 ppb m

response 115

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	97.38#
0.00	0.00	0.00
0.00	0.00	0.00

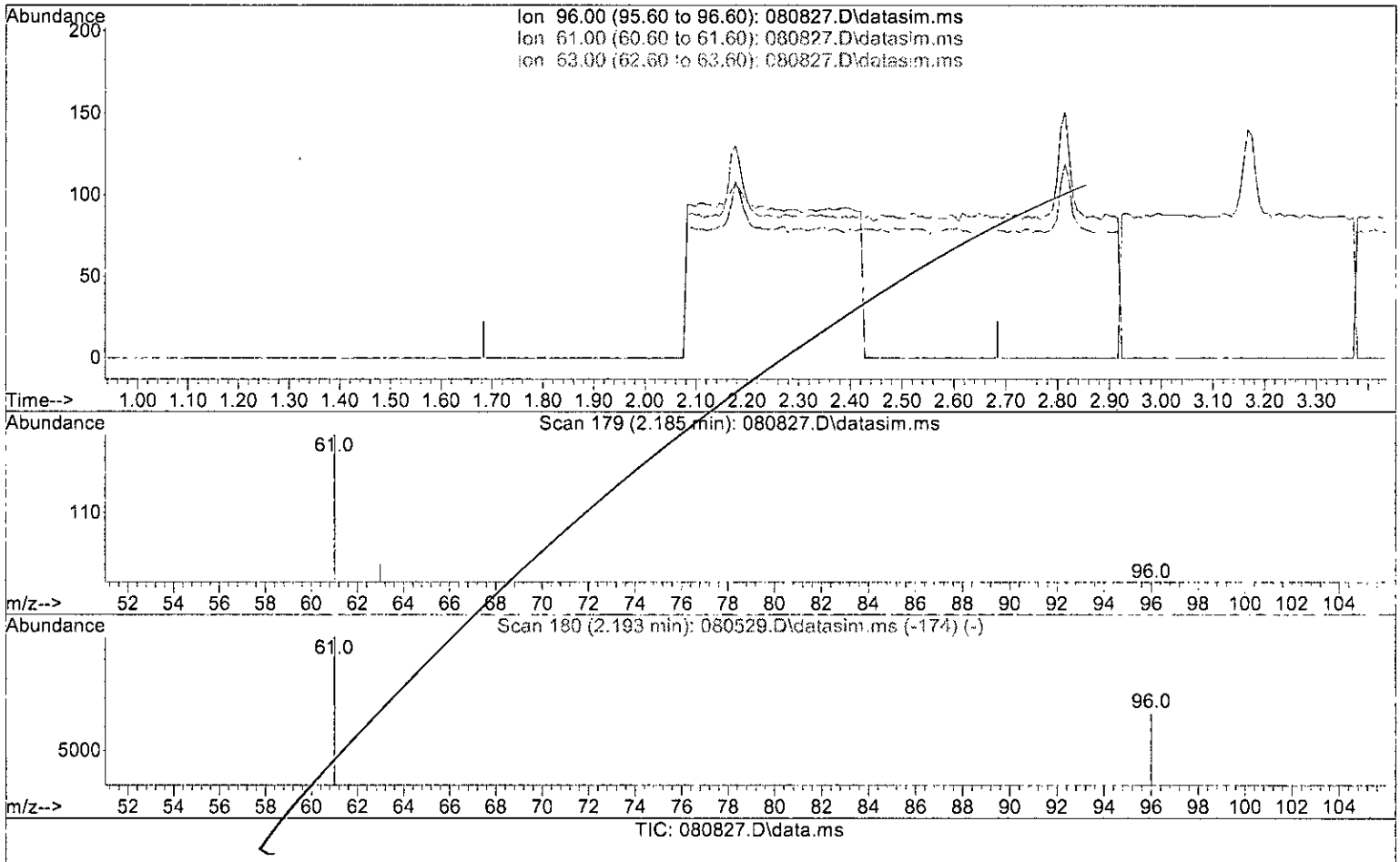
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:02:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



(12) 1,1-Dichloroethene (TMP)

2.185min (-2.185) 0.000 ppb

response 0

Ion	Exp%	Act%
96.00	100.00	0.00
61.00	160.40	0.00#
63.00	53.80	0.00#
0.00	0.00	0.00

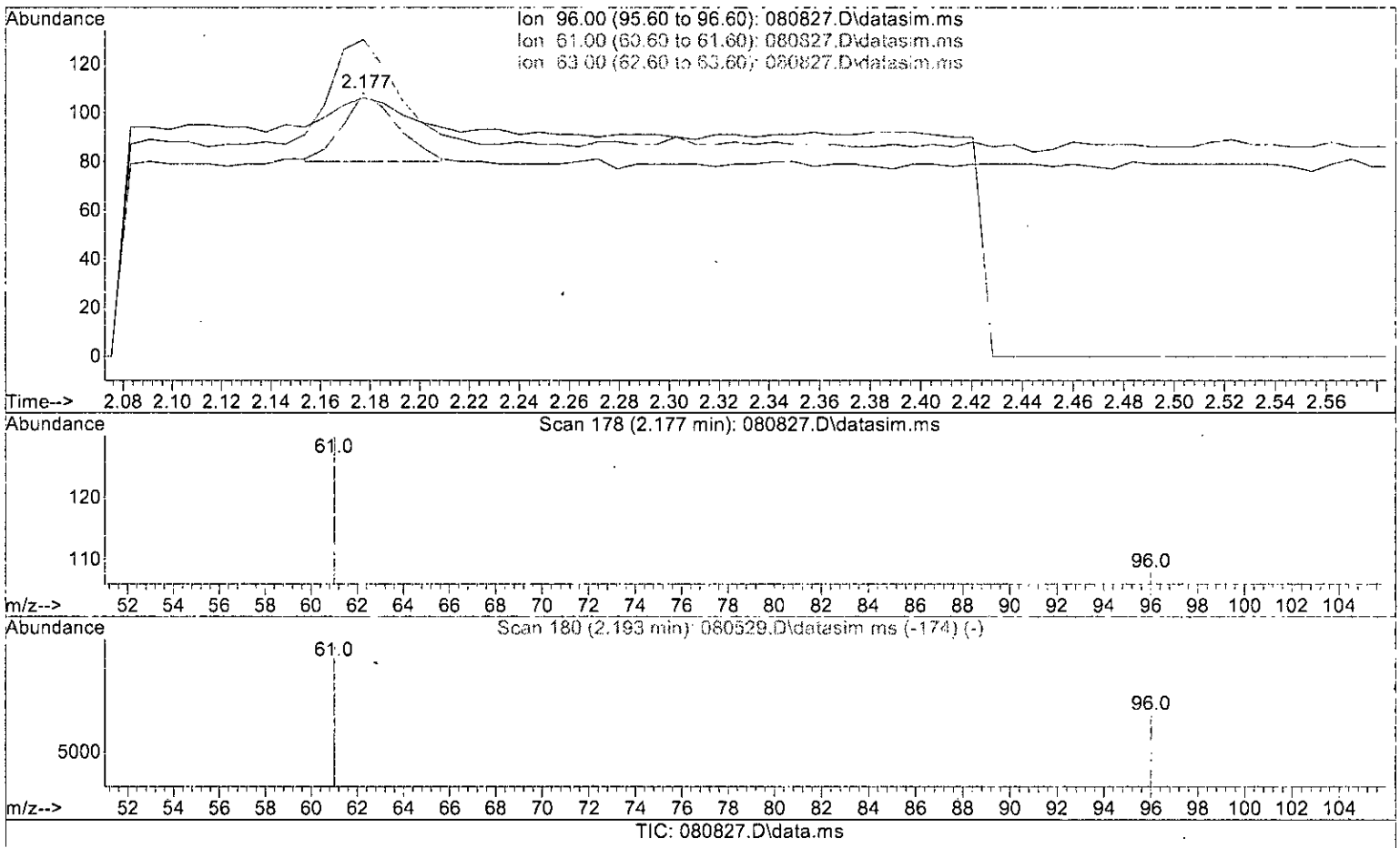
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:02:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080827.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.177min (-0.008) 0.021 ppb m

response 42

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	120.37#
63.00	53.80	98.15#
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	71976	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	57010	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32180	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19624	9.957	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.60%			
30) 1,2-Dichloroethane-d4	4.35	102	3993	9.357	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 93.60%			
35) Toluene-d8	5.97	98	67823	9.798	ppb	-0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 98.00%			
57) 4-Bromofluorobenzene	8.38	95	26675	10.032	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.30%			
Target Compounds						Qvalue
2) Ethanol	1.88	45	52	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.21	50	259	N.D.		
6] Vinyl chloride	1.29	62	115m	0.020	ppb	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	1.79	101	137	N.D.		
10) 2-Propanol	2.38	45	62	No Calib		
11) Acetone	2.25	58	337	N.D.		
12] 1,1-Dichloroethene	2.18	96	42m	0.021	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.83	73	120	0.022	ppb	94
17] trans-1,2-Dichloroethene	2.81	96	69	0.020	ppb	91
18) Diisopropyl ether (DIPE)	3.24	45	231	N.D.		
19] 1,1-Dichloroethane	3.17	63	90	0.023	ppb	98
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.64	77	227	Below Cal		48
22] cis-1,2-Dichloroethene	3.66	96	64	0.020	ppb	85
23) Chloroform	3.93	83	191	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	4.49	73	64	N.D.		
26] 1,2-Dichloroethane (EDC)	4.41	62	127	0.020	ppb	95
27] 1,1,1-Trichloroethane	4.07	97	68	0.021	ppb	91

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	0.00		0	N.D.			
29)	Carbon tetrachloride	0.00		0	N.D.			
31]	Benzene	4.38	78	206	0.020	ppb		96
32]	Trichloroethene	4.92	95	66	0.019	ppb		85
33)	1,2-Dichloropropane	5.21	63	57	N.D.			
34)	Bromodichloromethane	0.00		0	N.D.			
36)	Dibromomethane	0.00		0	N.D.			
37)	4-Methyl-2-pentanone	0.00		0	N.D.			
38)	cis-1,3-Dichloropropene	0.00		0	N.D.			
40)	Toluene	0.00		0	N.D.	d		
41)	trans-1,3-Dichloropropene	0.00		0	N.D.			
42)	1,1,2-Trichloroethane	0.00		0	N.D.			
43)	2-Hexanone	6.64	43	328	0.241	ppb	#	38
44)	1,3-Dichloropropane	0.00		0	N.D.			
45]	Tetrachloroethene	6.51	164	86	0.012	ppb		91
46)	Dibromochloromethane	0.00		0	N.D.			
47)	1,2-Dibromoethane (EDB)	0.00		0	N.D.	d		
48)	Chlorobenzene	7.30	112	164	N.D.			
49]	Ethylbenzene	7.40	91	272	0.020	ppb		98
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51]	m,p-Xylene	7.52	106	224	0.040	ppb		95
52]	o-Xylene	7.88	106	109	0.020	ppb		95
53)	Styrene	7.90	104	238	N.D.			
54)	Isopropylbenzene	8.23	105	274	N.D.			
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	8.63	91	385	N.D.			
59)	Bromobenzene	0.00		0	N.D.			
60)	1,3,5-Trimethylbenzene	8.80	105	288	N.D.			
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62)	1,2,3-Trichloropropane	0.00		0	N.D.	d		
63)	2-Chlorotoluene	8.81	91	274	N.D.			
64)	4-Chlorotoluene	8.81	91	274	N.D.			
65)	tert-Butylbenzene	9.10	119	171	N.D.			
66)	1,2,4-Trimethylbenzene	9.16	105	334	N.D.			
67)	sec-Butylbenzene	9.32	105	337	N.D.			
68)	p-Isopropyltoluene	9.46	119	266	N.D.			
69)	1,3-Dichlorobenzene	9.51	146	122	N.D.			
70)	1,4-Dichlorobenzene	9.51	146	122	N.D.			
71)	1,2-Dichlorobenzene	9.86	146	111	N.D.			
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	11.44	180	117	N.D.			

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

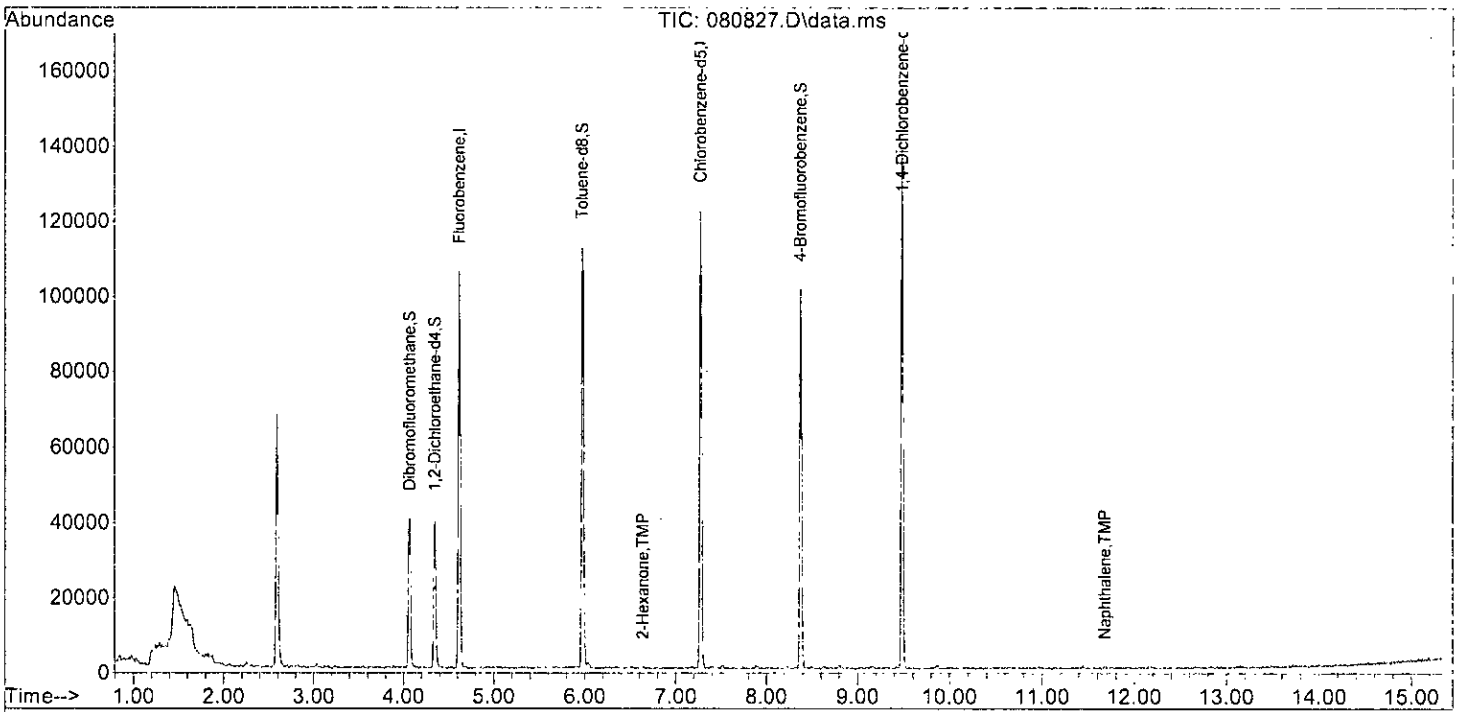
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	11.68	128	329	0.049	ppb	68
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

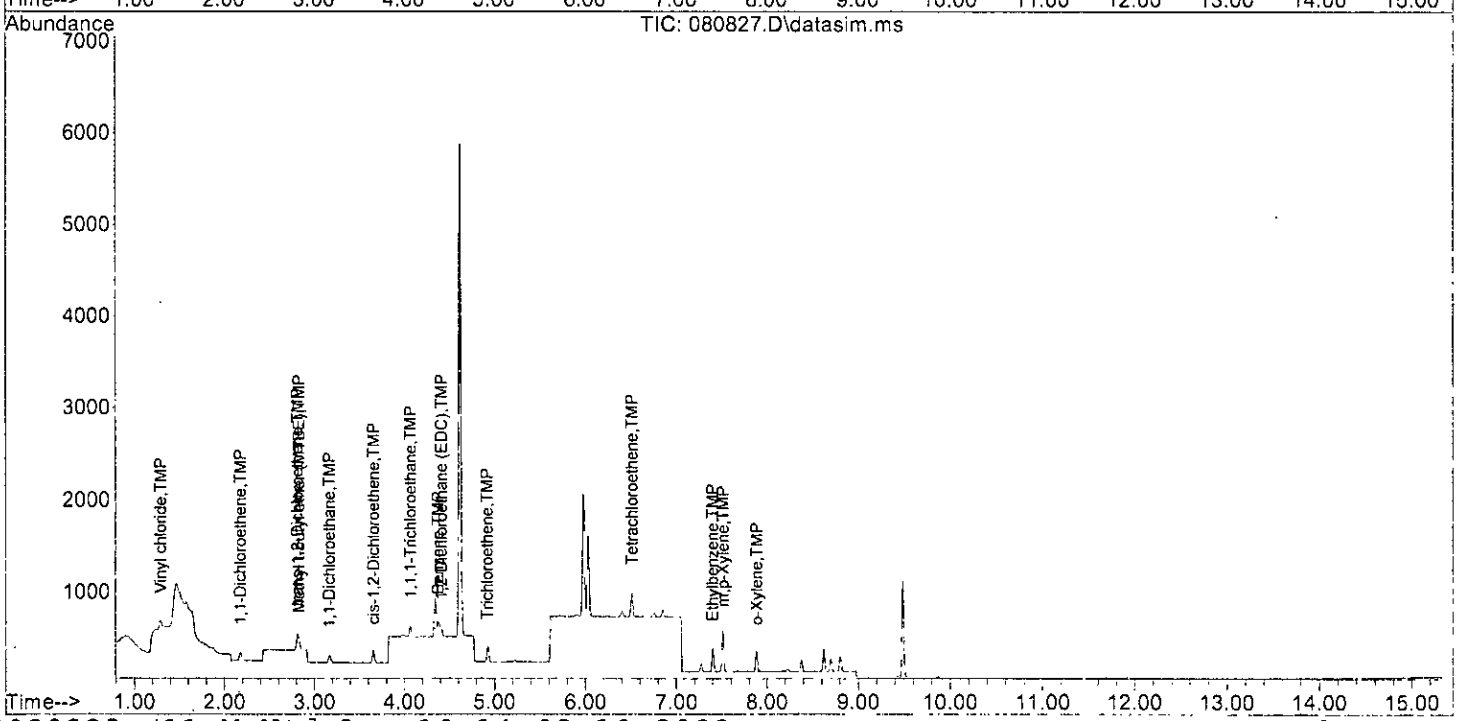
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
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DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.274	0.273	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.000#	100.0#	0#	-1.09#
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	0.00
6	TMP	Vinyl chloride	0.799	0.799	0.0	102	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	-1.52#
8	TMP	Chloroethane	0.404	0.000#	100.0#	0#	-1.58#
9	TMP	Trichlorofluoromethane	0.957	0.000#	100.0#	0#	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.000#	100.0#	0#	0.00
12	TMP	1,1-Dichloroethene	0.273	0.292	-7.0	91	0.00
13	TMP	Hexane	0.415	0.000#	100.0#	0#	-3.04#
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.834	-10.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.479	-52.1#	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.000#	100.0#	0#	0.00
19	TMP	1,1-Dichloroethane	0.541	0.625	-15.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.000#	100.0#	0#	-3.54#
21	TMP	2,2-Dichloropropane	0.319	0.000#	100.0#	0#	-0.02
22	TMP	cis-1,2-Dichloroethene	0.325	0.445	-36.9#	100	0.00
23	TMP	Chloroform	0.491	0.000#	100.0#	0#	0.00
24	TMP	2-Butanone (MEK)	0.131	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.000#	100.0#	0#	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.882	-93.0#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.472	-4.9	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.000#	100.0#	0#	-4.21#
29	TMP	Carbon tetrachloride	0.390	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.059	0.055	6.8	100	0.00
31	TMP	Benzene	1.115	1.431	-28.3#	100	0.00
32	TMP	Trichloroethene	0.327	0.458	-40.1#	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.000#	100.0#	0#	0.08
34	TMP	Bromodichloromethane	0.349	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	0.962	0.942	2.1	100	-0.01
36	TMP	Dibromomethane	0.166	0.000#	100.0#	0#	-5.23#
37	TMP	4-Methyl-2-pentanone	0.041	0.000#	100.0#	0#	-5.91#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	9.957	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5	TMP	Chloromethane	-1.000	0.042	0.0	0	0.00
6	TMP	Vinyl chloride	0.020	0.020	0.0	102	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.58#
9	TMP	Trichlorofluoromethane	-1.000	0.020	0.0	0	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	-1.000	0.601	0.0	0	0.00
12	TMP	1,1-Dichloroethene	0.020	0.021	-5.0	91	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.04#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.020	0.022	-10.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.020	0.020	0.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.034	0.0	0	0.00
19	TMP	1,1-Dichloroethane	0.020	0.023	-15.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21	TMP	2,2-Dichloropropane	-1.000	-1.000	0.0	0	-0.02
22	TMP	cis-1,2-Dichloroethene	0.020	0.020	0.0	100	0.00
23	TMP	Chloroform	-1.000	0.054	0.0	0	0.00
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.012	0.0	0	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.020	0.020	0.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.020	0.021	-5.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.21#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	9.357	6.4	100	0.00
31	TMP	Benzene	0.020	0.020	0.0	100	0.00
32	TMP	Trichloroethene	0.020	0.019	5.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.028	0.0	0	0.08
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35	S	Toluene-d8	10.000	9.798	2.0	100	-0.01
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	-1.000	0.000	0.0	0	-6.03#
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.40#
43	TMP	2-Hexanone	-1.000	0.241	0.0	0	0.00
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.020	0.012	40.0#	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	-1.000	0.000	0.0	0	-6.85#
48	TMP	Chlorobenzene	-1.000	0.029	0.0	0	0.00
49	TMP	Ethylbenzene	0.020	0.020	0.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.040	0.040	0.0	100	0.00
52	TMP	o-Xylene	0.020	0.020	0.0	100	0.00
53	TMP	Styrene	-1.000	0.042	0.0	0	0.00
54	TMP	Isopropylbenzene	-1.000	0.030	0.0	0	0.00
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.032	-0.3	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.038	0.0	0	0.00
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.52#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.038	0.0	0	0.00
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.54#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.57#
63	TMP	2-Chlorotoluene	-1.000	0.045	0.0	0	0.10
64	TMP	4-Chlorotoluene	-1.000	0.039	0.0	0	0.00
65	TMP	tert-Butylbenzene	-1.000	0.025	0.0	0	0.00
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.043	0.0	0	0.00
67	TMP	sec-Butylbenzene	-1.000	0.034	0.0	0	0.00
68	TMP	p-Isopropyltoluene	-1.000	0.031	0.0	0	0.00
69	TMP	1,3-Dichlorobenzene	-1.000	0.026	0.0	0	0.09
70	TMP	1,4-Dichlorobenzene	-1.000	0.026	0.0	0	0.00
71	TMP	1,2-Dichlorobenzene	-1.000	0.024	0.0	0	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	-1.000	0.033	0.0	0	0.00
74 TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP	Naphthalene	-1.000	0.049	0.0	0	0.00
76 TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
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QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.000#	100.0#	0#	-6.03#
41	TMP	trans-1,3-Dichloropropene	0.462	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.250	0.000#	100.0#	0#	-6.40#
43	TMP	2-Hexanone	0.239	0.000#	100.0#	0#	0.00
44	TMP	1,3-Dichloropropane	0.444	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.421	0.754	-79.1#	100	0.00
46	TMP	Dibromochloromethane	0.337	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.000#	100.0#	0#	-6.85#
48	TMP	Chlorobenzene	0.977	0.000#	100.0#	0#	0.00
49	TMP	Ethylbenzene	1.708	2.386	-39.7#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.670	0.982	-46.6#	100	0.00
52	TMP	o-Xylene	0.661	0.956	-44.6#	100	0.00
53	TMP	Styrene	0.990	0.000#	100.0#	0#	0.00
54	TMP	Isopropylbenzene	1.609	0.000#	100.0#	0#	0.00
55	TMP	Bromoform	0.228	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.829	-0.4	100	0.00
58	TMP	n-Propylbenzene	3.181	0.000#	100.0#	0#	0.00
59	TMP	Bromobenzene	0.791	0.000#	100.0#	0#	-8.52#
60	TMP	1,3,5-Trimethylbenzene	2.358	0.000#	100.0#	0#	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.000#	100.0#	0#	-8.54#
62	TMP	1,2,3-Trichloropropane	0.455	0.000#	100.0#	0#	-8.57#
63	TMP	2-Chlorotoluene	1.884	0.000#	100.0#	0#	0.10
64	TMP	4-Chlorotoluene	2.179	0.000#	100.0#	0#	0.00
65	TMP	tert-Butylbenzene	2.106	0.000#	100.0#	0#	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	0.000#	100.0#	0#	0.00
67	TMP	sec-Butylbenzene	3.077	0.000#	100.0#	0#	0.00
68	TMP	p-Isopropyltoluene	2.660	0.000#	100.0#	0#	0.00
69	TMP	1,3-Dichlorobenzene	1.487	0.000#	100.0#	0#	0.09
70	TMP	1,4-Dichlorobenzene	1.449	0.000#	100.0#	0#	0.00
71	TMP	1,2-Dichlorobenzene	1.454	0.000#	100.0#	0#	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.000#	100.0#	0#	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080827.D
Acq On : 08 Aug 2022 06:26 pm
Operator : RF
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:07:44 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

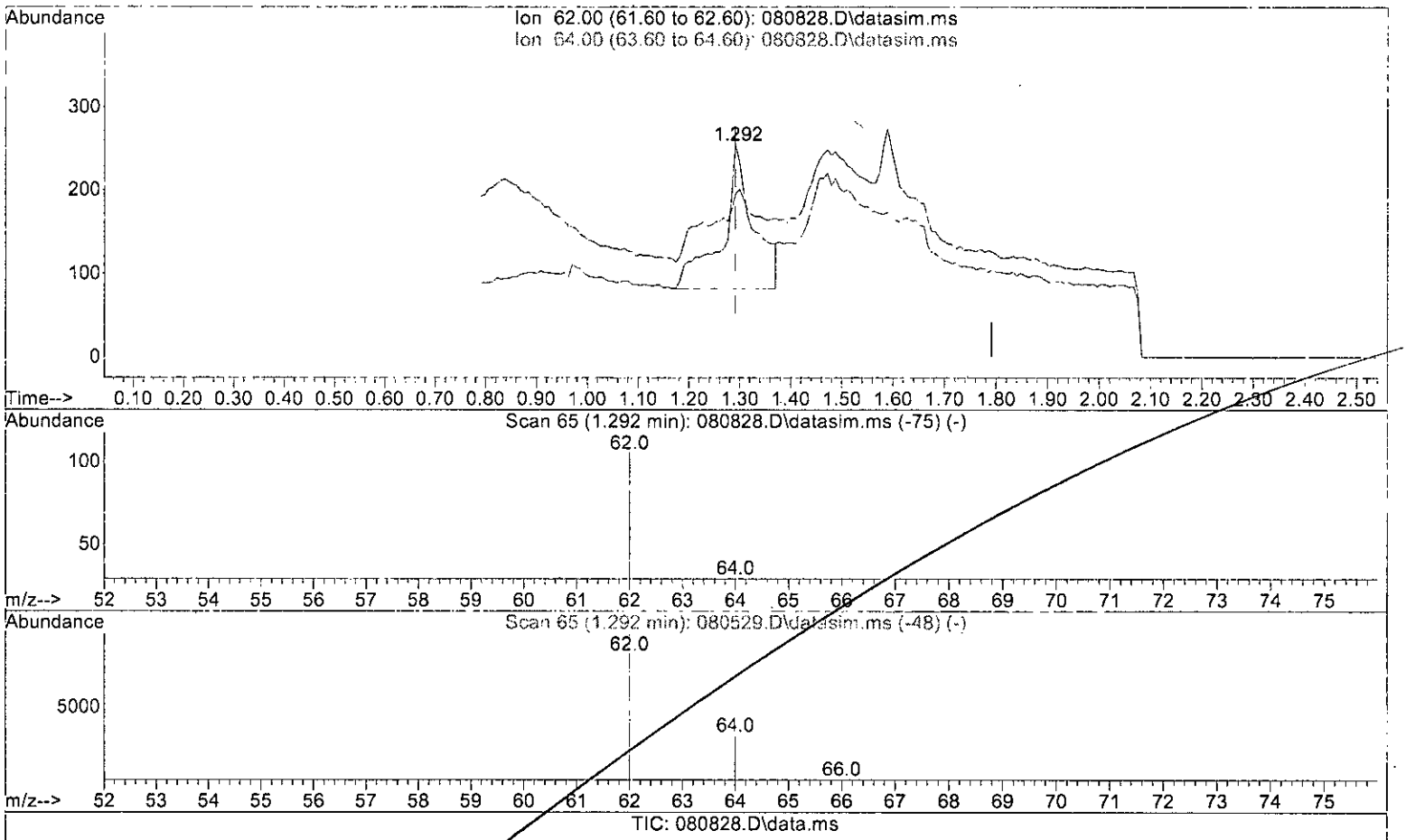
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	0.000#	100.0#	0#	0.00
74 TMP	Hexachlorobutadiene	0.607	0.000#	100.0#	0#	-11.61#
75 TMP	Naphthalene	2.108	0.000#	100.0#	0#	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.000#	100.0#	0#	-11.92#

(#) = Out of Range SPCC's out = 54 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:09:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080828.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.129 ppb

response 738

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	44.77
0.00	0.00	0.00
0.00	0.00	0.00

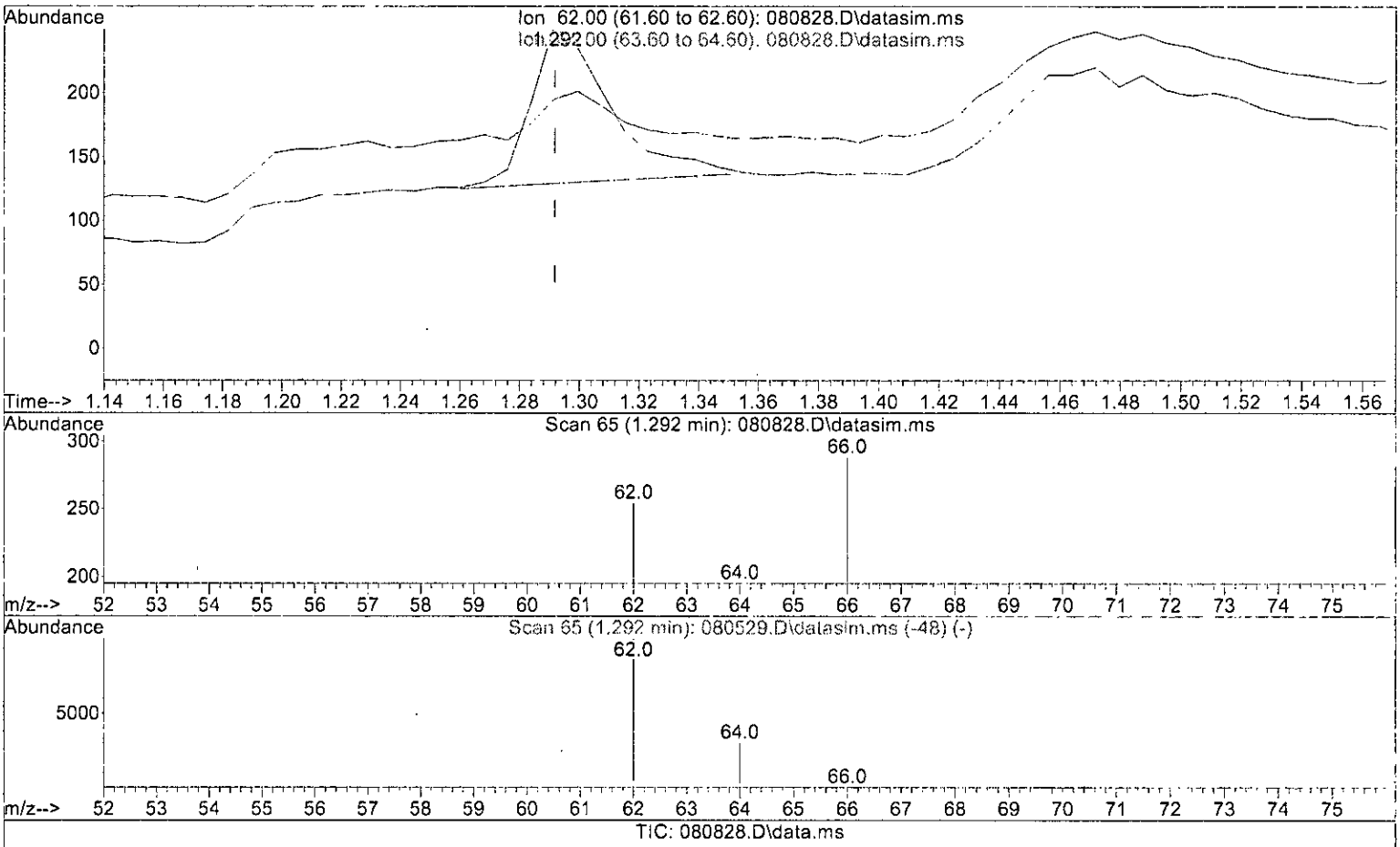
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:09:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.040 ppb m

response 227

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	76.77#
0.00	0.00	0.00
0.00	0.00	0.00

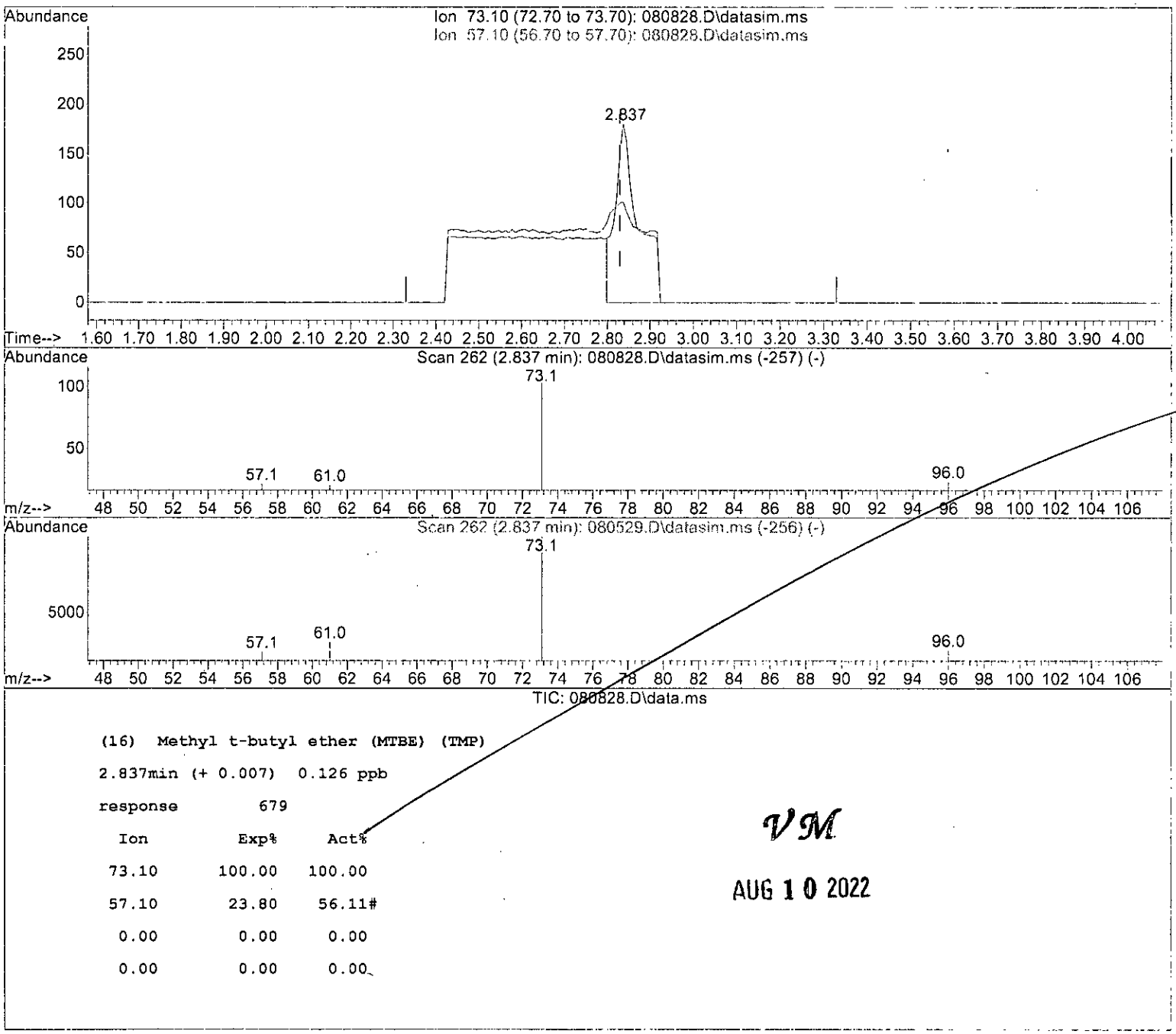
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:09:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080828.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.007) 0.126 ppb

response 679

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	56.11#
0.00	0.00	0.00
0.00	0.00	0.00

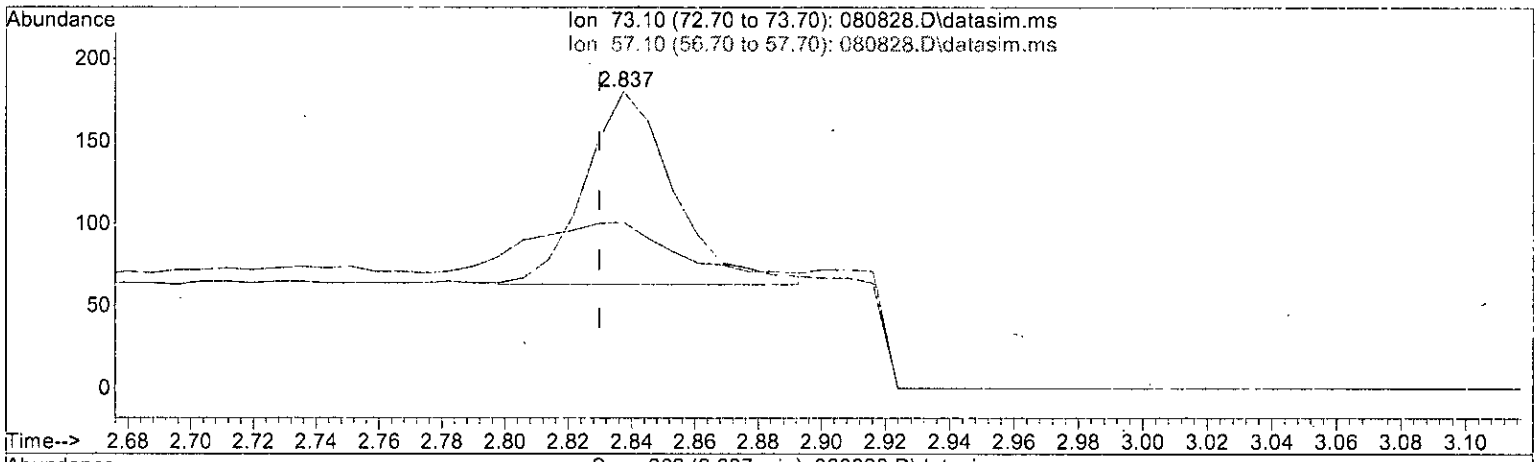
VM

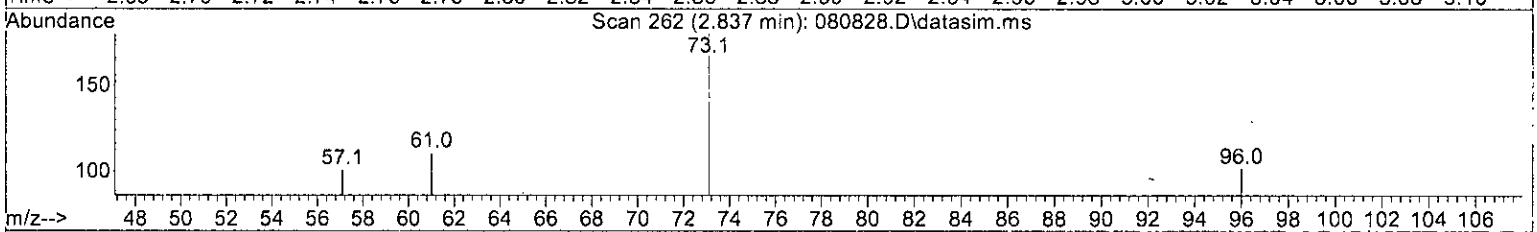
AUG 10 2022

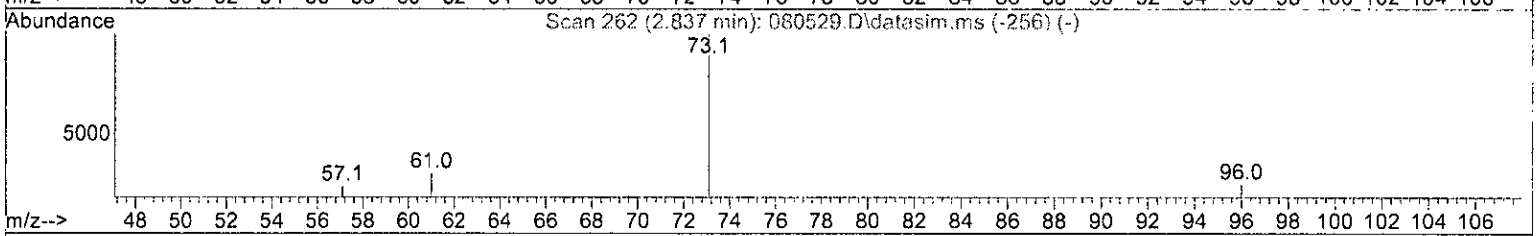
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:09:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080828.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.007) 0.042 ppb m

response 229

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	56.11#
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	71599	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	55511	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32294	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	19827	10.113 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.10%		
30) 1,2-Dichloroethane-d4	4.35	102	4428	10.431 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 104.30%		
35) Toluene-d8	5.98	98	68754	9.985 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 99.80%		
57) 4-Bromofluorobenzene	8.38	95	27190	10.190 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.90%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	1.09	85	184	N.D.	
5) Chloromethane	1.22	50	895	N.D.	
6] Vinyl chloride	1.29	62	227m	0.040 ppb	
7) Bromomethane	0.00		0	N.D.	
8) Chloroethane	0.00		0	N.D. d	
9) Trichlorofluoromethane	1.80	101	118	N.D.	
10) 2-Propanol	2.41	45	79	No Calib	
11) Acetone	2.27	58	318	N.D.	
12] 1,1-Dichloroethene	2.18	96	78	0.040 ppb	89
13) Hexane	0.00		0	N.D. d	
14) Methylene chloride	0.00		0	N.D. d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16] Methyl t-butyl ether (...	2.84	73	229m	0.042 ppb	
17] trans-1,2-Dichloroethene	2.82	96	107	0.039 ppb	91
18) Diisopropyl ether (DIPE)	3.24	45	314	N.D.	
19] 1,1-Dichloroethane	3.17	63	165	0.043 ppb	95
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	3.65	77	237	Below Cal	48
22] cis-1,2-Dichloroethene	3.66	96	107	0.040 ppb	93
23) Chloroform	3.94	83	297	N.D.	
24) 2-Butanone (MEK)	0.00		0	N.D. d	
25) t-Amyl methyl ether (T...	4.49	73	212	N.D.	
26] 1,2-Dichloroethane (EDC)	4.41	62	181	0.040 ppb	97
27] 1,1,1-Trichloroethane	4.08	97	134	0.042 ppb	95

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	4.22	75	120	N.D.			
29)	Carbon tetrachloride	4.22	117	70	N.D.			
31]	Benzene	4.39	78	371	0.041	ppb		97
32]	Trichloroethene	4.93	95	115	0.042	ppb		90
33)	1,2-Dichloropropane	5.14	63	153	N.D.			
34)	Bromodichloromethane	5.36	83	61	N.D.			
36)	Dibromomethane	0.00		0	N.D.			
37)	4-Methyl-2-pentanone	0.00		0	N.D.			
38)	cis-1,3-Dichloropropene	5.75	75	180	N.D.			
40]	Toluene	6.03	92	513	0.041	ppb		99
41)	trans-1,3-Dichloropropene	6.25	75	96	N.D.			
42)	1,1,2-Trichloroethane	6.40	83	67	N.D.			
43)	2-Hexanone	0.00		0	N.D.	d		
44)	1,3-Dichloropropane	0.00		0	N.D.			
45]	Tetrachloroethene	6.51	164	145	0.044	ppb		96
46)	Dibromochloromethane	0.00		0	N.D.			
47]	1,2-Dibromoethane (EDB)	6.85	107	87	0.050	ppb		97
48)	Chlorobenzene	7.30	112	370	N.D.			
49]	Ethylbenzene	7.40	91	453	0.041	ppb		100
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51]	m,p-Xylene	7.52	106	365	0.082	ppb		97
52]	o-Xylene	7.88	106	174	0.040	ppb		99
53)	Styrene	7.90	104	309	N.D.			
54)	Isopropylbenzene	8.23	105	505	N.D.			
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	8.63	91	825	N.D.			
59)	Bromobenzene	8.52	156	61	N.D.			
60)	1,3,5-Trimethylbenzene	8.80	105	359	N.D.			
61)	1,1,2,2-Tetrachloroethane	8.53	83	79	N.D.			
62)	1,2,3-Trichloropropane	8.58	75	59	N.D.			
63)	2-Chlorotoluene	8.70	91	445	N.D.			
64)	4-Chlorotoluene	8.81	91	430	N.D.			
65)	tert-Butylbenzene	9.11	119	296	N.D.			
66)	1,2,4-Trimethylbenzene	9.15	105	629	N.D.			
67)	sec-Butylbenzene	9.32	105	453	N.D.			
68)	p-Isopropyltoluene	9.46	119	458	N.D.			
69)	1,3-Dichlorobenzene	9.51	146	322	N.D.			
70)	1,4-Dichlorobenzene	9.51	146	322	N.D.			
71)	1,2-Dichlorobenzene	9.87	146	264	N.D.			
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	11.44	180	238	N.D.			

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

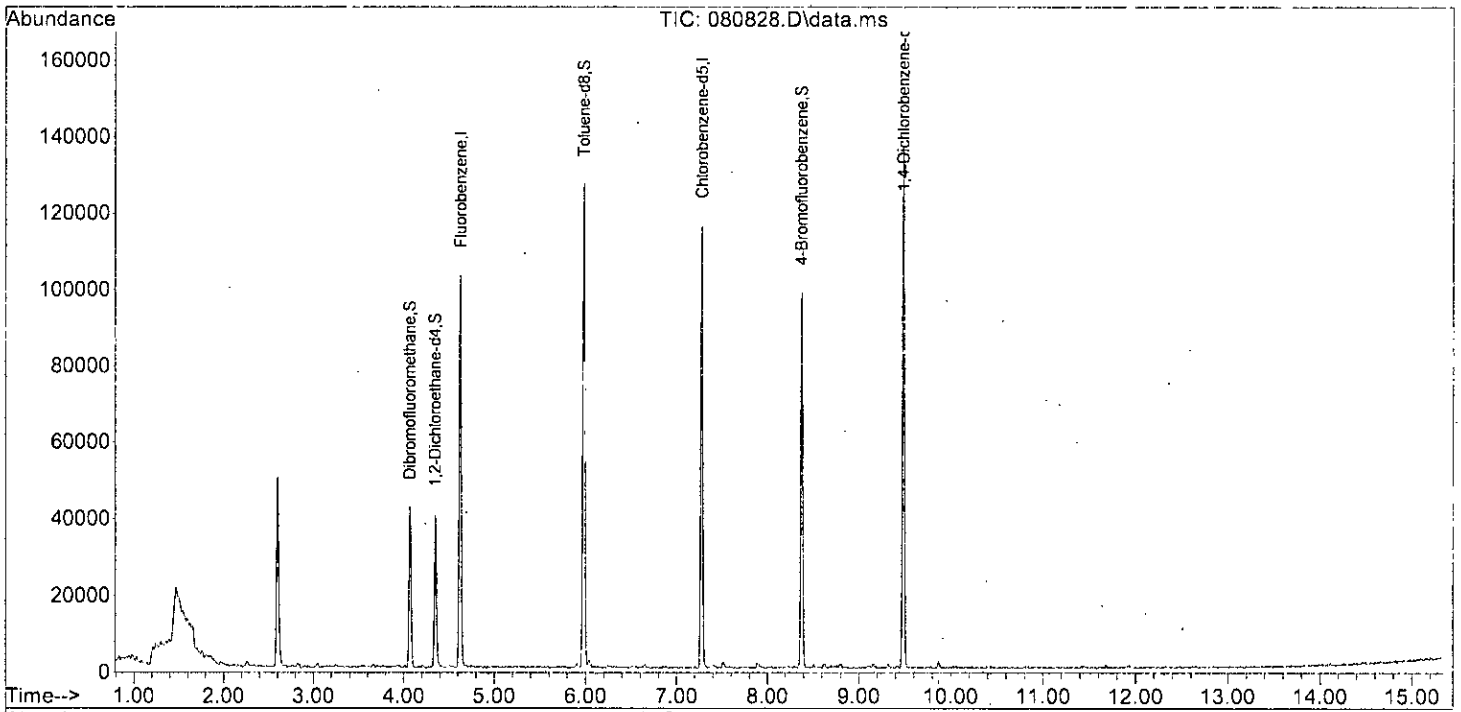
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	11.93	180	235	N.D.		

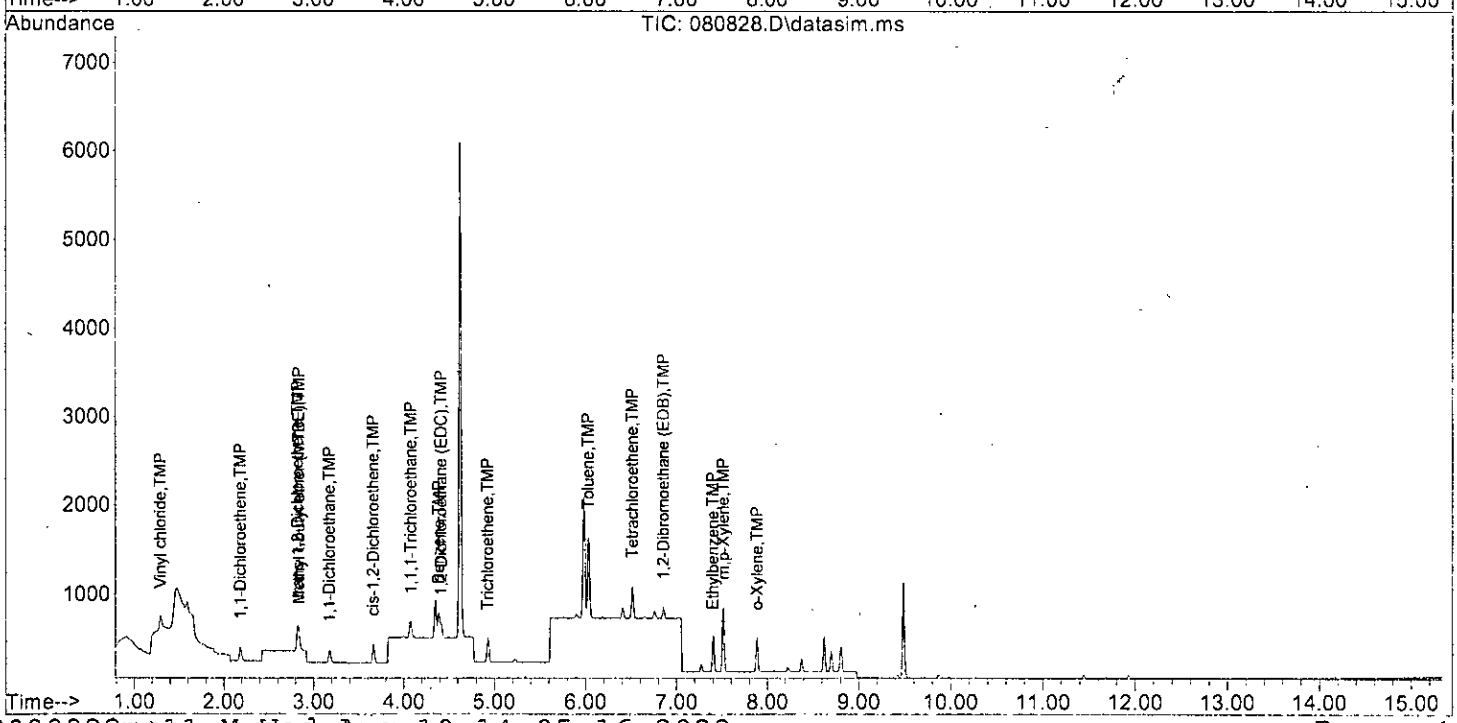
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.113	-1.1	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.031	0.0	0	0.00
5	TMP	Chloromethane	-1.000	0.144	0.0	0	0.00
6	TMP	Vinyl chloride	0.040	0.040	0.0	127	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.58#
9	TMP	Trichlorofluoromethane	-1.000	0.017	0.0	0	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	-1.000	0.502	0.0	0	0.02
12	TMP	1,1-Dichloroethene	0.040	0.040	0.0	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.04#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.040	0.042	-5.0	106	0.00
17	TMP	trans-1,2-Dichloroethene	0.040	0.039	2.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.047	0.0	0	0.00
19	TMP	1,1-Dichloroethane	0.040	0.043	-7.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21	TMP	2,2-Dichloropropane	-1.000	-1.000	0.0	0	0.00
22	TMP	cis-1,2-Dichloroethene	0.040	0.040	0.0	100	0.00
23	TMP	Chloroform	-1.000	0.084	0.0	0	0.00
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.041	0.0	0	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.040	0.040	0.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.040	0.042	-5.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.045	0.0	0	0.00
29	TMP	Carbon tetrachloride	-1.000	0.025	0.0	0	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.431	-4.3	100	0.00
31	TMP	Benzene	0.040	0.041	-2.5	100	0.00
32	TMP	Trichloroethene	0.040	0.042	-5.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.074	0.0	0	0.00
34	TMP	Bromodichloromethane	-1.000	0.024	0.0	0	0.00
35	S	Toluene-d8	10.000	9.985	0.2	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	-1.000	0.064	0.0	0	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.040	0.041	-2.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.037	0.0	0	0.00
42	TMP	1,1,2-Trichloroethane	-1.000	0.048	0.0	0	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.040	0.044	-10.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.040	0.050	-25.0#	100	0.00
48	TMP	Chlorobenzene	-1.000	0.068	0.0	0	0.00
49	TMP	Ethylbenzene	0.040	0.041	-2.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.080	0.082	-2.5	100	0.00
52	TMP	o-Xylene	0.040	0.040	0.0	100	0.00
53	TMP	Styrene	-1.000	0.056	0.0	0	0.00
54	TMP	Isopropylbenzene	-1.000	0.057	0.0	0	0.00
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.190	-1.9	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.080	0.0	0	0.00
59	TMP	Bromobenzene	-1.000	0.024	0.0	0	0.00
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.047	0.0	0	0.00
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.038	0.0	0	0.00
62	TMP	1,2,3-Trichloropropane	-1.000	0.040	0.0	0	0.00
63	TMP	2-Chlorotoluene	-1.000	0.073	0.0	0	0.00
64	TMP	4-Chlorotoluene	-1.000	0.061	0.0	0	0.00
65	TMP	tert-Butylbenzene	-1.000	0.044	0.0	0	0.00
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.080	0.0	0	0.00
67	TMP	sec-Butylbenzene	-1.000	0.046	0.0	0	0.00
68	TMP	p-Isopropyltoluene	-1.000	0.053	0.0	0	0.00
69	TMP	1,3-Dichlorobenzene	-1.000	0.067	0.0	0	0.09
70	TMP	1,4-Dichlorobenzene	-1.000	0.069	0.0	0	0.00
71	TMP	1,2-Dichlorobenzene	-1.000	0.056	0.0	0	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	-1.000	0.067	0.0	0	0.00
74 TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP	Naphthalene	-1.000	0.000	0.0	0	-11.69#
76 TMP	1,2,3-Trichlorobenzene	-1.000	0.074	0.0	0	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.277	-1.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.000#	100.0#	0#	0.00
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	0.00
6	TMP	Vinyl chloride	0.799	0.793	0.8	127	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	-1.52#
8	TMP	Chloroethane	0.404	0.000#	100.0#	0#	-1.58#
9	TMP	Trichlorofluoromethane	0.957	0.000#	100.0#	0#	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.025	0.000#	100.0#	0#	0.02
12	TMP	1,1-Dichloroethene	0.273	0.272	0.4	100	0.00
13	TMP	Hexane	0.415	0.000#	100.0#	0#	-3.04#
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.800	-6.2	106	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.374	-18.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.000#	100.0#	0#	0.00
19	TMP	1,1-Dichloroethane	0.541	0.576	-6.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.000#	100.0#	0#	-3.54#
21	TMP	2,2-Dichloropropane	0.319	0.000#	100.0#	0#	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.374	-15.1	100	0.00
23	TMP	Chloroform	0.491	0.000#	100.0#	0#	0.00
24	TMP	2-Butanone (MEK)	0.131	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.000#	100.0#	0#	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.632	-38.3#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.468	-4.0	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.000#	100.0#	0#	0.00
29	TMP	Carbon tetrachloride	0.390	0.000#	100.0#	0#	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.062	-5.1	100	0.00
31	TMP	Benzene	1.115	1.295	-16.1	100	0.00
32	TMP	Trichloroethene	0.327	0.402	-22.9#	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.000#	100.0#	0#	0.00
34	TMP	Bromodichloromethane	0.349	0.000#	100.0#	0#	0.00
35	S	Toluene-d8	0.962	0.960	0.2	100	0.00
36	TMP	Dibromomethane	0.166	0.000#	100.0#	0#	-5.23#
37	TMP	4-Methyl-2-pentanone	0.041	0.000#	100.0#	0#	-5.91#

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.000#	100.0#	0#	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	2.310	-120.8#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.000#	100.0#	0#	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.000#	100.0#	0#	0.00
43	TMP	2-Hexanone	0.239	0.000#	100.0#	0#	-6.64#
44	TMP	1,3-Dichloropropane	0.444	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.421	0.653	-55.1#	100	0.00
46	TMP	Dibromochloromethane	0.337	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.392	-24.8#	100	0.00
48	TMP	Chlorobenzene	0.977	0.000#	100.0#	0#	0.00
49	TMP	Ethylbenzene	1.708	2.040	-19.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.670	0.822	-22.7#	100	0.00
52	TMP	o-Xylene	0.661	0.784	-18.6	100	0.00
53	TMP	Styrene	0.990	0.000#	100.0#	0#	0.00
54	TMP	Isopropylbenzene	1.609	0.000#	100.0#	0#	0.00
55	TMP	Bromoform	0.228	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.842	-1.9	100	0.00
58	TMP	n-Propylbenzene	3.181	0.000#	100.0#	0#	0.00
59	TMP	Bromobenzene	0.791	0.000#	100.0#	0#	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	0.000#	100.0#	0#	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.000#	100.0#	0#	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.000#	100.0#	0#	0.00
63	TMP	2-Chlorotoluene	1.884	0.000#	100.0#	0#	0.00
64	TMP	4-Chlorotoluene	2.179	0.000#	100.0#	0#	0.00
65	TMP	tert-Butylbenzene	2.106	0.000#	100.0#	0#	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	0.000#	100.0#	0#	0.00
67	TMP	sec-Butylbenzene	3.077	0.000#	100.0#	0#	0.00
68	TMP	p-Isopropyltoluene	2.660	0.000#	100.0#	0#	0.00
69	TMP	1,3-Dichlorobenzene	1.487	0.000#	100.0#	0#	0.09
70	TMP	1,4-Dichlorobenzene	1.449	0.000#	100.0#	0#	0.00
71	TMP	1,2-Dichlorobenzene	1.454	0.000#	100.0#	0#	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.000#	100.0#	0#	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080828.D
Acq On : 08 Aug 2022 06:51 pm
Operator : RF
Sample : 0.04 ppb 8260 ICAL 67-43G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:22 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

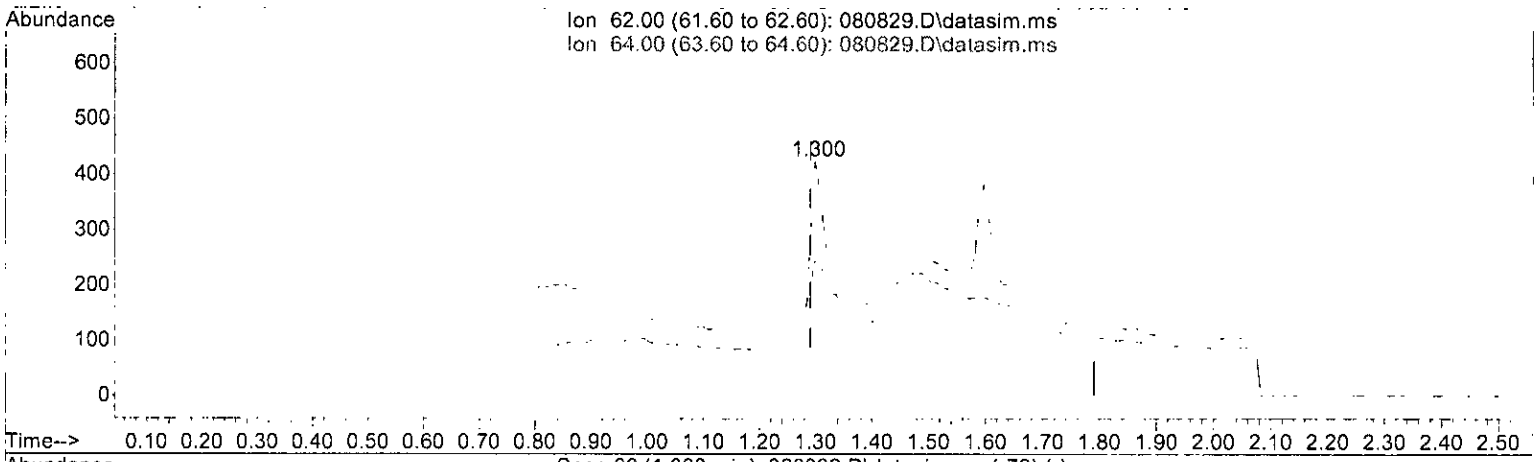
	Compound	AvgRF	CCRF	%Dev Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	0.000#	100.0# 0#	0.00
74 TMP	Hexachlorobutadiene	0.607	0.000#	100.0# 0#	-11.61#
75 TMP	Naphthalene	2.108	0.000#	100.0# 0#	-11.69#
76 TMP	1,2,3-Trichlorobenzene	0.986	0.000#	100.0# 0#	0.00

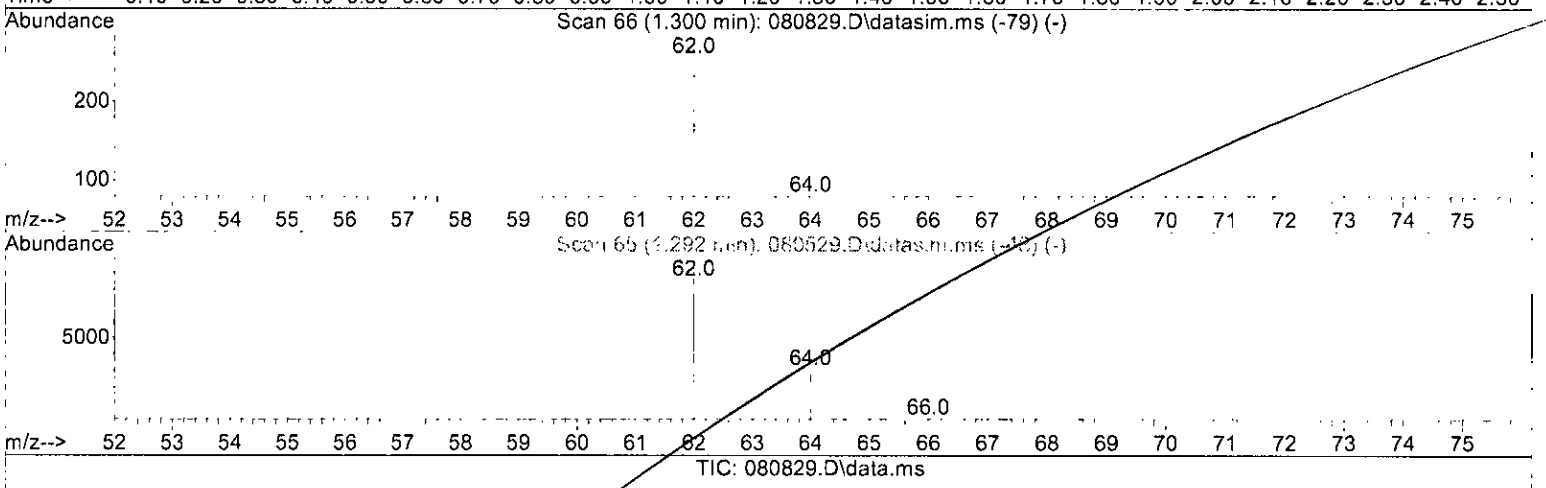
(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:58 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080829.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.008) 0.204 ppb

response 1146

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	37.35
0.00	0.00	0.00
0.00	0.00	0.00

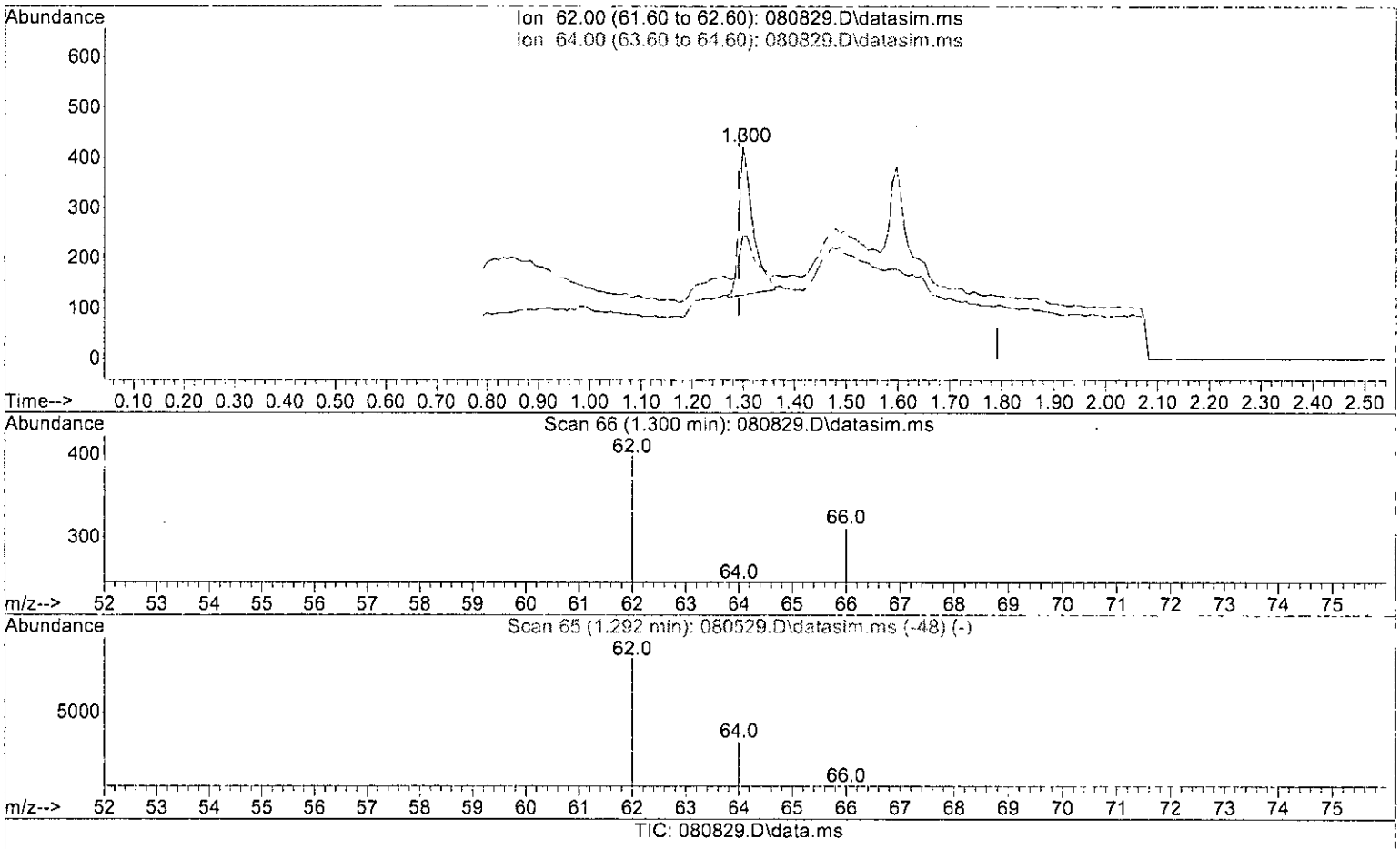
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:58 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080829.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.008) 0.101 ppb m

response 564

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	57.92
0.00	0.00	0.00
0.00	0.00	0.00

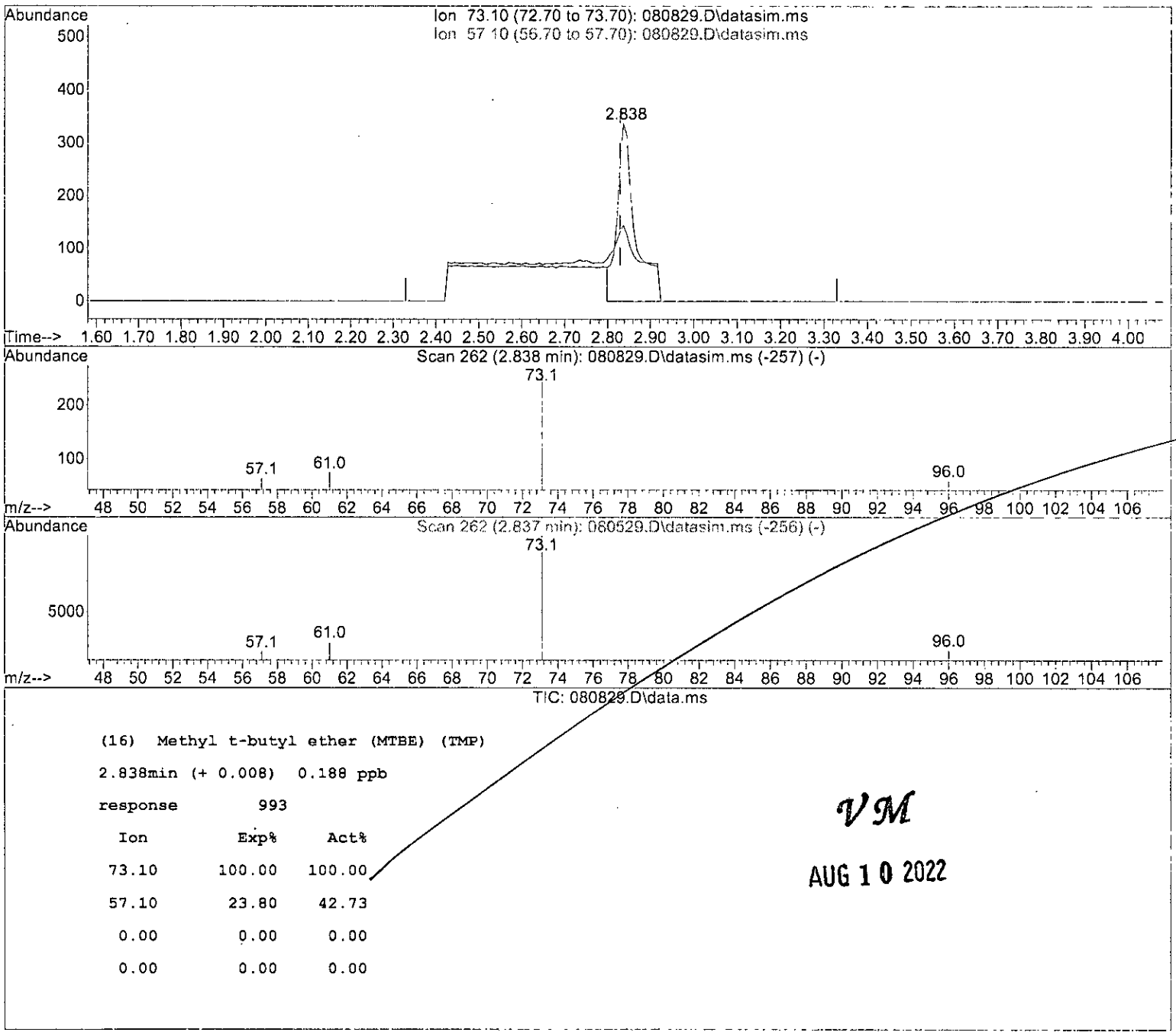
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:58 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080829.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.008) 0.188 ppb

response 993

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	42.73
0.00	0.00	0.00
0.00	0.00	0.00

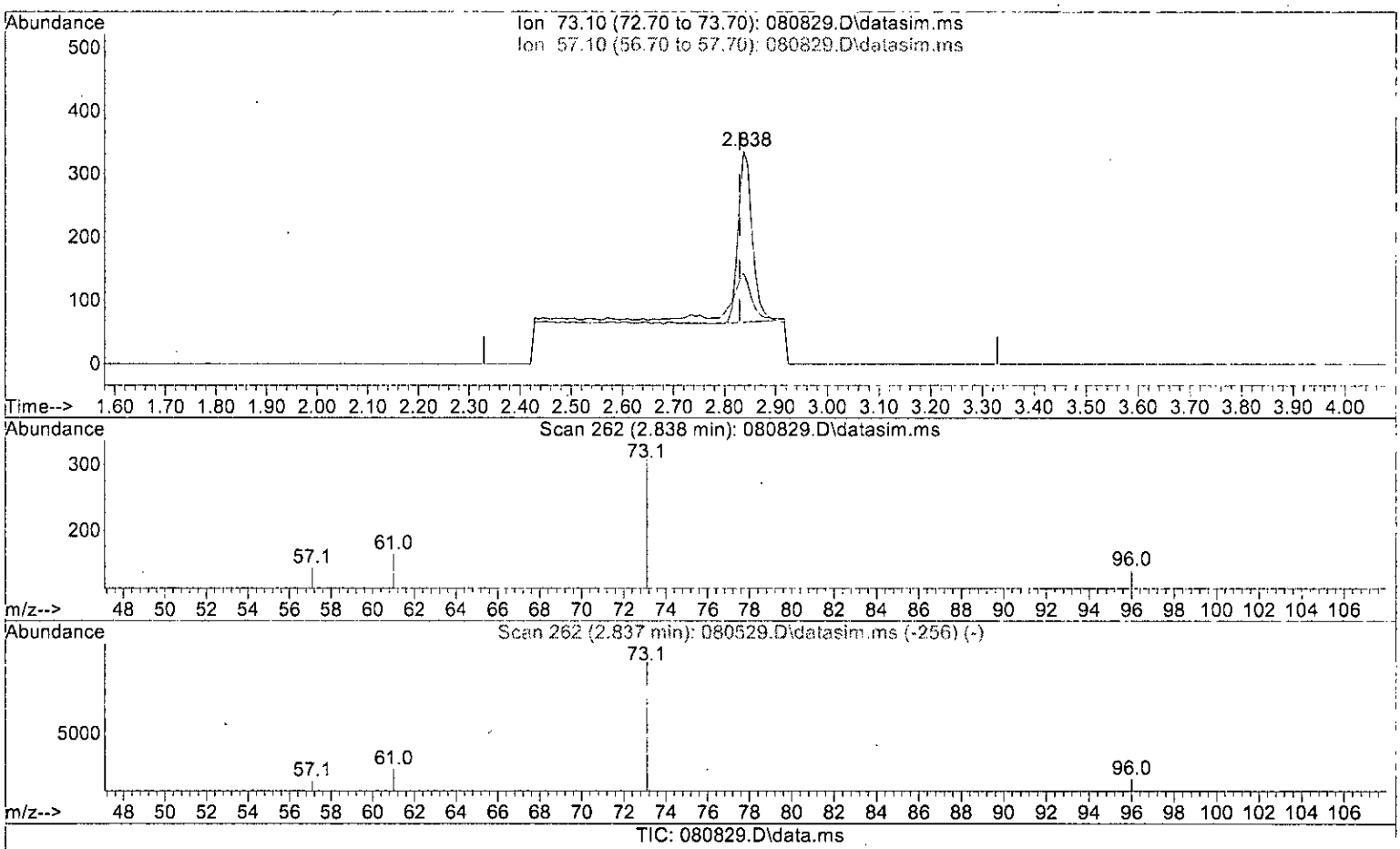
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:11:58 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080829.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.838min (+ 0.008) 0.098 ppb m

response 518

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	42.73
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	70256	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	55302	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32633	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19300	10.033	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.30%			
30) 1,2-Dichloroethane-d4	4.35	102	4078	9.790	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 97.90%			
35) Toluene-d8	5.98	98	67259	9.954	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 99.50%			
57) 4-Bromofluorobenzene	8.38	95	26648	9.883	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 98.80%			
Target Compounds						Qvalue
2) Ethanol	1.91	45	105	No Calib		
4) Dichlorodifluoromethane	1.09	85	612	N.D.		
5) Chloromethane	1.23	50	1640	N.D.		
6] Vinyl chloride	1.30	62	564m	0.101	ppb	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	1.78	101	308	N.D.		
10) 2-Propanol	2.39	45	104	No Calib		
11) Acetone	2.27	58	328	N.D.		
12] 1,1-Dichloroethene	2.19	96	204	0.106	ppb	98
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.84	73	518m	0.098	ppb	
17] trans-1,2-Dichloroethene	2.82	96	222	0.097	ppb	87
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	395	0.104	ppb	96
20) Ethyl t-butyl ether (E...	3.55	87	178	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.67	96	236	0.101	ppb	92
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.41	62	350	0.102	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	323	0.102	ppb	92

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	1,1-Dichloropropene	0.00		0	N.D.	d	
29)	Carbon tetrachloride	4.20	117	240	N.D.		
31]	Benzene	4.39	78	806	0.101	ppb	96
32]	Trichloroethene	4.93	95	244	0.103	ppb	93
33)	1,2-Dichloropropane	0.00		0	N.D.	d	
34)	Bromodichloromethane	5.37	83	226	N.D.		
36)	Dibromomethane	0.00		0	N.D.	d	
37)	4-Methyl-2-pentanone	0.00		0	N.D.	d	
38)	cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40]	Toluene	6.03	92	787	0.099	ppb	100
41)	trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42)	1,1,2-Trichloroethane	0.00		0	N.D.	d	
43)	2-Hexanone	0.00		0	N.D.	d	
44)	1,3-Dichloropropane	0.00		0	N.D.	d	
45]	Tetrachloroethene	6.51	164	271	0.109	ppb	95
46)	Dibromochloromethane	0.00		0	N.D.	d	
47]	1,2-Dibromoethane (EDB)	6.85	107	194	0.112	ppb	100
48)	Chlorobenzene	0.00		0	N.D.	d	
49]	Ethylbenzene	7.40	91	987	0.101	ppb	99
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51]	m,p-Xylene	7.52	106	768	0.200	ppb	99
52]	o-Xylene	7.88	106	374	0.099	ppb	100
53)	Styrene	0.00		0	N.D.	d	
54)	Isopropylbenzene	0.00		0	N.D.	d	
55)	Bromoform	0.00		0	N.D.	d	
58)	n-Propylbenzene	0.00		0	N.D.	d	
59)	Bromobenzene	0.00		0	N.D.	d	
60)	1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62)	1,2,3-Trichloropropane	0.00		0	N.D.	d	
63)	2-Chlorotoluene	0.00		0	N.D.	d	
64)	4-Chlorotoluene	0.00		0	N.D.	d	
65)	tert-Butylbenzene	0.00		0	N.D.	d	
66)	1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67)	sec-Butylbenzene	0.00		0	N.D.	d	
68)	p-Isopropyltoluene	0.00		0	N.D.	d	
69)	1,3-Dichlorobenzene	0.00		0	N.D.	d	
70)	1,4-Dichlorobenzene	0.00		0	N.D.	d	
71)	1,2-Dichlorobenzene	0.00		0	N.D.	d	
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73)	1,2,4-Trichlorobenzene	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

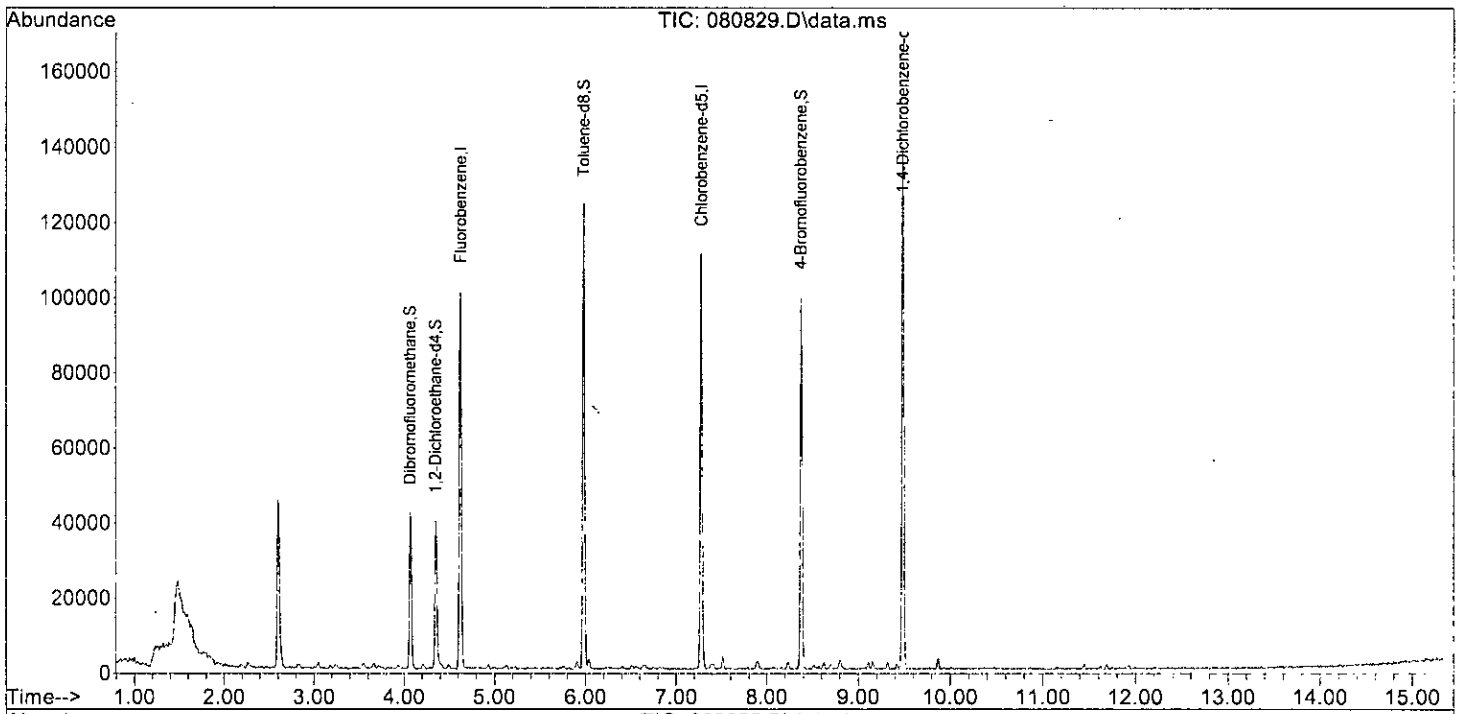
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

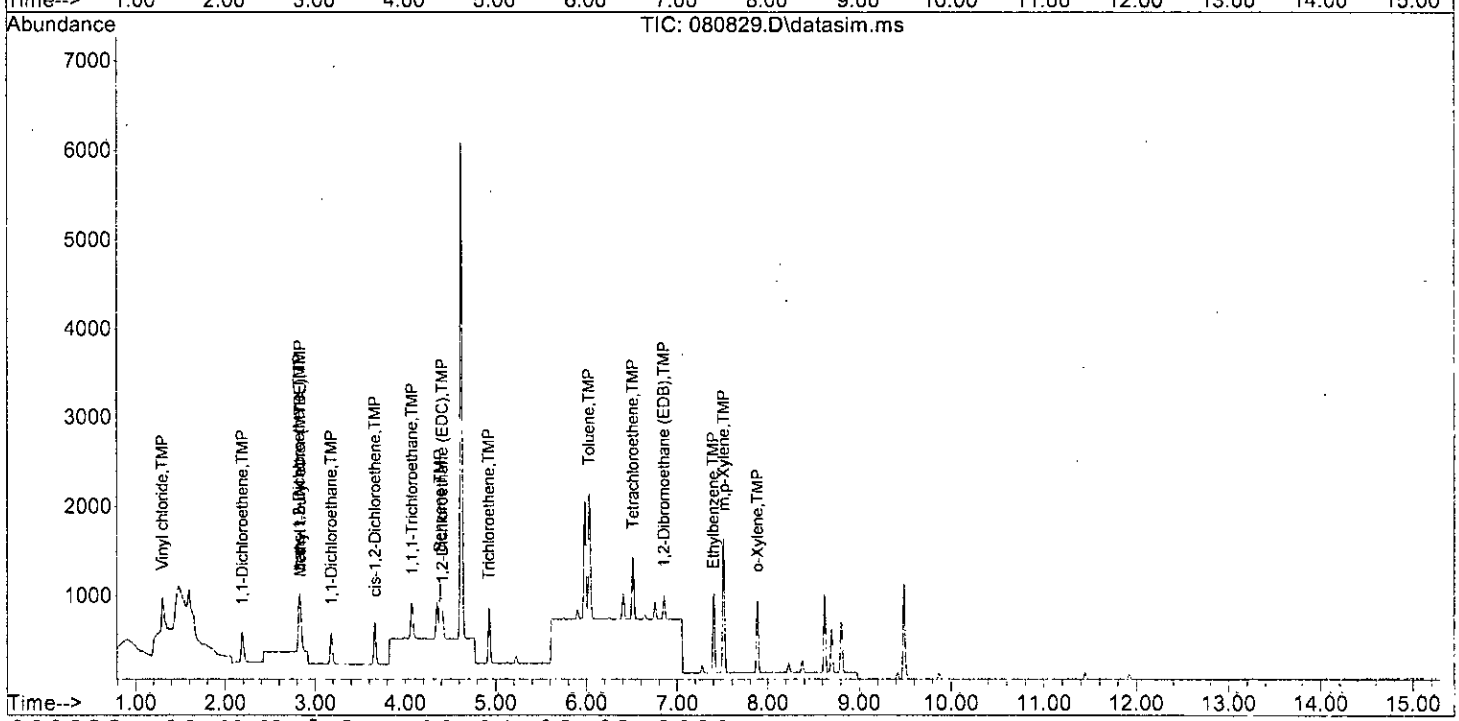
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
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Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.02
3	S	Dibromofluoromethane	10.000	10.033	-0.3	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.106	0.0	0	0.00
5	TMP	Chloromethane	-1.000	0.270	0.0	0	0.02
6	TMP	Vinyl chloride	0.100	0.101	-1.0	102	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.58#
9	TMP	Trichlorofluoromethane	-1.000	0.046	0.0	0	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	-1.000	0.595	0.0	0	0.02
12	TMP	1,1-Dichloroethene	0.100	0.106	-6.0	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.04#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.098	2.0	93	0.00
17	TMP	trans-1,2-Dichloroethene	0.100	0.097	3.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.23#
19	TMP	1,1-Dichloroethane	0.100	0.104	-4.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.077	0.0	0	0.00
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.100	0.101	-1.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.102	-2.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.100	0.102	-2.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.21#
29	TMP	Carbon tetrachloride	-1.000	0.087	0.0	0	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.790	2.1	100	0.00
31	TMP	Benzene	0.100	0.101	-1.0	100	0.00
32	TMP	Trichloroethene	0.100	0.103	-3.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.092	0.0	0	0.00
35	S	Toluene-d8	10.000	9.954	0.5	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.23#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.91#

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.099	1.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.40#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.100	0.109	-9.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.112	-12.0	100	0.00
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.30#
49	TMP	Ethylbenzene	0.100	0.101	-1.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.200	0.200	0.0	100	0.00
52	TMP	o-Xylene	0.100	0.099	1.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.883	1.2	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.63#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.52#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.80#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.54#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.57#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.81#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.11#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.16#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.32#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.47#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.42#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.51#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.87#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74 TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75 TMP	Naphthalene	-1.000	0.000	0.0	0	-11.69#
76 TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
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Operator : RF
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DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.02
3	S	Dibromofluoromethane	0.274	0.275	-0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.000#	100.0#	0#	0.00
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	0.02
6	TMP	Vinyl chloride	0.799	0.803	-0.5	102	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	-1.52#
8	TMP	Chloroethane	0.404	0.000#	100.0#	0#	-1.58#
9	TMP	Trichlorofluoromethane	0.957	0.000#	100.0#	0#	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.000#	100.0#	0#	0.02
12	TMP	1,1-Dichloroethene	0.273	0.290	-6.2	100	0.00
13	TMP	Hexane	0.415	0.000#	100.0#	0#	-3.04#
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.737	2.1	93	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.316	-0.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.000#	100.0#	0#	-3.23#
19	TMP	1,1-Dichloroethane	0.541	0.562	-3.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.000#	100.0#	0#	0.00
21	TMP	2,2-Dichloropropane	0.319	0.000#	100.0#	0#	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.325	0.336	-3.4	100	0.00
23	TMP	Chloroform	0.491	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.131	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.000#	100.0#	0#	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.498	-9.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.460	-2.2	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.000#	100.0#	0#	-4.21#
29	TMP	Carbon tetrachloride	0.390	0.000#	100.0#	0#	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.058	1.7	100	0.00
31	TMP	Benzene	1.115	1.147	-2.9	100	0.00
32	TMP	Trichloroethene	0.327	0.347	-6.1	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.349	0.000#	100.0#	0#	0.00
35	S	Toluene-d8	0.962	0.957	0.5	100	0.00
36	TMP	Dibromomethane	0.166	0.000#	100.0#	0#	-5.23#
37	TMP	4-Methyl-2-pentanone	0.041	0.000#	100.0#	0#	-5.91#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	1.423	-36.0#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.250	0.000#	100.0#	0#	-6.40#
43	TMP	2-Hexanone	0.239	0.000#	100.0#	0#	-6.64#
44	TMP	1,3-Dichloropropane	0.444	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.421	0.490	-16.4	100	0.00
46	TMP	Dibromochloromethane	0.337	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.351	-11.8	100	0.00
48	TMP	Chlorobenzene	0.977	0.000#	100.0#	0#	-7.30#
49	TMP	Ethylbenzene	1.708	1.785	-4.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.670	0.694	-3.6	100	0.00
52	TMP	o-Xylene	0.661	0.676	-2.3	100	0.00
53	TMP	Styrene	0.990	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.609	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.228	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.817	1.1	100	0.00
58	TMP	n-Propylbenzene	3.181	0.000#	100.0#	0#	-8.63#
59	TMP	Bromobenzene	0.791	0.000#	100.0#	0#	-8.52#
60	TMP	1,3,5-Trimethylbenzene	2.358	0.000#	100.0#	0#	-8.80#
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.000#	100.0#	0#	-8.54#
62	TMP	1,2,3-Trichloropropane	0.455	0.000#	100.0#	0#	-8.57#
63	TMP	2-Chlorotoluene	1.884	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.179	0.000#	100.0#	0#	-8.81#
65	TMP	tert-Butylbenzene	2.106	0.000#	100.0#	0#	-9.11#
66	TMP	1,2,4-Trimethylbenzene	2.427	0.000#	100.0#	0#	-9.16#
67	TMP	sec-Butylbenzene	3.077	0.000#	100.0#	0#	-9.32#
68	TMP	p-Isopropyltoluene	2.660	0.000#	100.0#	0#	-9.47#
69	TMP	1,3-Dichlorobenzene	1.487	0.000#	100.0#	0#	-9.42#
70	TMP	1,4-Dichlorobenzene	1.449	0.000#	100.0#	0#	-9.51#
71	TMP	1,2-Dichlorobenzene	1.454	0.000#	100.0#	0#	-9.87#
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.000#	100.0#	0#	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080829.D
Acq On : 08 Aug 2022 07:15 pm
Operator : RF
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:07 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

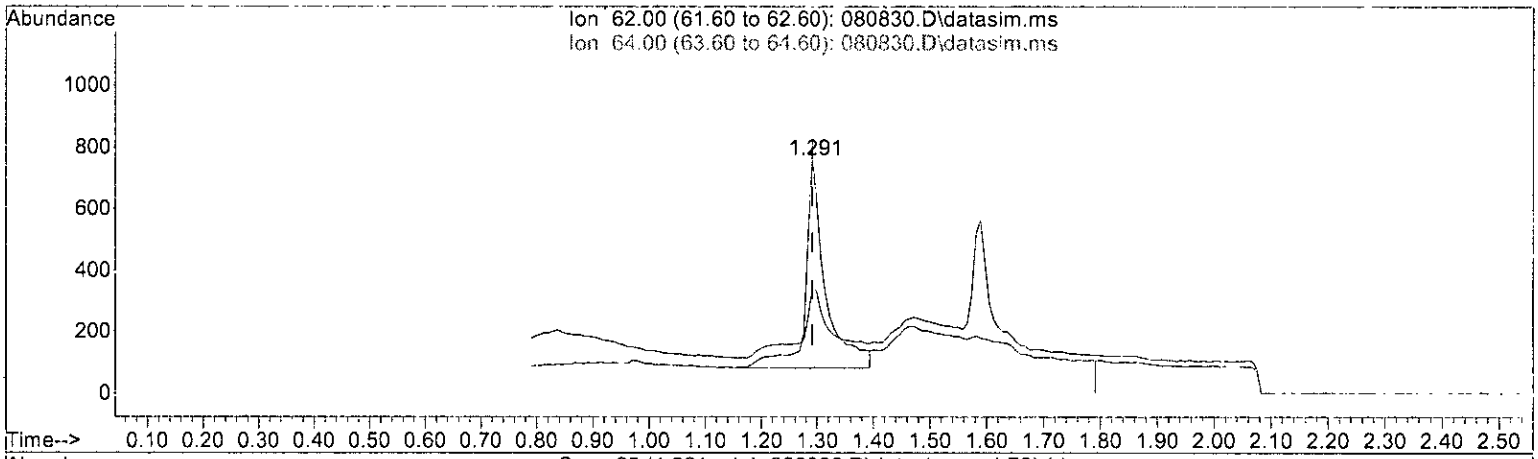
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	0.000#	100.0#	0#	-11.44#
74 TMP	Hexachlorobutadiene	0.607	0.000#	100.0#	0#	-11.61#
75 TMP	Naphthalene	2.108	0.000#	100.0#	0#	-11.69#
76 TMP	1,2,3-Trichlorobenzene	0.986	0.000#	100.0#	0#	-11.92#

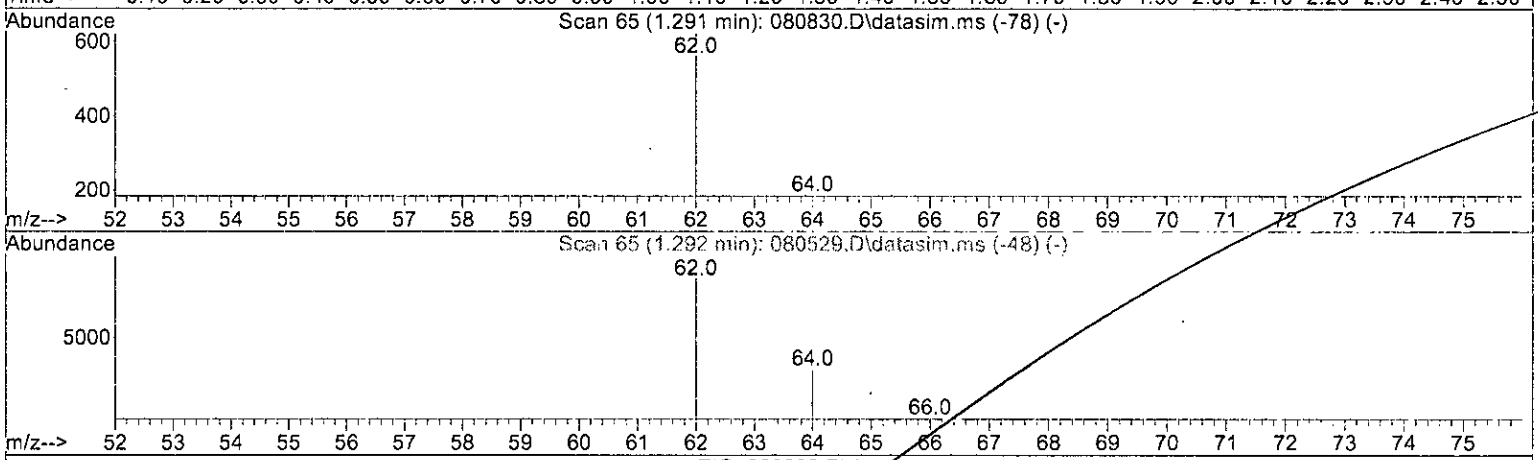
(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080830.D\data.ms

(6) Vinyl chloride (TMP)

1.291min (-0.001) 0.301 ppb

response 1729

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	34.12
0.00	0.00	0.00
0.00	0.00	0.00

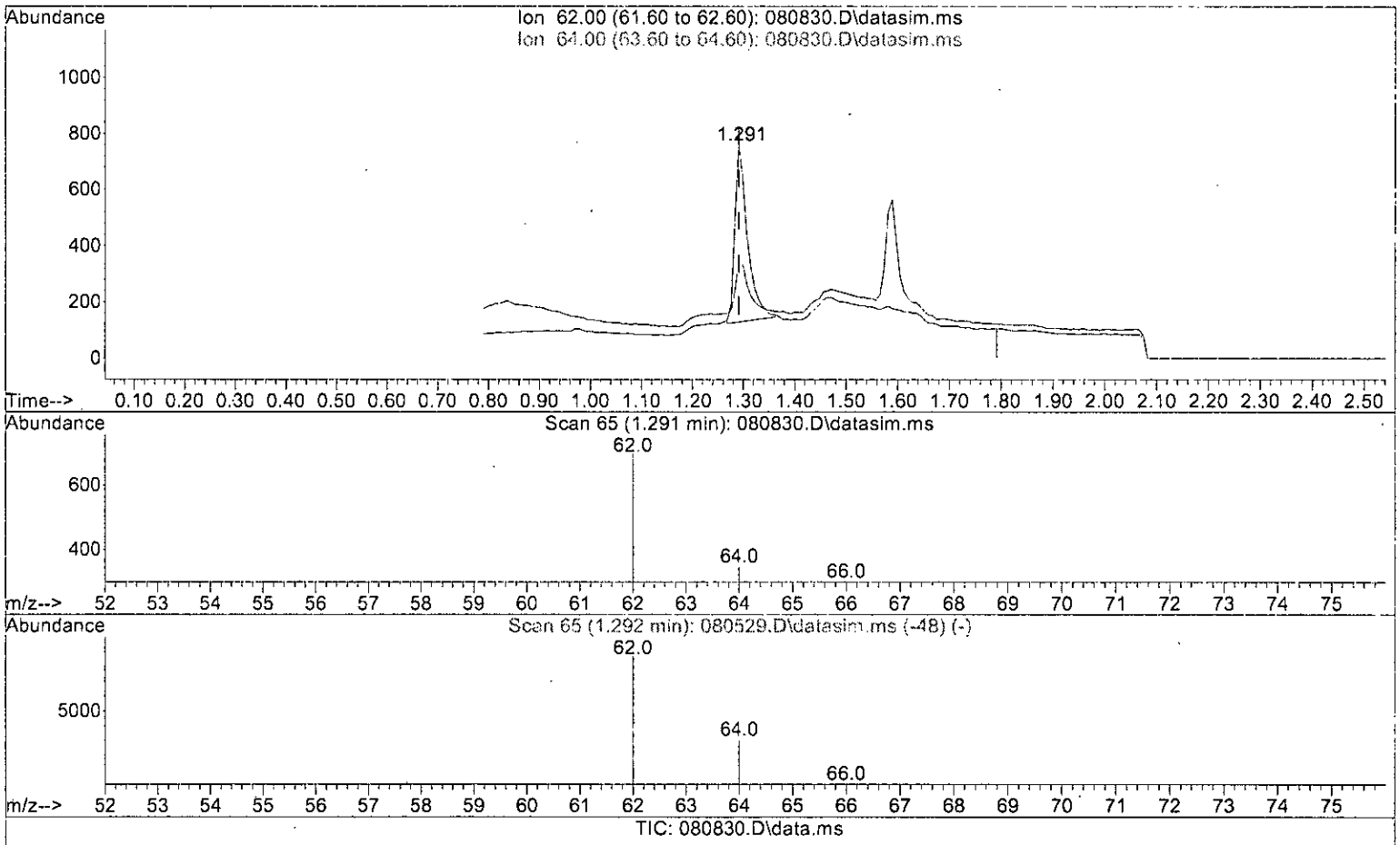
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(6) Vinyl chloride (TMP)

1.291min (-0.001) 0.191 ppb m

response 1100

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	45.51
0.00	0.00	0.00
0.00	0.00	0.00

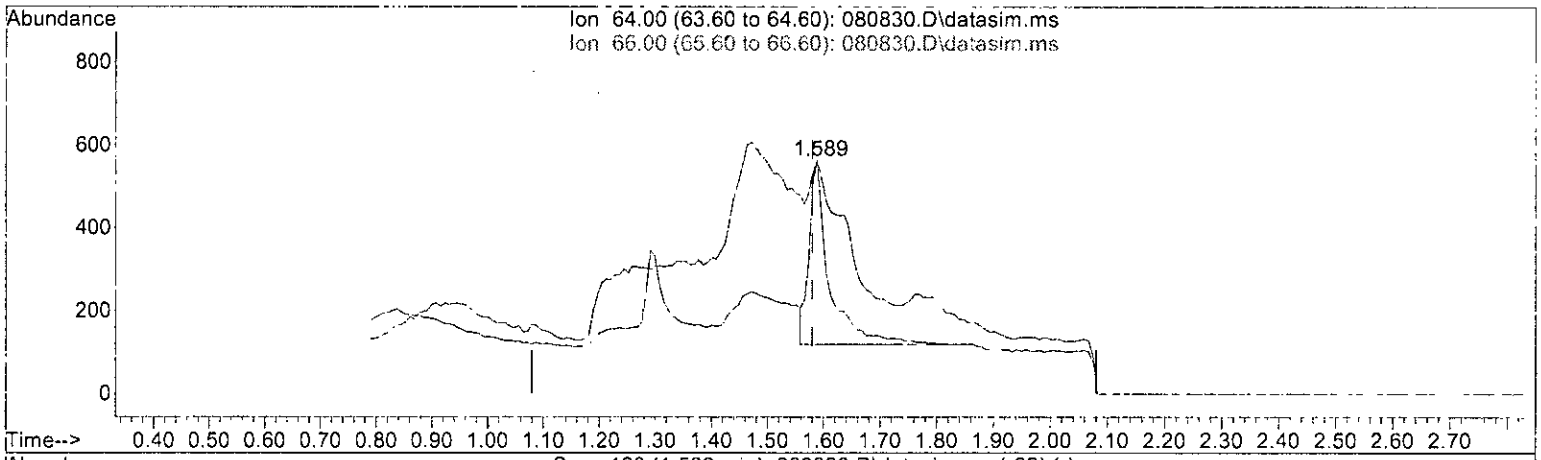
VM

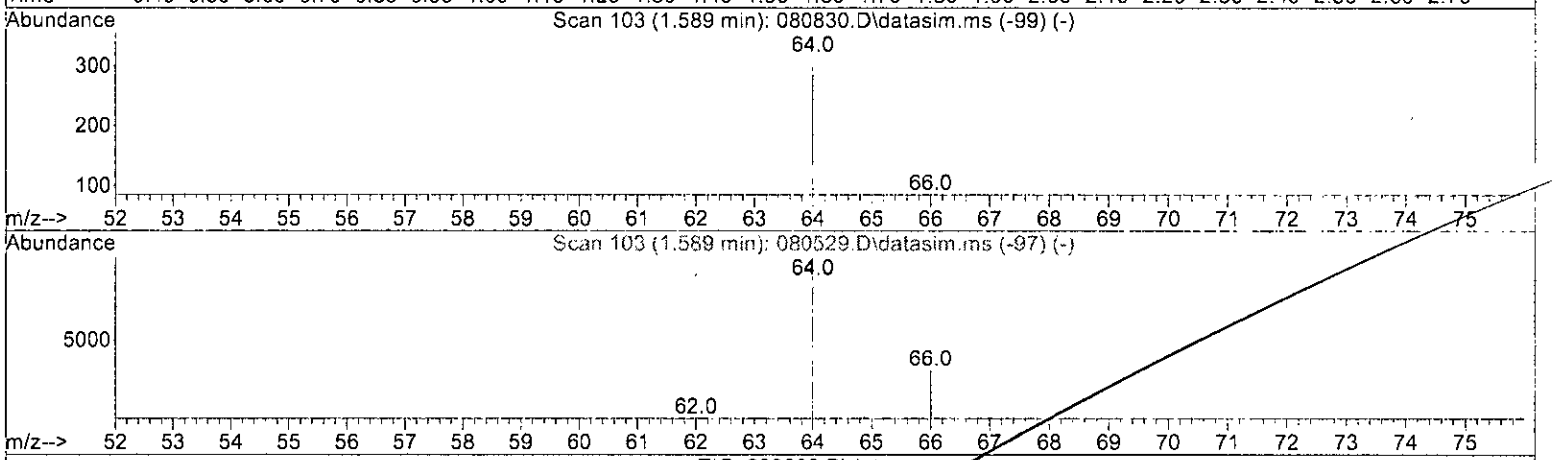
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080830.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.008) 0.385 ppb

response 1120

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	84.20#
0.00	0.00	0.00
0.00	0.00	0.00

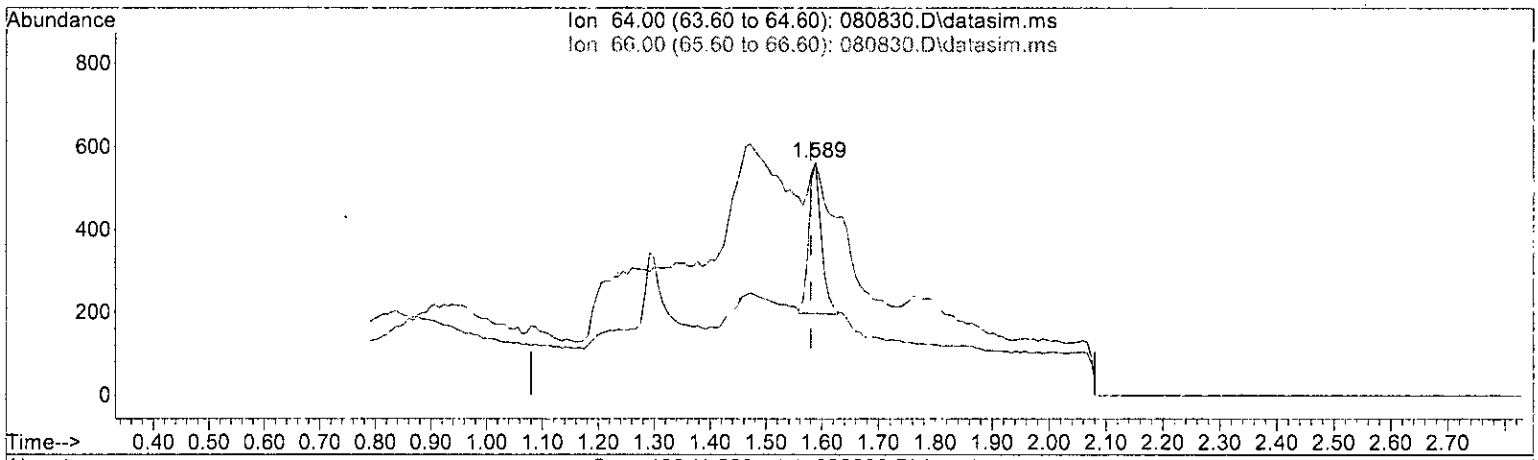
VM

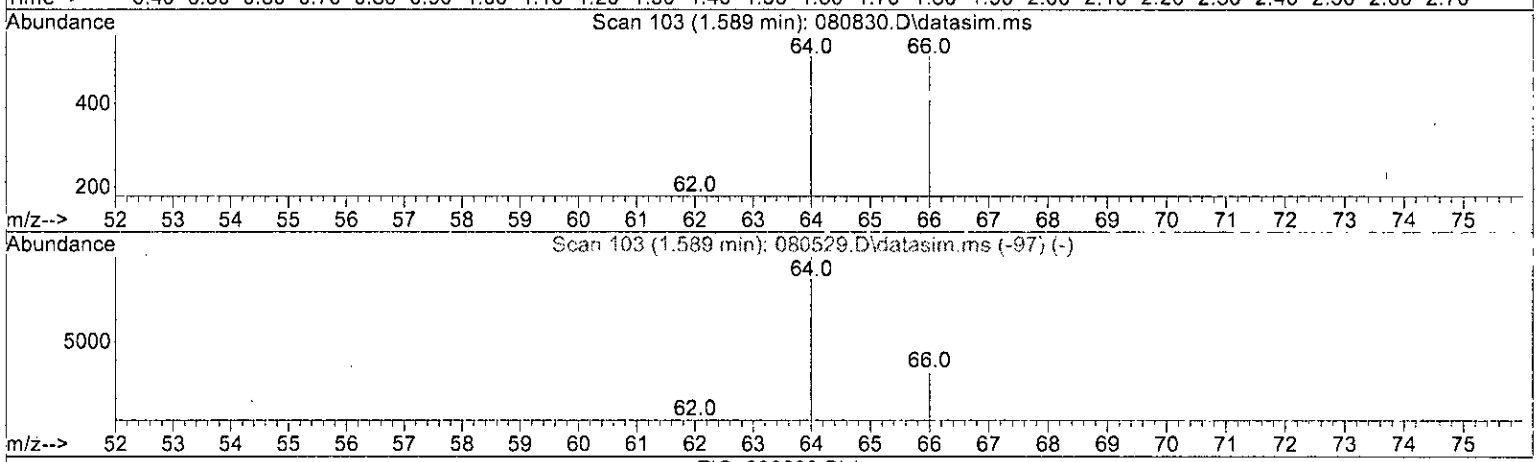
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080830.D\data.ms

(8) Chloroethane (TMP)

1.589min (+ 0.008) 0.197 ppb m

response 573

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	100.36#
0.00	0.00	0.00
0.00	0.00	0.00

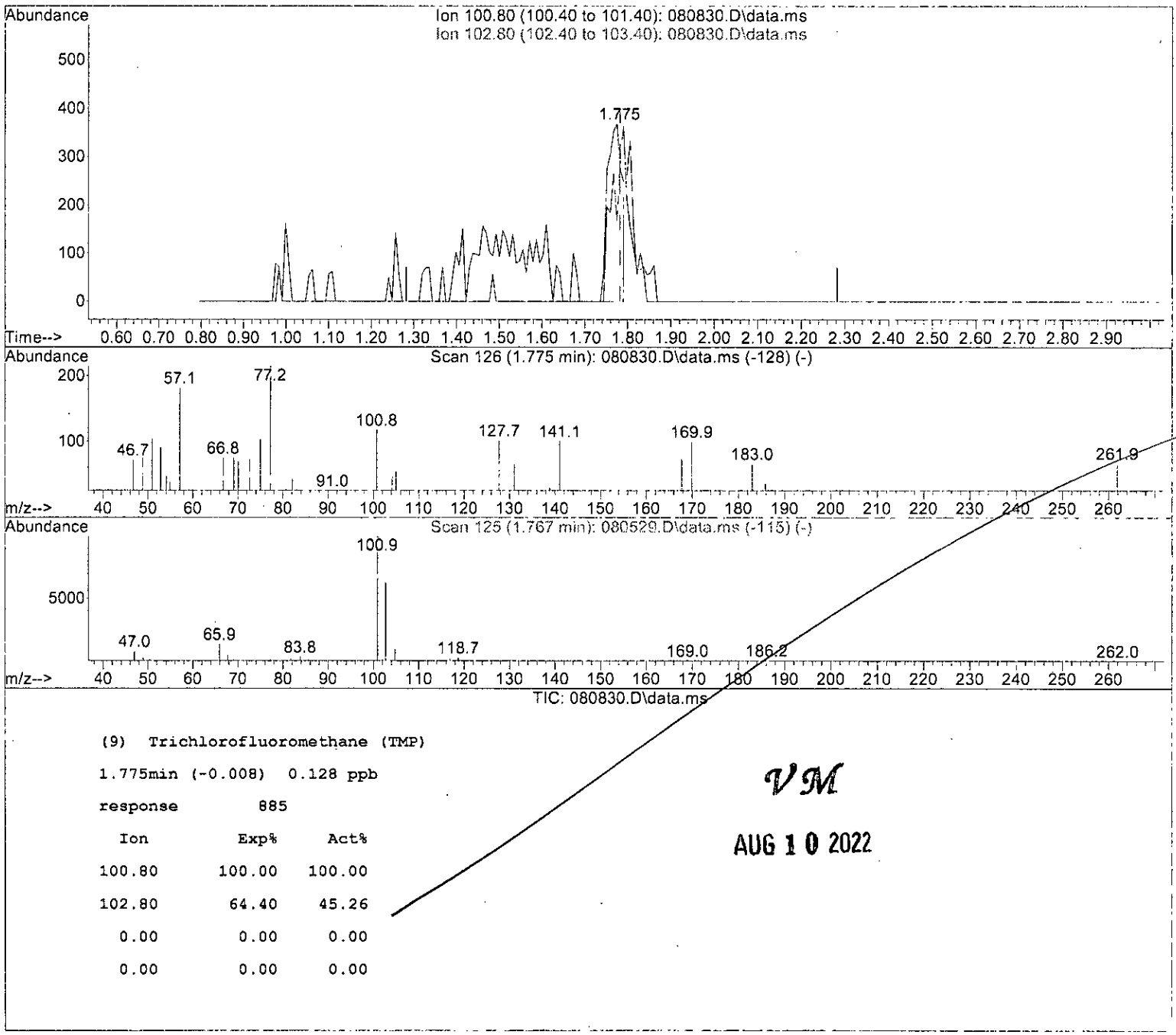
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.008) 0.128 ppb

response 885

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	45.26
0.00	0.00	0.00
0.00	0.00	0.00

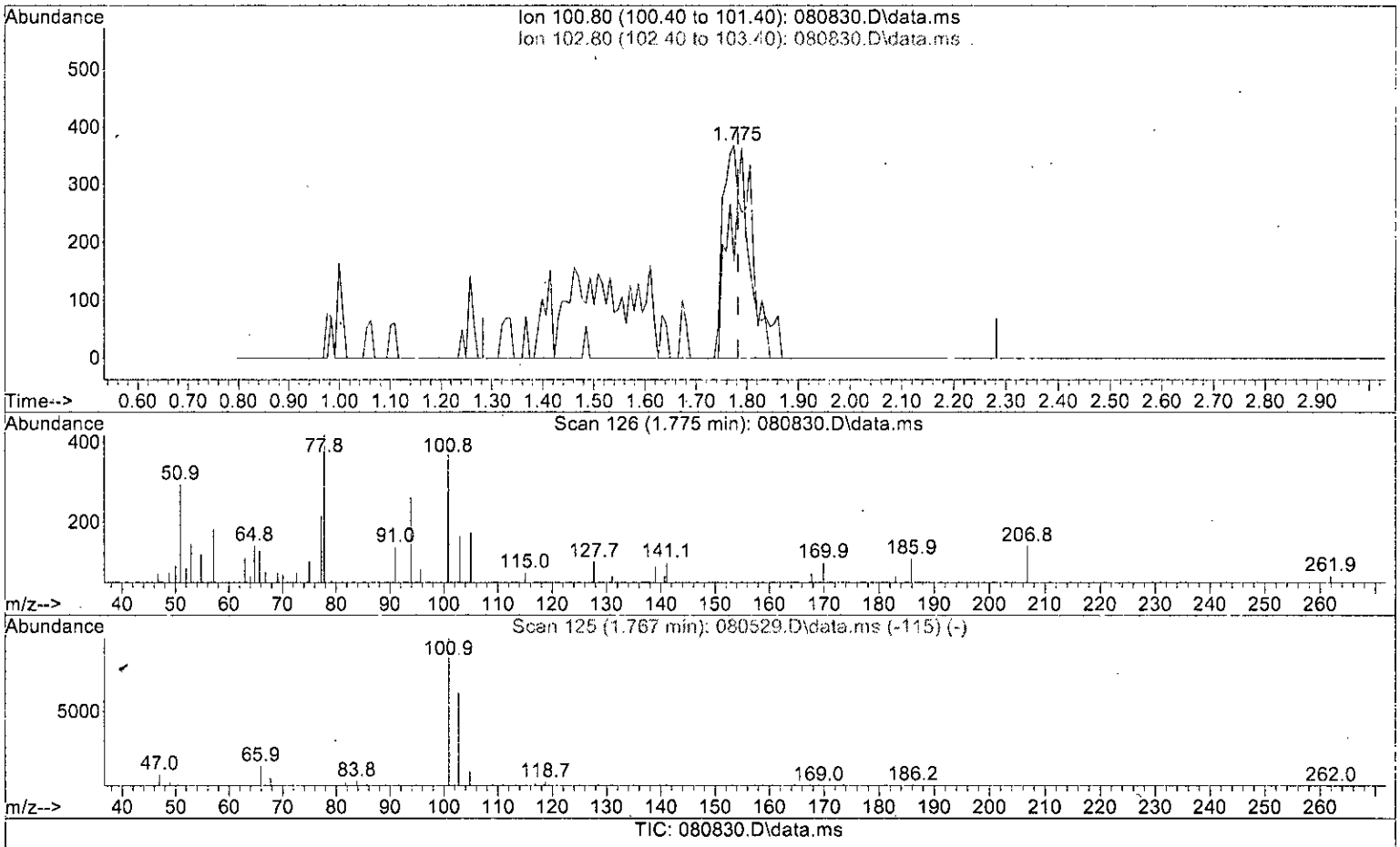
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.008) 0.194 ppb m

response 1339

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	45.26
0.00	0.00	0.00
0.00	0.00	0.00

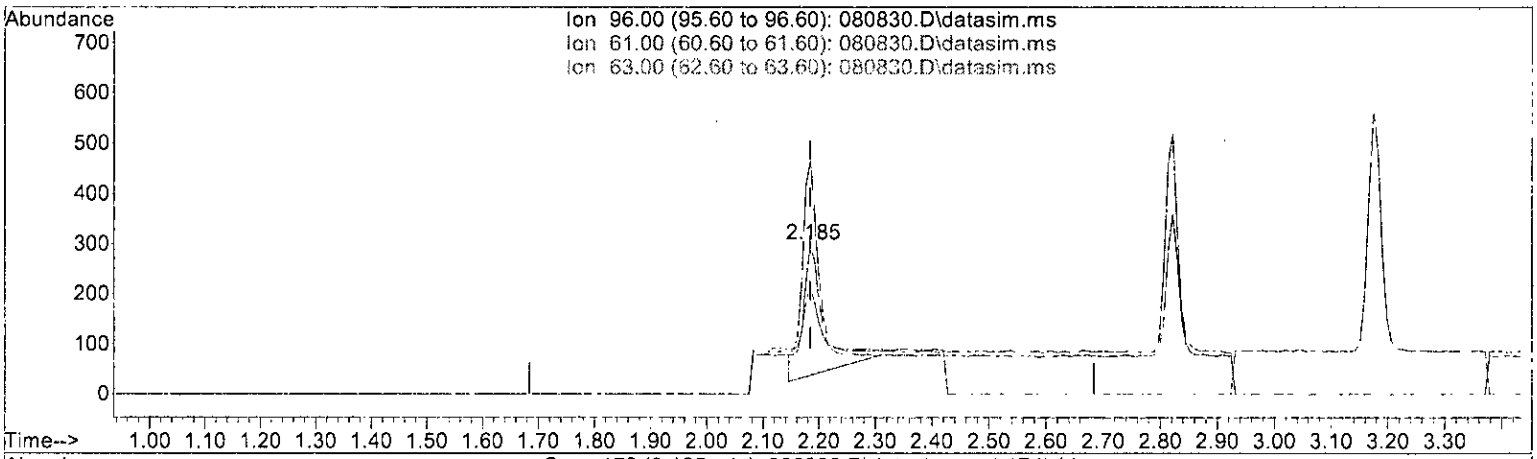
VM

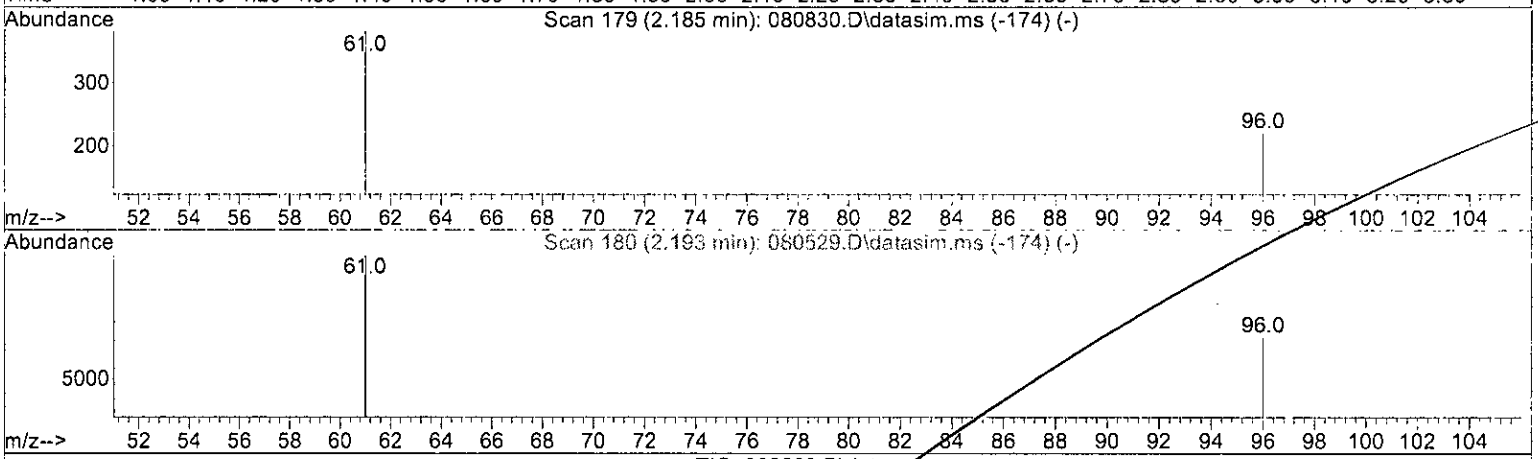
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080830.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.185min (-0.000) 0.328 ppb

response 644

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	170.85
63.00	53.80	56.95
0.00	0.00	0.00

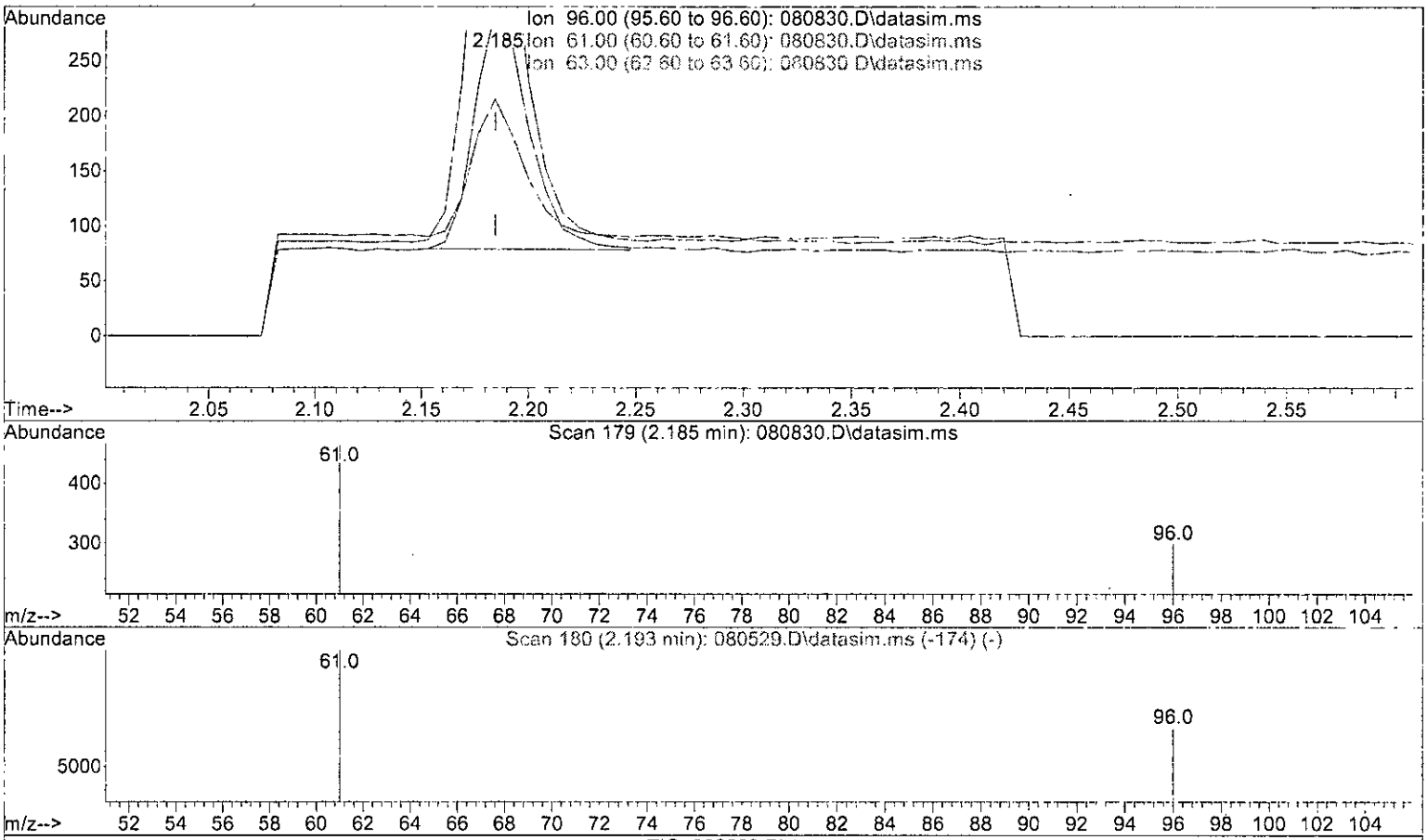
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.185min (-0.000) 0.194 ppb m

response 380

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	155.85
63.00	53.80	71.91
0.00	0.00	0.00

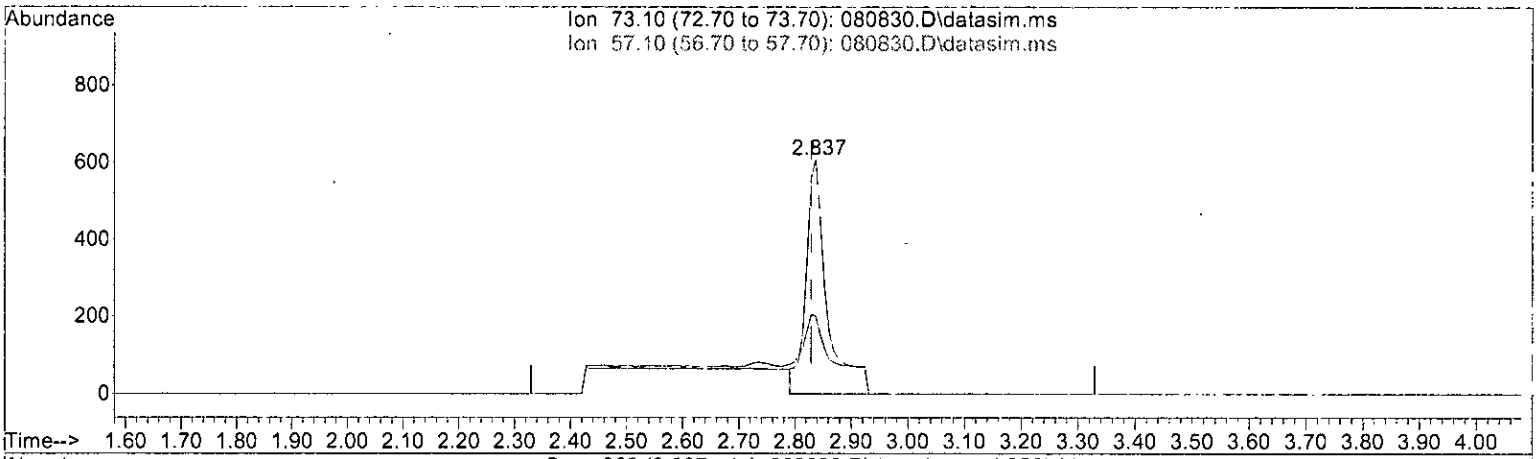
VM

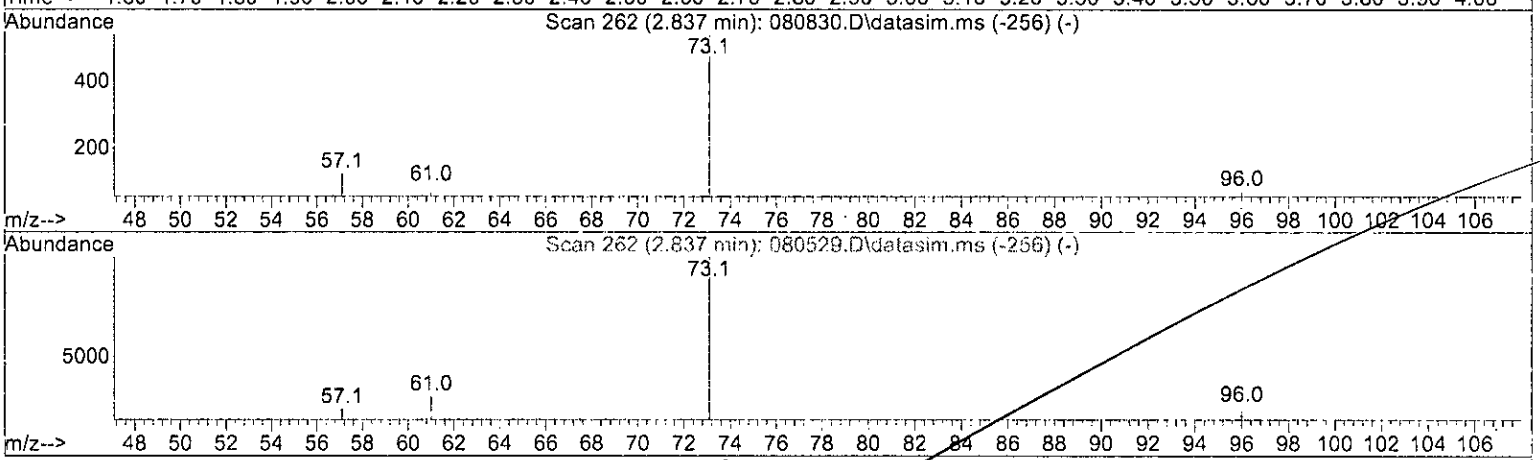
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080830.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.007) 0.292 ppb

response 1585

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	33.17
0.00	0.00	0.00
0.00	0.00	0.00

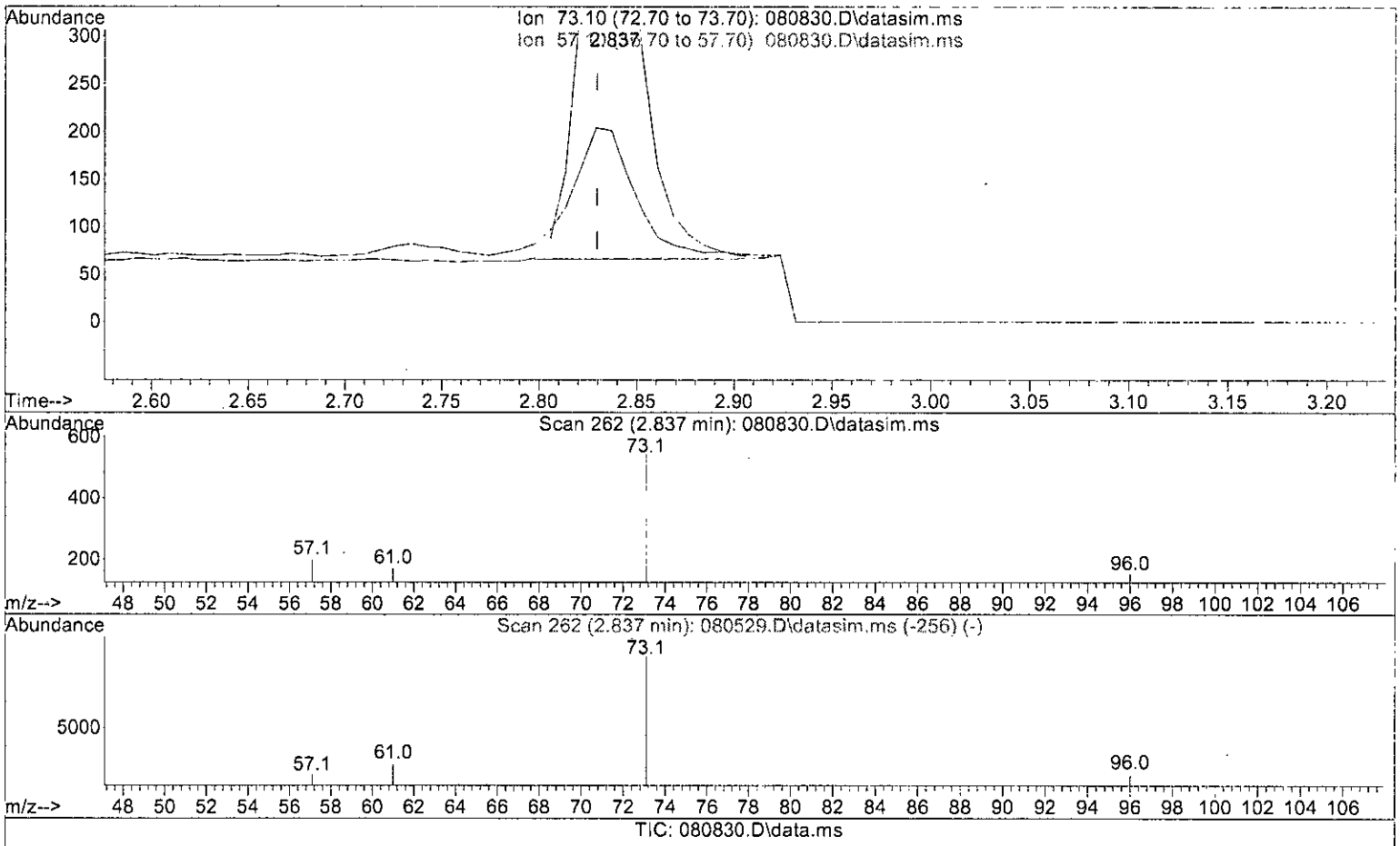
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.007) 0.194 ppb m

response 1050

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	33.17
0.00	0.00	0.00
0.00	0.00	0.00

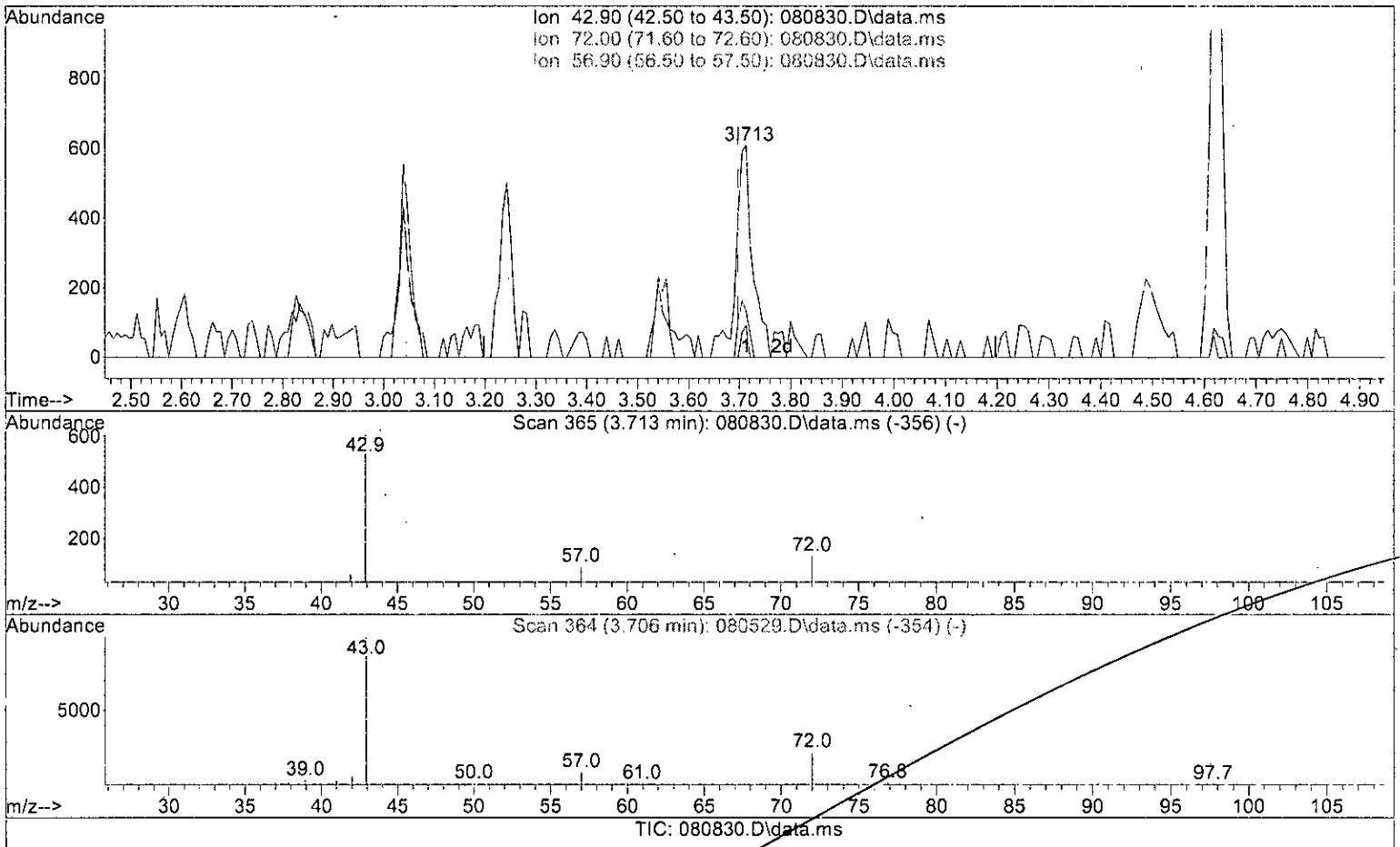
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(24) 2-Butanone (MEK) (TMP)

3.713min (+ 0.015) 1.157 ppb

response 1410

Ion	Exp%	Act%
42.90	100.00	100.00
72.00	23.30	22.00
56.90	8.30	15.11
0.00	0.00	0.00

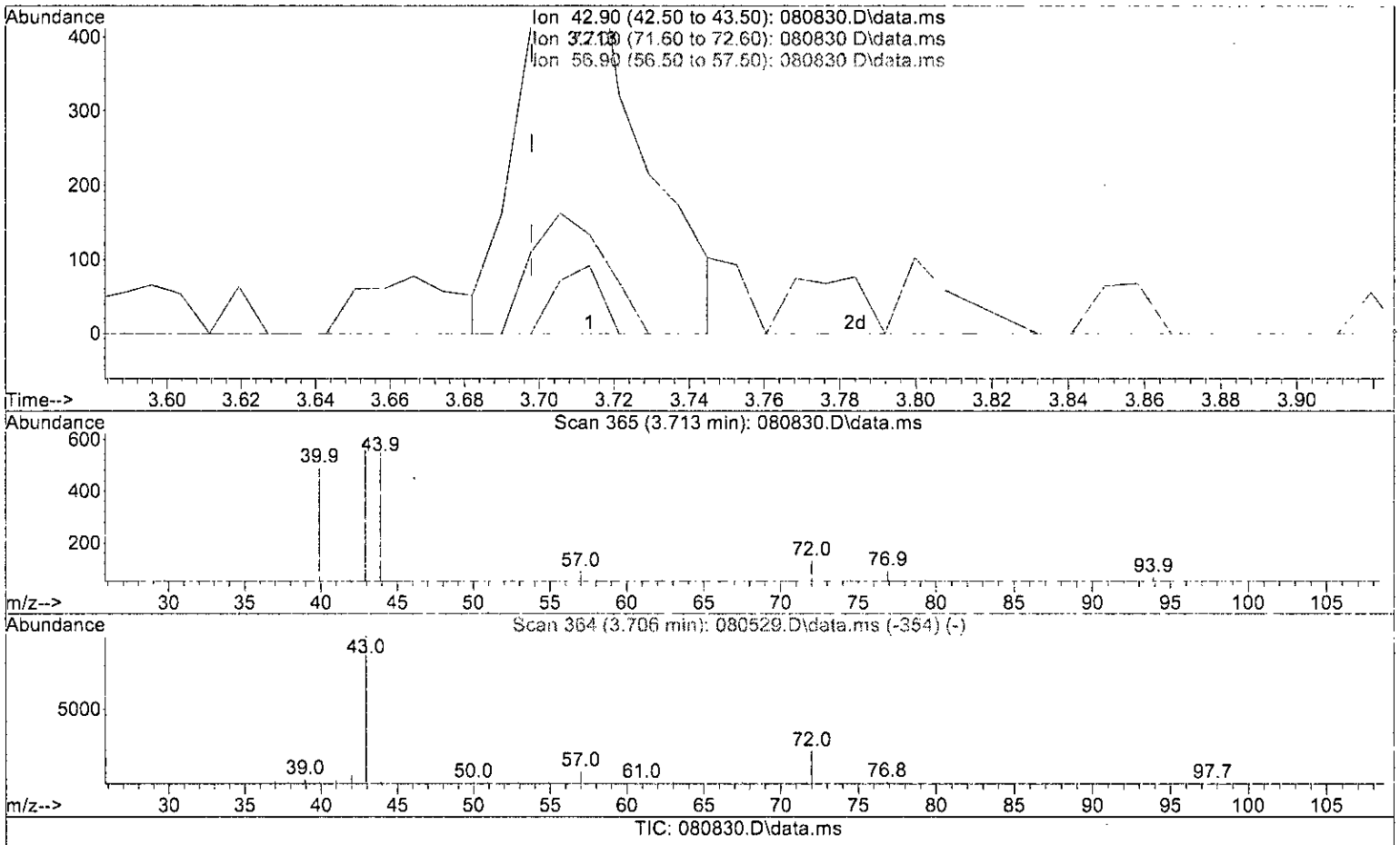
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:15:42 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080830.D\data.ms

(24) 2-Butanone (MEK) (TMP)

3.713min (+ 0.015) 0.941 ppb m

response 1221

Ion	Exp%	Act%
42.90	100.00	100.00
72.00	23.30	22.00
56.90	8.30	15.11
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	71982	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	56014	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31937	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19977	10.135	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%			
30) 1,2-Dichloroethane-d4	4.35	102	4185	9.806	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.10%			
35) Toluene-d8	5.98	98	69347	10.017	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.20%			
57) 4-Bromofluorobenzene	8.38	95	26586	10.075	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.70%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.29	62	1100m	0.191	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8] Chloroethane	1.59	64	573m	0.197	ppb	
9) Trichlorofluoromethane	1.77	101	1339m	0.194	ppb	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.18	96	380m	0.194	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16] Methyl t-butyl ether (...	2.84	73	1050m	0.194	ppb	
17] trans-1,2-Dichloroethene	2.82	96	424	0.192	ppb	93
18) Diisopropyl ether (DIPE)	3.24	45	1416	0.210	ppb	97
19] 1,1-Dichloroethane	3.17	63	764	0.196	ppb	99
20) Ethyl t-butyl ether (E...	3.55	87	505	0.213	ppb	92
21) 2,2-Dichloropropane	3.66	77	652	0.177	ppb	87
22] cis-1,2-Dichloroethene	3.66	96	453	0.196	ppb	96
23) Chloroform	3.94	83	726	0.205	ppb	94
24) 2-Butanone (MEK)	3.71	43	1221m	0.941	ppb	
25) t-Amyl methyl ether (T...	4.49	73	1081	0.207	ppb	83
26] 1,2-Dichloroethane (EDC)	4.41	62	628	0.198	ppb	98
27] 1,1,1-Trichloroethane	4.07	97	640	0.198	ppb	99

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	4.21	75	571	0.213	ppb		79
29)	Carbon tetrachloride	4.21	117	518	0.184	ppb		92
31]	Benzene	4.38	78	1544	0.194	ppb		98
32]	Trichloroethene	4.93	95	452	0.195	ppb		95
33)	1,2-Dichloropropane	5.13	63	509	0.246	ppb	#	87
34)	Bromodichloromethane	5.37	83	506	0.201	ppb		75
36)	Dibromomethane	5.23	93	291	0.243	ppb		77
37)	4-Methyl-2-pentanone	5.91	85	306	1.043	ppb	#	74
38)	cis-1,3-Dichloropropene	5.75	75	532	0.188	ppb		63
40]	Toluene	6.03	92	1236	0.191	ppb		98
41)	trans-1,3-Dichloropropene	6.25	75	607	0.235	ppb		72
42]	1,1,2-Trichloroethane	6.40	83	288	0.205	ppb		97
43)	2-Hexanone	6.64	43	1706	1.275	ppb		75
44)	1,3-Dichloropropane	6.55	76	584	0.235	ppb		94
45]	Tetrachloroethene	6.51	164	443	0.196	ppb		97
46)	Dibromochloromethane	6.75	129	394	0.209	ppb		75
47]	1,2-Dibromoethane (EDB)	6.85	107	351	0.200	ppb		98
48)	Chlorobenzene	7.30	112	1178	0.215	ppb		95
49]	Ethylbenzene	7.40	91	1854	0.197	ppb		100
50)	1,1,1,2-Tetrachloroethane	7.38	131	360	0.183	ppb		85
51]	m,p-Xylene	7.52	106	1441	0.391	ppb		99
52]	o-Xylene	7.88	106	710	0.195	ppb		99
53)	Styrene	7.90	104	1096	0.198	ppb		86
54)	Isopropylbenzene	8.23	105	1940	0.215	ppb		97
55)	Bromoform	8.08	173	202	0.158	ppb		67
58)	n-Propylbenzene	8.63	91	2220	0.219	ppb		93
59)	Bromobenzene	8.52	156	531	0.210	ppb		87
60)	1,3,5-Trimethylbenzene	8.80	105	1649	0.219	ppb		89
61)	1,1,2,2-Tetrachloroethane	8.53	83	470	0.227	ppb		73
62)	1,2,3-Trichloropropane	8.57	75	257	0.177	ppb		75
63)	2-Chlorotoluene	8.70	91	1386	0.230	ppb		90
64)	4-Chlorotoluene	8.81	91	1441	0.207	ppb		95
65)	tert-Butylbenzene	9.10	119	1412	0.210	ppb		89
66)	1,2,4-Trimethylbenzene	9.15	105	1651	0.213	ppb		80
67)	sec-Butylbenzene	9.32	105	2029	0.206	ppb		92
68)	p-Isopropyltoluene	9.46	119	1789	0.211	ppb		95
69)	1,3-Dichlorobenzene	9.42	146	996	0.210	ppb		94
70)	1,4-Dichlorobenzene	9.51	146	1056	0.228	ppb		87
71)	1,2-Dichlorobenzene	9.87	146	981	0.211	ppb		83
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73)	1,2,4-Trichlorobenzene	11.45	180	752	0.214	ppb		93

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

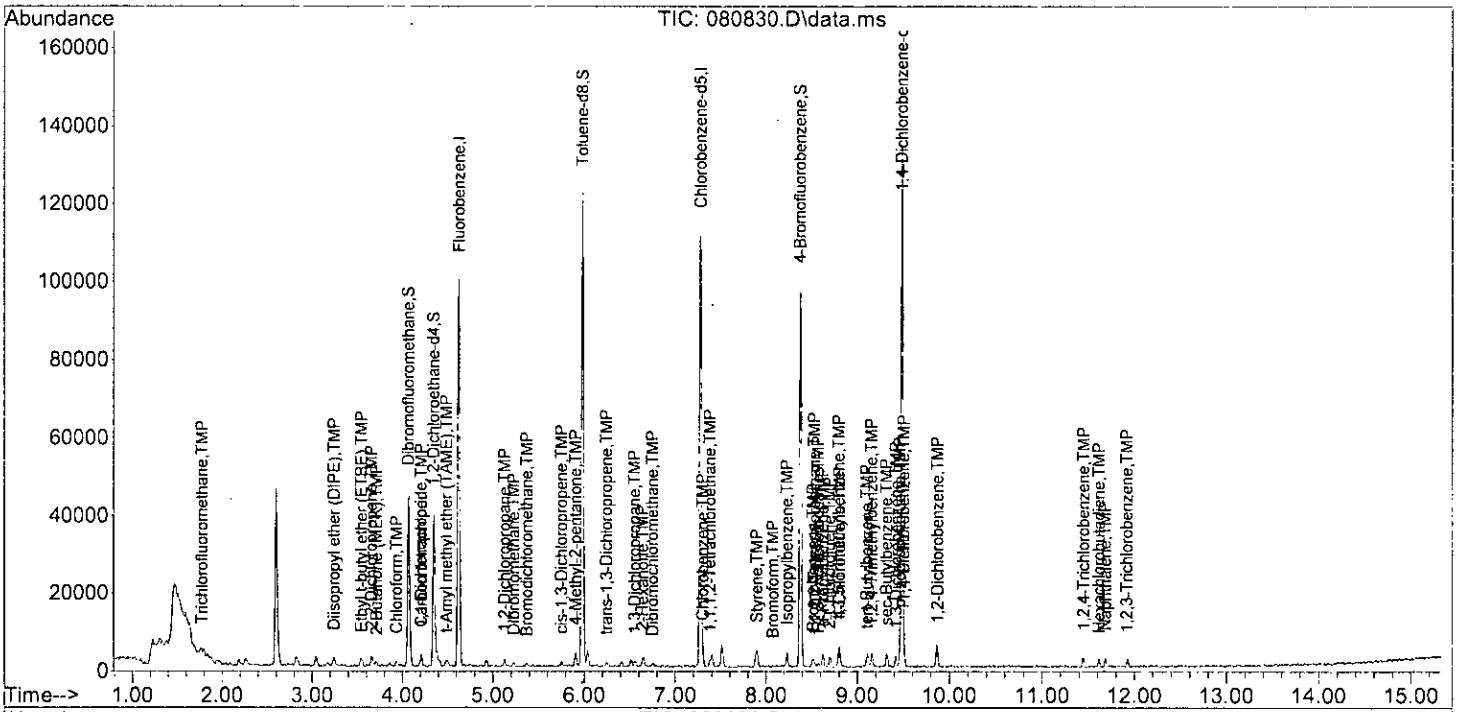
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
74) Hexachlorobutadiene	11.62	225	399	0.206	ppb		90
75) Naphthalene	11.69	128	1332	0.198	ppb		90
76) 1,2,3-Trichlorobenzene	11.92	180	670	0.213	ppb	#	72

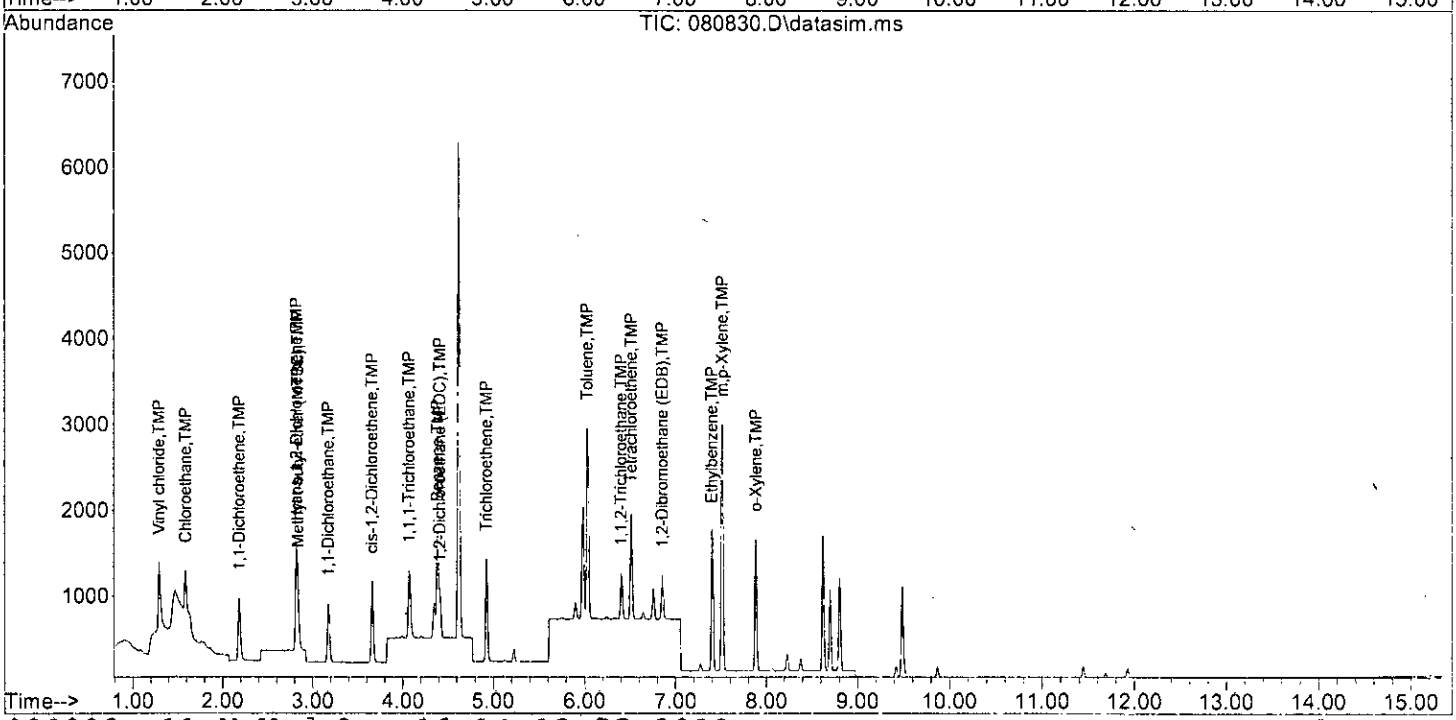
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.135	-1.3	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.09#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.200	0.191	4.5	100	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8	TMP	Chloroethane	0.200	0.197	1.5	104	0.00
9	TMP	Trichlorofluoromethane	0.200	0.194	3.0	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.25#
12	TMP	1,1-Dichloroethene	0.200	0.194	3.0	97	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.04#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.194	3.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.200	0.192	4.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.200	0.210	-5.0	100	0.00
19	TMP	1,1-Dichloroethane	0.200	0.196	2.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.213	-6.5	100	0.00
21	TMP	2,2-Dichloropropane	0.200	0.177	11.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.200	0.196	2.0	100	0.00
23	TMP	Chloroform	0.200	0.205	-2.5	100	0.00
24	TMP	2-Butanone (MEK)	1.000	0.941	5.9	97	0.02
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.207	-3.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.198	1.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.200	0.198	1.0	100	0.00
28	TMP	1,1-Dichloropropene	0.200	0.213	-6.5	100	0.00
29	TMP	Carbon tetrachloride	0.200	0.184	8.0	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.806	1.9	100	0.00
31	TMP	Benzene	0.200	0.194	3.0	100	0.00
32	TMP	Trichloroethene	0.200	0.195	2.5	100	0.00
33	TMP	1,2-Dichloropropane	0.200	0.246	-23.0#	100	0.00
34	TMP	Bromodichloromethane	0.200	0.201	-0.5	100	0.00
35	S	Toluene-d8	10.000	10.017	-0.2	100	0.00
36	TMP	Dibromomethane	0.200	0.243	-21.5#	100	0.00
37	TMP	4-Methyl-2-pentanone	1.000	1.043	-4.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.200	0.188	6.0	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.191	4.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.200	0.235	-17.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.200	0.205	-2.5	100	0.00
43	TMP	2-Hexanone	1.000	1.275	-27.5#	100	0.00
44	TMP	1,3-Dichloropropane	0.200	0.235	-17.5	100	0.00
45	TMP	Tetrachloroethene	0.200	0.196	2.0	100	0.00
46	TMP	Dibromochloromethane	0.200	0.209	-4.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.200	0.0	100	0.00
48	TMP	Chlorobenzene	0.200	0.215	-7.5	100	0.00
49	TMP	Ethylbenzene	0.200	0.197	1.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.183	8.5	100	0.00
51	TMP	m,p-Xylene	0.400	0.391	2.3	100	0.00
52	TMP	o-Xylene	0.200	0.195	2.5	100	0.00
53	TMP	Styrene	0.200	0.198	1.0	100	0.00
54	TMP	Isopropylbenzene	0.200	0.215	-7.5	100	0.00
55	TMP	Bromoform	0.200	0.158	21.0#	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.075	-0.7	100	0.00
58	TMP	n-Propylbenzene	0.200	0.219	-9.5	100	0.00
59	TMP	Bromobenzene	0.200	0.210	-5.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.200	0.219	-9.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.227	-13.5	100	0.00
62	TMP	1,2,3-Trichloropropane	0.200	0.177	11.5	100	0.00
63	TMP	2-Chlorotoluene	0.200	0.230	-15.0	100	0.00
64	TMP	4-Chlorotoluene	0.200	0.207	-3.5	100	0.00
65	TMP	tert-Butylbenzene	0.200	0.210	-5.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.200	0.213	-6.5	100	0.00
67	TMP	sec-Butylbenzene	0.200	0.206	-3.0	100	0.00
68	TMP	p-Isopropyltoluene	0.200	0.211	-5.5	100	0.00
69	TMP	1,3-Dichlorobenzene	0.200	0.210	-5.0	100	0.00
70	TMP	1,4-Dichlorobenzene	0.200	0.228	-14.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.200	0.211	-5.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	0.200	0.214	-7.0	100	0.00
74 TMP	Hexachlorobutadiene	0.200	0.206	-3.0	100	0.00
75 TMP	Naphthalene	0.200	0.198	1.0	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.200	0.213	-6.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
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InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.278	-1.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.000#	100.0#	0#	-1.09#
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.799	0.764	4.4	100	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	-1.52#
8	TMP	Chloroethane	0.404	0.398	1.5	104	0.00
9	TMP	Trichlorofluoromethane	0.957	0.930	2.8	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.25#
12	TMP	1,1-Dichloroethene	0.273	0.264	3.3	97	0.00
13	TMP	Hexane	0.415	0.000#	100.0#	0#	-3.04#
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.729	3.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.295	6.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.984	-4.9	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.531	1.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.351	-6.4	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.453	-42.0#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.315	3.1	100	0.00
23	TMP	Chloroform	0.491	0.504	-2.6	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.170	-29.8#	97	0.02
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.751	-3.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.436	4.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.445	1.1	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.397	-6.7	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.360	7.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.058	1.7	100	0.00
31	TMP	Benzene	1.115	1.072	3.9	100	0.00
32	TMP	Trichloroethene	0.327	0.314	4.0	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.354	-23.3#	100	0.00
34	TMP	Bromodichloromethane	0.349	0.351	-0.6	100	0.00
35	S	Toluene-d8	0.962	0.963	-0.1	100	0.00
36	TMP	Dibromomethane	0.166	0.202	-21.7#	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.043	-4.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.370	6.1	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	1.103	-5.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.542	-17.3	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.257	-2.8	100	0.00
43	TMP	2-Hexanone	0.239	0.305	-27.6#	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.521	-17.3	100	0.00
45	TMP	Tetrachloroethene	0.421	0.395	6.2	100	0.00
46	TMP	Dibromochloromethane	0.337	0.352	-4.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.313	0.3	100	0.00
48	TMP	Chlorobenzene	0.977	1.052	-7.7	100	0.00
49	TMP	Ethylbenzene	1.708	1.655	3.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.321	8.8	100	0.00
51	TMP	m,p-Xylene	0.670	0.643	4.0	100	0.00
52	TMP	o-Xylene	0.661	0.634	4.1	100	0.00
53	TMP	Styrene	0.990	0.978	1.2	100	0.00
54	TMP	Isopropylbenzene	1.609	1.732	-7.6	100	0.00
55	TMP	Bromoform	0.228	0.180	21.1#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.832	-0.7	100	0.00
58	TMP	n-Propylbenzene	3.181	3.476	-9.3	100	0.00
59	TMP	Bromobenzene	0.791	0.831	-5.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.582	-9.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.736	-13.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.402#	11.6	100	0.00
63	TMP	2-Chlorotoluene	1.884	2.170	-15.2	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.256	-3.5	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.211	-5.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.585	-6.5	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.177	-3.2	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.801	-5.3	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.559	-4.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.653	-14.1	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.536	-5.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.000#	100.0#	0#	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080830.D
Acq On : 08 Aug 2022 07:39 pm
Operator : RF
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:04 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

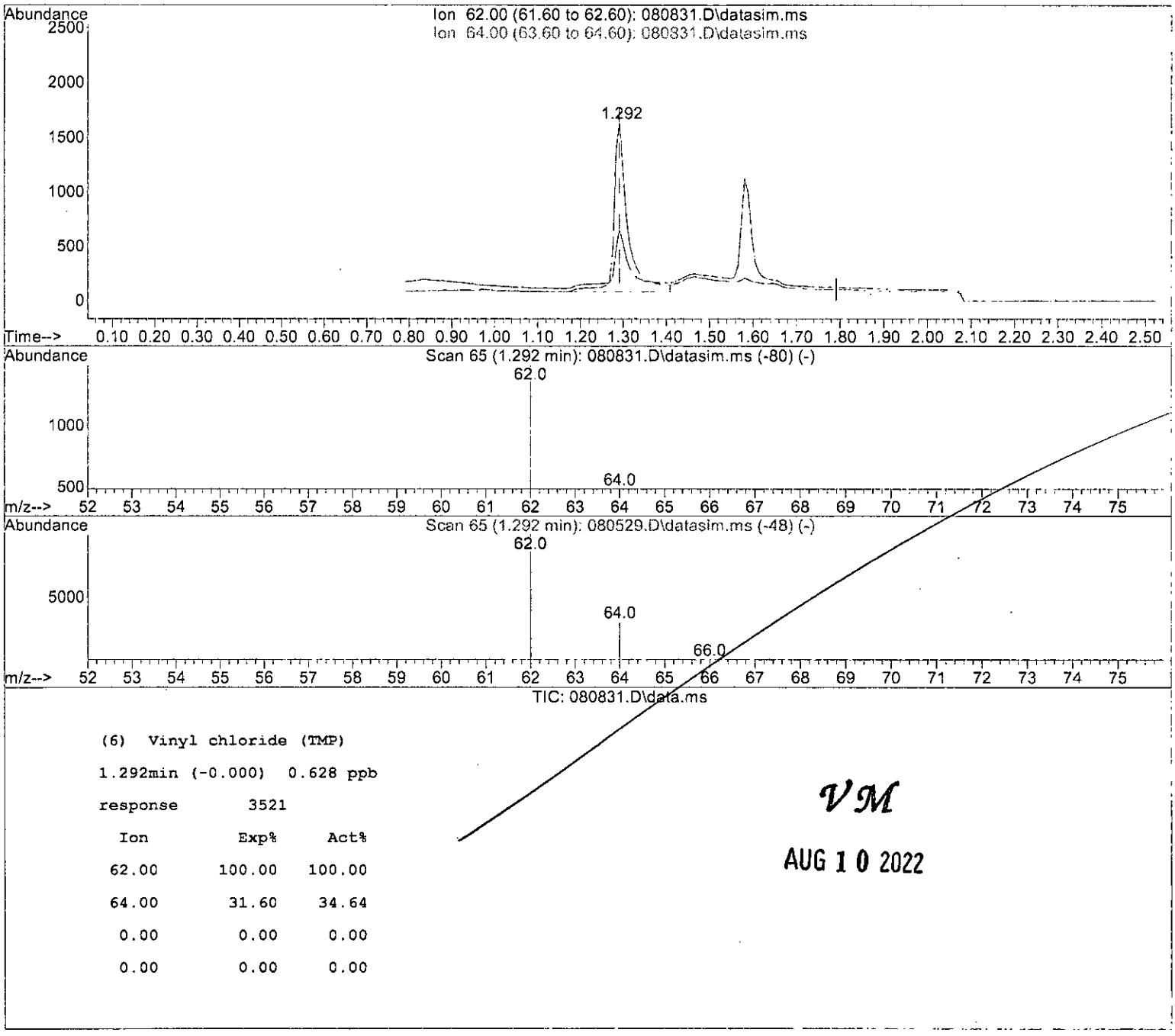
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.177	-6.9	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.625	-3.0	100	0.00
75 TMP	Naphthalene	2.108	2.085	1.1	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.049	-6.4	100	0.00

(#) = Out of Range SPCC's out = 10 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.628 ppb

response 3521

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	34.64
0.00	0.00	0.00
0.00	0.00	0.00

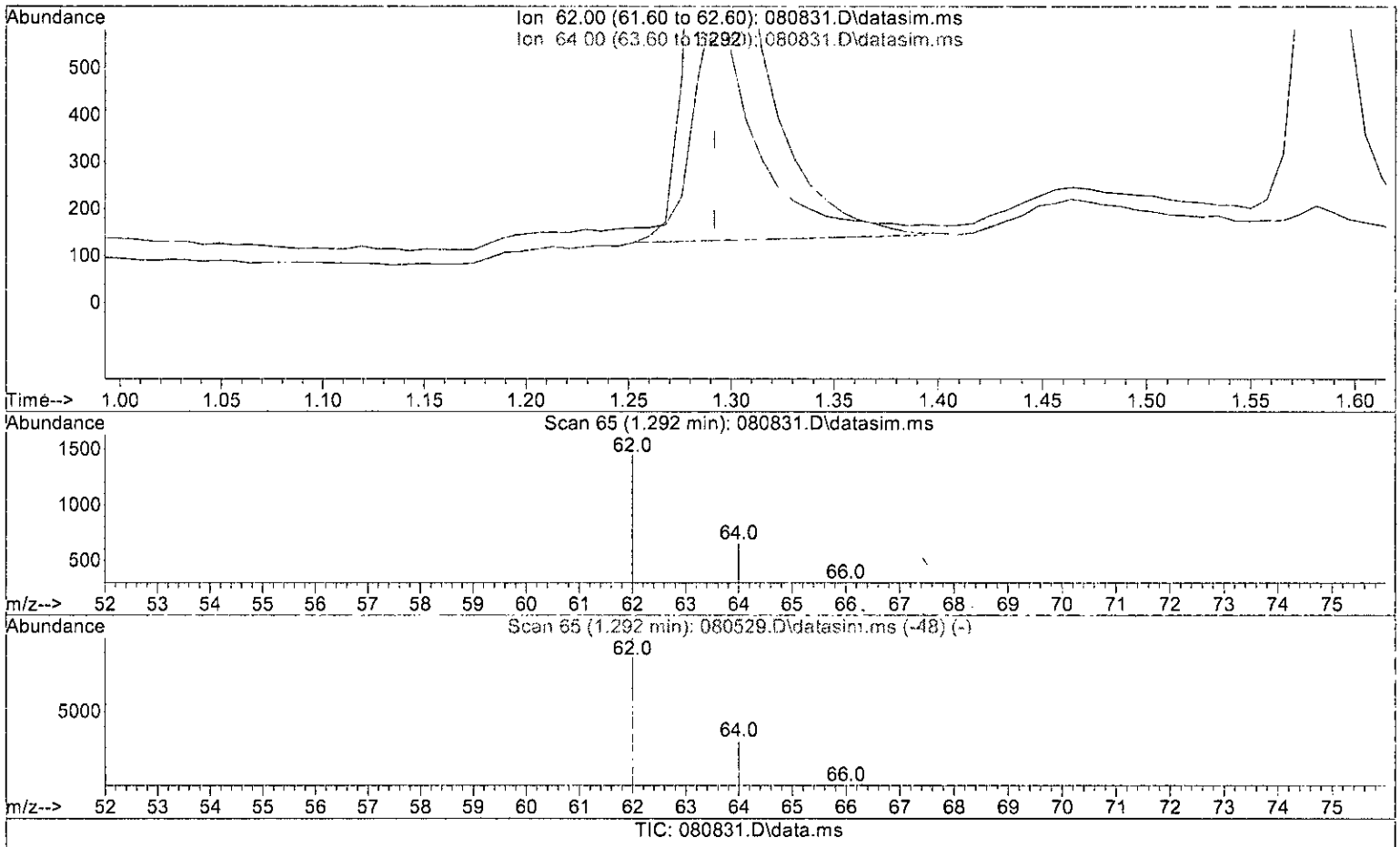
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 0.508 ppb m

response 2848

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	39.76
0.00	0.00	0.00
0.00	0.00	0.00

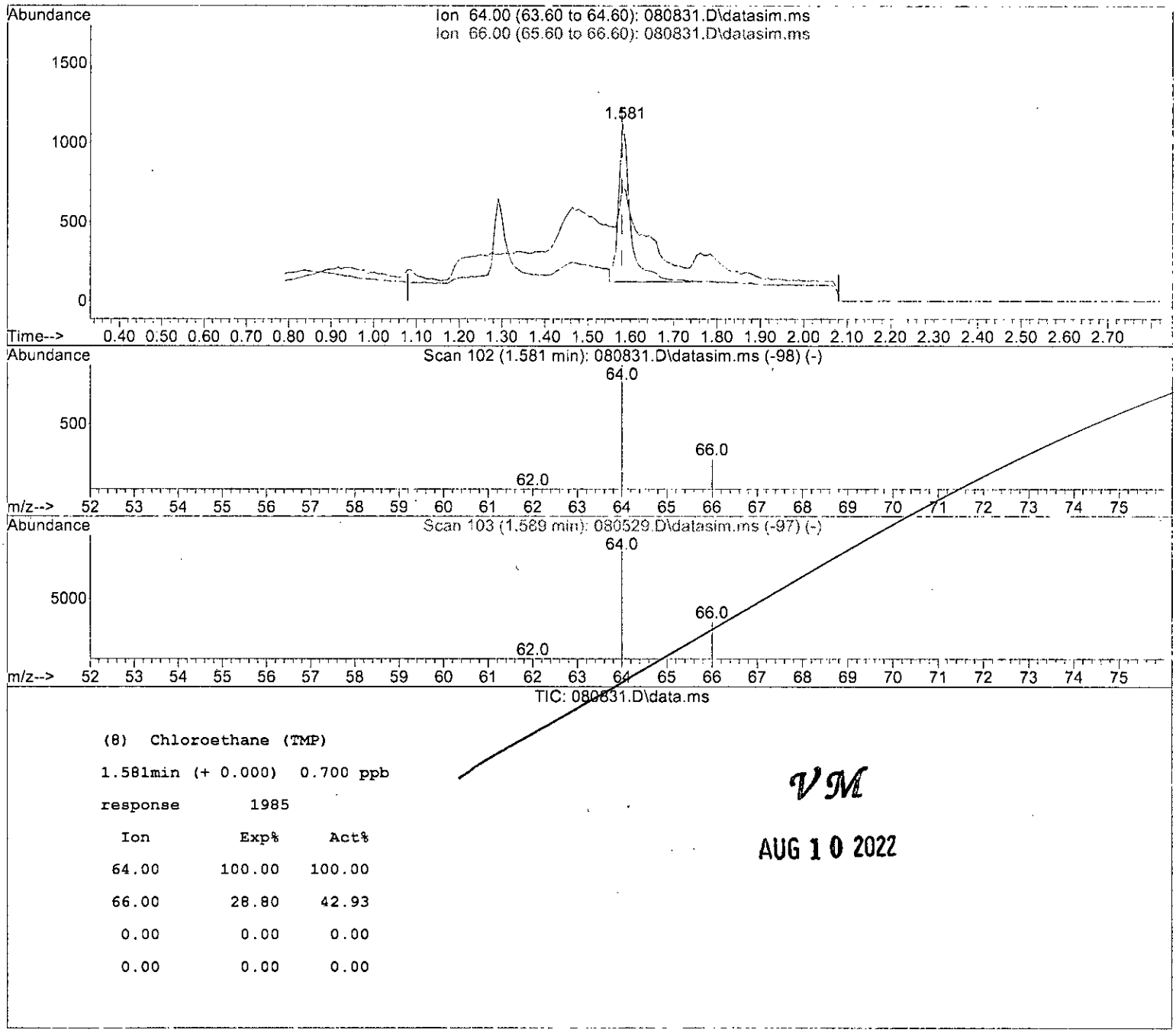
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(8) Chloroethane (TMP)

1.581min (+ 0.000) 0.700 ppb

response 1985

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	42.93
0.00	0.00	0.00
0.00	0.00	0.00

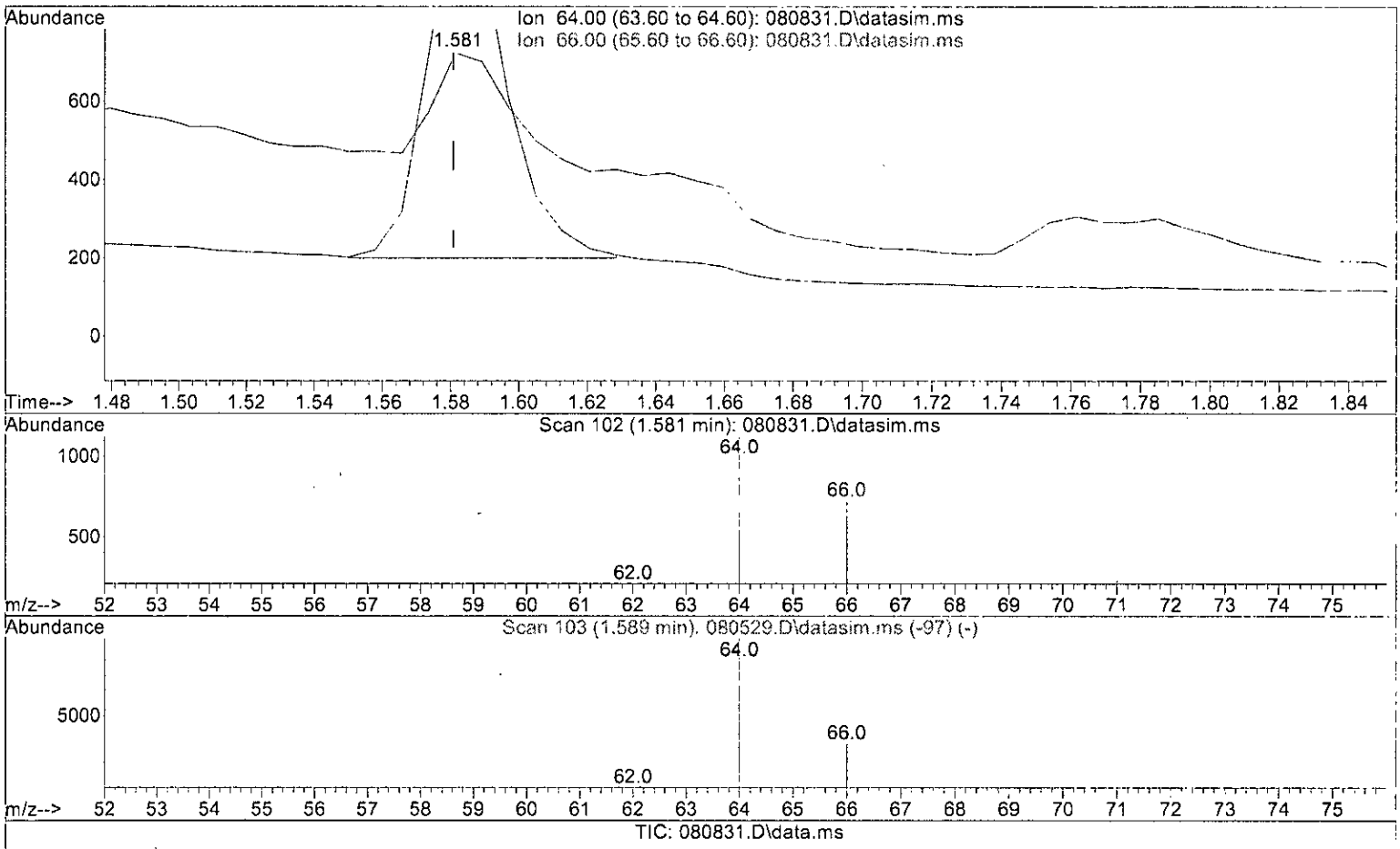
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(8) Chloroethane (TMP)

1.581min (+ 0.000) 0.503 ppb m

response 1426

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	64.15#
0.00	0.00	0.00
0.00	0.00	0.00

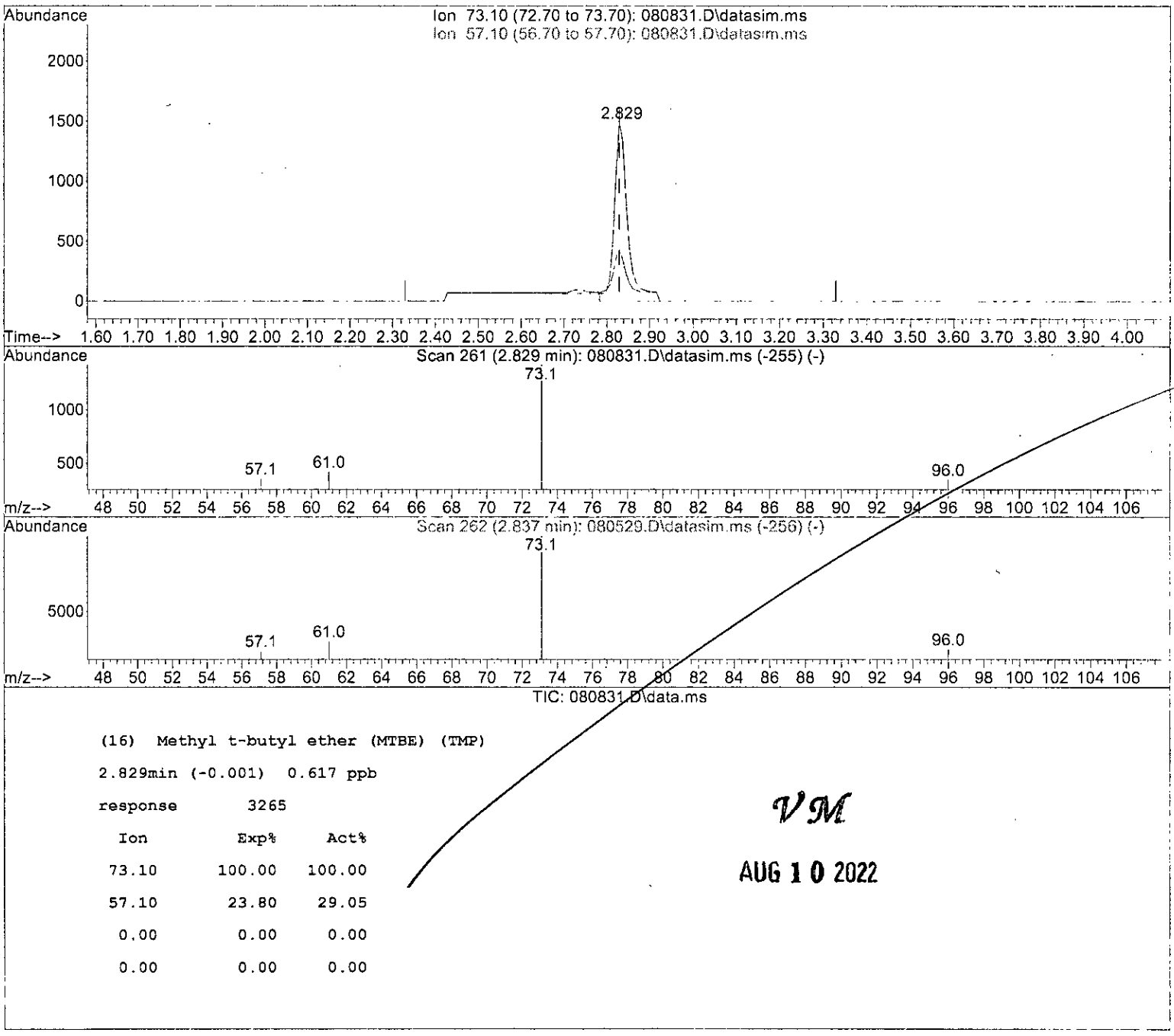
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.001) 0.617 ppb

response 3265

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	29.05
0.00	0.00	0.00
0.00	0.00	0.00

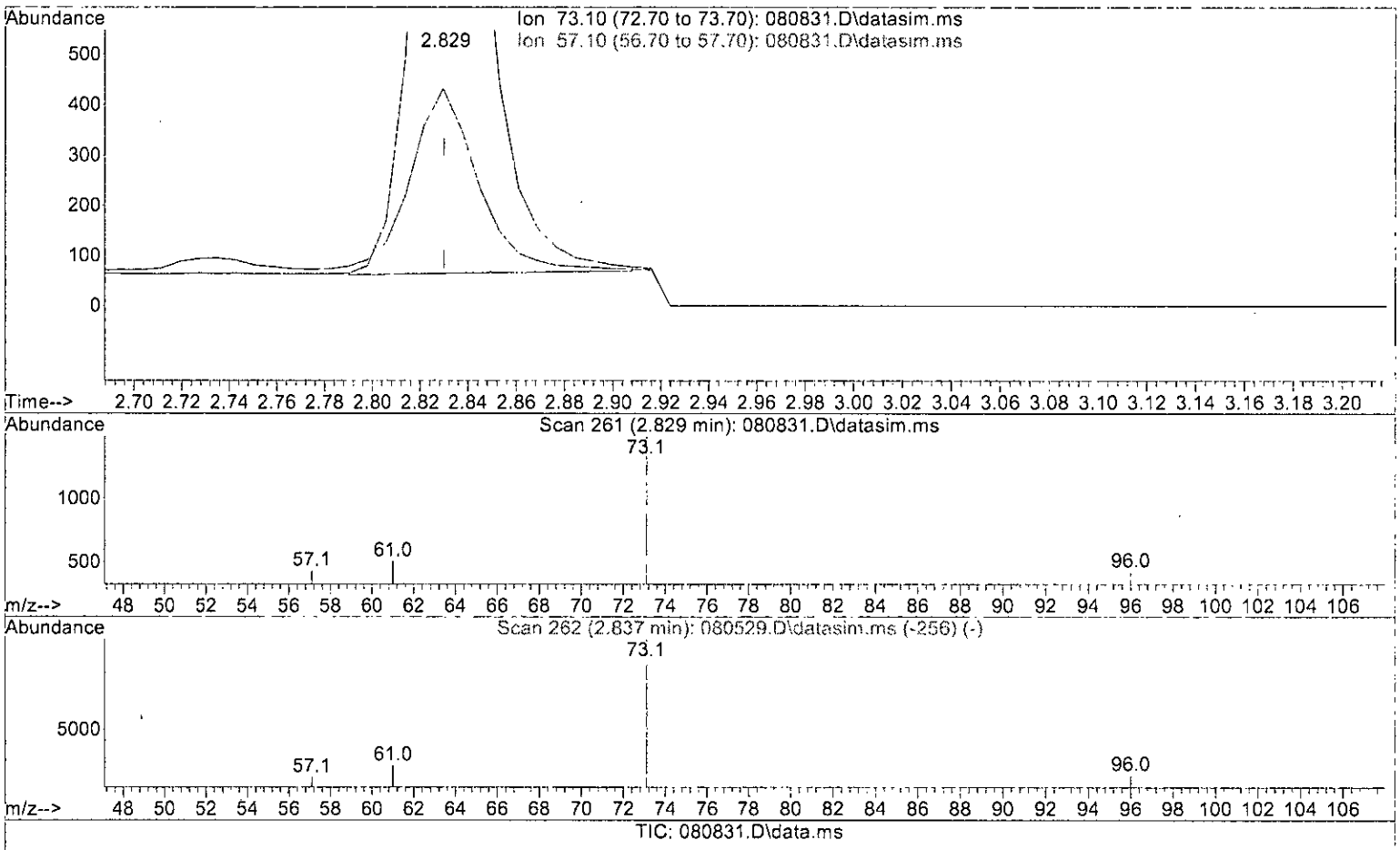
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080831.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.001) 0.516 ppb m

response 2732

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	29.05
0.00	0.00	0.00
0.00	0.00	0.00

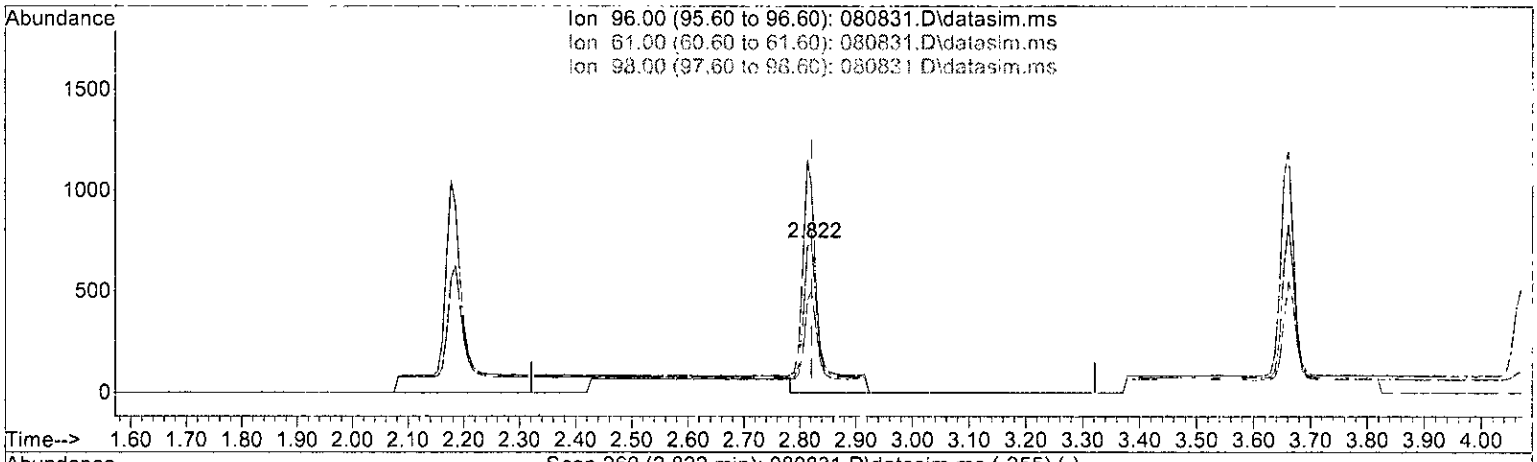
VM

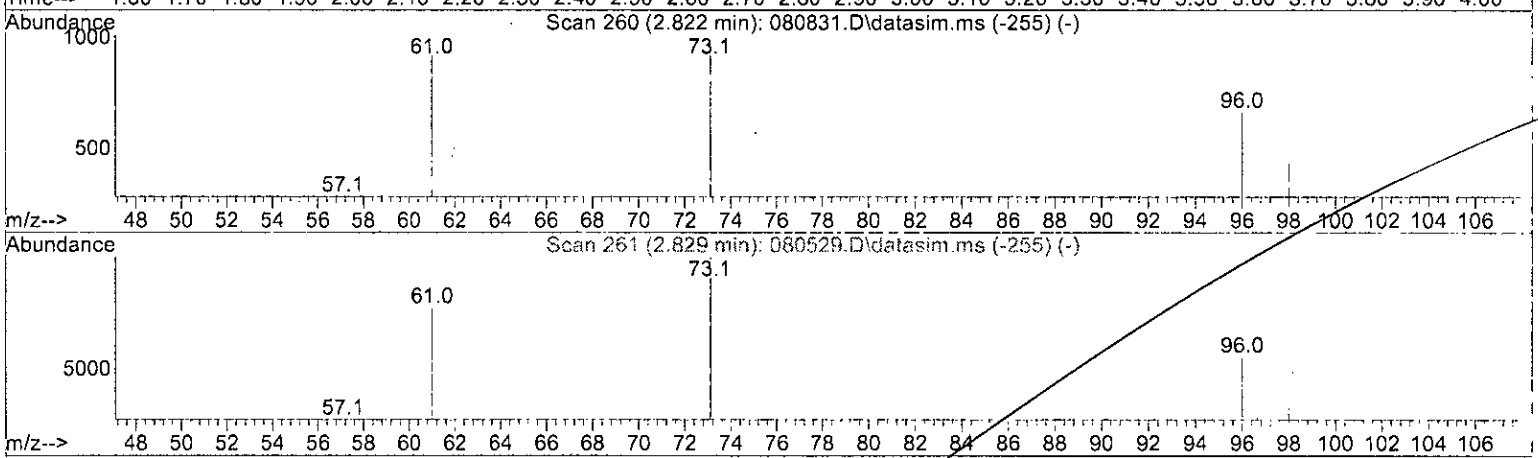
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080831.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.000) 0.806 ppb

response 1657

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	136.54
98.00	65.50	69.15
0.00	0.00	0.00

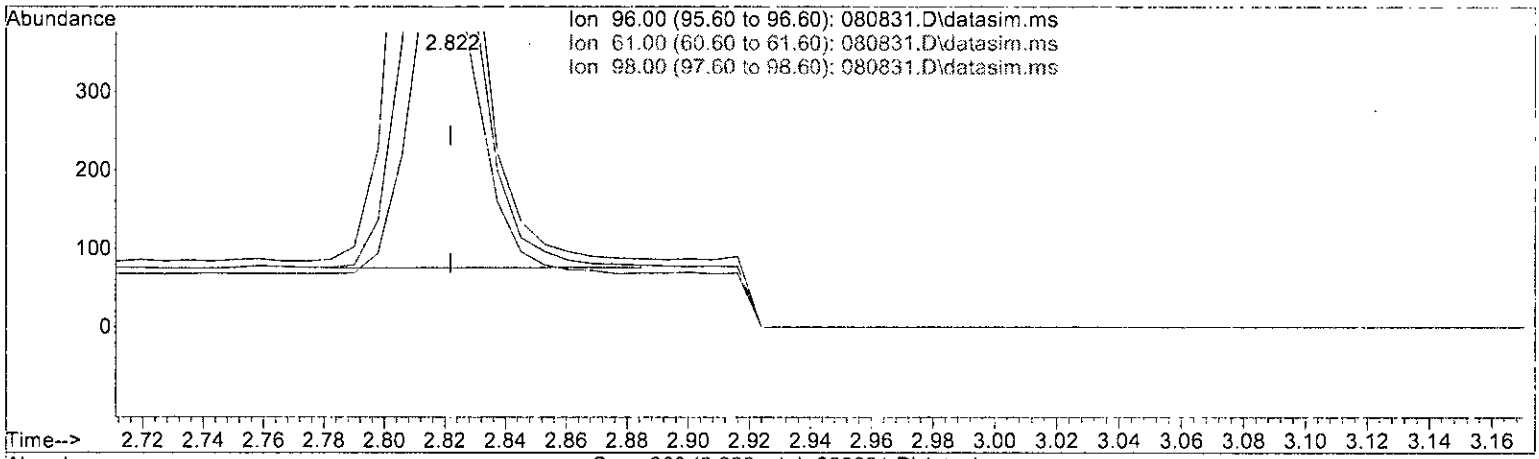
VM

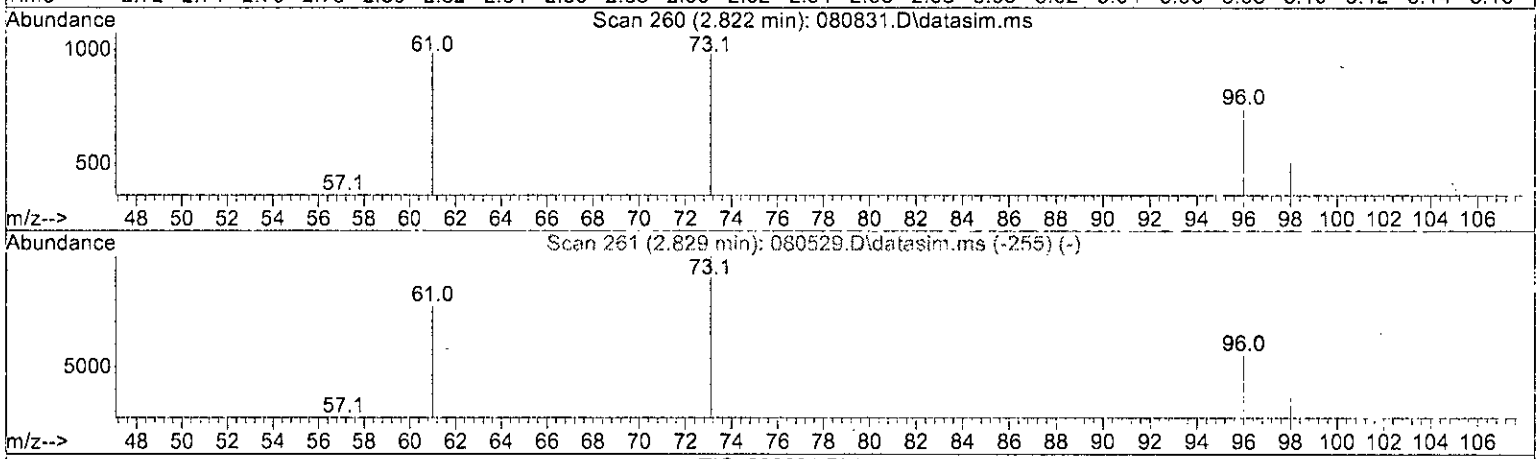
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080831.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.000) 0.505 ppb m

response 1048

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	136.54
98.00	65.50	69.15
0.00	0.00	0.00

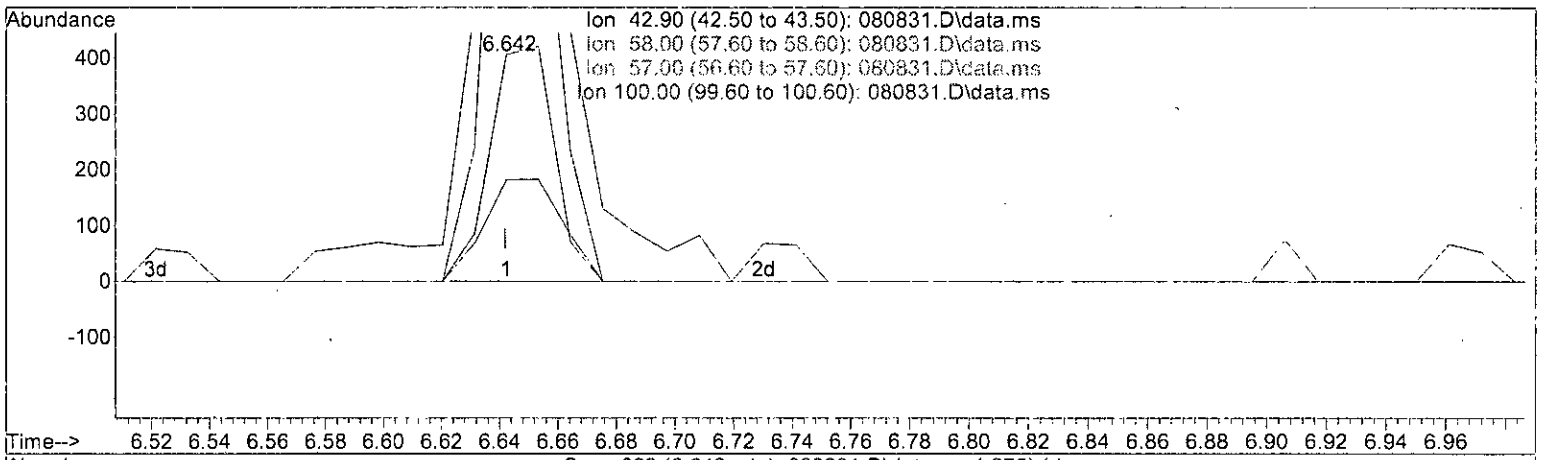
VM

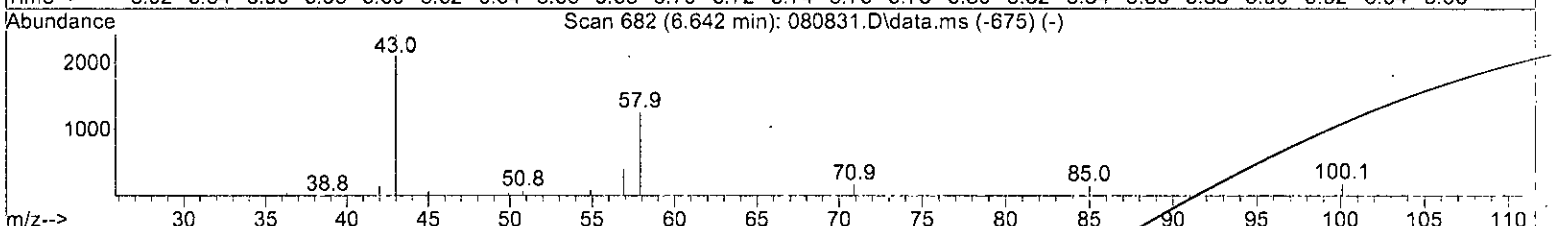
AUG 10 2022

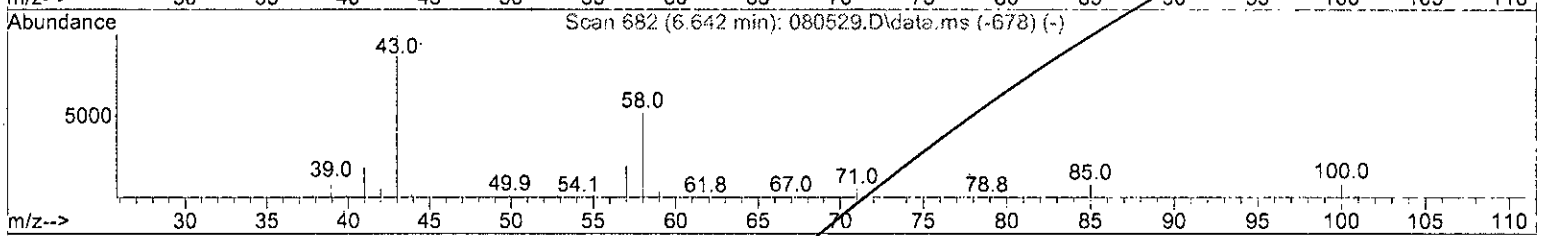
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080831.D\data.ms

(43) 2-Hexanone (TMP)

6.642min (+ 0.000) 2.844 ppb

response 3751

Ion	Exp%	Act%
42.90	100.00	100.00
58.00	53.70	51.37
57.00	18.00	16.63
100.00	10.00	7.46

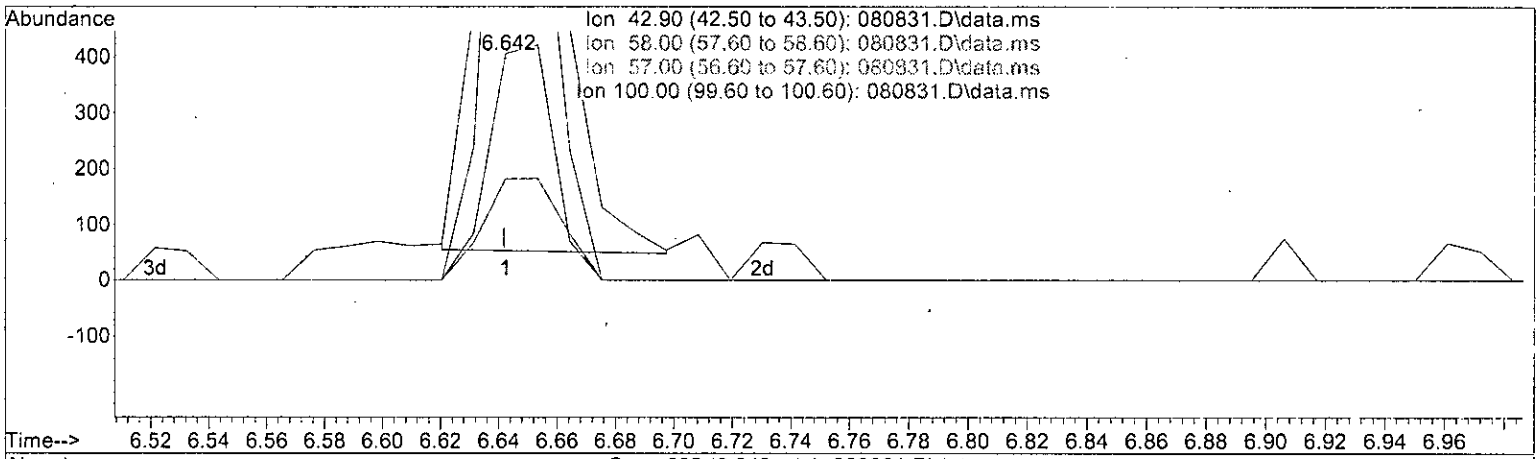
VM

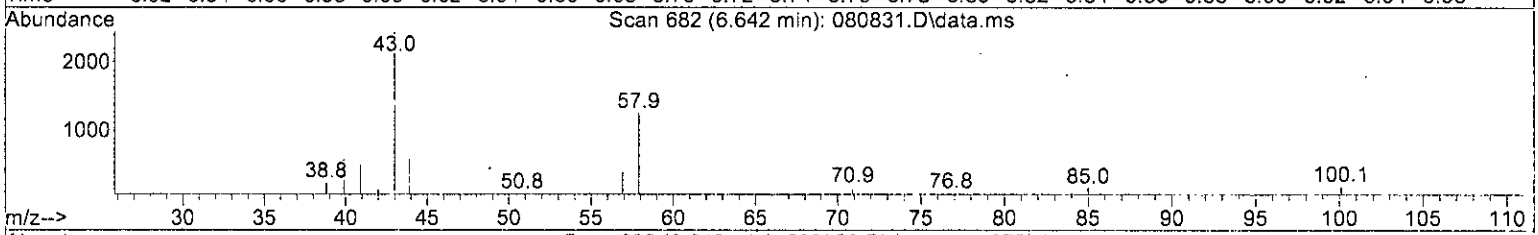
AUG 10 2022

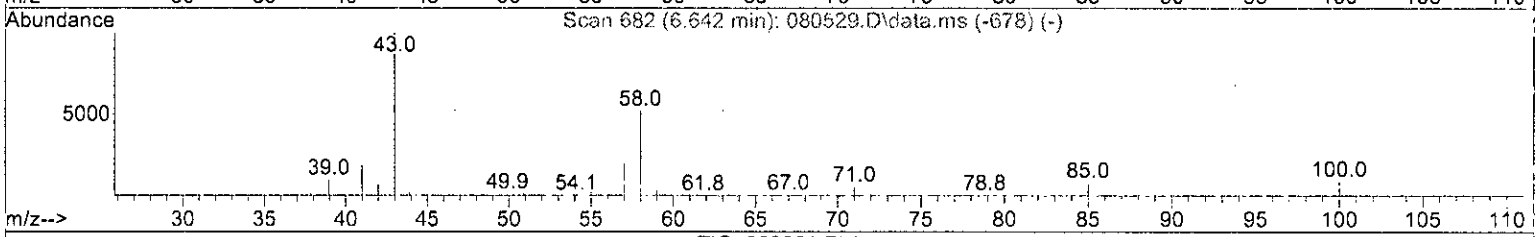
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:19:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080831.D\data.ms

(43) 2-Hexanone (TMP)

6.642min (+ 0.000) 2.468 ppb m

response 3255

Ion	Exp%	Act%
42.90	100.00	100.00
58.00	53.70	51.37
57.00	18.00	16.63
100.00	10.00	7.46

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.62	96	70227	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	55215	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31503	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	19286	10.029 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.30%		
30) 1,2-Dichloroethane-d4	4.35	102	4256	10.221 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 102.20%		
35) Toluene-d8	5.98	98	66812	9.892 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 98.90%		
57) 4-Bromofluorobenzene	8.38	95	26722	10.266 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 102.70%		
Target Compounds					Qvalue
2) Ethanol	1.87	45	53	No Calib	
4) Dichlorodifluoromethane	1.08	85	2887	0.501 ppb	95
5) Chloromethane	0.00		0	N.D. d	
6] Vinyl chloride	1.29	62	2848m	0.508 ppb	
7) Bromomethane	0.00		0	N.D. d	
8] Chloroethane	1.58	64	1426m	0.503 ppb	
9) Trichlorofluoromethane	1.77	101	3353	0.499 ppb	84
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	0.00		0	N.D. d	
12] 1,1-Dichloroethene	2.18	96	961	0.502 ppb	95
13) Hexane	0.00		0	N.D. d	
14) Methylene chloride	0.00		0	N.D. d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D. d	
16] Methyl t-butyl ether (...	2.83	73	2732m	0.516 ppb	
17] trans-1,2-Dichloroethene	2.82	96	1048m	0.505 ppb	
18) Diisopropyl ether (DIPE)	3.24	45	3363	0.510 ppb	97
19] 1,1-Dichloroethane	3.17	63	1927	0.507 ppb	99
20) Ethyl t-butyl ether (E...	3.55	87	1147	0.496 ppb	92
21) 2,2-Dichloropropane	3.66	77	1507	0.595 ppb	85
22] cis-1,2-Dichloroethene	3.66	96	1109	0.506 ppb	99
23) Chloroform	3.94	83	1875	0.544 ppb	100
24) 2-Butanone (MEK)	3.70	43	2572	2.557 ppb	88
25) t-Amyl methyl ether (T...	4.49	73	2420	0.476 ppb	96
26] 1,2-Dichloroethane (EDC)	4.41	62	1498	0.521 ppb	100
27] 1,1,1-Trichloroethane	4.07	97	1596	0.505 ppb	99

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) 1,1-Dichloropropene	4.21	75	1379	0.528	ppb		94
29) Carbon tetrachloride	4.21	117	1624	0.592	ppb		71
31] Benzene	4.38	78	3906	0.516	ppb		99
32] Trichloroethene	4.93	95	1109	0.507	ppb		99
33) 1,2-Dichloropropane	5.13	63	1066	0.528	ppb	#	87
34) Bromodichloromethane	5.37	83	1450	0.592	ppb		89
36) Dibromomethane	5.22	93	633	0.543	ppb		77
37) 4-Methyl-2-pentanone	5.91	85	732	2.558	ppb		87
38) cis-1,3-Dichloropropene	5.75	75	1332	0.482	ppb	#	54
40] Toluene	6.03	92	2650	0.496	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	1343	0.526	ppb		91
42] 1,1,2-Trichloroethane	6.40	83	716	0.518	ppb		99
43) 2-Hexanone	6.64	43	3255m	2.468	ppb		
44) 1,3-Dichloropropane	6.55	76	1280	0.522	ppb		99
45] Tetrachloroethene	6.51	164	1043	0.512	ppb		98
46) Dibromochloromethane	6.76	129	852	0.458	ppb		91
47] 1,2-Dibromoethane (EDB)	6.85	107	866	0.500	ppb		100
48) Chlorobenzene	7.30	112	2722	0.505	ppb		93
49] Ethylbenzene	7.40	91	4581	0.509	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.38	131	981	0.505	ppb		89
51] m,p-Xylene	7.52	106	3542	1.011	ppb		98
52] o-Xylene	7.88	106	1744	0.502	ppb		99
53) Styrene	7.90	104	2812	0.515	ppb		98
54) Isopropylbenzene	8.23	105	4567	0.514	ppb		99
55) Bromoform	8.07	173	575	0.456	ppb		94
58) n-Propylbenzene	8.63	91	5249	0.524	ppb		94
59) Bromobenzene	8.52	156	1378	0.553	ppb		89
60) 1,3,5-Trimethylbenzene	8.80	105	3904	0.526	ppb		95
61) 1,1,2,2-Tetrachloroethane	8.54	83	993	0.486	ppb		79
62) 1,2,3-Trichloropropane	8.57	75	762	0.531	ppb		79
63) 2-Chlorotoluene	8.70	91	3078	0.519	ppb		93
64) 4-Chlorotoluene	8.81	91	3489	0.508	ppb		98
65) tert-Butylbenzene	9.11	119	3286	0.495	ppb		83
66) 1,2,4-Trimethylbenzene	9.16	105	3948	0.516	ppb		99
67) sec-Butylbenzene	9.32	105	4937	0.509	ppb		96
68) p-Isopropyltoluene	9.47	119	4098	0.489	ppb		94
69) 1,3-Dichlorobenzene	9.42	146	2370	0.506	ppb		91
70) 1,4-Dichlorobenzene	9.51	146	2467	0.540	ppb		97
71) 1,2-Dichlorobenzene	9.87	146	2468	0.539	ppb		98
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.44	180	1782	0.514	ppb		93

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

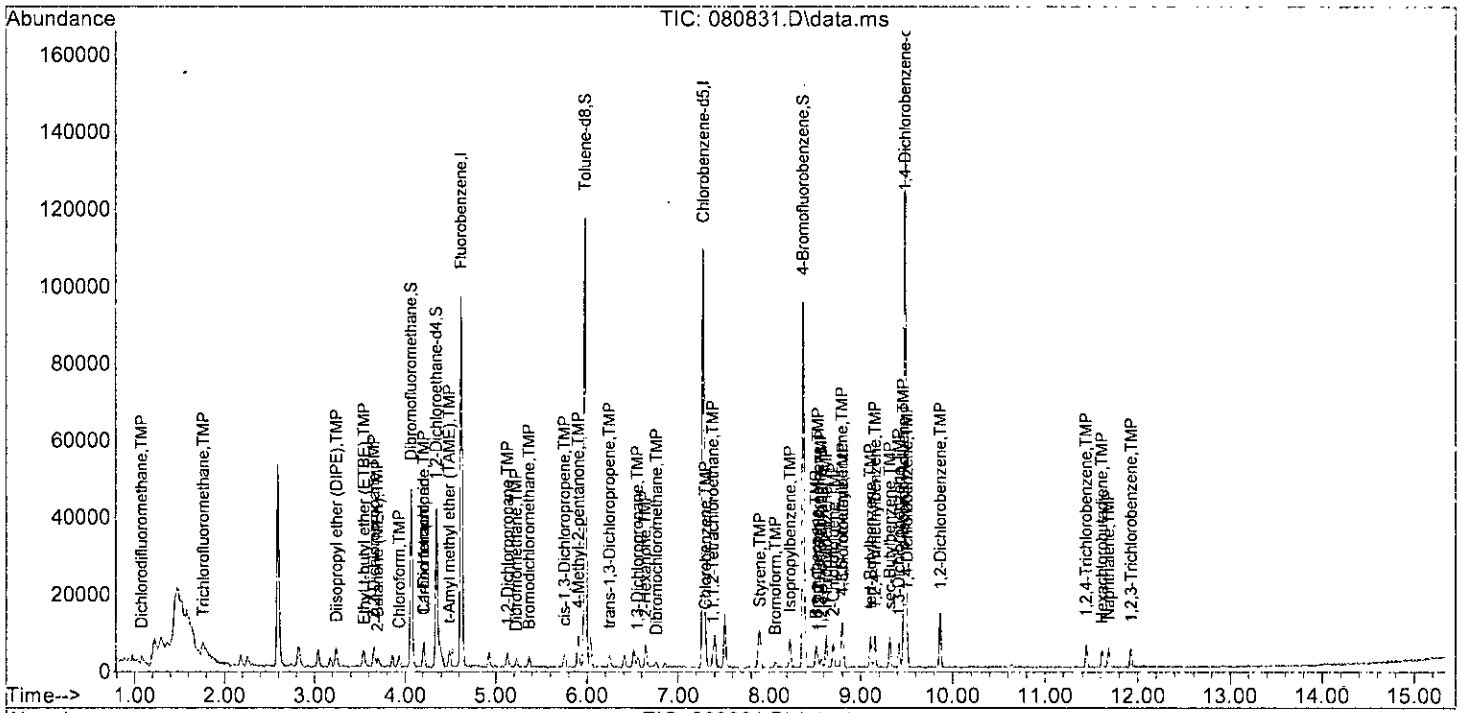
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	942	0.493	ppb	95
75) Naphthalene	11.69	128	3360	0.506	ppb	97
76) 1,2,3-Trichlorobenzene	11.93	180	1602	0.516	ppb	85

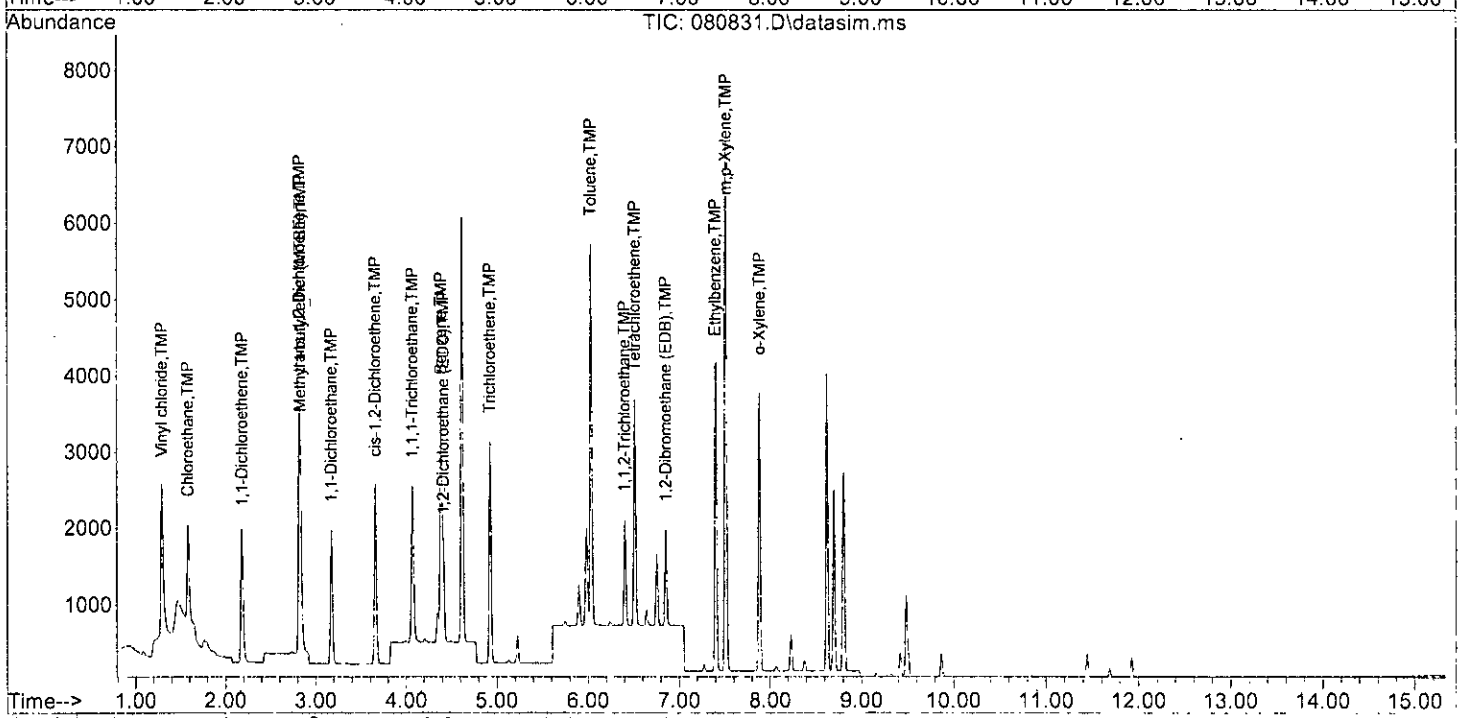
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.029	-0.3	100	0.00
4	TMP	Dichlorodifluoromethane	0.500	0.501	-0.2	93	0.00
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.500	0.508	-1.6	98	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.52#
8	TMP	Chloroethane	0.500	0.503	-0.6	100	0.00
9	TMP	Trichlorofluoromethane	0.500	0.499	0.2	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.25#
12	TMP	1,1-Dichloroethene	0.500	0.502	-0.4	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.04#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.516	-3.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.500	0.505	-1.0	96	0.00
18	TMP	Diisopropyl ether (DIPE)	0.500	0.510	-2.0	100	0.00
19	TMP	1,1-Dichloroethane	0.500	0.507	-1.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.496	0.8	100	0.00
21	TMP	2,2-Dichloropropane	0.500	0.595	-19.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.500	0.506	-1.2	100	0.00
23	TMP	Chloroform	0.500	0.544	-8.8	100	0.00
24	TMP	2-Butanone (MEK)	2.500	2.557	-2.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.476	4.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.521	-4.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.500	0.505	-1.0	100	0.00
28	TMP	1,1-Dichloropropene	0.500	0.528	-5.6	100	0.00
29	TMP	Carbon tetrachloride	0.500	0.592	-18.4	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.221	-2.2	100	0.00
31	TMP	Benzene	0.500	0.516	-3.2	100	0.00
32	TMP	Trichloroethene	0.500	0.507	-1.4	100	0.00
33	TMP	1,2-Dichloropropane	0.500	0.528	-5.6	100	0.00
34	TMP	Bromodichloromethane	0.500	0.592	-18.4	100	0.00
35	S	Toluene-d8	10.000	9.892	1.1	100	0.00
36	TMP	Dibromomethane	0.500	0.543	-8.6	100	0.00
37	TMP	4-Methyl-2-pentanone	2.500	2.558	-2.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.500	0.482	3.6	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.496	0.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.500	0.526	-5.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.500	0.518	-3.6	100	0.00
43	TMP	2-Hexanone	2.500	2.468	1.3	101	0.00
44	TMP	1,3-Dichloropropane	0.500	0.522	-4.4	100	0.00
45	TMP	Tetrachloroethene	0.500	0.512	-2.4	100	0.00
46	TMP	Dibromochloromethane	0.500	0.458	8.4	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.500	0.0	100	0.00
48	TMP	Chlorobenzene	0.500	0.505	-1.0	100	0.00
49	TMP	Ethylbenzene	0.500	0.509	-1.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.505	-1.0	100	0.00
51	TMP	m,p-Xylene	1.000	1.011	-1.1	100	0.00
52	TMP	o-Xylene	0.500	0.502	-0.4	100	0.00
53	TMP	Styrene	0.500	0.515	-3.0	100	0.00
54	TMP	Isopropylbenzene	0.500	0.514	-2.8	100	0.00
55	TMP	Bromoform	0.500	0.456	8.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.266	-2.7	100	0.00
58	TMP	n-Propylbenzene	0.500	0.524	-4.8	100	0.00
59	TMP	Bromobenzene	0.500	0.553	-10.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.500	0.526	-5.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.486	2.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.500	0.531	-6.2	100	0.00
63	TMP	2-Chlorotoluene	0.500	0.519	-3.8	100	0.00
64	TMP	4-Chlorotoluene	0.500	0.508	-1.6	100	0.00
65	TMP	tert-Butylbenzene	0.500	0.495	1.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.500	0.516	-3.2	100	0.00
67	TMP	sec-Butylbenzene	0.500	0.509	-1.8	100	0.00
68	TMP	p-Isopropyltoluene	0.500	0.489	2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	0.500	0.506	-1.2	100	0.00
70	TMP	1,4-Dichlorobenzene	0.500	0.540	-8.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.500	0.539	-7.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	0.500	0.514	-2.8	100	0.00
74 TMP	Hexachlorobutadiene	0.500	0.493	1.4	100	0.00
75 TMP	Naphthalene	0.500	0.506	-1.2	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.500	0.516	-3.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.274	0.275	-0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.822	-0.2	93	0.00
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.799	0.811	-1.5	98	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	-1.52#
8	TMP	Chloroethane	0.404	0.406	-0.5	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.955	0.2	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.25#
12	TMP	1,1-Dichloroethene	0.273	0.274	-0.4	100	0.00
13	TMP	Hexane	0.415	0.000#	100.0#	0#	-3.04#
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.778	-3.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.298	5.4	96	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.958	-2.1	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.549	-1.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.327	0.9	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.429	-34.5#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.316	2.8	100	0.00
23	TMP	Chloroform	0.491	0.534	-8.8	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.146	-11.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.689	4.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.427	6.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.455	-1.1	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.393	-5.6	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.463	-18.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.061	-3.4	100	0.00
31	TMP	Benzene	1.115	1.112	0.3	100	0.00
32	TMP	Trichloroethene	0.327	0.316	3.4	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.304	-5.9	100	0.00
34	TMP	Bromodichloromethane	0.349	0.413	-18.3	100	0.00
35	S	Toluene-d8	0.962	0.951	1.1	100	0.00
36	TMP	Dibromomethane	0.166	0.180	-8.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.042	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.379	3.8	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.960	8.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.486	-5.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.259	-3.6	100	0.00
43	TMP	2-Hexanone	0.239	0.236	1.3	101	0.00
44	TMP	1,3-Dichloropropane	0.444	0.464	-4.5	100	0.00
45	TMP	Tetrachloroethene	0.421	0.378	10.2	100	0.00
46	TMP	Dibromochloromethane	0.337	0.309	8.3	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.314	0.0	100	0.00
48	TMP	Chlorobenzene	0.977	0.986	-0.9	100	0.00
49	TMP	Ethylbenzene	1.708	1.659	2.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.355	-0.9	100	0.00
51	TMP	m,p-Xylene	0.670	0.641	4.3	100	0.00
52	TMP	o-Xylene	0.661	0.632	4.4	100	0.00
53	TMP	Styrene	0.990	1.019	-2.9	100	0.00
54	TMP	Isopropylbenzene	1.609	1.654	-2.8	100	0.00
55	TMP	Bromoform	0.228	0.208	8.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.848	-2.7	100	0.00
58	TMP	n-Propylbenzene	3.181	3.332	-4.7	100	0.00
59	TMP	Bromobenzene	0.791	0.875	-10.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.478	-5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.630	2.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.484#	-6.4	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.954	-3.7	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.215	-1.7	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.086	0.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.506	-3.3	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.134	-1.9	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.602	2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.505	-1.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.566	-8.1	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.567	-7.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.000#	100.0#	0#	-10.64#

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080831.D
Acq On : 08 Aug 2022 08:02 pm
Operator : RF
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:22:05 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

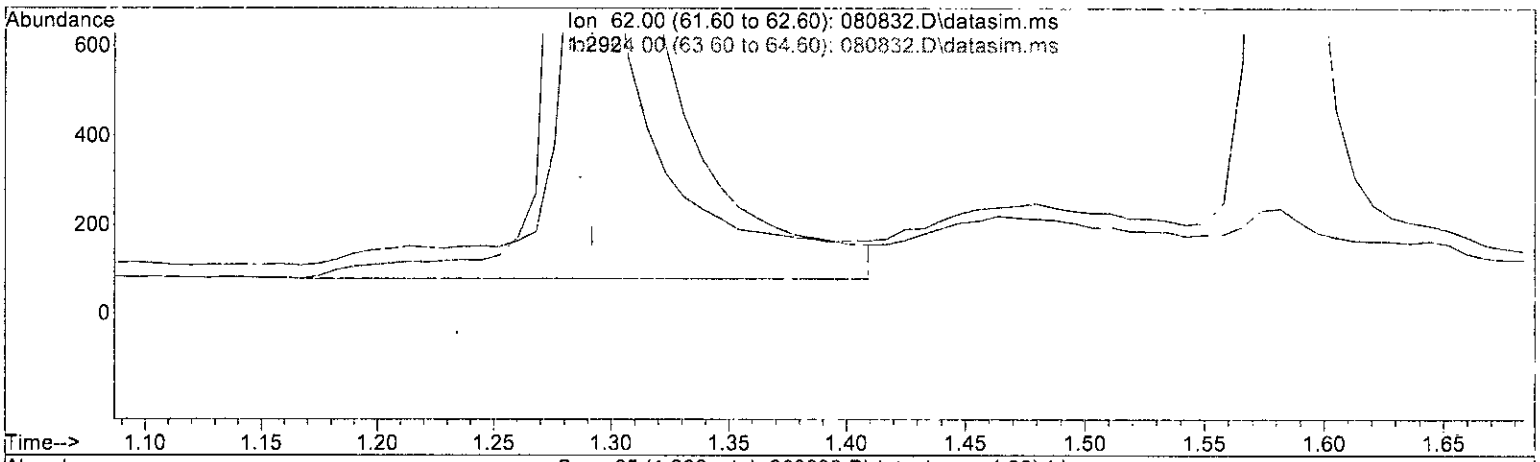
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.131	-2.7	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.598	1.5	100	0.00
75 TMP	Naphthalene	2.108	2.133	-1.2	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.017	-3.1	100	0.00

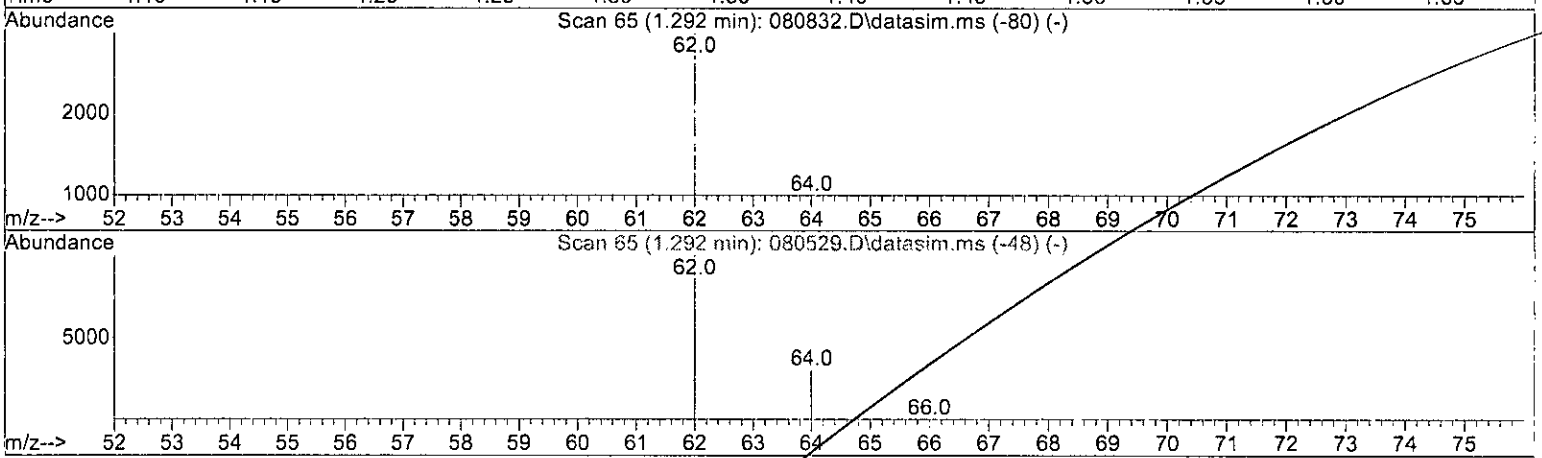
(#) = Out of Range SPCC's out = 9 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080832.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 1.208 ppb

response 6635

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	34.24
0.00	0.00	0.00
0.00	0.00	0.00

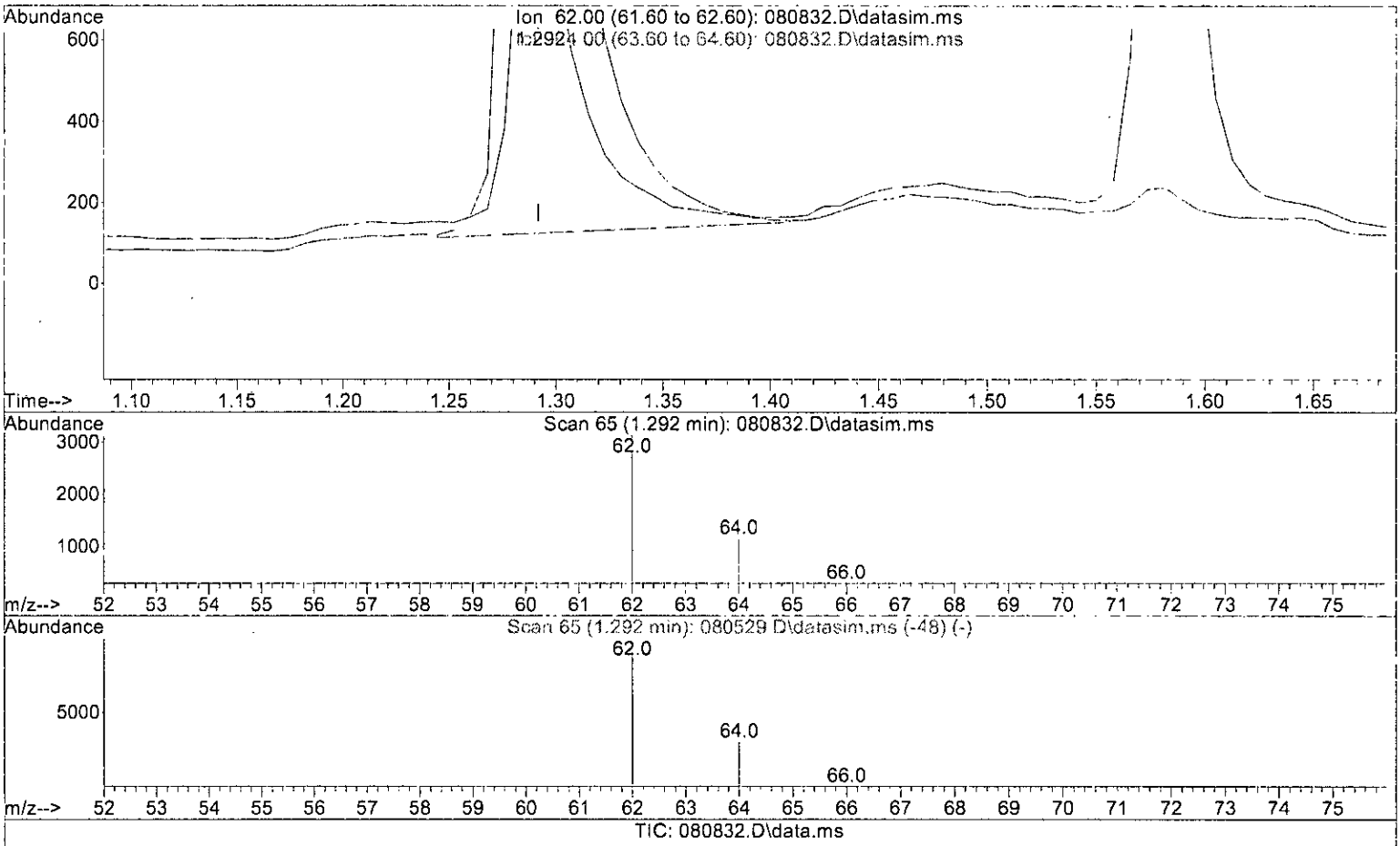
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080832.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (-0.000) 1.086 ppb m

response 5965

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	36.86
0.00	0.00	0.00
0.00	0.00	0.00

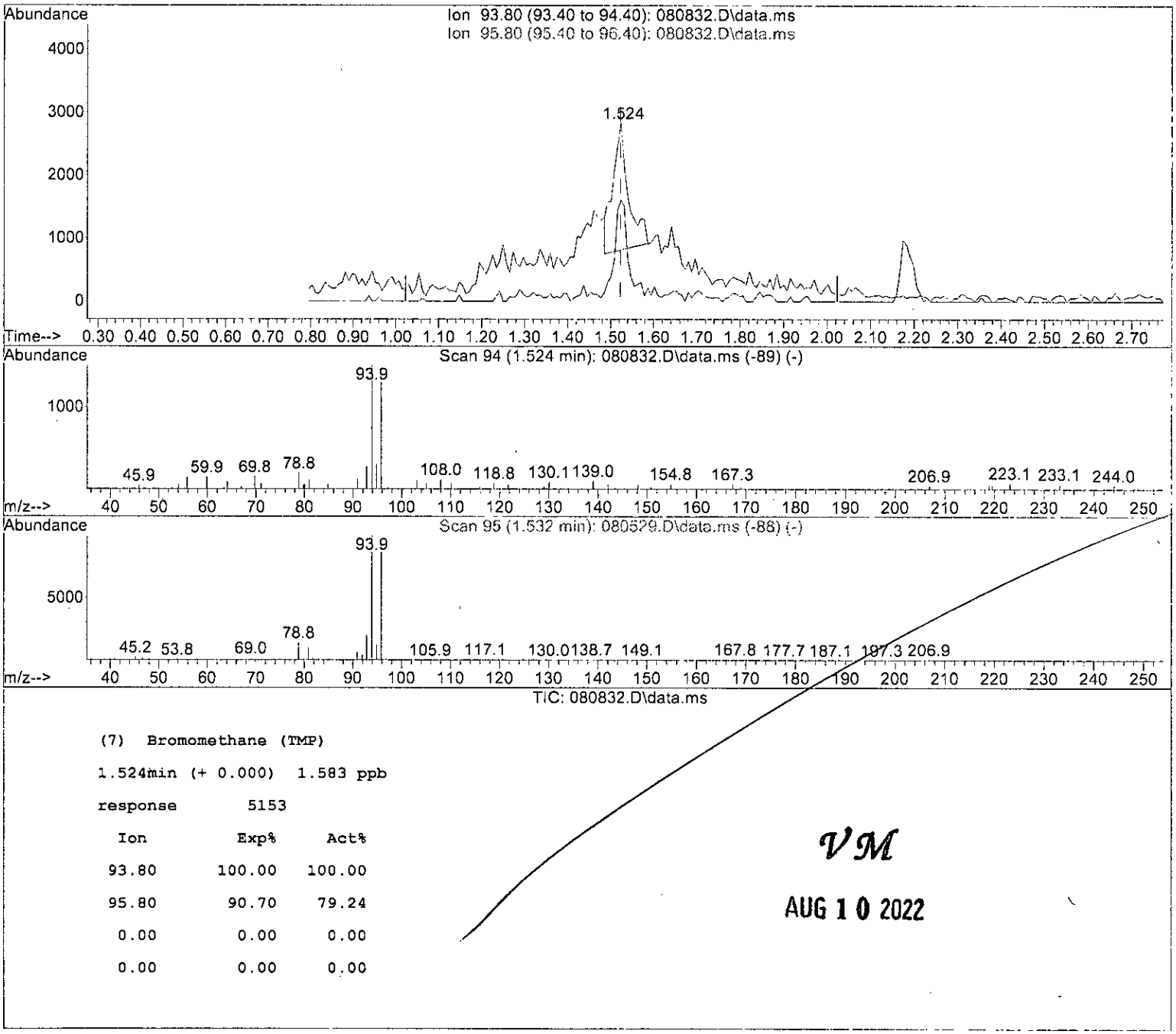
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080832.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 1.583 ppb

response 5153

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	79.24
0.00	0.00	0.00
0.00	0.00	0.00

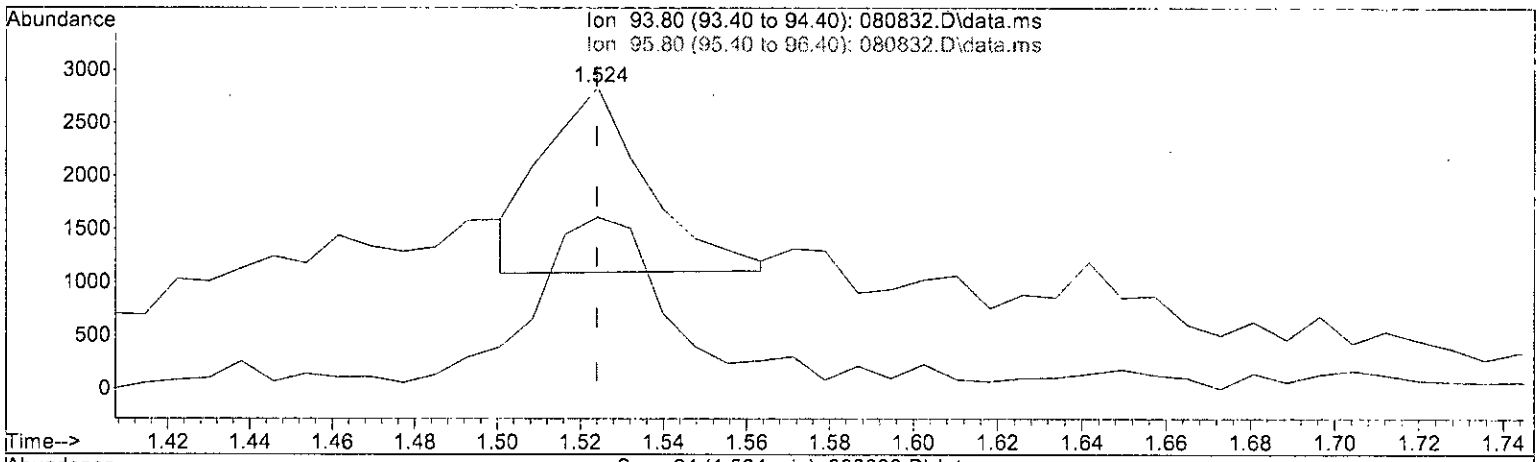
VM

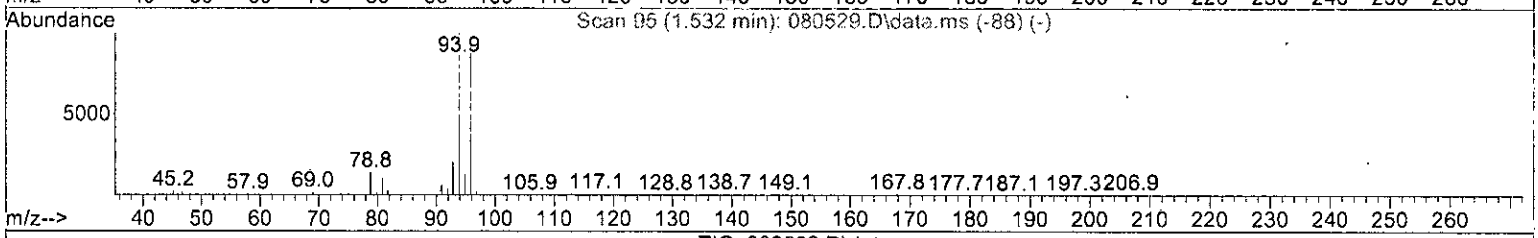
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080832.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 0.924 ppb m

response 3006

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	56.68#
0.00	0.00	0.00
0.00	0.00	0.00

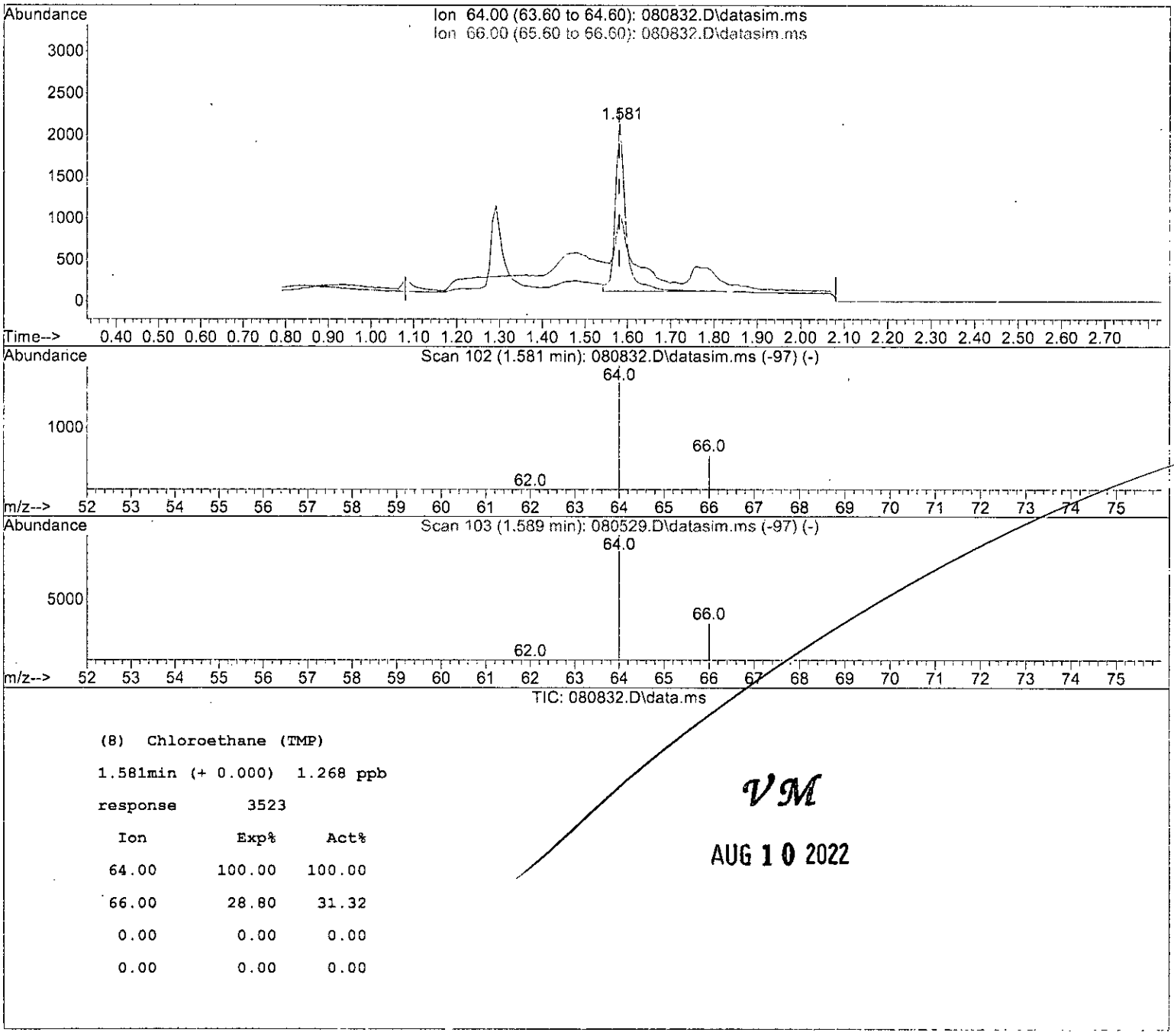
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



(8) Chloroethane (TMP)

1.581min (+ 0.000) 1.268 ppb

response 3523

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	31.32
0.00	0.00	0.00
0.00	0.00	0.00

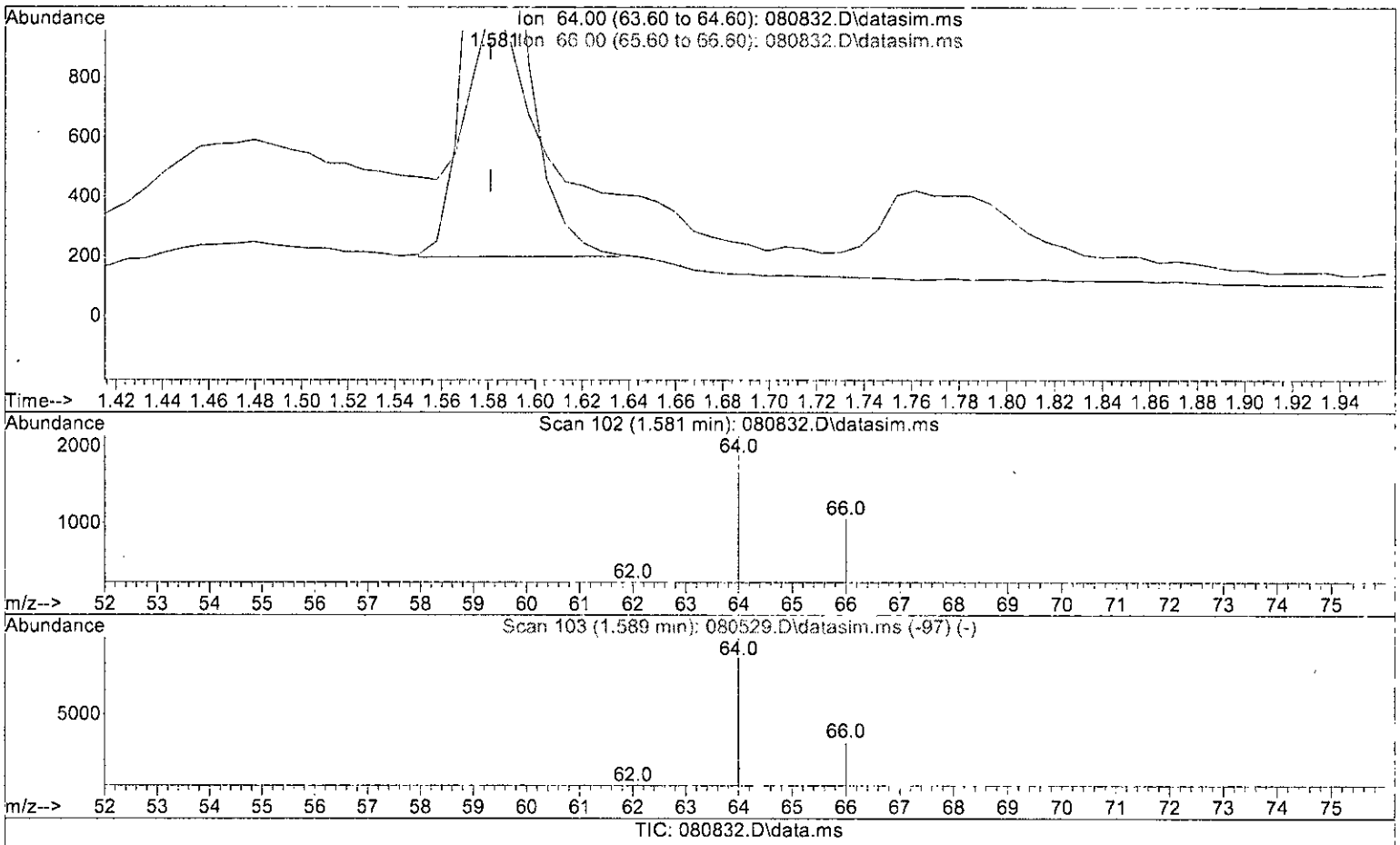
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080832.D\data.ms

(8) Chloroethane (TMP)

1.581min (+ 0.000) 1.046 ppb m

response 2908

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	28.80	49.18
0.00	0.00	0.00
0.00	0.00	0.00

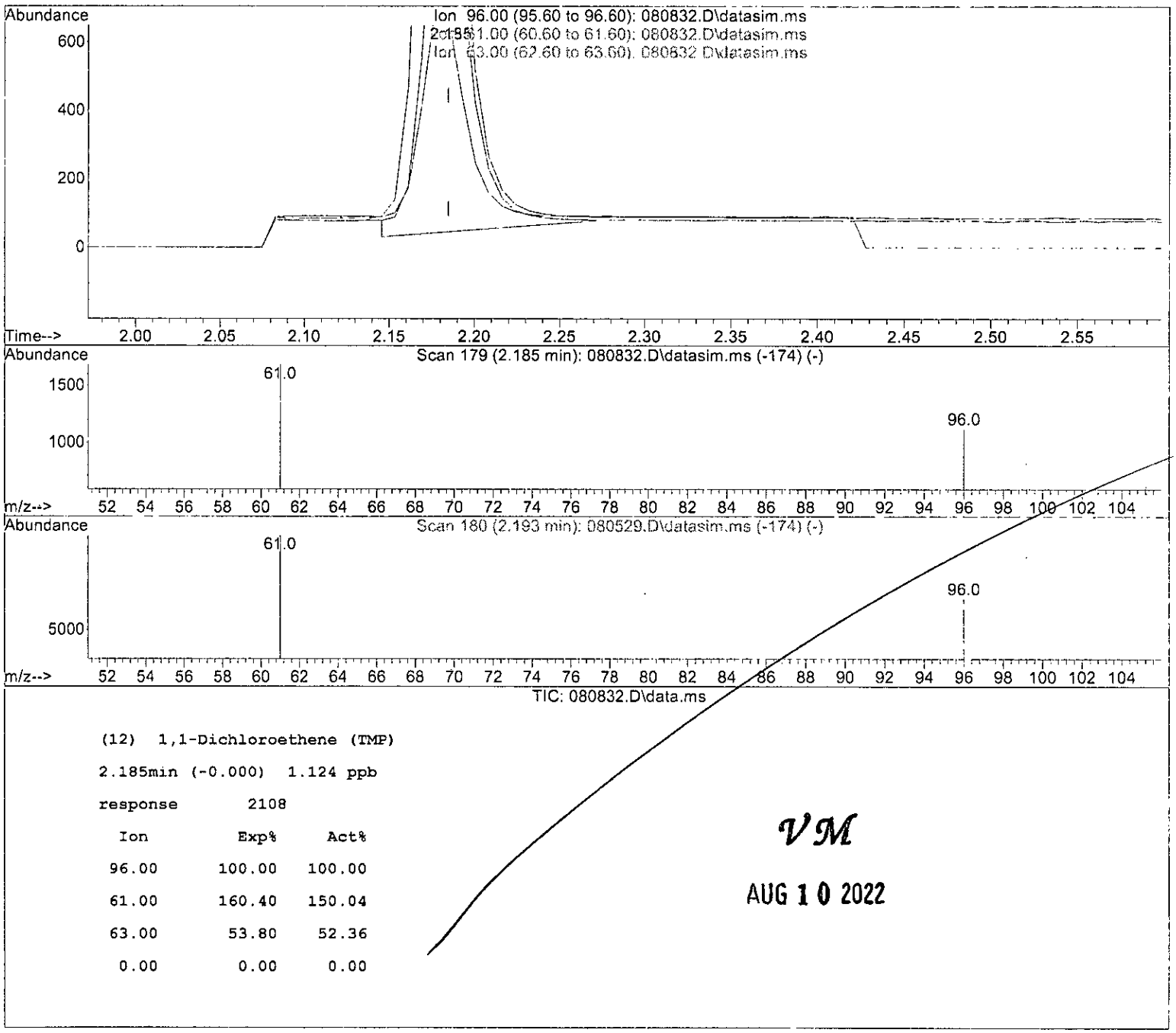
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080832.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.185min (-0.000) 1.124 ppb

response 2108

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	150.04
63.00	53.80	52.36
0.00	0.00	0.00

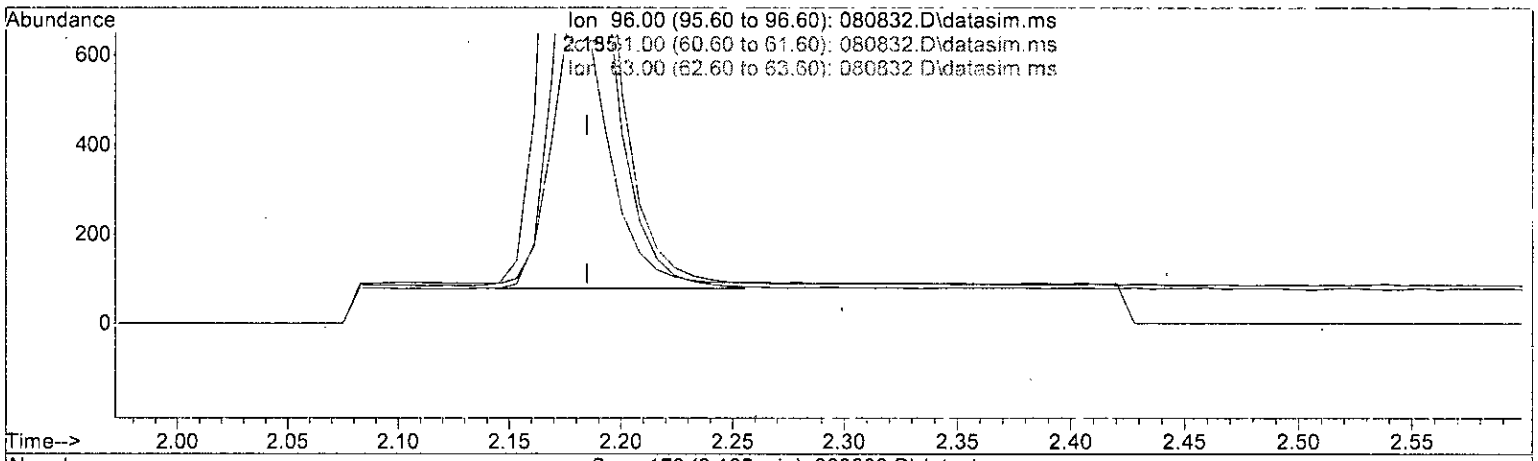
VM

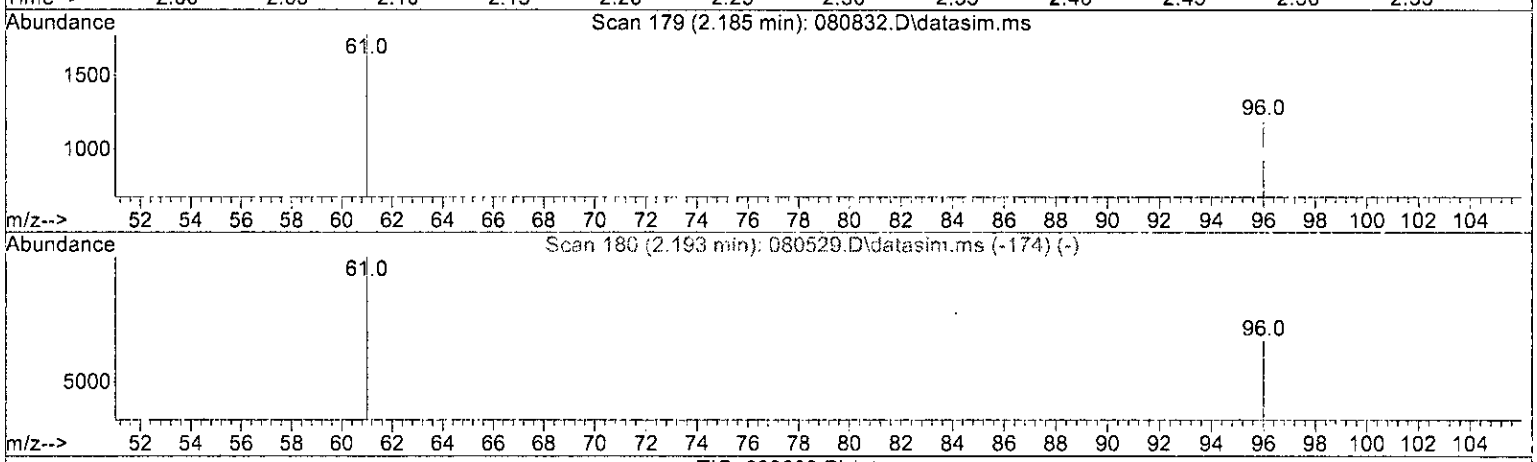
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080832.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.185min (-0.000) 1.026 ppb m

response 1925

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	160.40	147.63
63.00	53.80	56.36
0.00	0.00	0.00

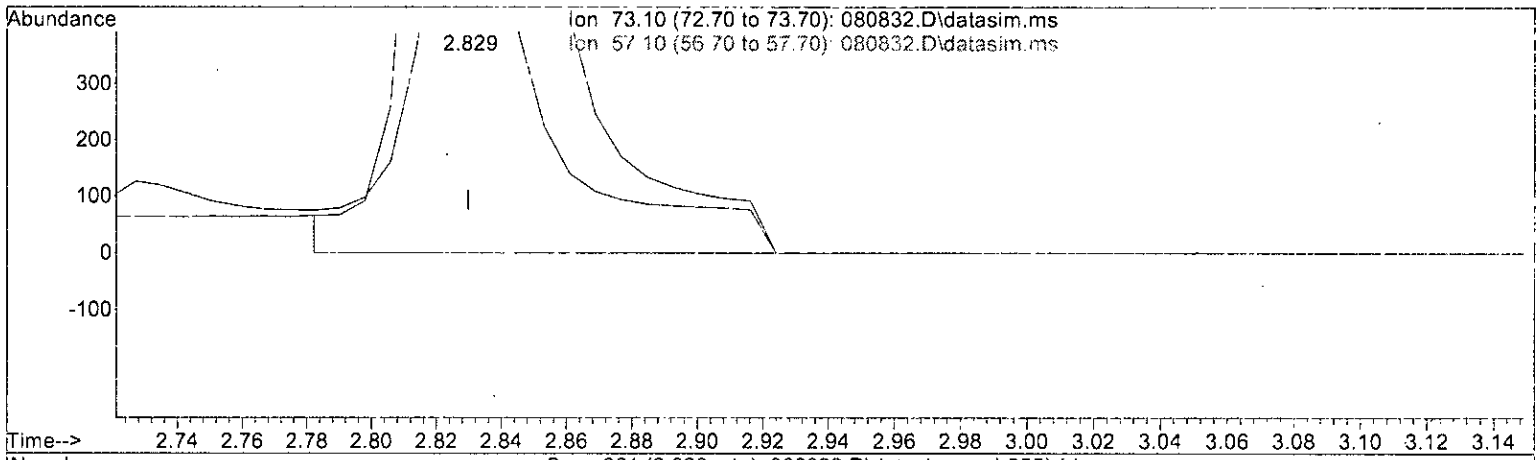
VM

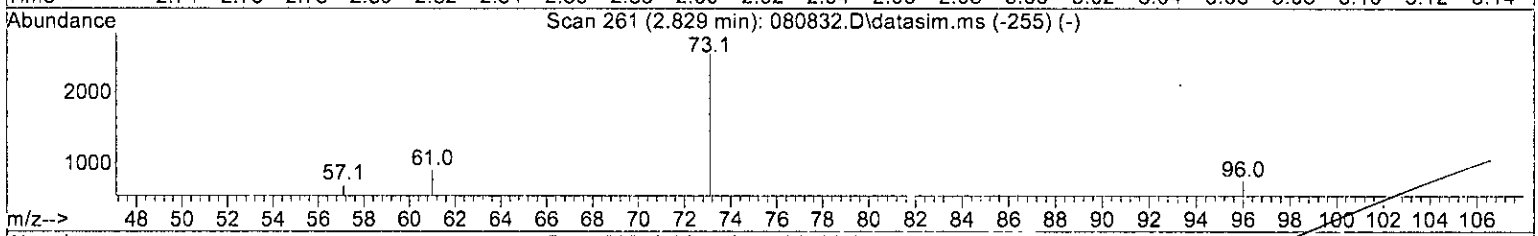
AUG 10 2022

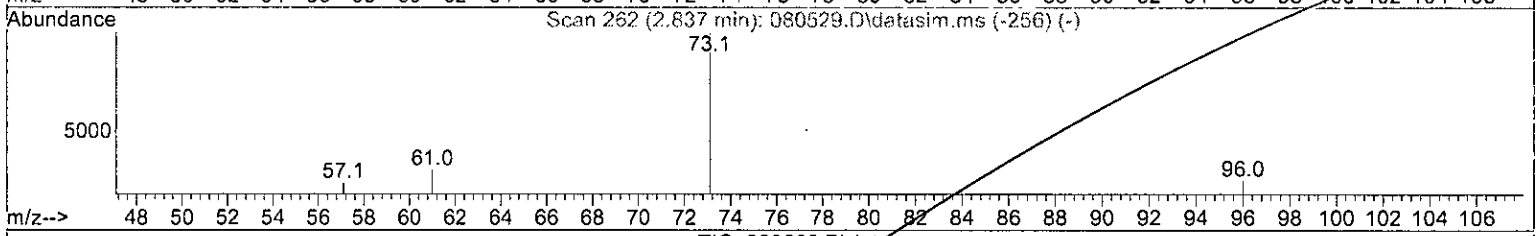
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080832.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.001) 1.154 ppb

response 5979

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	26.60
0.00	0.00	0.00
0.00	0.00	0.00

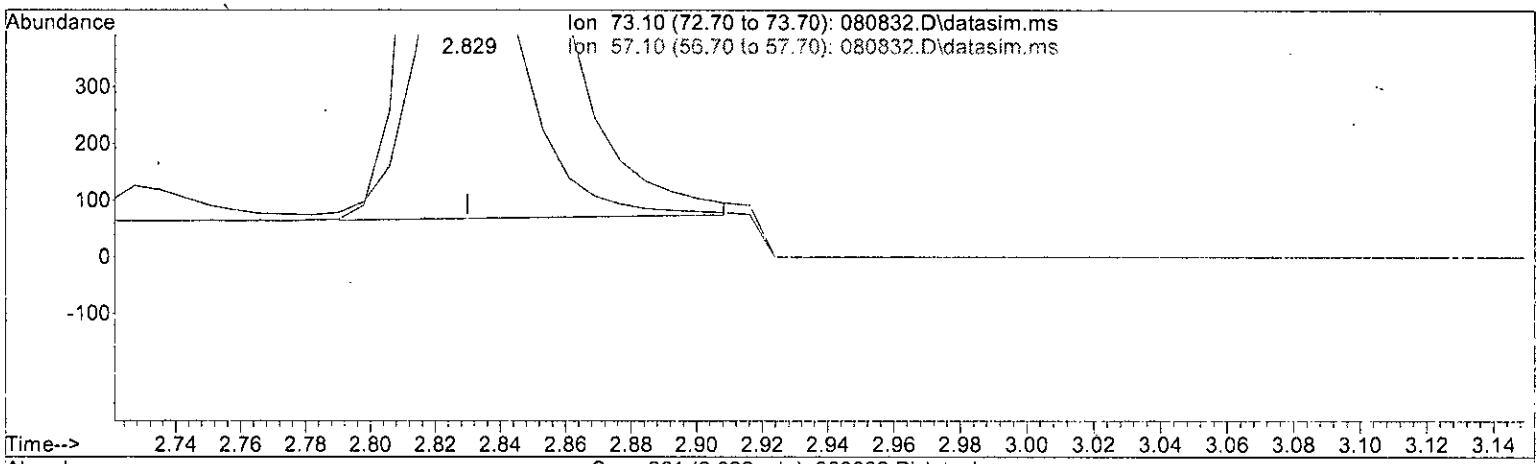
VM

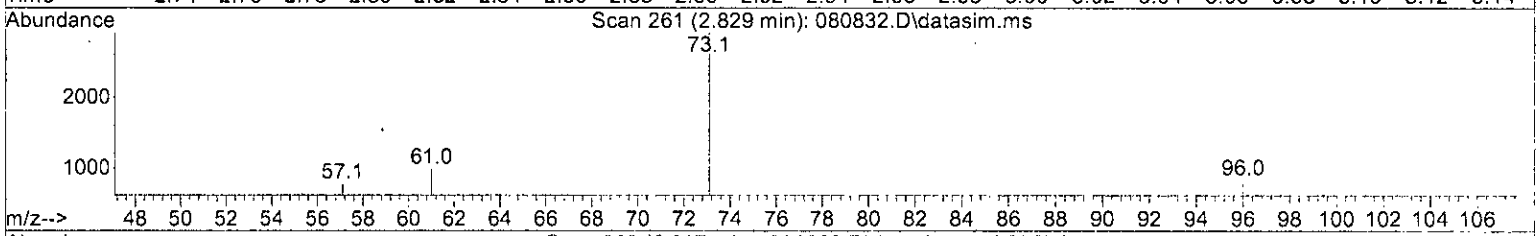
AUG 10 2022

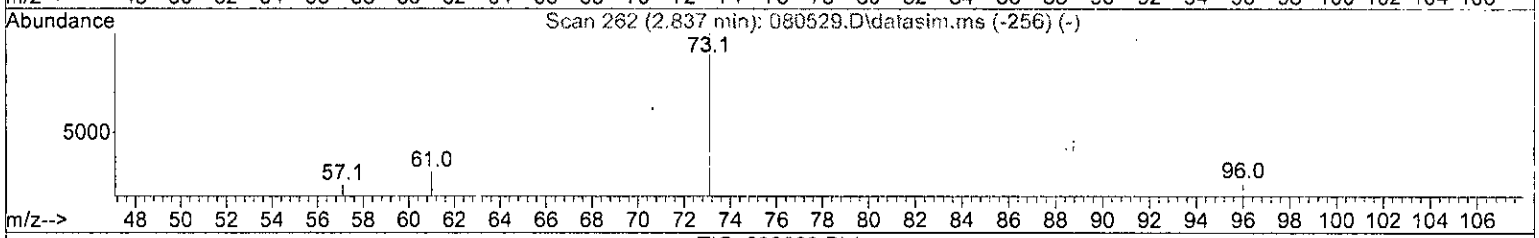
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080832.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.829min (-0.001) 1.044 ppb m

response 5409

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	23.80	26.60
0.00	0.00	0.00
0.00	0.00	0.00

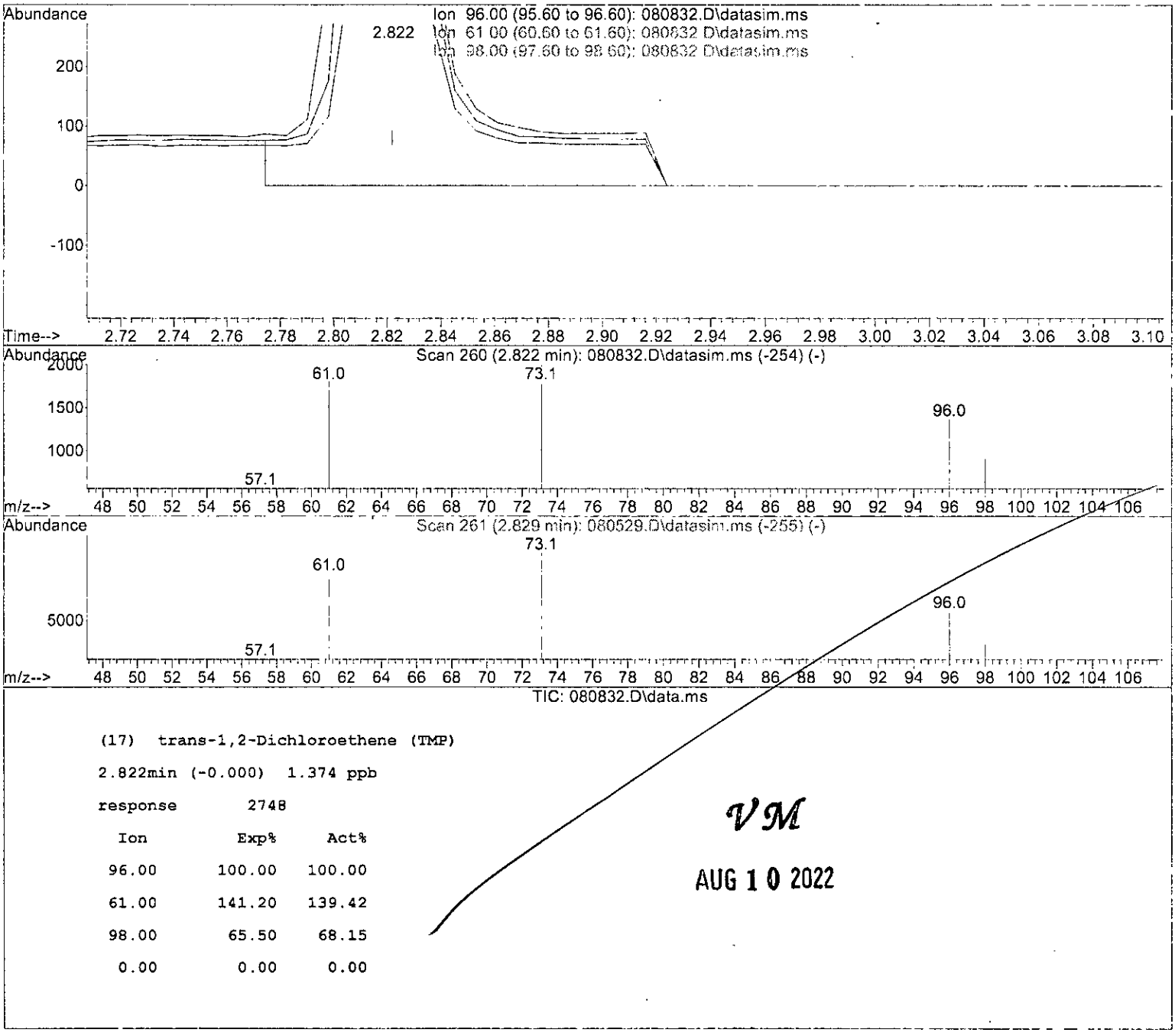
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080832.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.000) 1.374 ppb

response 2748

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	139.42
98.00	65.50	68.15
0.00	0.00	0.00

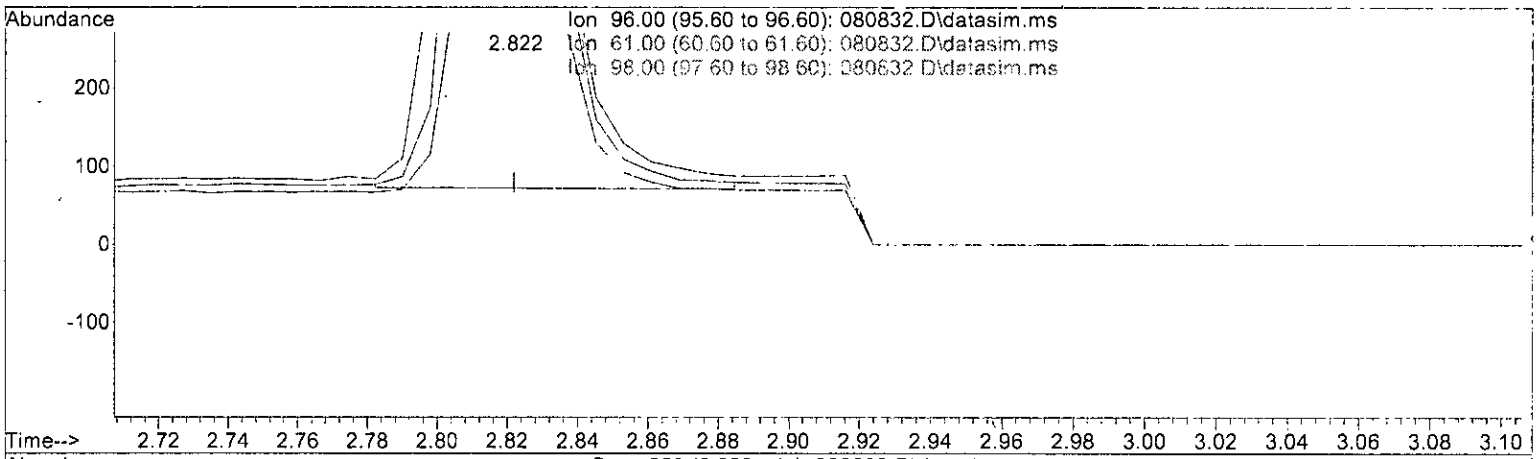
VM

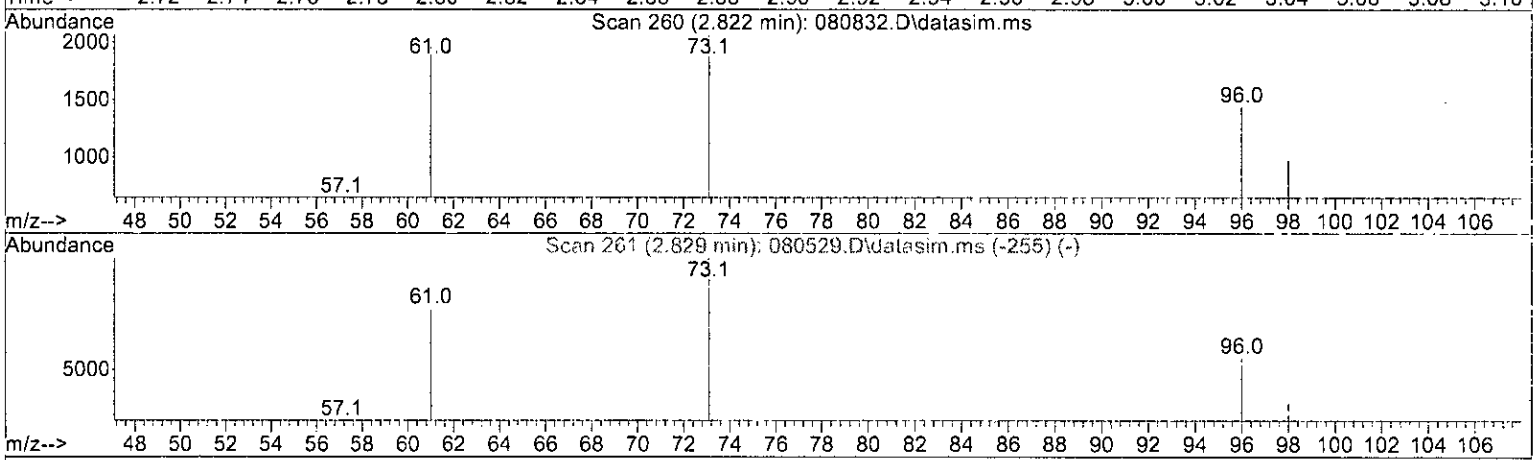
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:23:24 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080832.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.822min (-0.000) 1.058 ppb m

response 2121

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	141.20	139.42
98.00	65.50	68.15
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.62	96	68781	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	53981	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31879	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	19097	10.140 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%		
30) 1,2-Dichloroethane-d4	4.35	102	4216	10.338 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 103.40%		
35) Toluene-d8	5.98	98	67824	10.253 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 102.50%		
57) 4-Bromofluorobenzene	8.38	95	25273	9.595 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 95.90%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	1.08	85	5215	0.925 ppb	98
5) Chloromethane	0.00		0	N.D. d	
6] Vinyl chloride	1.29	62	5965m	1.086 ppb	
7) Bromomethane	1.52	94	3006m	0.924 ppb	
8] Chloroethane	1.58	64	2908m	1.046 ppb	
9) Trichlorofluoromethane	1.76	101	6973	1.059 ppb	97
10) 2-Propanol	2.39	45	89	No Calib	
11) Acetone	2.25	58	1246	6.131 ppb #	80
12] 1,1-Dichloroethene	2.18	96	1925m	1.026 ppb	
13) Hexane	3.04	57	3208	1.123 ppb	97
14) Methylene chloride	0.00		0	N.D. d	
15) t-Butyl alcohol (TBA)	2.73	59	1120	5.414 ppb	61
16] Methyl t-butyl ether (...	2.83	73	5409m	1.044 ppb	
17] trans-1,2-Dichloroethene	2.82	96	2121m	1.058 ppb	
18) Diisopropyl ether (DIPE)	3.24	45	6881	1.066 ppb	99
19] 1,1-Dichloroethane	3.17	63	3905	1.049 ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	2376	1.048 ppb	97
21) 2,2-Dichloropropane	3.66	77	2772	1.229 ppb	90
22] cis-1,2-Dichloroethene	3.66	96	2235	1.050 ppb	99
23) Chloroform	3.94	83	3540	1.048 ppb	96
24) 2-Butanone (MEK)	3.71	43	4754	5.228 ppb	89
25) t-Amyl methyl ether (T...	4.49	73	5391	1.082 ppb	92
26] 1,2-Dichloroethane (EDC)	4.41	62	2940	1.069 ppb	99
27] 1,1,1-Trichloroethane	4.07	97	3256	1.052 ppb	100

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	4.21	75	2688	1.051	ppb		97
29)	Carbon tetrachloride	4.21	117	2770	1.031	ppb		90
31]	Benzene	4.39	78	7847	1.065	ppb		99
32]	Trichloroethene	4.93	95	2252	1.062	ppb		98
33)	1,2-Dichloropropane	5.13	63	2040	1.032	ppb	#	87
34)	Bromodichloromethane	5.37	83	2261	0.942	ppb		85
36)	Dibromomethane	5.22	93	1171	1.025	ppb		86
37)	4-Methyl-2-pentanone	5.91	85	1438	5.130	ppb		92
38)	cis-1,3-Dichloropropene	5.75	75	2662	0.983	ppb		99
40]	Toluene	6.03	92	5092	1.041	ppb		100
41)	trans-1,3-Dichloropropene	6.25	75	2555	1.024	ppb		95
42]	1,1,2-Trichloroethane	6.40	83	1428	1.057	ppb		98
43)	2-Hexanone	6.64	43	7045	5.465	ppb		89
44)	1,3-Dichloropropane	6.55	76	2415	1.007	ppb		95
45]	Tetrachloroethene	6.51	164	2071	1.071	ppb		99
46)	Dibromochloromethane	6.76	129	1580	0.870	ppb		78
47]	1,2-Dibromoethane (EDB)	6.85	107	1735	1.024	ppb		99
48)	Chlorobenzene	7.30	112	5616	1.065	ppb		96
49]	Ethylbenzene	7.40	91	9175	1.053	ppb		100
50)	1,1,1,2-Tetrachloroethane	7.38	131	2035	1.071	ppb		90
51]	m,p-Xylene	7.52	106	7119	2.103	ppb		98
52]	o-Xylene	7.88	106	3518	1.048	ppb		97
53)	Styrene	7.90	104	5634	1.055	ppb		93
54)	Isopropylbenzene	8.23	105	9286	1.069	ppb		96
55)	Bromoform	8.07	173	1291	1.048	ppb		92
58)	n-Propylbenzene	8.63	91	10197	1.006	ppb		93
59)	Bromobenzene	8.52	156	2582	1.024	ppb		84
60)	1,3,5-Trimethylbenzene	8.80	105	7603	1.012	ppb		98
61)	1,1,2,2-Tetrachloroethane	8.54	83	2037	0.986	ppb		85
62)	1,2,3-Trichloropropane	8.57	75	1539	1.060	ppb		90
63)	2-Chlorotoluene	8.70	91	6024	1.003	ppb		98
64)	4-Chlorotoluene	8.81	91	7188	1.035	ppb		93
65)	tert-Butylbenzene	9.11	119	6710	0.999	ppb		93
66)	1,2,4-Trimethylbenzene	9.16	105	7704	0.996	ppb		99
67)	sec-Butylbenzene	9.32	105	9866	1.006	ppb		93
68)	p-Isopropyltoluene	9.47	119	8341	0.984	ppb		98
69)	1,3-Dichlorobenzene	9.42	146	4833	1.020	ppb		91
70)	1,4-Dichlorobenzene	9.51	146	4700	1.017	ppb		98
71)	1,2-Dichlorobenzene	9.87	146	4669	1.008	ppb		98
72)	1,2-Dibromo-3-chloropr...	10.64	75	442	1.190	ppb		77
73)	1,2,4-Trichlorobenzene	11.45	180	3334	0.950	ppb		97

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

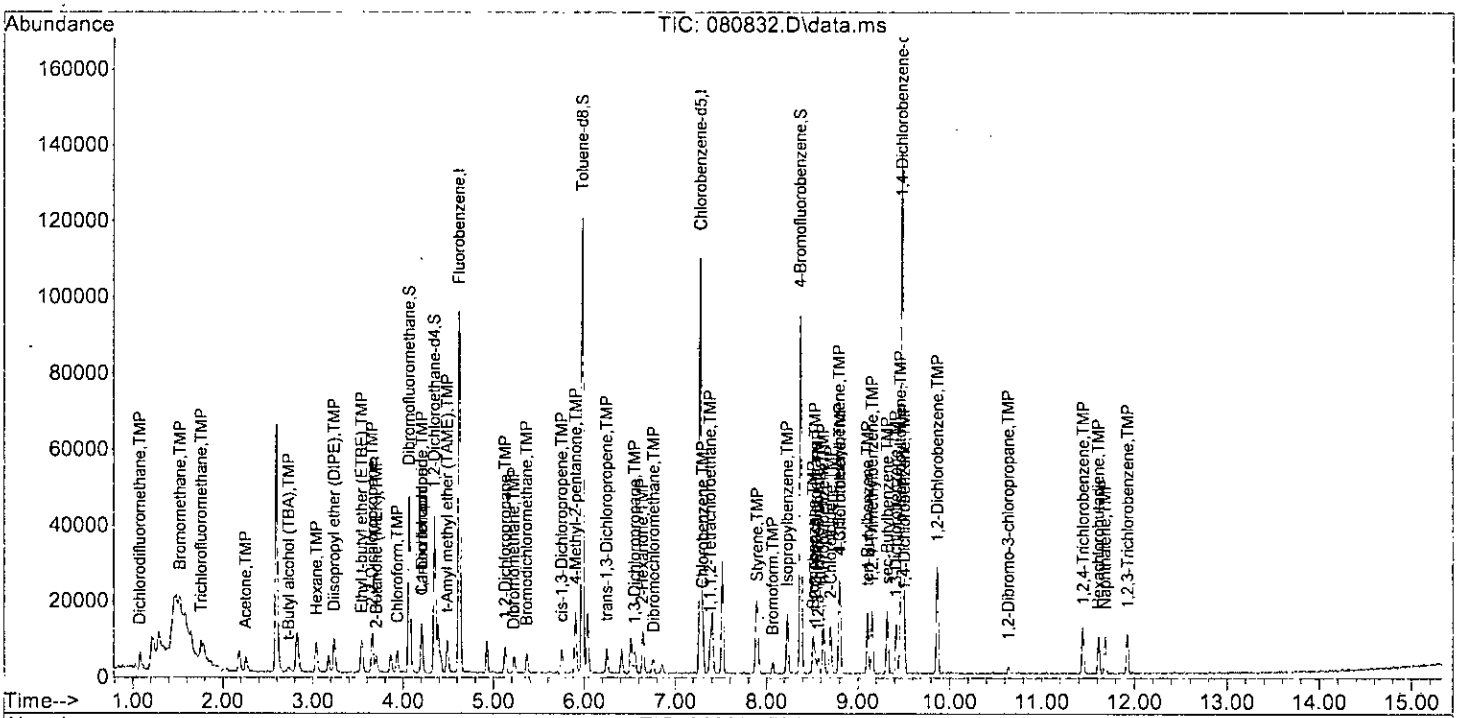
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	1920	0.993	ppb	97
75) Naphthalene	11.69	128	6618	0.985	ppb	97
76) 1,2,3-Trichlorobenzene	11.93	180	3067	0.975	ppb	93

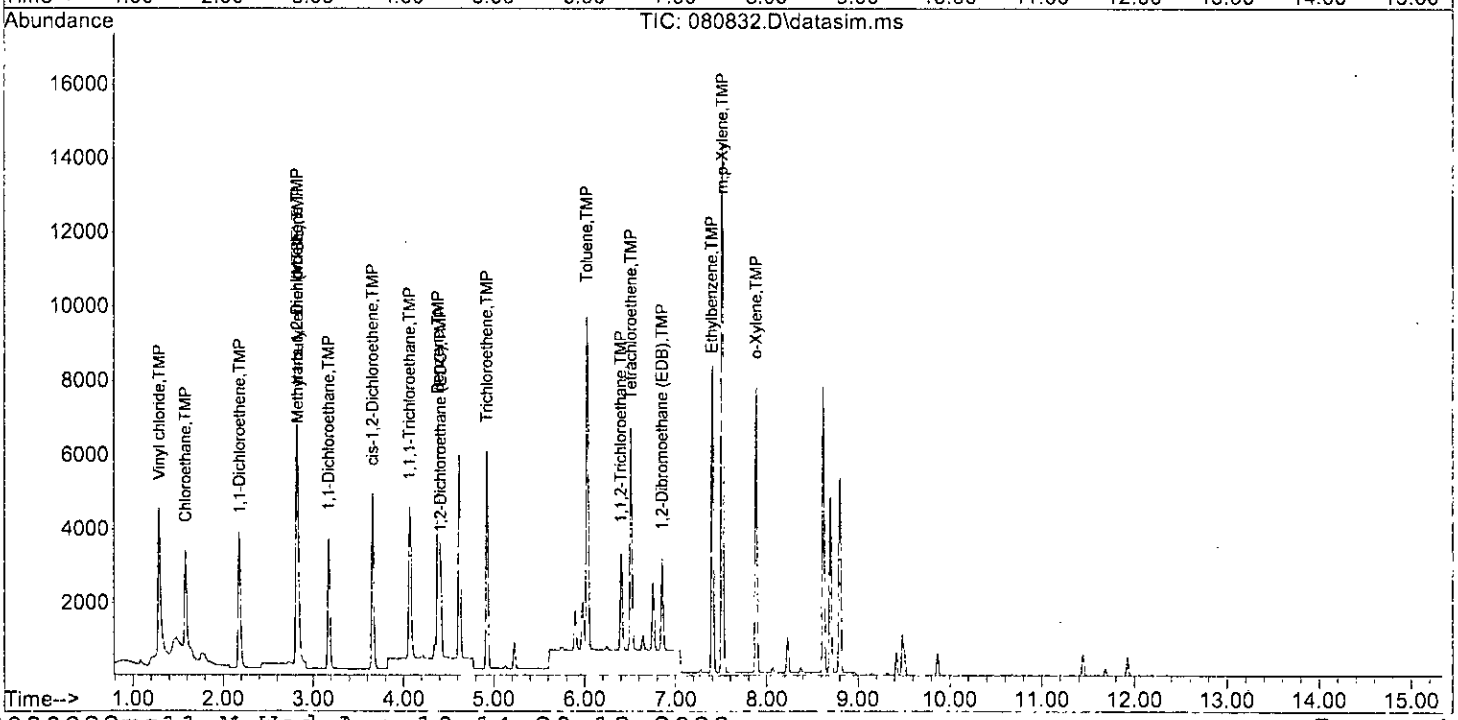
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
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QLast Update : Wed Aug 10 13:56:13 2022
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DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.140	-1.4	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	0.925	7.5	100	0.00
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	1.000	1.086	-8.6	106	0.00
7	TMP	Bromomethane	-1.000	0.924	0.0	0	0.00
8	TMP	Chloroethane	1.000	1.046	-4.6	100	0.00
9	TMP	Trichlorofluoromethane	1.000	1.059	-5.9	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	5.000	6.131	-22.6#	100	0.00
12	TMP	1,1-Dichloroethene	1.000	1.026	-2.6	101	0.00
13	TMP	Hexane	1.000	1.123	-12.3	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	5.000	5.414	-8.3	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.000	1.044	-4.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	1.000	1.058	-5.8	101	0.00
18	TMP	Diisopropyl ether (DIPE)	1.000	1.066	-6.6	100	0.00
19	TMP	1,1-Dichloroethane	1.000	1.049	-4.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	1.048	-4.8	100	0.00
21	TMP	2,2-Dichloropropane	1.000	1.229	-22.9#	118	0.00
22	TMP	cis-1,2-Dichloroethene	1.000	1.050	-5.0	100	0.00
23	TMP	Chloroform	1.000	1.048	-4.8	100	0.00
24	TMP	2-Butanone (MEK)	5.000	5.228	-4.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.000	1.082	-8.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	1.000	1.069	-6.9	100	0.00
27	TMP	1,1,1-Trichloroethane	1.000	1.052	-5.2	100	0.00
28	TMP	1,1-Dichloropropene	1.000	1.051	-5.1	100	0.00
29	TMP	Carbon tetrachloride	1.000	1.031	-3.1	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.338	-3.4	100	0.00
31	TMP	Benzene	1.000	1.065	-6.5	100	0.00
32	TMP	Trichloroethene	1.000	1.062	-6.2	100	0.00
33	TMP	1,2-Dichloropropane	1.000	1.032	-3.2	100	0.00
34	TMP	Bromodichloromethane	1.000	0.942	5.8	100	0.00
35	S	Toluene-d8	10.000	10.253	-2.5	100	0.00
36	TMP	Dibromomethane	1.000	1.025	-2.5	100	0.00
37	TMP	4-Methyl-2-pentanone	5.000	5.130	-2.6	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	1.000	0.983	1.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	1.000	1.041	-4.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	1.000	1.024	-2.4	100	0.00
42	TMP	1,1,2-Trichloroethane	1.000	1.057	-5.7	100	0.00
43	TMP	2-Hexanone	5.000	5.465	-9.3	100	0.00
44	TMP	1,3-Dichloropropane	1.000	1.007	-0.7	100	0.00
45	TMP	Tetrachloroethene	1.000	1.071	-7.1	100	0.00
46	TMP	Dibromochloromethane	1.000	0.870	13.0	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	1.000	1.024	-2.4	100	0.00
48	TMP	Chlorobenzene	1.000	1.065	-6.5	100	0.00
49	TMP	Ethylbenzene	1.000	1.053	-5.3	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	1.000	1.071	-7.1	100	0.00
51	TMP	m,p-Xylene	2.000	2.103	-5.2	100	0.00
52	TMP	o-Xylene	1.000	1.048	-4.8	100	0.00
53	TMP	Styrene	1.000	1.055	-5.5	100	0.00
54	TMP	Isopropylbenzene	1.000	1.069	-6.9	100	0.00
55	TMP	Bromoform	1.000	1.048	-4.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.595	4.0	100	0.00
58	TMP	n-Propylbenzene	1.000	1.006	-0.6	100	0.00
59	TMP	Bromobenzene	1.000	1.024	-2.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.000	1.012	-1.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.000	0.986	1.4	100	0.00
62	TMP	1,2,3-Trichloropropane	1.000	1.060	-6.0	100	0.00
63	TMP	2-Chlorotoluene	1.000	1.003	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.000	1.035	-3.5	100	0.00
65	TMP	tert-Butylbenzene	1.000	0.999	0.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.000	0.996	0.4	100	0.00
67	TMP	sec-Butylbenzene	1.000	1.006	-0.6	100	0.00
68	TMP	p-Isopropyltoluene	1.000	0.984	1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.000	1.020	-2.0	100	0.00
70	TMP	1,4-Dichlorobenzene	1.000	1.017	-1.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.000	1.008	-0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	1.000	1.190	-19.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.000	0.950	5.0	100	0.00
74 TMP	Hexachlorobutadiene	1.000	0.993	0.7	100	0.00
75 TMP	Naphthalene	1.000	0.985	1.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	1.000	0.975	2.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
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Quant Time: Aug 10 14:25:32 2022
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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.278	-1.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.758	7.6	100	0.00
5	TMP	Chloromethane	0.866	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.799	0.867	-8.5	106	0.00
7	TMP	Bromomethane	0.473	0.000#	100.0#	0#	0.00
8	TMP	Chloroethane	0.404	0.423	-4.7	100	0.00
9	TMP	Trichlorofluoromethane	0.957	1.014	-6.0	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.036	-44.0#	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.280	-2.6	101	0.00
13	TMP	Hexane	0.415	0.466	-12.3	100	0.00
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.030	0.033	-10.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.786	-4.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.308	2.2	101	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	1.000	-6.6	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.568	-5.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.345	-4.5	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.403	-26.3#	118	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.325	0.0	100	0.00
23	TMP	Chloroform	0.491	0.515	-4.9	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.138	-5.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.784	-8.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.427	6.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.473	-5.1	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.391	-5.1	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.403	-3.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.061	-3.4	100	0.00
31	TMP	Benzene	1.115	1.141	-2.3	100	0.00
32	TMP	Trichloroethene	0.327	0.327	0.0	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.297	-3.5	100	0.00
34	TMP	Bromodichloromethane	0.349	0.329	5.7	100	0.00
35	S	Toluene-d8	0.962	0.986	-2.5	100	0.00
36	TMP	Dibromomethane	0.166	0.170	-2.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.042	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.387	1.8	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.943	9.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.473	-2.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.265	-6.0	100	0.00
43	TMP	2-Hexanone	0.239	0.261	-9.2	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.447	-0.7	100	0.00
45	TMP	Tetrachloroethene	0.421	0.384	8.8	100	0.00
46	TMP	Dibromochloromethane	0.337	0.293	13.1	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.321	-2.2	100	0.00
48	TMP	Chlorobenzene	0.977	1.040	-6.4	100	0.00
49	TMP	Ethylbenzene	1.708	1.700	0.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.377	-7.1	100	0.00
51	TMP	m,p-Xylene	0.670	0.659	1.6	100	0.00
52	TMP	o-Xylene	0.661	0.652	1.4	100	0.00
53	TMP	Styrene	0.990	1.044	-5.5	100	0.00
54	TMP	Isopropylbenzene	1.609	1.720	-6.9	100	0.00
55	TMP	Bromoform	0.228	0.239	-4.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.793	4.0	100	0.00
58	TMP	n-Propylbenzene	3.181	3.199	-0.6	100	0.00
59	TMP	Bromobenzene	0.791	0.810	-2.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.385	-1.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.639	1.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.483#	-6.2	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.890	-0.3	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.255	-3.5	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.105	0.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.417	0.4	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.095	-0.6	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.616	1.7	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.516	-2.0	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.474	-1.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.465	-0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.139	-19.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080832.D
Acq On : 08 Aug 2022 08:25 pm
Operator : RF
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:25:32 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

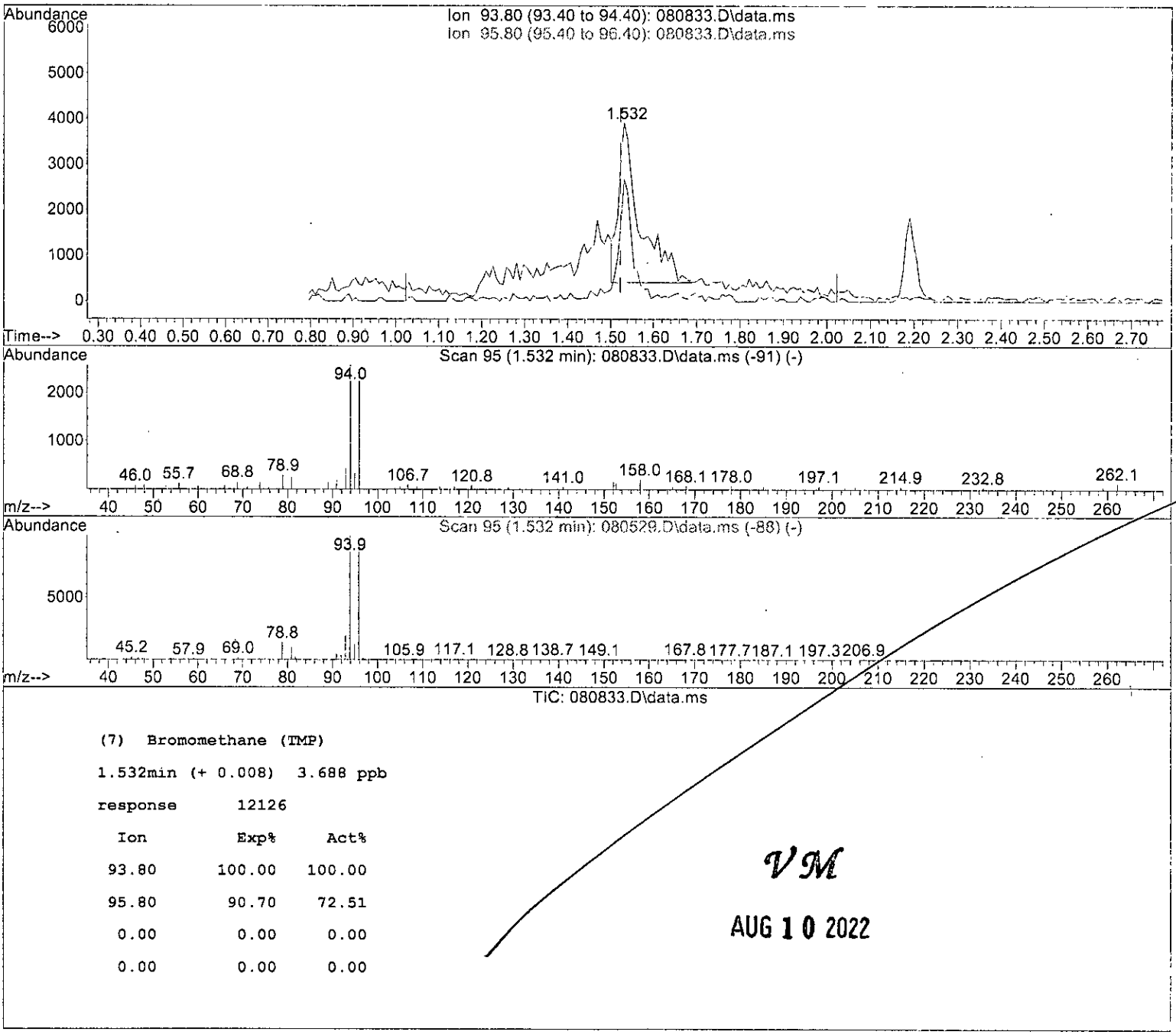
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.046	5.0	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.602	0.8	100	0.00
75 TMP	Naphthalene	2.108	2.076	1.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.962	2.4	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:26:54 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080833.D\data.ms

(7) Bromomethane (TMP)

1.532min (+ 0.008) 3.688 ppb

response 12126

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	72.51
0.00	0.00	0.00
0.00	0.00	0.00

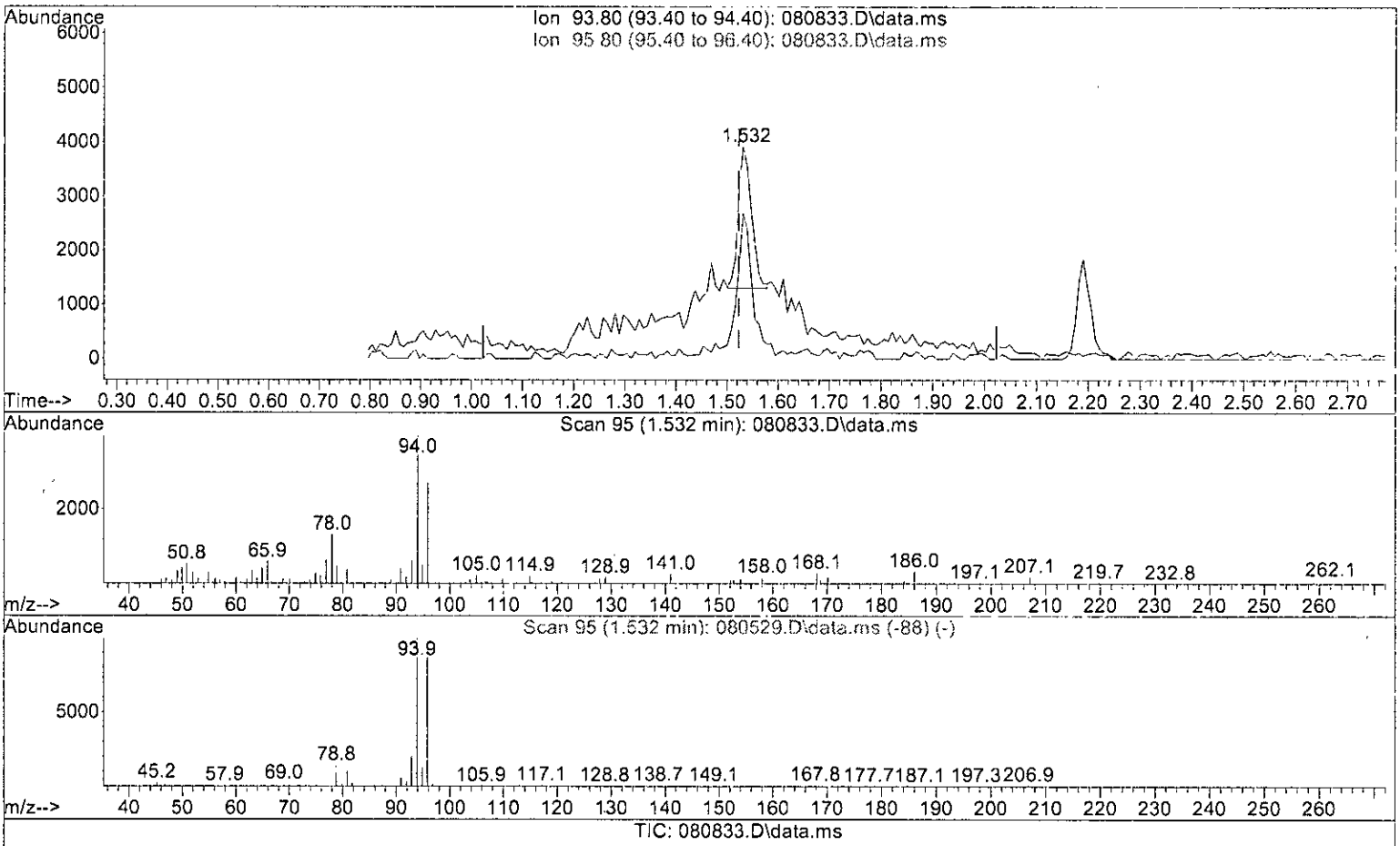
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:26:54 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080833.D\data.ms

(7) Bromomethane (TMP)

1.532min (+ 0.008) 1.450 ppb m

response 4768

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	68.55
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	69482	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	54121	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31221	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19356	10.174	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.70%			
30) 1,2-Dichloroethane-d4	4.35	102	4012	9.739	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 97.40%			
35) Toluene-d8	5.98	98	67188	10.055	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.50%			
57) 4-Bromofluorobenzene	8.38	95	26559	10.295	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 103.00%			
Target Compounds						Qvalue
2) Ethanol	1.91	45	59	No Calib		
4) Dichlorodifluoromethane	1.09	85	8816	1.548	ppb	97
5) Chloromethane	1.23	50	11204	1.862	ppb	87
6] Vinyl chloride	1.30	62	10530	1.897	ppb	100
7) Bromomethane	1.53	94	4768m	1.450	ppb	
8] Chloroethane	1.59	64	5546	1.976	ppb	88
9) Trichlorofluoromethane	1.77	101	11275	1.695	ppb	98
10) 2-Propanol	2.40	45	77	No Calib		
11) Acetone	2.26	58	1614	8.239	ppb #	55
12] 1,1-Dichloroethene	2.19	96	3208	1.693	ppb	95
13) Hexane	3.05	57	5270	1.827	ppb	96
14) Methylene chloride	2.60	84	33735	11.474	ppb	96
15) t-Butyl alcohol (TBA)	2.74	59	1782	8.528	ppb	87
16] Methyl t-butyl ether (...	2.84	73	9442	1.804	ppb	97
17] trans-1,2-Dichloroethene	2.82	96	4098	2.034	ppb	88
18) Diisopropyl ether (DIPE)	3.24	45	10826	1.660	ppb	96
19] 1,1-Dichloroethane	3.18	63	6471	1.720	ppb	97
20) Ethyl t-butyl ether (E...	3.55	87	4004	1.748	ppb	91
21) 2,2-Dichloropropane	3.66	77	3812	1.719	ppb	98
22] cis-1,2-Dichloroethene	3.67	96	3695	1.725	ppb	93
23) Chloroform	3.94	83	6077	1.782	ppb	97
24) 2-Butanone (MEK)	3.71	43	7894	8.884	ppb	98
25) t-Amyl methyl ether (T...	4.49	73	8878	1.764	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	4867	1.767	ppb	97
27] 1,1,1-Trichloroethane	4.08	97	5385	1.722	ppb	93

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.22	75	4409	1.706	ppb	96
29) Carbon tetrachloride	4.21	117	4786	1.764	ppb	77
31] Benzene	4.39	78	13008	1.753	ppb	96
32] Trichloroethene	4.93	95	3791	1.777	ppb	91
33) 1,2-Dichloropropane	5.13	63	3417	1.712	ppb	93
34) Bromodichloromethane	5.37	83	4091	1.687	ppb	93
36) Dibromomethane	5.23	93	2063	1.787	ppb	96
37) 4-Methyl-2-pentanone	5.91	85	2432	8.589	ppb	99
38) cis-1,3-Dichloropropene	5.75	75	4940	1.806	ppb	96
40] Toluene	6.03	92	8242	1.723	ppb	99
41) trans-1,3-Dichloropropene	6.25	75	4058	1.623	ppb	94
42] 1,1,2-Trichloroethane	6.40	83	2356	1.739	ppb	97
43) 2-Hexanone	6.64	43	11456	8.863	ppb	95
44) 1,3-Dichloropropane	6.55	76	4188	1.742	ppb	93
45] Tetrachloroethene	6.51	164	3448	1.800	ppb	99
46) Dibromochloromethane	6.75	129	3006	1.650	ppb	97
47] 1,2-Dibromoethane (EDB)	6.85	107	2857	1.682	ppb	100
48) Chlorobenzene	7.30	112	9354	1.770	ppb	99
49] Ethylbenzene	7.41	91	15205	1.747	ppb	85
50) 1,1,1,2-Tetrachloroethane	7.38	131	3415	1.792	ppb	91
51] m,p-Xylene	7.52	106	11803	3.494	ppb	97
52] o-Xylene	7.88	106	5803	1.731	ppb	98
53) Styrene	7.90	104	8959	1.673	ppb	100
54) Isopropylbenzene	8.23	105	15019	1.725	ppb	97
55) Bromoform	8.07	173	2002	1.621	ppb	88
58) n-Propylbenzene	8.63	91	17223	1.734	ppb	99
59) Bromobenzene	8.52	156	4199	1.700	ppb	92
60) 1,3,5-Trimethylbenzene	8.80	105	12600	1.712	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.54	83	3822	1.889	ppb	91
62) 1,2,3-Trichloropropane	8.57	75	2529	1.779	ppb	94
63) 2-Chlorotoluene	8.70	91	10344	1.759	ppb	96
64) 4-Chlorotoluene	8.81	91	12166	1.789	ppb	95
65) tert-Butylbenzene	9.11	119	11104	1.689	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	12654	1.670	ppb	97
67) sec-Butylbenzene	9.32	105	16182	1.685	ppb	99
68) p-Isopropyltoluene	9.47	119	14288	1.721	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	8117	1.749	ppb	94
70) 1,4-Dichlorobenzene	9.51	146	7582	1.676	ppb	95
71) 1,2-Dichlorobenzene	9.87	146	7835	1.727	ppb	91
72) 1,2-Dibromo-3-chloropr...	10.64	75	623	1.713	ppb	93
73) 1,2,4-Trichlorobenzene	11.44	180	5663	1.647	ppb	98

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

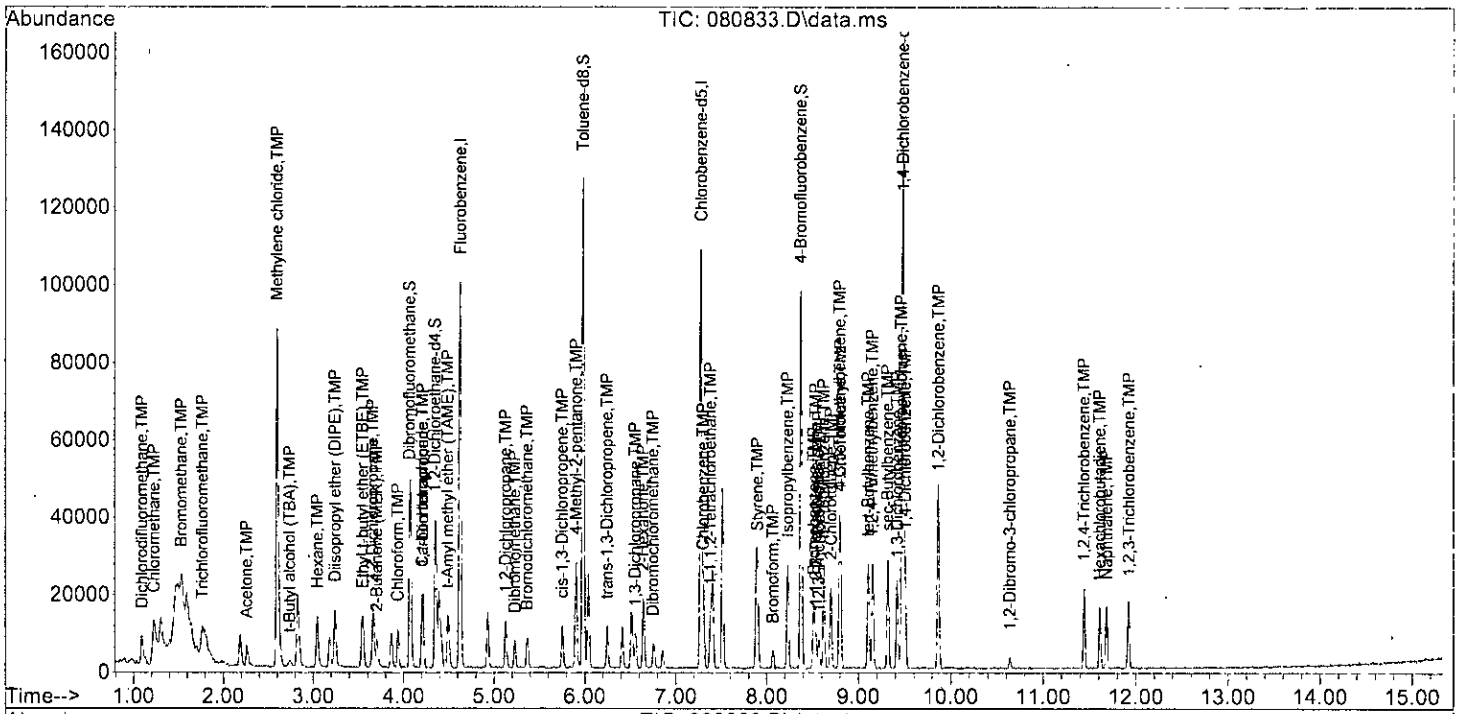
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	3261	1.722	ppb	95
75) Naphthalene	11.69	128	10554	1.604	ppb	98
76) 1,2,3-Trichlorobenzene	11.93	180	5148	1.672	ppb	96

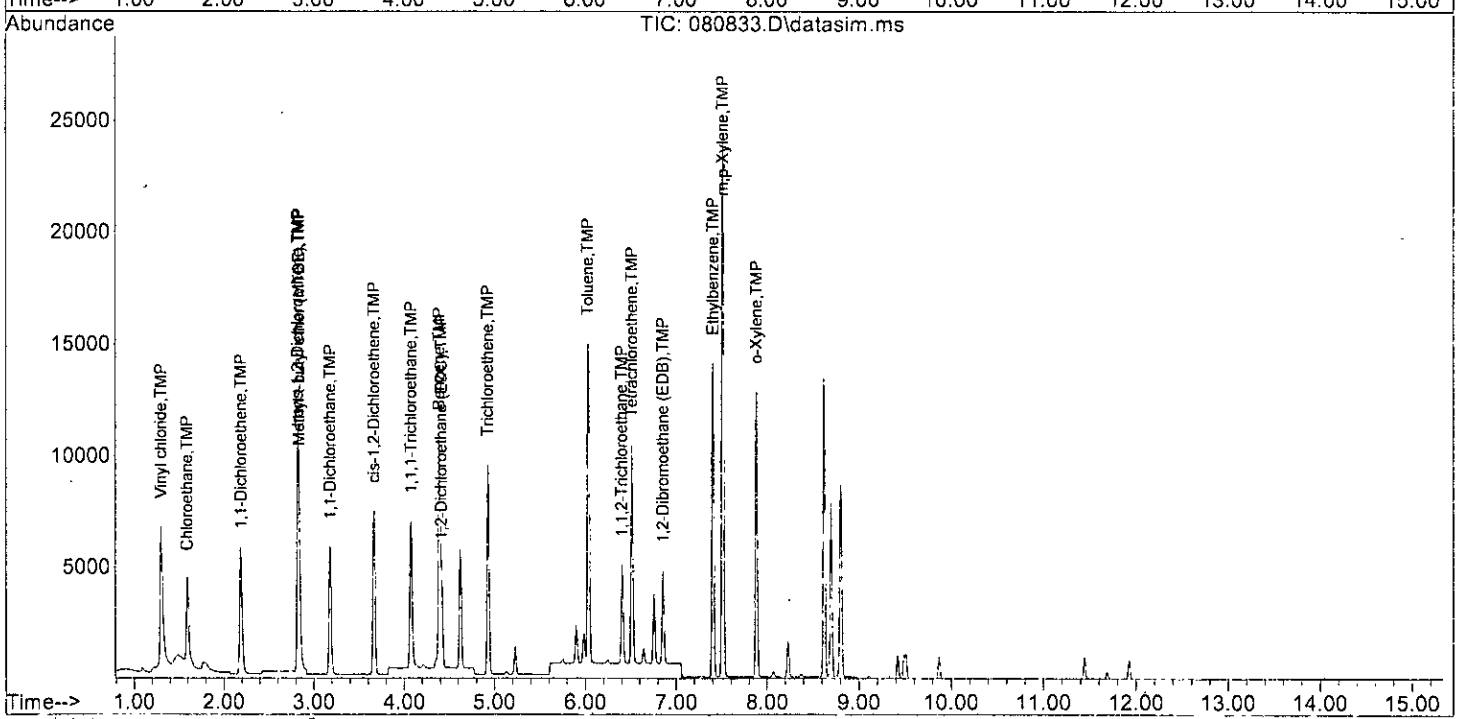
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.02
3	S	Dibromofluoromethane	10.000	10.174	-1.7	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	1.548	22.6#	91	0.00
5	TMP	Chloromethane	2.000	1.862	6.9	106	0.00
6	TMP	Vinyl chloride	2.000	1.897	5.1	108	0.00
7	TMP	Bromomethane	2.000	1.450	27.5#	100	0.00
8	TMP	Chloroethane	2.000	1.976	1.2	114	0.00
9	TMP	Trichlorofluoromethane	2.000	1.695	15.2	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	10.000	8.239	17.6	100	0.00
12	TMP	1,1-Dichloroethene	2.000	1.693	15.3	100	0.00
13	TMP	Hexane	2.000	1.827	8.7	100	0.00
14	TMP	Methylene chloride	-1.000	11.474	0.0	0	0.00
15	TMP	t-Butyl alcohol (TBA)	10.000	8.528	14.7	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	2.000	1.804	9.8	106	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	2.034	-1.7	119	0.00
18	TMP	Diisopropyl ether (DIPE)	2.000	1.660	17.0	100	0.00
19	TMP	1,1-Dichloroethane	2.000	1.720	14.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	1.748	12.6	100	0.00
21	TMP	2,2-Dichloropropane	2.000	1.719	14.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	1.725	13.7	100	0.00
23	TMP	Chloroform	2.000	1.782	10.9	100	0.00
24	TMP	2-Butanone (MEK)	10.000	8.884	11.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	1.764	11.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	1.767	11.7	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	1.722	13.9	100	0.00
28	TMP	1,1-Dichloropropene	2.000	1.706	14.7	100	0.00
29	TMP	Carbon tetrachloride	2.000	1.764	11.8	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.739	2.6	100	0.00
31	TMP	Benzene	2.000	1.753	12.4	100	0.00
32	TMP	Trichloroethene	2.000	1.777	11.2	102	0.00
33	TMP	1,2-Dichloropropane	2.000	1.712	14.4	100	0.00
34	TMP	Bromodichloromethane	2.000	1.687	15.6	100	0.00
35	S	Toluene-d8	10.000	10.055	-0.5	100	0.00
36	TMP	Dibromomethane	2.000	1.787	10.7	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	8.589	14.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	2.000	1.806	9.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	1.723	13.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	1.623	18.9	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	1.739	13.0	100	0.00
43	TMP	2-Hexanone	10.000	8.863	11.4	100	0.00
44	TMP	1,3-Dichloropropane	2.000	1.742	12.9	100	0.00
45	TMP	Tetrachloroethene	2.000	1.800	10.0	100	0.00
46	TMP	Dibromochloromethane	2.000	1.650	17.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	2.000	1.682	15.9	100	0.00
48	TMP	Chlorobenzene	2.000	1.770	11.5	100	0.00
49	TMP	Ethylbenzene	2.000	1.747	12.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	2.000	1.792	10.4	100	0.00
51	TMP	m,p-Xylene	4.000	3.494	12.6	100	0.00
52	TMP	o-Xylene	2.000	1.731	13.4	100	0.00
53	TMP	Styrene	2.000	1.673	16.3	100	0.00
54	TMP	Isopropylbenzene	2.000	1.725	13.7	100	0.00
55	TMP	Bromoform	2.000	1.621	18.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.295	-2.9	100	0.00
58	TMP	n-Propylbenzene	2.000	1.734	13.3	100	0.00
59	TMP	Bromobenzene	2.000	1.700	15.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.000	1.712	14.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	2.000	1.889	5.5	100	0.00
62	TMP	1,2,3-Trichloropropane	2.000	1.779	11.1	100	0.00
63	TMP	2-Chlorotoluene	2.000	1.759	12.1	100	0.00
64	TMP	4-Chlorotoluene	2.000	1.789	10.6	100	0.00
65	TMP	tert-Butylbenzene	2.000	1.689	15.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.000	1.670	16.5	100	0.00
67	TMP	sec-Butylbenzene	2.000	1.685	15.7	100	0.00
68	TMP	p-Isopropyltoluene	2.000	1.721	13.9	100	0.00
69	TMP	1,3-Dichlorobenzene	2.000	1.749	12.5	100	0.00
70	TMP	1,4-Dichlorobenzene	2.000	1.676	16.2	100	0.00
71	TMP	1,2-Dichlorobenzene	2.000	1.727	13.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	2.000	1.713	14.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	2.000	1.647	17.6	100	0.00
74 TMP	Hexachlorobutadiene	2.000	1.722	13.9	100	0.00
75 TMP	Naphthalene	2.000	1.604	19.8	100	0.00
76 TMP	1,2,3-Trichlorobenzene	2.000	1.672	16.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.02
3	S	Dibromofluoromethane	0.274	0.279	-1.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.634	22.7#	91	0.00
5	TMP	Chloromethane	0.866	0.806	6.9	106	0.00
6	TMP	Vinyl chloride	0.799	0.758	5.1	108	0.00
7	TMP	Bromomethane	0.473	0.343	27.5#	100	0.00
8	TMP	Chloroethane	0.404	0.399	1.2	114	0.00
9	TMP	Trichlorofluoromethane	0.957	0.811	15.3	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.231	15.4	100	0.00
13	TMP	Hexane	0.415	0.379	8.7	100	0.00
14	TMP	Methylene chloride	0.362	0.000#	100.0#	0#	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.026#	13.3	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.679	9.8	106	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.295	6.3	119	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.779	17.0	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.466	13.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.288	12.7	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.274	14.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.266	18.2	100	0.00
23	TMP	Chloroform	0.491	0.437	11.0	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.114	13.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.639	11.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.350	23.4#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.388	13.8	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.317	14.8	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.344	11.8	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.058	1.7	100	0.00
31	TMP	Benzene	1.115	0.936	16.1	100	0.00
32	TMP	Trichloroethene	0.327	0.273	16.5	102	0.00
33	TMP	1,2-Dichloropropane	0.287	0.246	14.3	100	0.00
34	TMP	Bromodichloromethane	0.349	0.294	15.8	100	0.00
35	S	Toluene-d8	0.962	0.967	-0.5	100	0.00
36	TMP	Dibromomethane	0.166	0.148	10.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.035	14.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.355	9.9	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.761	27.2#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.375	18.8	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.218	12.8	100	0.00
43	TMP	2-Hexanone	0.239	0.212	11.3	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.387	12.8	100	0.00
45	TMP	Tetrachloroethene	0.421	0.319	24.2#	100	0.00
46	TMP	Dibromochloromethane	0.337	0.278	17.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.264	15.9	100	0.00
48	TMP	Chlorobenzene	0.977	0.864	11.6	100	0.00
49	TMP	Ethylbenzene	1.708	1.405	17.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.315	10.5	100	0.00
51	TMP	m,p-Xylene	0.670	0.545	18.7	100	0.00
52	TMP	o-Xylene	0.661	0.536	18.9	100	0.00
53	TMP	Styrene	0.990	0.828	16.4	100	0.00
54	TMP	Isopropylbenzene	1.609	1.388	13.7	100	0.00
55	TMP	Bromoform	0.228	0.185	18.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.851	-3.0	100	0.00
58	TMP	n-Propylbenzene	3.181	2.758	13.3	100	0.00
59	TMP	Bromobenzene	0.791	0.672	15.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.018	14.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.612	5.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.405#	11.0	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.657	12.0	100	0.00
64	TMP	4-Chlorotoluene	2.179	1.948	10.6	100	0.00
65	TMP	tert-Butylbenzene	2.106	1.778	15.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.027	16.5	100	0.00
67	TMP	sec-Butylbenzene	3.077	2.592	15.8	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.288	14.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.300	12.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.214	16.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.255	13.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.100	13.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080833.D
Acq On : 08 Aug 2022 08:48 pm
Operator : RF
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:27:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

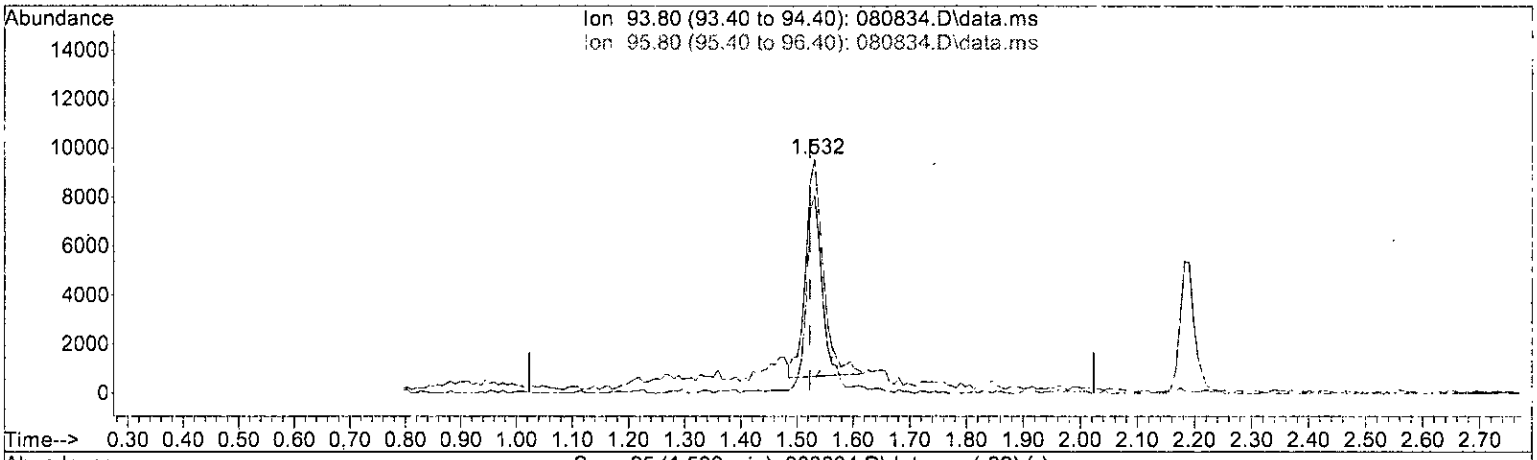
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	0.907	17.6	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.522	14.0	100	0.00
75 TMP	Naphthalene	2.108	1.690	19.8	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.824	16.4	100	0.00

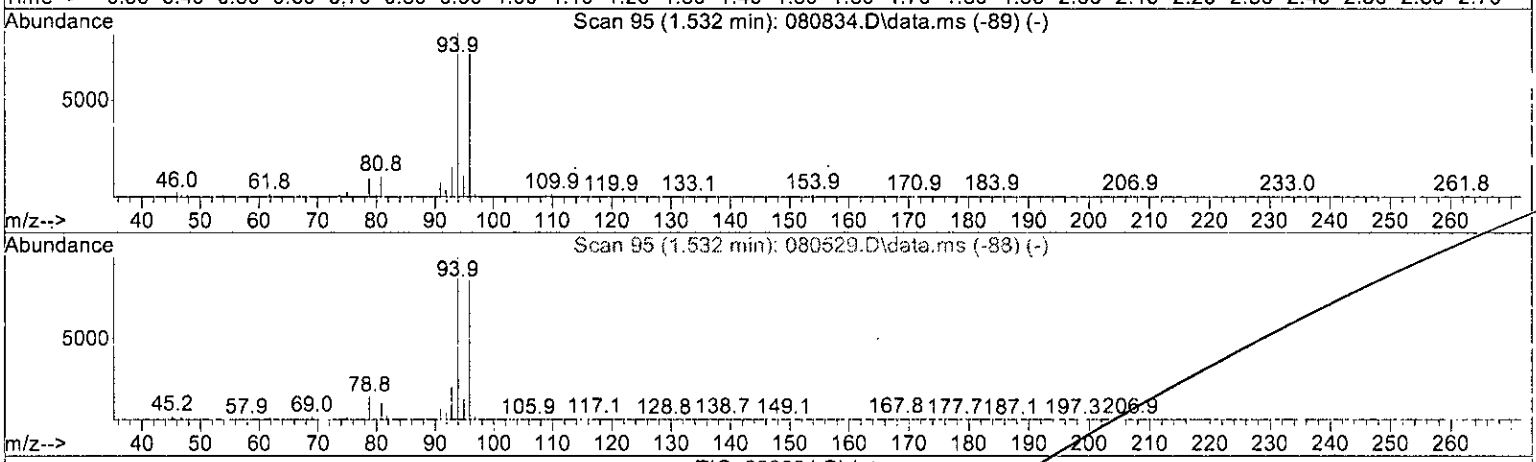
(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:35 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080834.D\data.ms

(7) Bromomethane (TMP)

1.532min (+ 0.008) 5.878 ppb

response 19446

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	90.86
0.00	0.00	0.00
0.00	0.00	0.00

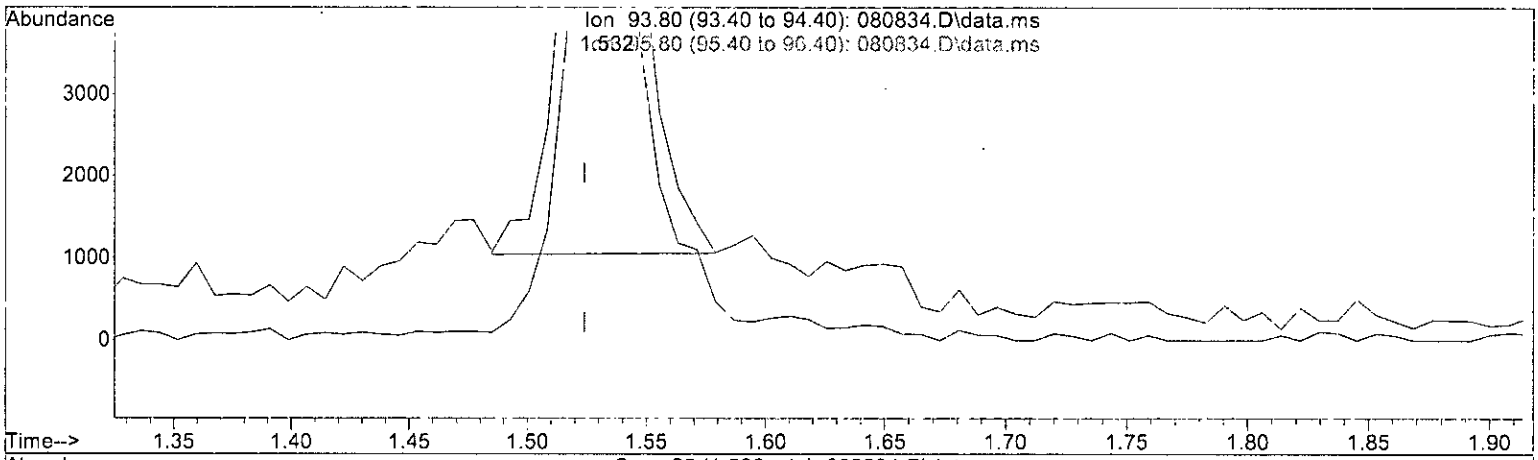
VM

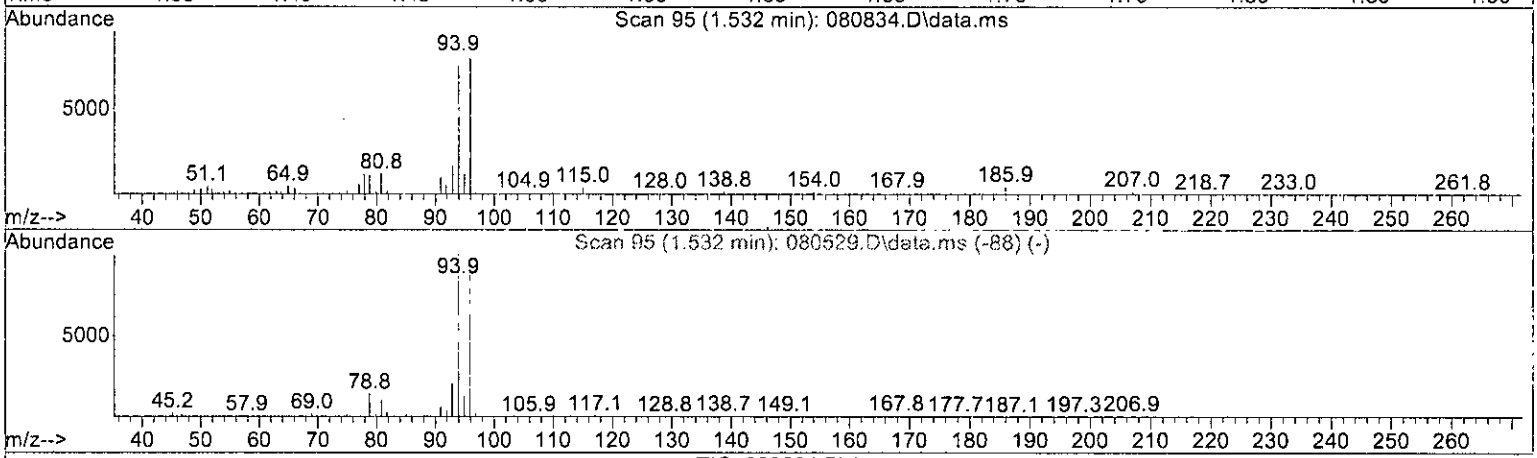
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:35 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080834.D\data.ms

(7) Bromomethane (TMP)

1.532min (+ 0.008) 5.045 ppb m

response 16689

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	84.44
0.00	0.00	0.00
0.00	0.00	0.00

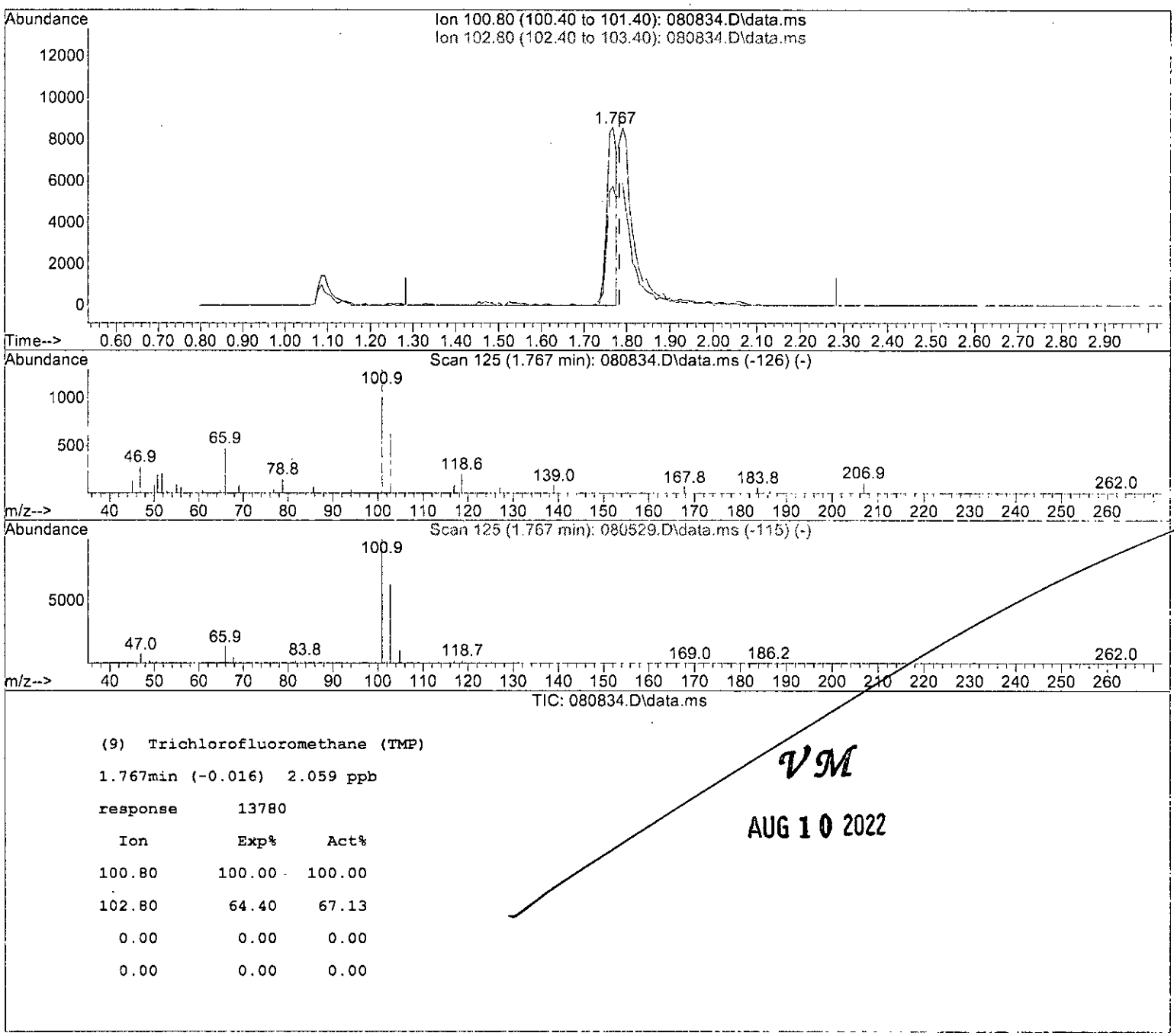
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:35 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080834.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.767min (-0.016) 2.059 ppb

response 13780

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	67.13
0.00	0.00	0.00
0.00	0.00	0.00

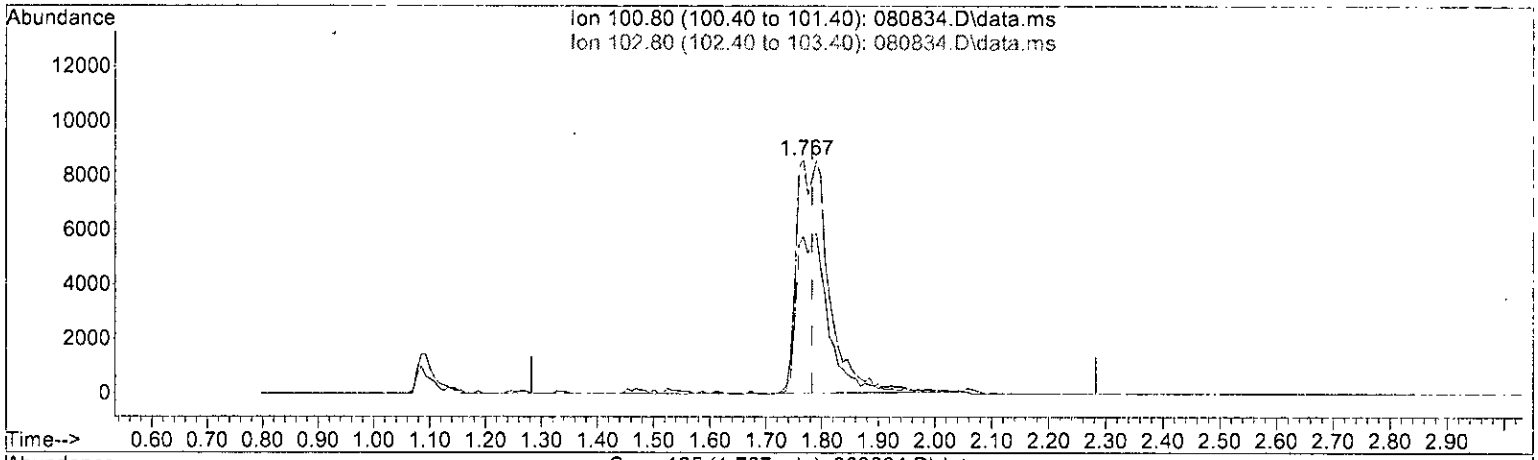
VM

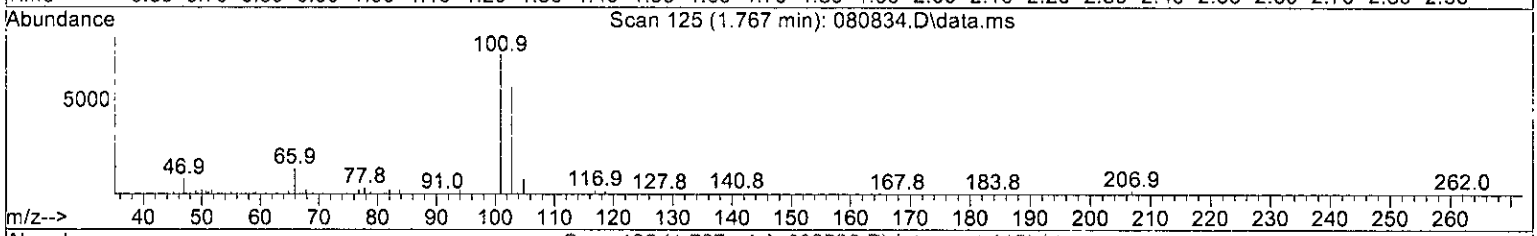
AUG 10 2022

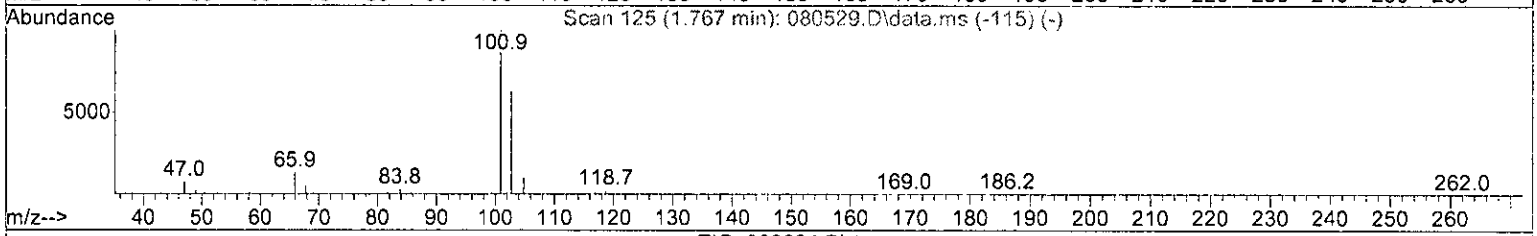
Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:35 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 080834.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.767min (-0.016) 5.184 ppb m

response 34693

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	67.13
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	69904	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	54991	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	31424	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19510	10.193	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.90%			
30) 1,2-Dichloroethane-d4	4.35	102	4144	9.998	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 100.00%			
35) Toluene-d8	5.98	98	68897	10.248	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 102.50%			
57) 4-Bromofluorobenzene	8.38	95	25359	9.767	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 97.70%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	29878	5.214	ppb	99
5) Chloromethane	1.23	50	33495	5.533	ppb	97
6] Vinyl chloride	1.29	62	31395	5.623	ppb	96
7) Bromomethane	1.53	94	16689m	5.045	ppb	
8] Chloroethane	1.59	64	15682	5.553	ppb	91
9) Trichlorofluoromethane	1.77	101	34693m	5.184	ppb	
10) 2-Propanol	2.40	45	98	No Calib		
11) Acetone	2.26	58	4444	24.907	ppb	94
12] 1,1-Dichloroethene	2.18	96	9920	5.204	ppb	93
13) Hexane	3.04	57	15166	5.225	ppb	99
14) Methylene chloride	2.60	84	21058	5.389	ppb	99
15) t-Butyl alcohol (TBA)	2.73	59	5564	26.466	ppb	93
16] Methyl t-butyl ether (...	2.83	73	28156	5.347	ppb	98
17] trans-1,2-Dichloroethene	2.82	96	11133	5.515	ppb	96
18) Diisopropyl ether (DIPE)	3.24	45	33824	5.156	ppb	95
19] 1,1-Dichloroethane	3.17	63	19649	5.191	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	12290	5.334	ppb	91
21) 2,2-Dichloropropane	3.66	77	11287	5.319	ppb	99
22] cis-1,2-Dichloroethene	3.66	96	12221	5.691	ppb	98
23) Chloroform	3.94	83	17777	5.180	ppb	97
24) 2-Butanone (MEK)	3.70	43	22153	25.592	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	26077	5.150	ppb	97
26] 1,2-Dichloroethane (EDC)	4.41	62	14696	5.354	ppb	99
27] 1,1,1-Trichloroethane	4.07	97	16462	5.231	ppb	98

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.21	75	13745	5.286	ppb	98
29) Carbon tetrachloride	4.21	117	13764	5.043	ppb	98
31] Benzene	4.38	78	39507	5.307	ppb	99
32] Trichloroethene	4.93	95	11265	5.270	ppb	98
33) 1,2-Dichloropropane	5.13	63	10852	5.403	ppb	97
34) Bromodichloromethane	5.37	83	12772	5.236	ppb	98
36) Dibromomethane	5.23	93	5776	4.973	ppb	96
37) 4-Methyl-2-pentanone	5.91	85	7365	25.853	ppb	95
38) cis-1,3-Dichloropropene	5.75	75	15251	5.542	ppb	97
40] Toluene	6.03	92	24571	5.188	ppb	100
41) trans-1,3-Dichloropropene	6.25	75	12802	5.039	ppb	97
42] 1,1,2-Trichloroethane	6.40	83	7191	5.225	ppb	99
43) 2-Hexanone	6.64	43	33906	25.817	ppb	98
44) 1,3-Dichloropropane	6.55	76	13006	5.325	ppb	97
45] Tetrachloroethene	6.51	164	10157	5.277	ppb	99
46) Dibromochloromethane	6.75	129	9300	5.024	ppb	89
47] 1,2-Dibromoethane (EDB)	6.85	107	8693	5.036	ppb	99
48) Chlorobenzene	7.30	112	27493	5.119	ppb	98
49] Ethylbenzene	7.40	91	46207	5.244	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.38	131	9869	5.097	ppb	97
51] m,p-Xylene	7.52	106	35643	10.431	ppb	100
52] o-Xylene	7.88	106	17671	5.211	ppb	98
53) Styrene	7.90	104	28077	5.159	ppb	97
54) Isopropylbenzene	8.23	105	44468	5.025	ppb	98
55) Bromoform	8.07	173	6434	5.128	ppb	96
58) n-Propylbenzene	8.63	91	51211	5.123	ppb	98
59) Bromobenzene	8.52	156	12730	5.122	ppb	97
60) 1,3,5-Trimethylbenzene	8.80	105	37457	5.055	ppb	96
61) 1,1,2,2-Tetrachloroethane	8.53	83	10752	5.279	ppb	95
62) 1,2,3-Trichloropropane	8.57	75	7834	5.475	ppb	94
63) 2-Chlorotoluene	8.70	91	30619	5.173	ppb	98
64) 4-Chlorotoluene	8.81	91	36071	5.269	ppb	94
65) tert-Butylbenzene	9.11	119	33623	5.080	ppb	93
66) 1,2,4-Trimethylbenzene	9.16	105	38340	5.028	ppb	99
67) sec-Butylbenzene	9.32	105	49438	5.113	ppb	98
68) p-Isopropyltoluene	9.47	119	41694	4.989	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	23687	5.071	ppb	96
70) 1,4-Dichlorobenzene	9.51	146	22927	5.034	ppb	96
71) 1,2-Dichlorobenzene	9.87	146	23636	5.175	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	1795	4.904	ppb	94
73) 1,2,4-Trichlorobenzene	11.44	180	17553	5.073	ppb	92

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

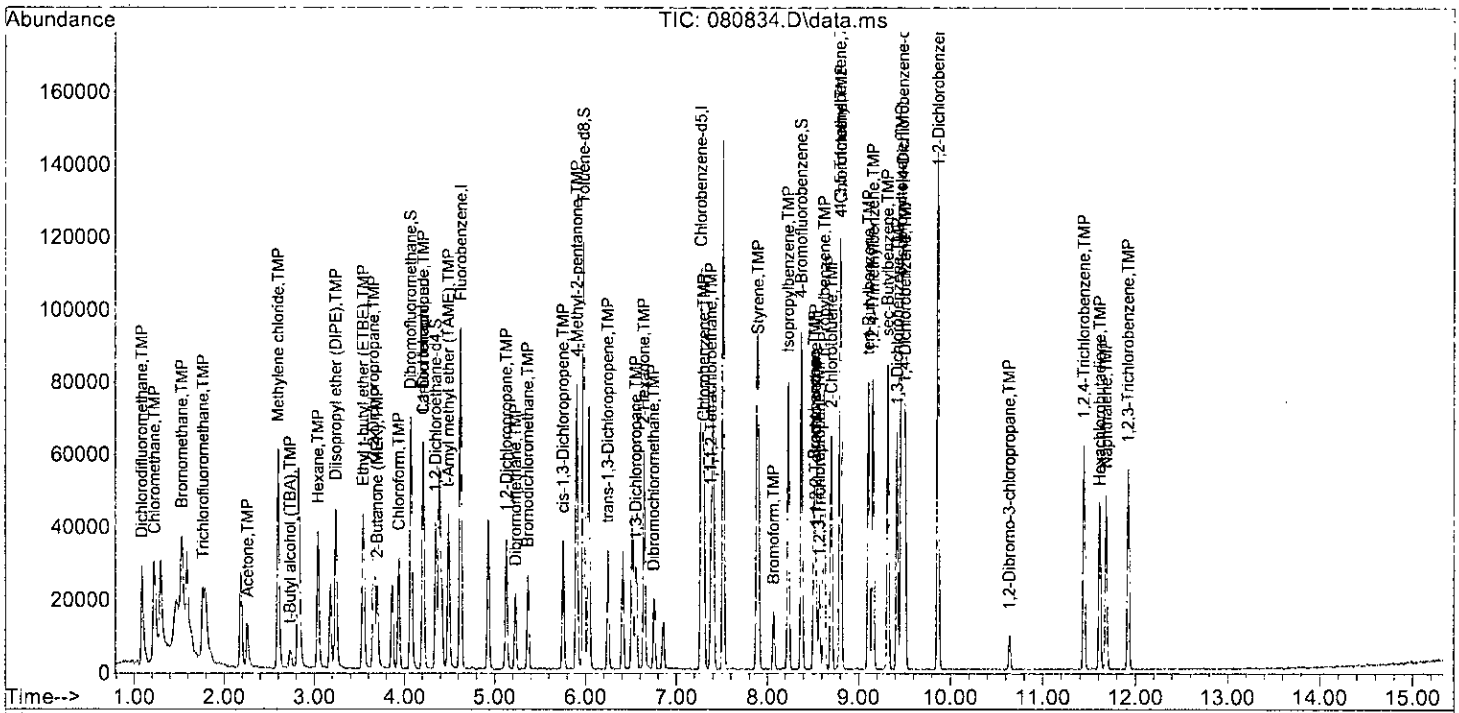
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.62	225	9730	5.104	ppb	97
75) Naphthalene	11.69	128	33160	5.006	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	15433	4.979	ppb	93

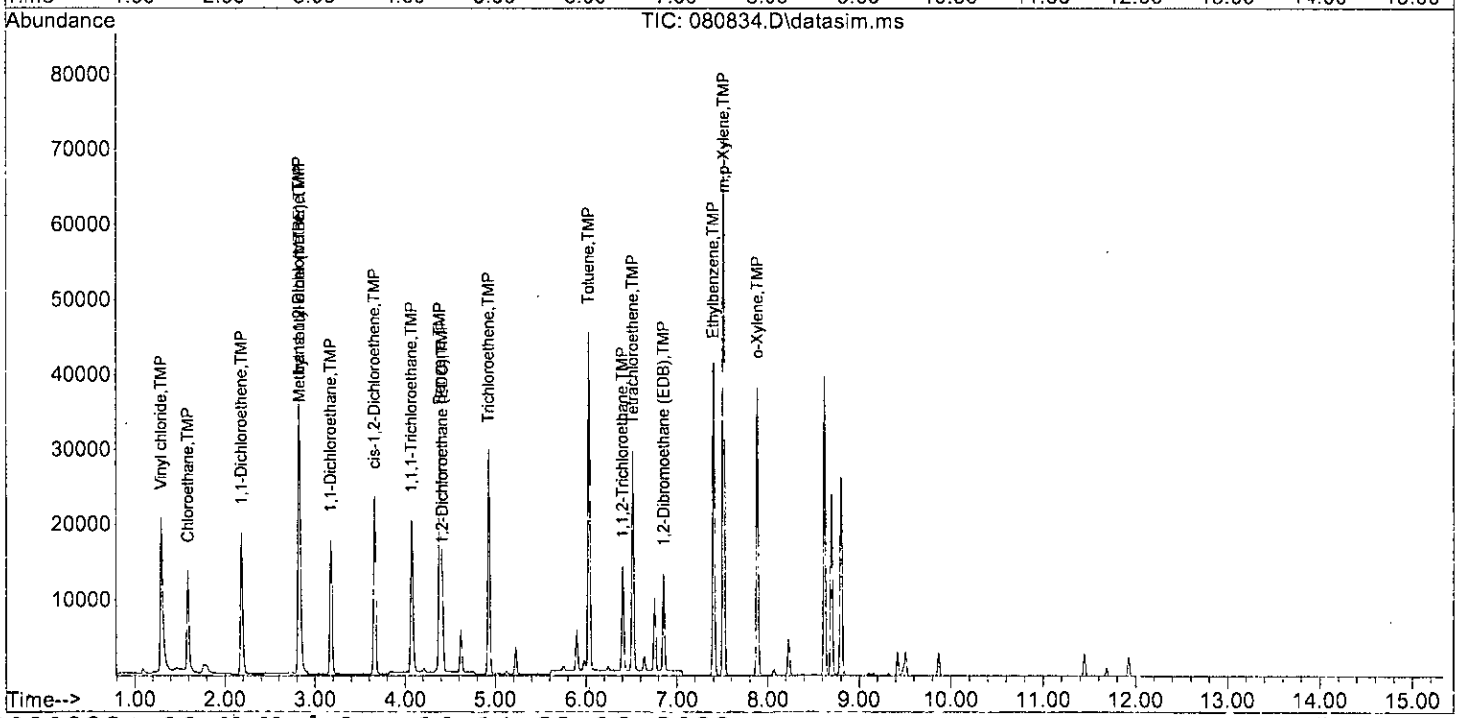
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.193	-1.9	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	5.214	-4.3	100	0.00
5	TMP	Chloromethane	5.000	5.533	-10.7	104	0.00
6	TMP	Vinyl chloride	5.000	5.623	-12.5	100	0.00
7	TMP	Bromomethane	5.000	5.045	-0.9	104	0.00
8	TMP	Chloroethane	5.000	5.553	-11.1	100	0.00
9	TMP	Trichlorofluoromethane	5.000	5.184	-3.7	94	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	25.000	24.907	0.4	100	0.00
12	TMP	1,1-Dichloroethene	5.000	5.204	-4.1	100	0.00
13	TMP	Hexane	5.000	5.225	-4.5	100	0.00
14	TMP	Methylene chloride	5.000	5.389	-7.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	25.000	26.466	-5.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	5.000	5.347	-6.9	102	0.00
17	TMP	trans-1,2-Dichloroethene	5.000	5.515	-10.3	107	0.00
18	TMP	Diisopropyl ether (DIPE)	5.000	5.156	-3.1	100	0.00
19	TMP	1,1-Dichloroethane	5.000	5.191	-3.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	5.334	-6.7	100	0.00
21	TMP	2,2-Dichloropropane	5.000	5.319	-6.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	5.000	5.691	-13.8	100	0.00
23	TMP	Chloroform	5.000	5.180	-3.6	100	0.00
24	TMP	2-Butanone (MEK)	25.000	25.592	-2.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	5.000	5.150	-3.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	5.000	5.354	-7.1	100	0.00
27	TMP	1,1,1-Trichloroethane	5.000	5.231	-4.6	100	0.00
28	TMP	1,1-Dichloropropene	5.000	5.286	-5.7	100	0.00
29	TMP	Carbon tetrachloride	5.000	5.043	-0.9	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.998	0.0	100	0.00
31	TMP	Benzene	5.000	5.307	-6.1	100	0.00
32	TMP	Trichloroethene	5.000	5.270	-5.4	100	0.00
33	TMP	1,2-Dichloropropane	5.000	5.403	-8.1	100	0.00
34	TMP	Bromodichloromethane	5.000	5.236	-4.7	100	0.00
35	S	Toluene-d8	10.000	10.248	-2.5	100	0.00
36	TMP	Dibromomethane	5.000	4.973	0.5	100	0.00
37	TMP	4-Methyl-2-pentanone	25.000	25.853	-3.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	5.000	5.542	-10.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	5.000	5.188	-3.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	5.000	5.039	-0.8	100	0.00
42	TMP	1,1,2-Trichloroethane	5.000	5.225	-4.5	100	0.00
43	TMP	2-Hexanone	25.000	25.817	-3.3	100	0.00
44	TMP	1,3-Dichloropropane	5.000	5.325	-6.5	100	0.00
45	TMP	Tetrachloroethene	5.000	5.277	-5.5	100	0.00
46	TMP	Dibromochloromethane	5.000	5.024	-0.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	5.000	5.036	-0.7	100	0.00
48	TMP	Chlorobenzene	5.000	5.119	-2.4	100	0.00
49	TMP	Ethylbenzene	5.000	5.244	-4.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	5.000	5.097	-1.9	100	0.00
51	TMP	m,p-Xylene	10.000	10.431	-4.3	100	0.00
52	TMP	o-Xylene	5.000	5.211	-4.2	100	0.00
53	TMP	Styrene	5.000	5.159	-3.2	100	0.00
54	TMP	Isopropylbenzene	5.000	5.025	-0.5	100	0.00
55	TMP	Bromoform	5.000	5.128	-2.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.767	2.3	100	0.00
58	TMP	n-Propylbenzene	5.000	5.123	-2.5	100	0.00
59	TMP	Bromobenzene	5.000	5.122	-2.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	5.000	5.055	-1.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	5.000	5.279	-5.6	100	0.00
62	TMP	1,2,3-Trichloropropane	5.000	5.475	-9.5	100	0.00
63	TMP	2-Chlorotoluene	5.000	5.173	-3.5	100	0.00
64	TMP	4-Chlorotoluene	5.000	5.269	-5.4	100	0.00
65	TMP	tert-Butylbenzene	5.000	5.080	-1.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	5.000	5.028	-0.6	100	0.00
67	TMP	sec-Butylbenzene	5.000	5.113	-2.3	100	0.00
68	TMP	p-Isopropyltoluene	5.000	4.989	0.2	100	0.00
69	TMP	1,3-Dichlorobenzene	5.000	5.071	-1.4	100	0.00
70	TMP	1,4-Dichlorobenzene	5.000	5.034	-0.7	100	0.00
71	TMP	1,2-Dichlorobenzene	5.000	5.175	-3.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	5.000	4.904	1.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	5.000	5.073	-1.5	100	0.00
74 TMP	Hexachlorobutadiene	5.000	5.104	-2.1	100	0.00
75 TMP	Naphthalene	5.000	5.006	-0.1	100	0.00
76 TMP	1,2,3-Trichlorobenzene	5.000	4.979	0.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.279	-1.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.855	-4.3	100	0.00
5	TMP	Chloromethane	0.866	0.958	-10.6	104	0.00
6	TMP	Vinyl chloride	0.799	0.898	-12.4	100	0.00
7	TMP	Bromomethane	0.473	0.477	-0.8	104	0.00
8	TMP	Chloroethane	0.404	0.449	-11.1	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.993	-3.8	94	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.025	0.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.284	-4.0	100	0.00
13	TMP	Hexane	0.415	0.434	-4.6	100	0.00
14	TMP	Methylene chloride	0.362	0.602	-66.3#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.032	-6.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.806	-7.0	102	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.319	-1.3	107	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.968	-3.2	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.562	-3.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.352	-6.7	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.323	-1.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.350	-7.7	100	0.00
23	TMP	Chloroform	0.491	0.509	-3.7	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.127	3.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.746	-3.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.420	8.1	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.471	-4.7	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.393	-5.6	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.394	-1.0	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.059	0.0	100	0.00
31	TMP	Benzene	1.115	1.130	-1.3	100	0.00
32	TMP	Trichloroethene	0.327	0.322	1.5	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.310	-8.0	100	0.00
34	TMP	Bromodichloromethane	0.349	0.365	-4.6	100	0.00
35	S	Toluene-d8	0.962	0.986	-2.5	100	0.00
36	TMP	Dibromomethane	0.166	0.165	0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.042	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.436	-10.7	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.894	14.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.466	-0.9	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.262	-4.8	100	0.00
43	TMP	2-Hexanone	0.239	0.247	-3.3	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.473	-6.5	100	0.00
45	TMP	Tetrachloroethene	0.421	0.369	12.4	100	0.00
46	TMP	Dibromochloromethane	0.337	0.338	-0.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.316	-0.6	100	0.00
48	TMP	Chlorobenzene	0.977	1.000	-2.4	100	0.00
49	TMP	Ethylbenzene	1.708	1.681	1.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.359	-2.0	100	0.00
51	TMP	m,p-Xylene	0.670	0.648	3.3	100	0.00
52	TMP	o-Xylene	0.661	0.643	2.7	100	0.00
53	TMP	Styrene	0.990	1.021	-3.1	100	0.00
54	TMP	Isopropylbenzene	1.609	1.617	-0.5	100	0.00
55	TMP	Bromoform	0.228	0.234	-2.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.807	2.3	100	0.00
58	TMP	n-Propylbenzene	3.181	3.259	-2.5	100	0.00
59	TMP	Bromobenzene	0.791	0.810	-2.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.384	-1.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.684	-5.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.499#	-9.7	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.949	-3.5	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.296	-5.4	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.140	-1.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.440	-0.5	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.147	-2.3	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.654	0.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.508	-1.4	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.459	-0.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.504	-3.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.114	1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080834.D
Acq On : 08 Aug 2022 09:12 pm
Operator : RF
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:28:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

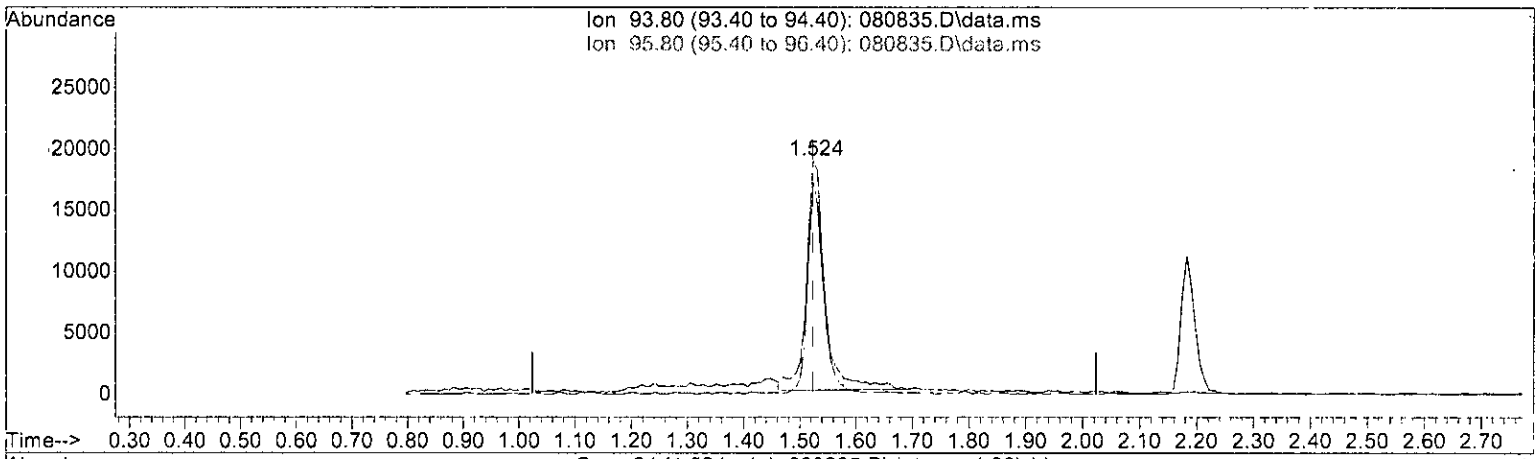
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.117	-1.5	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.619	-2.0	100	0.00
75 TMP	Naphthalene	2.108	2.110	-0.1	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.982	0.4	100	0.00

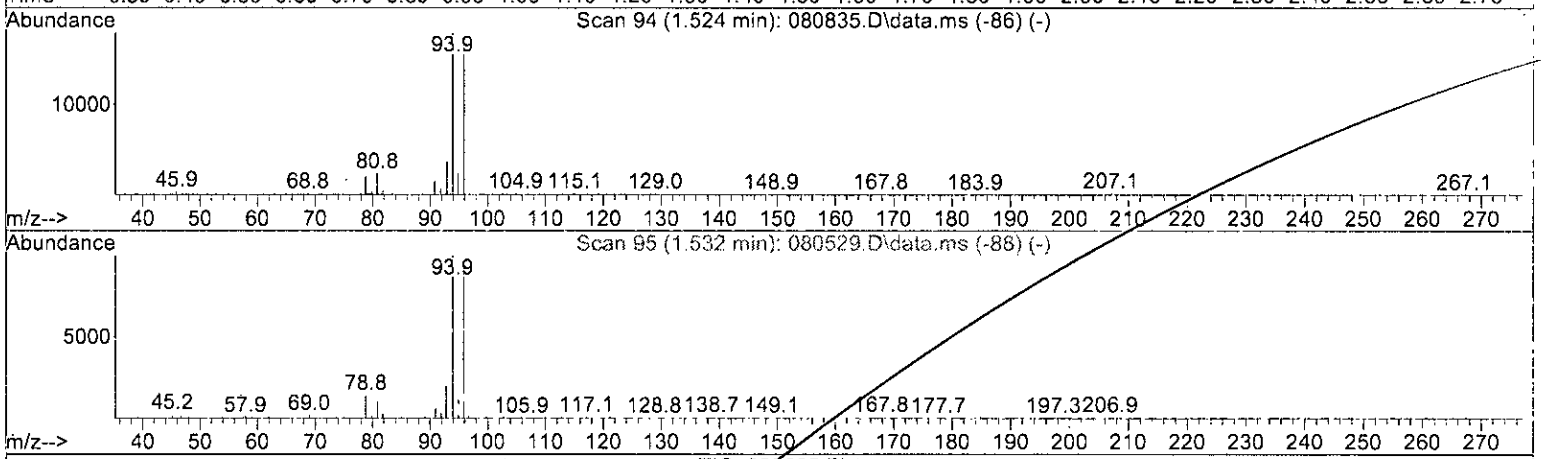
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080835.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 12.805 ppb

response 43773

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	92.14
0.00	0.00	0.00
0.00	0.00	0.00

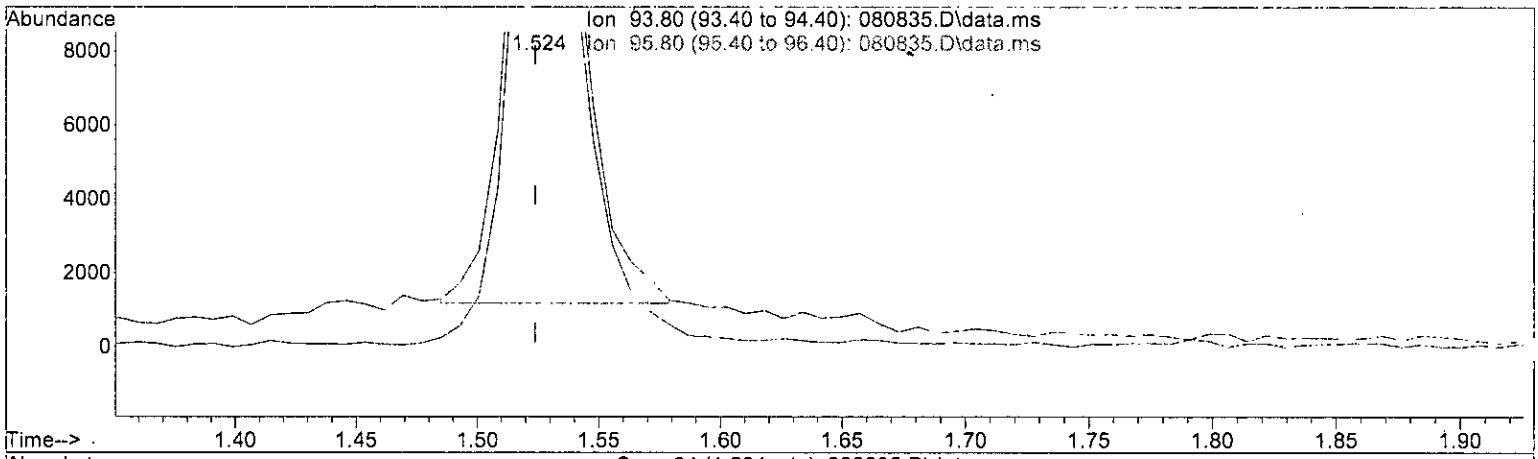
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:13 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080835.D\data.ms

(7) Bromomethane (TMP)

1.524min (+ 0.000) 10.080 ppb m

response 34457

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	90.68
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	72235	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	55909	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32282	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	19781	10.001	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.00%			
30) 1,2-Dichloroethane-d4	4.35	102	4366	10.194	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 101.90%			
35) Toluene-d8	5.98	98	69723	10.036	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.40%			
57) 4-Bromofluorobenzene	8.38	95	26672	9.999	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.00%			
Target Compounds						Qvalue
2) Ethanol	1.89	45	50	No Calib		
4) Dichlorodifluoromethane	1.09	85	61228	10.340	ppb	100
5) Chloromethane	1.22	50	64102	10.247	ppb	100
6] Vinyl chloride	1.29	62	63763	11.051	ppb	100
7) Bromomethane	1.52	94	34457m	10.080	ppb	
8] Chloroethane	1.58	64	31553	10.811	ppb	100
9) Trichlorofluoromethane	1.78	101	69401	10.035	ppb	100
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.25	58	8962	50.041	ppb	100
12] 1,1-Dichloroethene	2.18	96	20258	10.285	ppb	100
13) Hexane	3.04	57	31184	10.397	ppb	100
14) Methylene chloride	2.60	84	31189	9.692	ppb	100
15) t-Butyl alcohol (TBA)	2.72	59	11409	52.517	ppb	100
16] Methyl t-butyl ether (...	2.83	73	57520	10.570	ppb	100
17] trans-1,2-Dichloroethene	2.82	96	22350	10.727	ppb	100
18) Diisopropyl ether (DIPE)	3.24	45	68987	10.178	ppb	100
19] 1,1-Dichloroethane	3.17	63	40132	10.260	ppb	100
20) Ethyl t-butyl ether (E...	3.54	87	25136	10.558	ppb	100
21) 2,2-Dichloropropane	3.66	77	21779	10.072	ppb	100
22] cis-1,2-Dichloroethene	3.66	96	22916	10.333	ppb	100
23) Chloroform	3.94	83	36835	10.387	ppb	100
24) 2-Butanone (MEK)	3.70	43	45153	50.920	ppb	100
25) t-Amyl methyl ether (T...	4.49	73	54765	10.467	ppb	100
26] 1,2-Dichloroethane (EDC)	4.41	62	29942	10.581	ppb	100
27] 1,1,1-Trichloroethane	4.07	97	33844	10.408	ppb	100

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.21	75	27740	10.325	ppb	100
29) Carbon tetrachloride	4.21	117	28805	10.213	ppb	100
31] Benzene	4.39	78	80991	10.535	ppb	100
32] Trichloroethene	4.93	95	23328	10.573	ppb	100
33) 1,2-Dichloropropane	5.13	63	20941	10.090	ppb	100
34) Bromodichloromethane	5.37	83	25396	10.076	ppb	100
36) Dibromomethane	5.23	93	12039	10.032	ppb	100
37) 4-Methyl-2-pentanone	5.91	85	15396	52.299	ppb	100
38) cis-1,3-Dichloropropene	5.75	75	29976	10.541	ppb	100
40] Toluene	6.03	92	50393	10.535	ppb	100
41) trans-1,3-Dichloropropene	6.25	75	25978	10.057	ppb	100
42] 1,1,2-Trichloroethane	6.40	83	14707	10.511	ppb	100
43) 2-Hexanone	6.64	43	69920	52.364	ppb	100
44) 1,3-Dichloropropane	6.55	76	25704	10.351	ppb	100
45] Tetrachloroethene	6.51	164	21151	10.842	ppb	100
46) Dibromochloromethane	6.75	129	20309	10.792	ppb	100
47] 1,2-Dibromoethane (EDB)	6.85	107	17943	10.223	ppb	100
48) Chlorobenzene	7.30	112	56786	10.399	ppb	100
49] Ethylbenzene	7.40	91	95327	10.651	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.38	131	20439	10.382	ppb	100
51] m,p-Xylene	7.52	106	73724	21.246	ppb	100
52] o-Xylene	7.88	106	36316	10.545	ppb	100
53) Styrene	7.90	104	57803	10.447	ppb	100
54) Isopropylbenzene	8.23	105	92783	10.313	ppb	100
55) Bromoform	8.07	173	12898	10.112	ppb	100
58) n-Propylbenzene	8.63	91	107102	10.430	ppb	100
59) Bromobenzene	8.52	156	26812	10.501	ppb	100
60) 1,3,5-Trimethylbenzene	8.80	105	79137	10.397	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.54	83	21682	10.363	ppb	100
62) 1,2,3-Trichloropropane	8.57	75	15946	10.849	ppb	100
63) 2-Chlorotoluene	8.70	91	62957	10.353	ppb	100
64) 4-Chlorotoluene	8.81	91	74394	10.577	ppb	100
65) tert-Butylbenzene	9.11	119	71378	10.497	ppb	100
66) 1,2,4-Trimethylbenzene	9.16	105	80521	10.279	ppb	100
67) sec-Butylbenzene	9.32	105	103608	10.432	ppb	100
68) p-Isopropyltoluene	9.47	119	89283	10.399	ppb	100
69) 1,3-Dichlorobenzene	9.42	146	51026	10.632	ppb	100
70) 1,4-Dichlorobenzene	9.51	146	48723	10.414	ppb	100
71) 1,2-Dichlorobenzene	9.87	146	49007	10.444	ppb	100
72) 1,2-Dibromo-3-chloropr...	10.64	75	3605	9.586	ppb	100
73) 1,2,4-Trichlorobenzene	11.44	180	36798	10.353	ppb	100

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

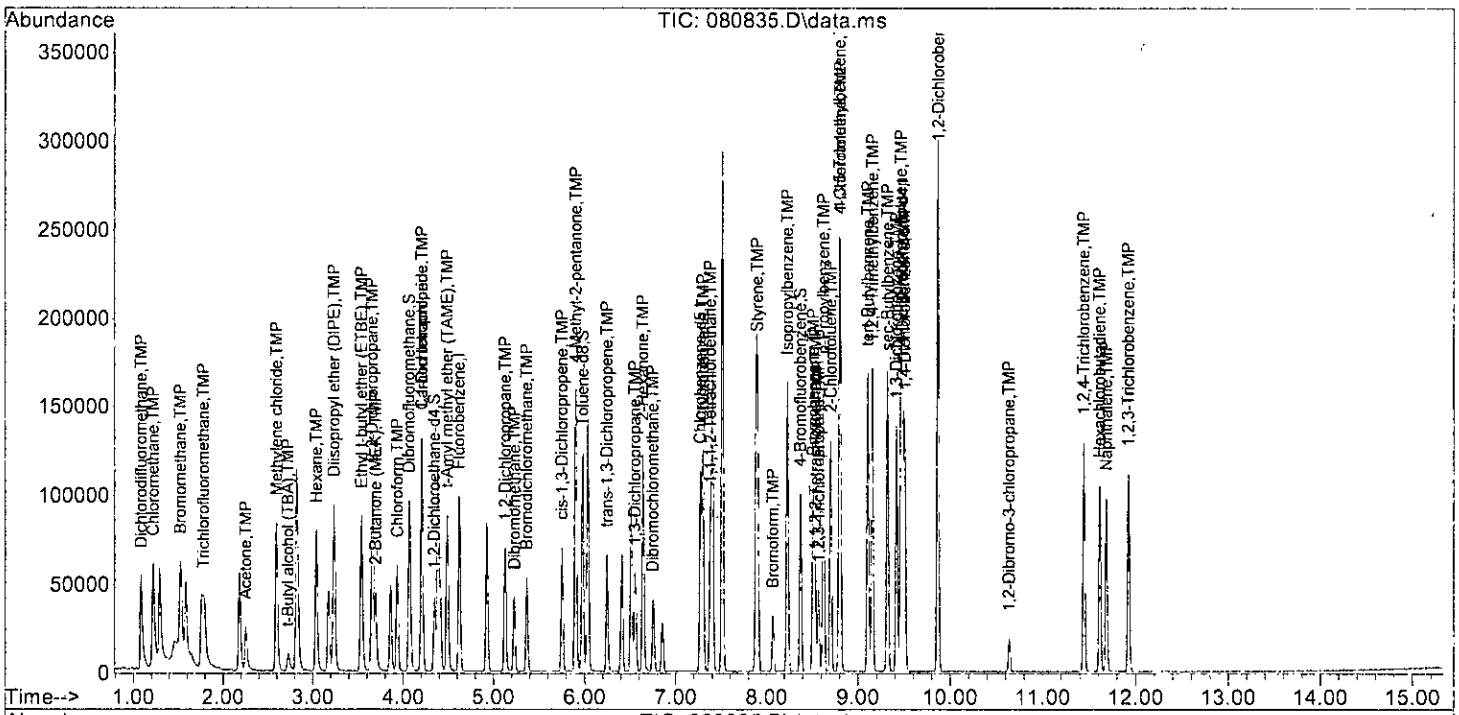
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	20617	10.528	ppb	100
75) Naphthalene	11.69	128	68594	10.081	ppb	100
76) 1,2,3-Trichlorobenzene	11.92	180	32330	10.154	ppb	100

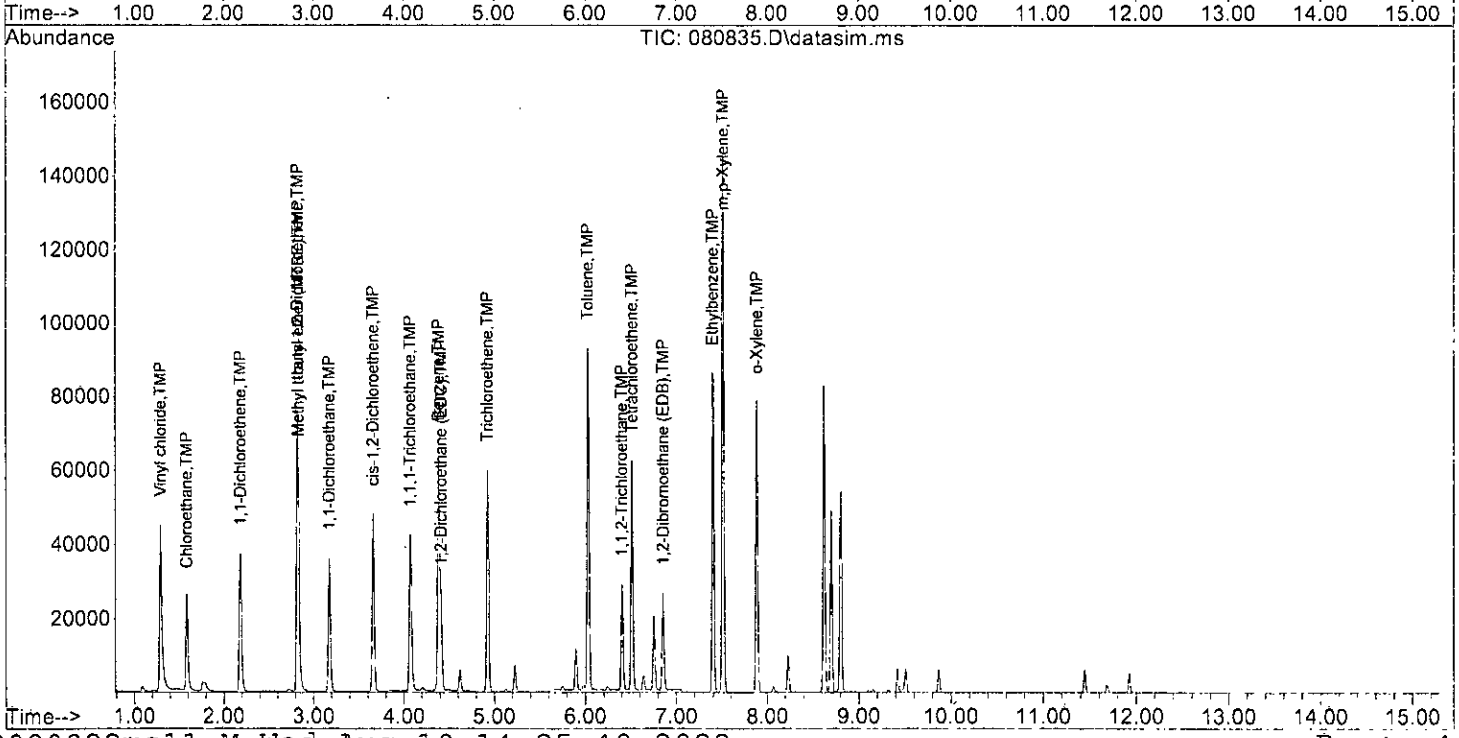
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
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Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
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Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.001	-0.0	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	10.340	-3.4	100	0.00
5	TMP	Chloromethane	10.000	10.247	-2.5	100	0.00
6	TMP	Vinyl chloride	10.000	11.051	-10.5	103	0.00
7	TMP	Bromomethane	10.000	10.080	-0.8	100	0.00
8	TMP	Chloroethane	10.000	10.811	-8.1	101	0.00
9	TMP	Trichlorofluoromethane	10.000	10.035	-0.4	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	50.000	50.041	-0.1	100	0.00
12	TMP	1,1-Dichloroethene	10.000	10.285	-2.9	100	0.00
13	TMP	Hexane	10.000	10.397	-4.0	100	0.00
14	TMP	Methylene chloride	10.000	9.692	3.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	52.517	-5.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.570	-5.7	101	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.727	-7.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.178	-1.8	100	0.00
19	TMP	1,1-Dichloroethane	10.000	10.260	-2.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.558	-5.6	100	0.00
21	TMP	2,2-Dichloropropane	10.000	10.072	-0.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.333	-3.3	100	0.00
23	TMP	Chloroform	10.000	10.387	-3.9	100	0.00
24	TMP	2-Butanone (MEK)	50.000	50.920	-1.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.467	-4.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.581	-5.8	100	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.408	-4.1	100	0.00
28	TMP	1,1-Dichloropropene	10.000	10.325	-3.2	100	0.00
29	TMP	Carbon tetrachloride	10.000	10.213	-2.1	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.194	-1.9	100	0.00
31	TMP	Benzene	10.000	10.535	-5.4	100	0.00
32	TMP	Trichloroethene	10.000	10.573	-5.7	100	0.00
33	TMP	1,2-Dichloropropane	10.000	10.090	-0.9	100	0.00
34	TMP	Bromodichloromethane	10.000	10.076	-0.8	100	0.00
35	S	Toluene-d8	10.000	10.036	-0.4	100	0.00
36	TMP	Dibromomethane	10.000	10.032	-0.3	100	0.00
37	TMP	4-Methyl-2-pentanone	50.000	52.299	-4.6	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	10.000	10.541	-5.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	10.000	10.535	-5.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	10.057	-0.6	100	0.00
42	TMP	1,1,2-Trichloroethane	10.000	10.511	-5.1	100	0.00
43	TMP	2-Hexanone	50.000	52.364	-4.7	100	0.00
44	TMP	1,3-Dichloropropane	10.000	10.351	-3.5	100	0.00
45	TMP	Tetrachloroethene	10.000	10.842	-8.4	100	0.00
46	TMP	Dibromochloromethane	10.000	10.792	-7.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.223	-2.2	100	0.00
48	TMP	Chlorobenzene	10.000	10.399	-4.0	100	0.00
49	TMP	Ethylbenzene	10.000	10.651	-6.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.382	-3.8	100	0.00
51	TMP	m,p-Xylene	20.000	21.246	-6.2	100	0.00
52	TMP	o-Xylene	10.000	10.545	-5.4	100	0.00
53	TMP	Styrene	10.000	10.447	-4.5	100	0.00
54	TMP	Isopropylbenzene	10.000	10.313	-3.1	100	0.00
55	TMP	Bromoform	10.000	10.112	-1.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.999	0.0	100	0.00
58	TMP	n-Propylbenzene	10.000	10.430	-4.3	100	0.00
59	TMP	Bromobenzene	10.000	10.501	-5.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.397	-4.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.363	-3.6	100	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.849	-8.5	100	0.00
63	TMP	2-Chlorotoluene	10.000	10.353	-3.5	100	0.00
64	TMP	4-Chlorotoluene	10.000	10.577	-5.8	100	0.00
65	TMP	tert-Butylbenzene	10.000	10.497	-5.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.279	-2.8	100	0.00
67	TMP	sec-Butylbenzene	10.000	10.432	-4.3	100	0.00
68	TMP	p-Isopropyltoluene	10.000	10.399	-4.0	100	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.632	-6.3	100	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.414	-4.1	100	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.444	-4.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.586	4.1	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	10.000	10.353	-3.5	100	0.00
74 TMP	Hexachlorobutadiene	10.000	10.528	-5.3	100	0.00
75 TMP	Naphthalene	10.000	10.081	-0.8	100	0.00
76 TMP	1,2,3-Trichlorobenzene	10.000	10.154	-1.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.274	0.274	0.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.848	-3.4	100	0.00
5	TMP	Chloromethane	0.866	0.887	-2.4	100	0.00
6	TMP	Vinyl chloride	0.799	0.883	-10.5	103	0.00
7	TMP	Bromomethane	0.473	0.477	-0.8	100	0.00
8	TMP	Chloroethane	0.404	0.437	-8.2	101	0.00
9	TMP	Trichlorofluoromethane	0.957	0.961	-0.4	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.025	0.025	0.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.280	-2.6	100	0.00
13	TMP	Hexane	0.415	0.432	-4.1	100	0.00
14	TMP	Methylene chloride	0.362	0.432	-19.3	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.032	-6.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.796	-5.7	101	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.309	1.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.955	-1.8	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.556	-2.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.348	-5.5	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.302	5.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.317	2.5	100	0.00
23	TMP	Chloroform	0.491	0.510	-3.9	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.125	4.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.758	-4.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.415	9.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.469	-4.2	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.384	-3.2	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.399	-2.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.060	-1.7	100	0.00
31	TMP	Benzene	1.115	1.121	-0.5	100	0.00
32	TMP	Trichloroethene	0.327	0.323	1.2	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.290	-1.0	100	0.00
34	TMP	Bromodichloromethane	0.349	0.352	-0.9	100	0.00
35	S	Toluene-d8	0.962	0.965	-0.3	100	0.00
36	TMP	Dibromomethane	0.166	0.167	-0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.043	-4.9	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.415	-5.3	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.901	13.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.465	-0.6	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.263	-5.2	100	0.00
43	TMP	2-Hexanone	0.239	0.250	-4.6	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.460	-3.6	100	0.00
45	TMP	Tetrachloroethene	0.421	0.378	10.2	100	0.00
46	TMP	Dibromochloromethane	0.337	0.363	-7.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.321	-2.2	100	0.00
48	TMP	Chlorobenzene	0.977	1.016	-4.0	100	0.00
49	TMP	Ethylbenzene	1.708	1.705	0.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.366	-4.0	100	0.00
51	TMP	m,p-Xylene	0.670	0.659	1.6	100	0.00
52	TMP	o-Xylene	0.661	0.650	1.7	100	0.00
53	TMP	Styrene	0.990	1.034	-4.4	100	0.00
54	TMP	Isopropylbenzene	1.609	1.660	-3.2	100	0.00
55	TMP	Bromoform	0.228	0.231	-1.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.826	0.0	100	0.00
58	TMP	n-Propylbenzene	3.181	3.318	-4.3	100	0.00
59	TMP	Bromobenzene	0.791	0.831	-5.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.451	-3.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.672	-3.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.494#	-8.6	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.950	-3.5	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.305	-5.8	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.211	-5.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.494	-2.8	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.209	-4.3	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.766	-4.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.581	-6.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.509	-4.1	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.518	-4.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.112	3.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080835.D
Acq On : 08 Aug 2022 09:34 pm
Operator : RF
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:40 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

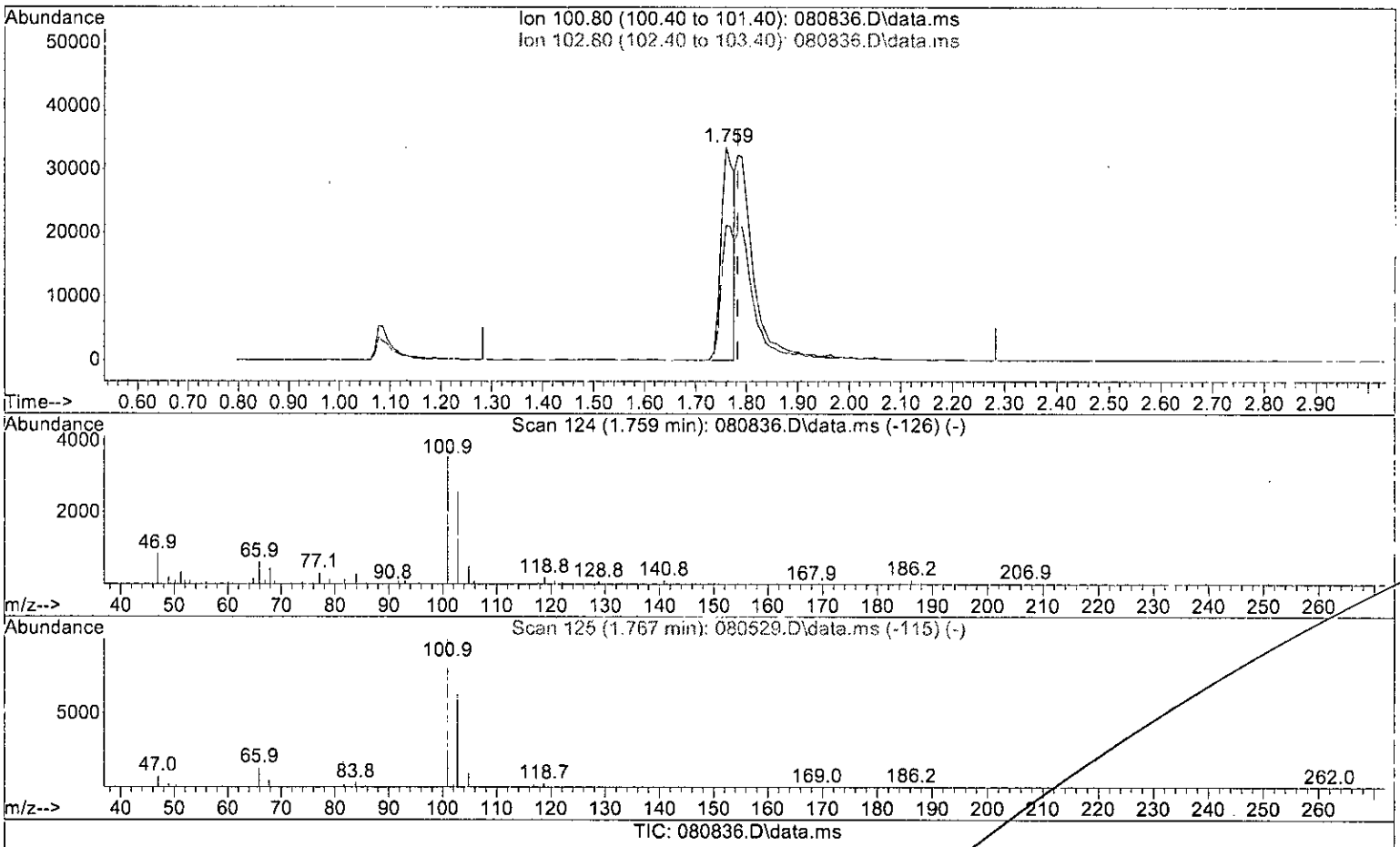
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.140	-3.5	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.639	-5.3	100	0.00
75 TMP	Naphthalene	2.108	2.125	-0.8	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.001	-1.5	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:18 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080836.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.759min (-0.024) 8.836 ppb

response 59999

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.02
0.00	0.00	0.00
0.00	0.00	0.00

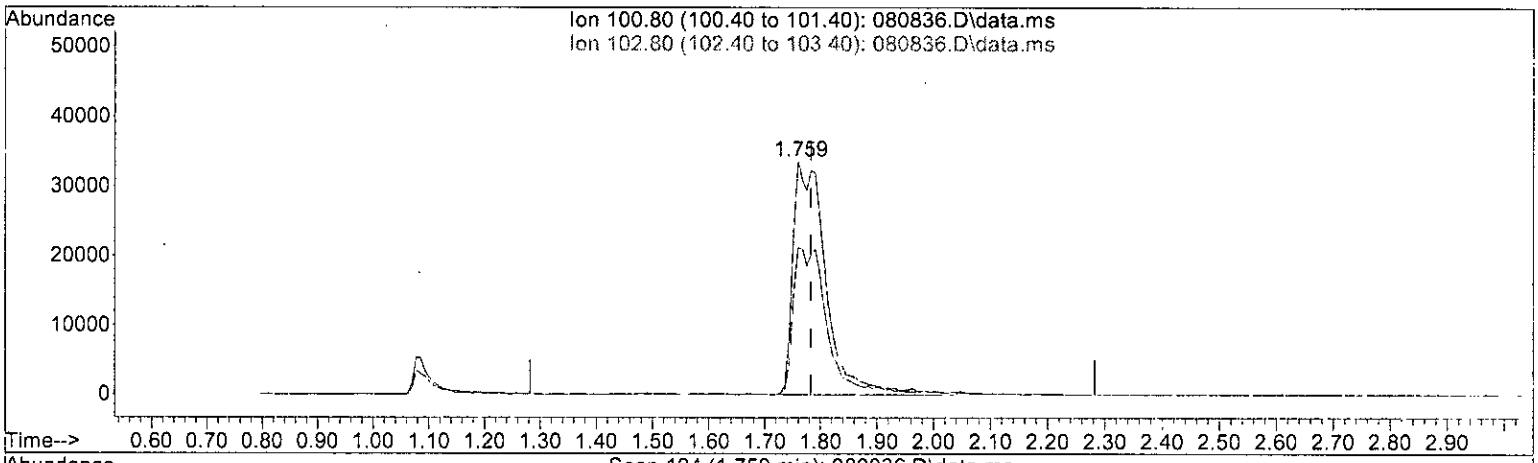
VM

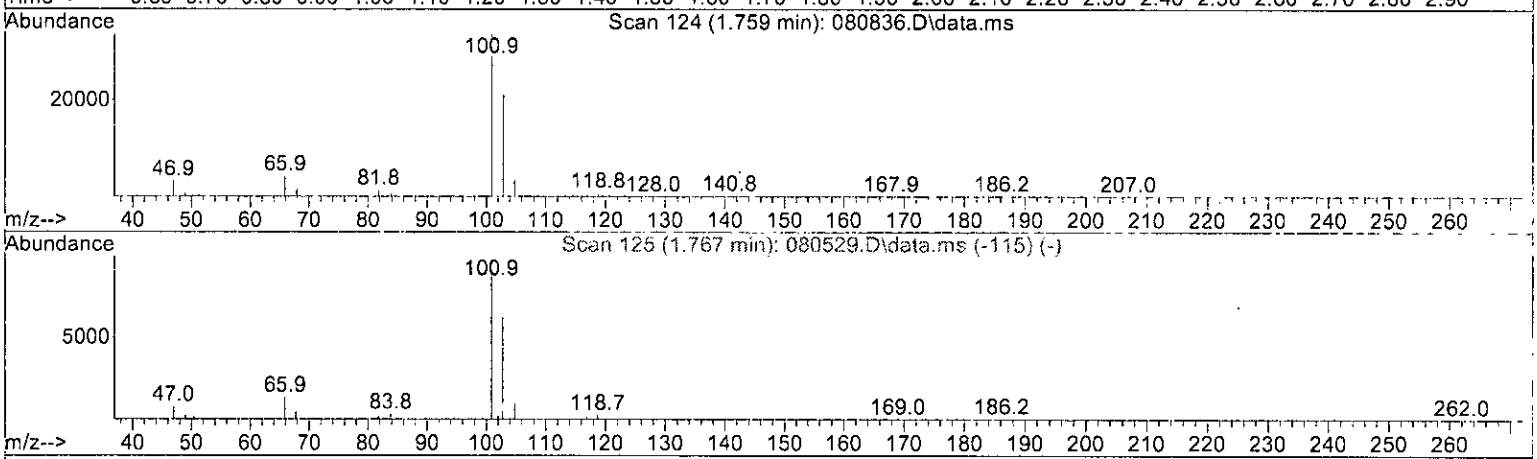
AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:18 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 080836.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.759min (-0.024) 20.496 ppb m

response 139171

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.02
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	70922	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	54822	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	32142	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	19275	9.925	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.30%				
30) 1,2-Dichloroethane-d4	4.35	102	4250	10.107	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 101.10%				
35) Toluene-d8	5.98	98	69468	10.185	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 101.80%				
57) 4-Bromofluorobenzene	8.38	95	26533	9.991	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 99.90%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.08	85	118434	20.370	ppb		99
5) Chloromethane	1.22	50	125061	20.362	ppb		97
6] Vinyl chloride	1.29	62	121881	21.515	ppb		99
7) Bromomethane	1.52	94	71837	21.404	ppb		88
8] Chloroethane	1.58	64	59221	20.667	ppb		98
9) Trichlorofluoromethane	1.76	101	139171m	20.496	ppb		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.25	58	16192	93.749	ppb		95
12] 1,1-Dichloroethene	2.18	96	38003	19.652	ppb		98
13) Hexane	3.04	57	56860	19.309	ppb		99
14) Methylene chloride	2.60	84	49944	18.790	ppb		92
15) t-Butyl alcohol (TBA)	2.72	59	21489	100.748	ppb		94
16] Methyl t-butyl ether (...	2.83	73	107009	20.028	ppb		100
17] trans-1,2-Dichloroethene	2.82	96	41316	20.209	ppb		98
18) Diisopropyl ether (DIPE)	3.24	45	129513	19.461	ppb		98
19] 1,1-Dichloroethane	3.17	63	75843	19.750	ppb		99
20) Ethyl t-butyl ether (E...	3.54	87	46224	19.775	ppb	#	86
21) 2,2-Dichloropropane	3.66	77	40421	19.261	ppb		100
22] cis-1,2-Dichloroethene	3.66	96	44624	20.504	ppb		97
23) Chloroform	3.94	83	69554	19.976	ppb		99
24) 2-Butanone (MEK)	3.70	43	85892	99.080	ppb		97
25) t-Amyl methyl ether (T...	4.49	73	103851	20.215	ppb		98
26] 1,2-Dichloroethane (EDC)	4.41	62	56442	20.339	ppb		99
27] 1,1,1-Trichloroethane	4.07	97	64244	20.123	ppb		98

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-43O
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.21	75	52629	19.951	ppb	100
29) Carbon tetrachloride	4.21	117	55248	19.952	ppb	95
31] Benzene	4.39	78	153243	20.310	ppb	98
32] Trichloroethene	4.93	95	43606	20.138	ppb	98
33) 1,2-Dichloropropane	5.13	63	39827	19.545	ppb	98
34) Bromodichloromethane	5.37	83	48961	19.784	ppb	97
36) Dibromomethane	5.23	93	23366	19.831	ppb	99
37) 4-Methyl-2-pentanone	5.91	85	29618	102.473	ppb	96
38) cis-1,3-Dichloropropene	5.75	75	57392	20.556	ppb	98
40] Toluene	6.03	92	95855	20.500	ppb	100
41) trans-1,3-Dichloropropene	6.25	75	50532	19.950	ppb	98
42] 1,1,2-Trichloroethane	6.40	83	27887	20.326	ppb	98
43) 2-Hexanone	6.64	43	130481	99.656	ppb	99
44) 1,3-Dichloropropane	6.55	76	48510	19.922	ppb	95
45] Tetrachloroethene	6.51	164	39660	20.762	ppb	100
46) Dibromochloromethane	6.76	129	38962	21.114	ppb	92
47] 1,2-Dibromoethane (EDB)	6.85	107	33982	19.745	ppb	99
48) Chlorobenzene	7.30	112	107893	20.150	ppb	99
49] Ethylbenzene	7.40	91	180504	20.577	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.38	131	39297	20.356	ppb	97
51] m,p-Xylene	7.52	106	139394	40.989	ppb	99
52] o-Xylene	7.88	106	69075	20.465	ppb	97
53) Styrene	7.90	104	111943	20.634	ppb	98
54) Isopropylbenzene	8.23	105	174737	19.807	ppb	96
55) Bromoform	8.07	173	25893	20.702	ppb	98
58) n-Propylbenzene	8.63	91	204935	20.044	ppb	99
59) Bromobenzene	8.52	156	49462	19.456	ppb	95
60) 1,3,5-Trimethylbenzene	8.80	105	148980	19.658	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.54	83	40754	19.564	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	29377	20.074	ppb	97
63) 2-Chlorotoluene	8.70	91	118805	19.622	ppb	99
64) 4-Chlorotoluene	8.81	91	138739	19.812	ppb	97
65) tert-Butylbenzene	9.11	119	133251	19.682	ppb	98
66) 1,2,4-Trimethylbenzene	9.16	105	154965	19.869	ppb	97
67) sec-Butylbenzene	9.32	105	196145	19.835	ppb	99
68) p-Isopropyltoluene	9.47	119	171130	20.019	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	95339	19.953	ppb	97
70) 1,4-Dichlorobenzene	9.51	146	91269	19.593	ppb	97
71) 1,2-Dichlorobenzene	9.87	146	92783	19.860	ppb	97
72) 1,2-Dibromo-3-chloropr...	10.64	75	7055	18.842	ppb	91
73) 1,2,4-Trichlorobenzene	11.44	180	68484	19.352	ppb	98

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-43O
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

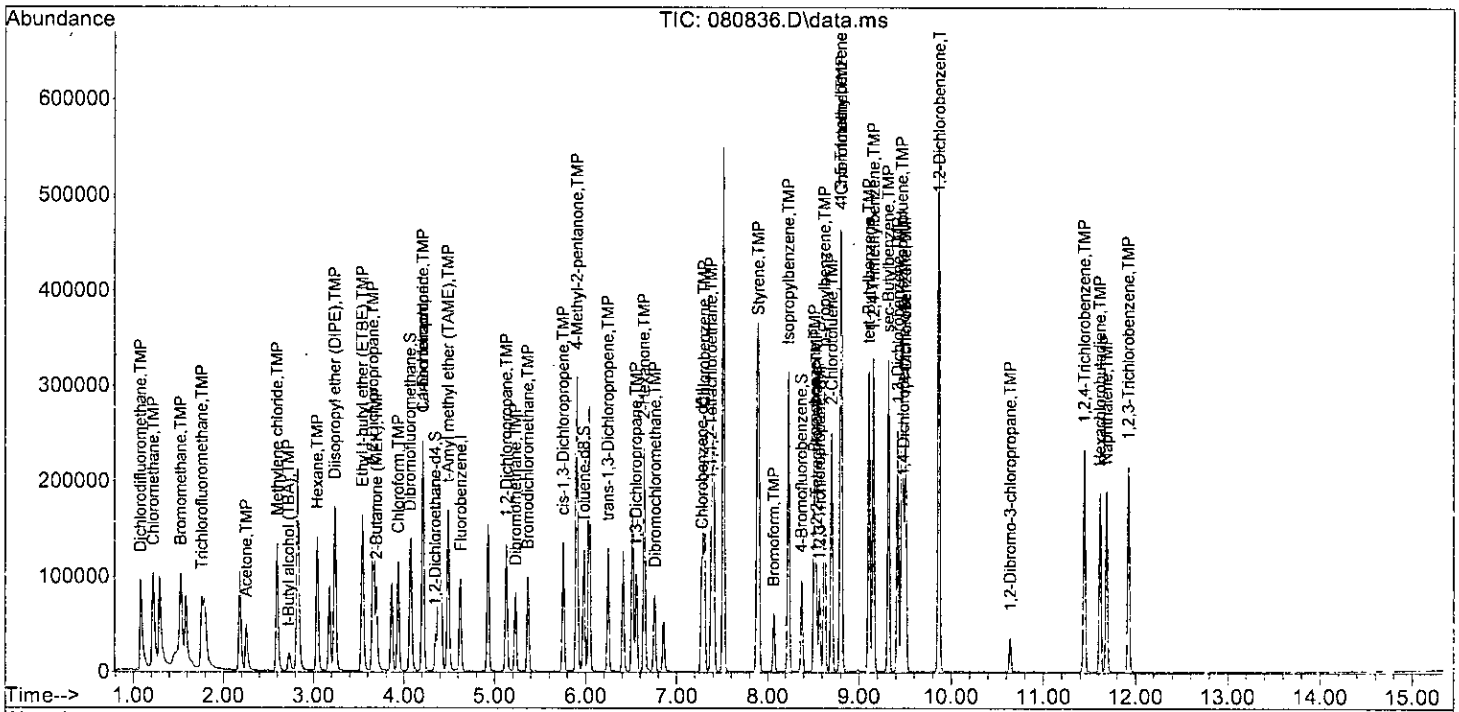
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	37813	19.393	ppb	97
75) Naphthalene	11.69	128	132610	19.574	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	61572	19.421	ppb	99

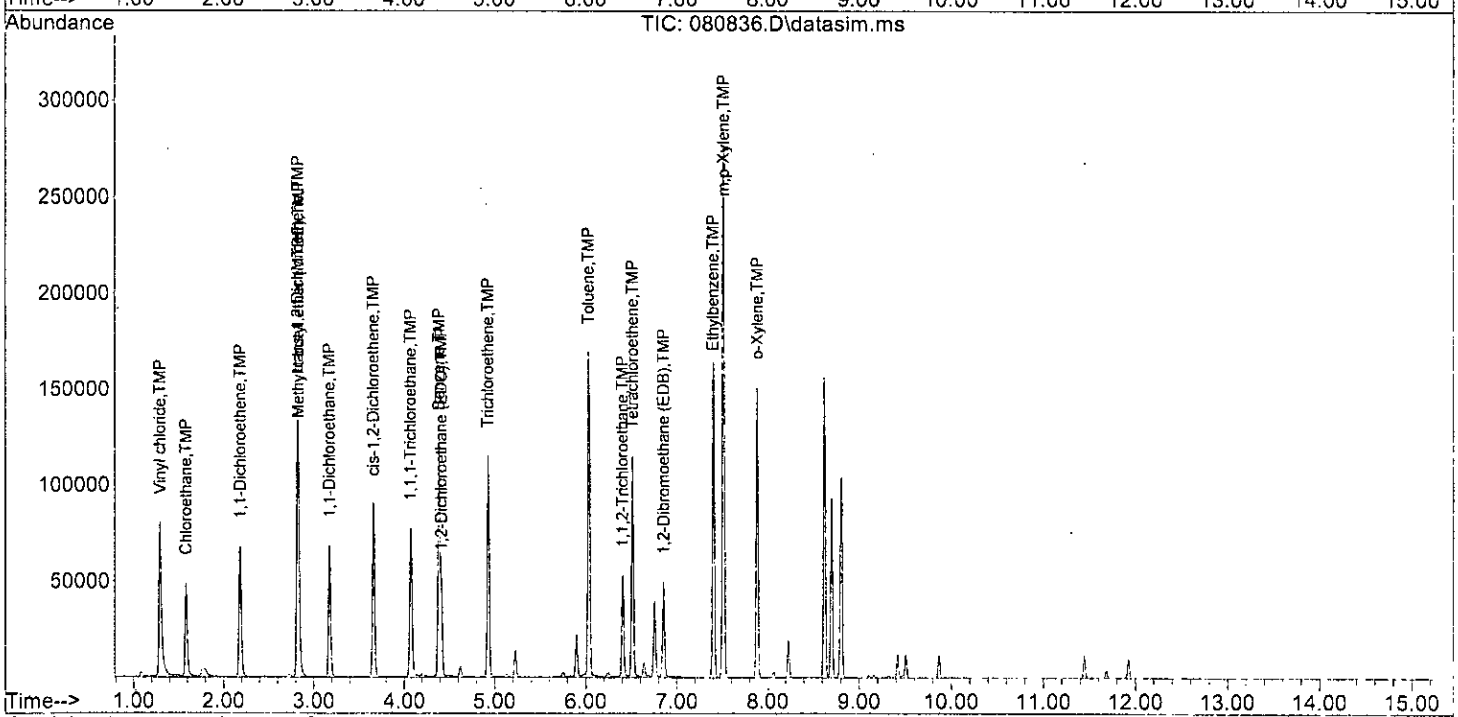
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.925	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	20.000	20.370	-1.9	100	0.00
5	TMP	Chloromethane	20.000	20.362	-1.8	100	0.00
6	TMP	Vinyl chloride	20.000	21.515	-7.6	100	0.00
7	TMP	Bromomethane	20.000	21.404	-7.0	100	0.00
8	TMP	Chloroethane	20.000	20.667	-3.3	100	0.00
9	TMP	Trichlorofluoromethane	20.000	20.496	-2.5	101	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	100.000	93.749	6.3	100	0.00
12	TMP	1,1-Dichloroethene	20.000	19.652	1.7	100	0.00
13	TMP	Hexane	20.000	19.309	3.5	100	0.00
14	TMP	Methylene chloride	20.000	18.790	6.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	100.000	100.748	-0.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	20.000	20.028	-0.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	20.000	20.209	-1.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	20.000	19.461	2.7	100	0.00
19	TMP	1,1-Dichloroethane	20.000	19.750	1.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	20.000	19.775	1.1	100	0.00
21	TMP	2,2-Dichloropropane	20.000	19.261	3.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	20.000	20.504	-2.5	100	0.00
23	TMP	Chloroform	20.000	19.976	0.1	100	0.00
24	TMP	2-Butanone (MEK)	100.000	99.080	0.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	20.000	20.215	-1.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	20.000	20.339	-1.7	100	0.00
27	TMP	1,1,1-Trichloroethane	20.000	20.123	-0.6	100	0.00
28	TMP	1,1-Dichloropropene	20.000	19.951	0.2	100	0.00
29	TMP	Carbon tetrachloride	20.000	19.952	0.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.107	-1.1	100	0.00
31	TMP	Benzene	20.000	20.310	-1.5	100	0.00
32	TMP	Trichloroethene	20.000	20.138	-0.7	100	0.00
33	TMP	1,2-Dichloropropane	20.000	19.545	2.3	100	0.00
34	TMP	Bromodichloromethane	20.000	19.784	1.1	100	0.00
35	S	Toluene-d8	10.000	10.185	-1.9	100	0.00
36	TMP	Dibromomethane	20.000	19.831	0.8	100	0.00
37	TMP	4-Methyl-2-pentanone	100.000	102.473	-2.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-43O
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	20.000	20.556	-2.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	20.000	20.500	-2.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	20.000	19.950	0.3	100	0.00
42	TMP	1,1,2-Trichloroethane	20.000	20.326	-1.6	100	0.00
43	TMP	2-Hexanone	100.000	99.656	0.3	100	0.00
44	TMP	1,3-Dichloropropane	20.000	19.922	0.4	100	0.00
45	TMP	Tetrachloroethene	20.000	20.762	-3.8	100	0.00
46	TMP	Dibromochloromethane	20.000	21.114	-5.6	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	20.000	19.745	1.3	100	0.00
48	TMP	Chlorobenzene	20.000	20.150	-0.7	100	0.00
49	TMP	Ethylbenzene	20.000	20.577	-2.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	20.000	20.356	-1.8	100	0.00
51	TMP	m,p-Xylene	40.000	40.989	-2.5	100	0.00
52	TMP	o-Xylene	20.000	20.465	-2.3	100	0.00
53	TMP	Styrene	20.000	20.634	-3.2	100	0.00
54	TMP	Isopropylbenzene	20.000	19.807	1.0	100	0.00
55	TMP	Bromoform	20.000	20.702	-3.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.991	0.1	100	0.00
58	TMP	n-Propylbenzene	20.000	20.044	-0.2	100	0.00
59	TMP	Bromobenzene	20.000	19.456	2.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	20.000	19.658	1.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	20.000	19.564	2.2	100	0.00
62	TMP	1,2,3-Trichloropropane	20.000	20.074	-0.4	100	0.00
63	TMP	2-Chlorotoluene	20.000	19.622	1.9	100	0.00
64	TMP	4-Chlorotoluene	20.000	19.812	0.9	100	0.00
65	TMP	tert-Butylbenzene	20.000	19.682	1.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	20.000	19.869	0.7	100	0.00
67	TMP	sec-Butylbenzene	20.000	19.835	0.8	100	0.00
68	TMP	p-Isopropyltoluene	20.000	20.019	-0.1	100	0.00
69	TMP	1,3-Dichlorobenzene	20.000	19.953	0.2	100	0.00
70	TMP	1,4-Dichlorobenzene	20.000	19.593	2.0	100	0.00
71	TMP	1,2-Dichlorobenzene	20.000	19.860	0.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	20.000	18.842	5.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	20.000	19.352	3.2	100	0.00
74 TMP	Hexachlorobutadiene	20.000	19.393	3.0	100	0.00
75 TMP	Naphthalene	20.000	19.574	2.1	100	0.00
76 TMP	1,2,3-Trichlorobenzene	20.000	19.421	2.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-43O
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.272	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.835	-1.8	100	0.00
5	TMP	Chloromethane	0.866	0.882	-1.8	100	0.00
6	TMP	Vinyl chloride	0.799	0.859	-7.5	100	0.00
7	TMP	Bromomethane	0.473	0.506	-7.0	100	0.00
8	TMP	Chloroethane	0.404	0.418	-3.5	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.981	-2.5	101	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.268	1.8	100	0.00
13	TMP	Hexane	0.415	0.401	3.4	100	0.00
14	TMP	Methylene chloride	0.362	0.352	2.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.030	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.754	-0.1	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.291	7.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.913	2.7	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.535	1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.326	1.2	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.285	10.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.315	3.1	100	0.00
23	TMP	Chloroform	0.491	0.490	0.2	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.121	7.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.732	-1.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.398	12.9	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.453	-0.7	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.371	0.3	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.389	0.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.060	-1.7	100	0.00
31	TMP	Benzene	1.115	1.080	3.1	100	0.00
32	TMP	Trichloroethene	0.327	0.307	6.1	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.281	2.1	100	0.00
34	TMP	Bromodichloromethane	0.349	0.345	1.1	100	0.00
35	S	Toluene-d8	0.962	0.979	-1.8	100	0.00
36	TMP	Dibromomethane	0.166	0.165	0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.042	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.405	-2.8	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.874	16.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.462	0.461	0.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.254	-1.6	100	0.00
43	TMP	2-Hexanone	0.239	0.238	0.4	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.442	0.5	100	0.00
45	TMP	Tetrachloroethene	0.421	0.362	14.0	100	0.00
46	TMP	Dibromochloromethane	0.337	0.355	-5.3	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.310	1.3	100	0.00
48	TMP	Chlorobenzene	0.977	0.984	-0.7	100	0.00
49	TMP	Ethylbenzene	1.708	1.646	3.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.358	-1.7	100	0.00
51	TMP	m,p-Xylene	0.670	0.636	5.1	100	0.00
52	TMP	o-Xylene	0.661	0.630	4.7	100	0.00
53	TMP	Styrene	0.990	1.021	-3.1	100	0.00
54	TMP	Isopropylbenzene	1.609	1.594	0.9	100	0.00
55	TMP	Bromoform	0.228	0.236	-3.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.825	0.1	100	0.00
58	TMP	n-Propylbenzene	3.181	3.188	-0.2	100	0.00
59	TMP	Bromobenzene	0.791	0.769	2.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.318	1.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.634	2.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.457#	-0.4	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.848	1.9	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.158	1.0	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.073	1.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.411	0.7	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.051	0.8	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.662	-0.1	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.483	0.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.420	2.0	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.443	0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.110	5.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080836.D
Acq On : 08 Aug 2022 09:57 pm
Operator : RF
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:32:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.065	3.3	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.588	3.1	100	0.00
75 TMP	Naphthalene	2.108	2.063	2.1	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.958	2.8	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	67522	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	50873	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	29994	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	18467	9.988	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.90%			
30) 1,2-Dichloroethane-d4	4.35	102	3942	9.847	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.50%			
35) Toluene-d8	5.98	98	62282	9.591	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 95.90%			
57) 4-Bromofluorobenzene	8.38	95	23905	9.646	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 96.50%			
Target Compounds						Qvalue
2) Ethanol	1.87	45	95	No Calib		
4) Dichlorodifluoromethane	1.08	85	294410	53.188	ppb	98
5) Chloromethane	1.22	50	308509	52.760	ppb	99
6] Vinyl chloride	1.28	62	293628	54.442	ppb	93
7) Bromomethane	1.52	94	180066	56.353	ppb	95
8] Chloroethane	1.58	64	141703	51.943	ppb	95
9) Trichlorofluoromethane	1.76	101	335468	51.894	ppb	99
10) 2-Propanol	2.41	45	267	No Calib		
11) Acetone	2.25	58	39789	249.275	ppb	97
12] 1,1-Dichloroethene	2.18	96	93760	50.925	ppb	96
13) Hexane	3.04	57	133823	47.732	ppb	98
14) Methylene chloride	2.60	84	108103	49.958	ppb	93
15) t-Butyl alcohol (TBA)	2.73	59	52294	257.519	ppb	99
16] Methyl t-butyl ether (...	2.83	73	260521	51.216	ppb	100
17] trans-1,2-Dichloroethene	2.82	96	99775	51.280	ppb	97
18) Diisopropyl ether (DIPE)	3.24	45	316332	49.926	ppb	99
19] 1,1-Dichloroethane	3.18	63	184618	50.496	ppb	98
20) Ethyl t-butyl ether (E...	3.54	87	115749	52.013	ppb	92
21) 2,2-Dichloropropane	3.66	77	99720	51.113	ppb	97
22] cis-1,2-Dichloroethene	3.66	96	107294	51.795	ppb	96
23) Chloroform	3.94	83	169964	51.272	ppb	100
24) 2-Butanone (MEK)	3.70	43	218789	265.849	ppb	97
25) t-Amyl methyl ether (T...	4.49	73	256053	52.352	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	134155	50.814	ppb	99
27] 1,1,1-Trichloroethane	4.07	97	155730	51.234	ppb	97

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.21	75	125752	50.070	ppb	99
29) Carbon tetrachloride	4.21	117	135822	51.520	ppb	96
31] Benzene	4.39	78	367560	51.178	ppb	97
32] Trichloroethene	4.93	95	104704	50.806	ppb	94
33) 1,2-Dichloropropane	5.13	63	94112	48.510	ppb	99
34) Bromodichloromethane	5.37	83	120541	51.161	ppb	99
36) Dibromomethane	5.23	93	55541	49.511	ppb	100
37) 4-Methyl-2-pentanone	5.91	85	69714	253.344	ppb	99
38) cis-1,3-Dichloropropene	5.75	75	133818	50.343	ppb	97
40] Toluene	6.04	92	223935	51.712	ppb	90
41) trans-1,3-Dichloropropene	6.25	75	117368	49.934	ppb	98
42] 1,1,2-Trichloroethane	6.40	83	63897	50.187	ppb	97
43) 2-Hexanone	6.64	43	292910	241.079	ppb	99
44) 1,3-Dichloropropane	6.57	76	110009	48.684	ppb	100
45] Tetrachloroethene	6.51	164	91791	51.830	ppb	98
46) Dibromochloromethane	6.76	129	90745	52.994	ppb	96
47] 1,2-Dibromoethane (EDB)	6.85	107	78246	48.994	ppb	99
48) Chlorobenzene	7.30	112	248394	49.990	ppb	99
49] Ethylbenzene	7.41	91	413155	50.769	ppb	86
50) 1,1,1,2-Tetrachloroethane	7.38	131	92790	51.797	ppb	99
51] m,p-Xylene	7.52	106	319209	101.185	ppb	96
52] o-Xylene	7.88	106	161564	51.599	ppb	97
53) Styrene	7.90	104	257614	51.170	ppb	100
54) Isopropylbenzene	8.23	105	414850	50.675	ppb	97
55) Bromoform	8.07	173	62563	53.903	ppb	98
58) n-Propylbenzene	8.63	91	472152	49.487	ppb	98
59) Bromobenzene	8.52	156	116681	49.183	ppb	98
60) 1,3,5-Trimethylbenzene	8.80	105	355205	50.227	ppb	99
61) 1,1,2,2-Tetrachloroethane	8.54	83	95326	49.038	ppb	98
62) 1,2,3-Trichloropropane	8.57	75	67711	49.582	ppb	98
63) 2-Chlorotoluene	8.70	91	278578	49.305	ppb	98
64) 4-Chlorotoluene	8.81	91	322553	49.359	ppb	98
65) tert-Butylbenzene	9.11	119	319857	50.628	ppb	97
66) 1,2,4-Trimethylbenzene	9.16	105	371195	51.002	ppb	97
67) sec-Butylbenzene	9.32	105	465789	50.475	ppb	100
68) p-Isopropyltoluene	9.47	119	407614	51.099	ppb	99
69) 1,3-Dichlorobenzene	9.42	146	221187	49.605	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	211764	48.716	ppb	98
71) 1,2-Dichlorobenzene	9.87	146	216471	49.653	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	17397	49.790	ppb	98
73) 1,2,4-Trichlorobenzene	11.44	180	167995	50.872	ppb	98

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

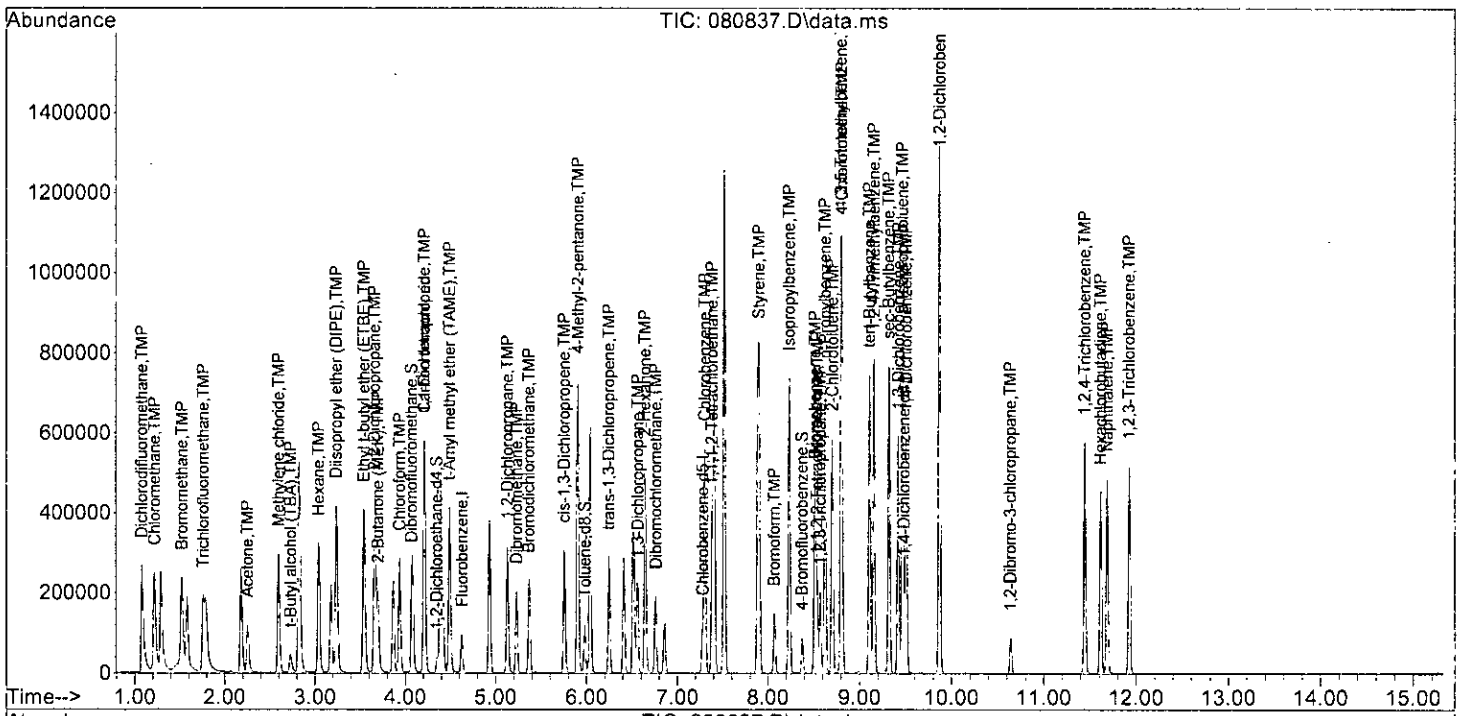
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	91758	50.428	ppb	96
75) Naphthalene	11.69	128	331866	52.493	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	152212	51.450	ppb	100

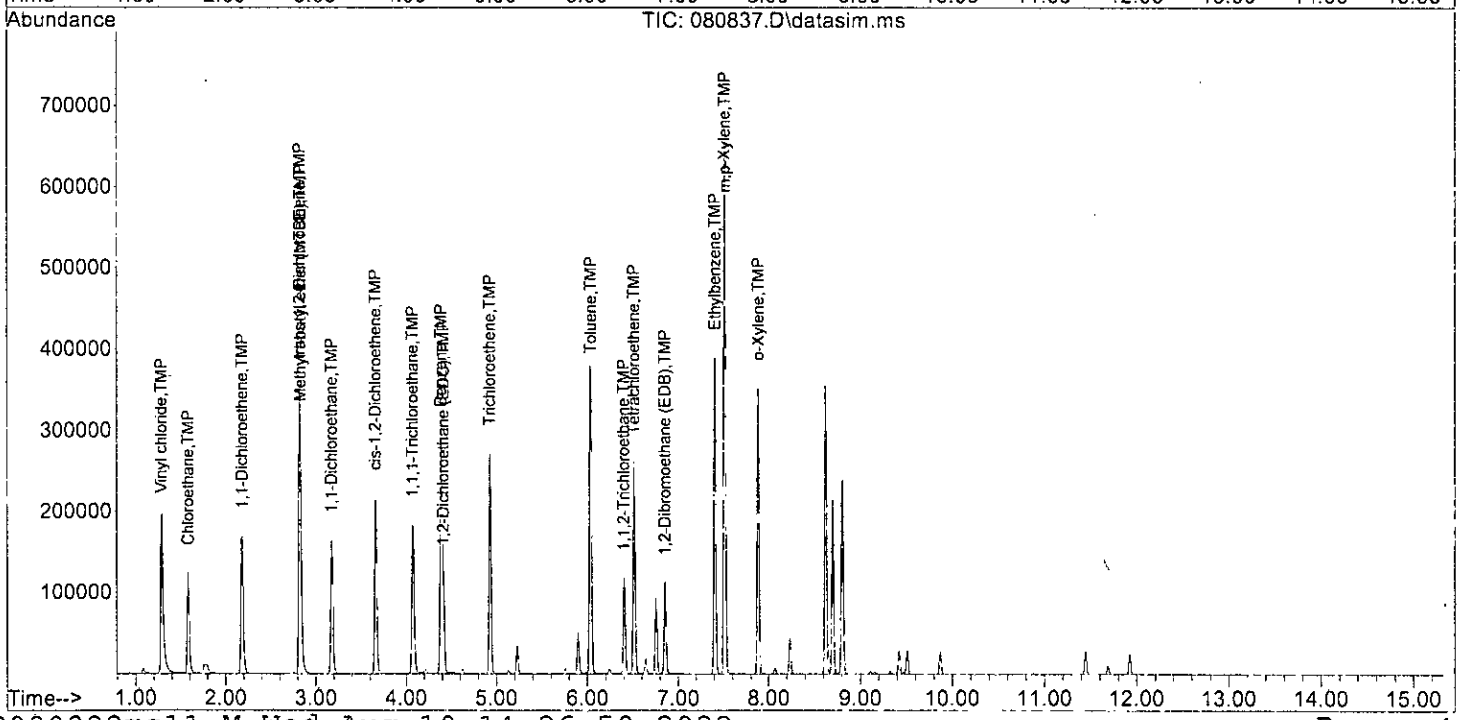
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
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Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
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Acq On : 08 Aug 2022 10:20 pm
Operator : RF
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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	9.988	0.1	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	53.188	-6.4	100	0.00
5	TMP	Chloromethane	50.000	52.760	-5.5	100	0.00
6	TMP	Vinyl chloride	50.000	54.442	-8.9	100	0.00
7	TMP	Bromomethane	50.000	56.353	-12.7	100	0.00
8	TMP	Chloroethane	50.000	51.943	-3.9	100	0.00
9	TMP	Trichlorofluoromethane	50.000	51.894	-3.8	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	250.000	249.275	0.3	100	0.00
12	TMP	1,1-Dichloroethene	50.000	50.925	-1.8	100	0.00
13	TMP	Hexane	50.000	47.732	4.5	100	0.00
14	TMP	Methylene chloride	50.000	49.958	0.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	250.000	257.519	-3.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	50.000	51.216	-2.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	50.000	51.280	-2.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	50.000	49.926	0.1	100	0.00
19	TMP	1,1-Dichloroethane	50.000	50.496	-1.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	52.013	-4.0	100	0.00
21	TMP	2,2-Dichloropropane	50.000	51.113	-2.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	51.795	-3.6	100	0.00
23	TMP	Chloroform	50.000	51.272	-2.5	100	0.00
24	TMP	2-Butanone (MEK)	250.000	265.849	-6.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	50.000	52.352	-4.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	50.000	50.814	-1.6	100	0.00
27	TMP	1,1,1-Trichloroethane	50.000	51.234	-2.5	100	0.00
28	TMP	1,1-Dichloropropene	50.000	50.070	-0.1	100	0.00
29	TMP	Carbon tetrachloride	50.000	51.520	-3.0	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.847	1.5	100	0.00
31	TMP	Benzene	50.000	51.178	-2.4	100	0.00
32	TMP	Trichloroethene	50.000	50.806	-1.6	100	0.00
33	TMP	1,2-Dichloropropane	50.000	48.510	3.0	100	0.00
34	TMP	Bromodichloromethane	50.000	51.161	-2.3	100	0.00
35	S	Toluene-d8	10.000	9.591	4.1	100	0.00
36	TMP	Dibromomethane	50.000	49.511	1.0	100	0.00
37	TMP	4-Methyl-2-pentanone	250.000	253.344	-1.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	50.000	50.343	-0.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	50.000	51.712	-3.4	100	0.01
41	TMP	trans-1,3-Dichloropropene	50.000	49.934	0.1	100	0.00
42	TMP	1,1,2-Trichloroethane	50.000	50.187	-0.4	100	0.00
43	TMP	2-Hexanone	250.000	241.079	3.6	100	0.00
44	TMP	1,3-Dichloropropane	50.000	48.684	2.6	100	0.01
45	TMP	Tetrachloroethene	50.000	51.830	-3.7	100	0.00
46	TMP	Dibromochloromethane	50.000	52.994	-6.0	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	50.000	48.994	2.0	100	0.00
48	TMP	Chlorobenzene	50.000	49.990	0.0	100	0.00
49	TMP	Ethylbenzene	50.000	50.769	-1.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	51.797	-3.6	100	0.00
51	TMP	m,p-Xylene	100.000	101.185	-1.2	100	0.00
52	TMP	o-Xylene	50.000	51.599	-3.2	100	0.00
53	TMP	Styrene	50.000	51.170	-2.3	100	0.00
54	TMP	Isopropylbenzene	50.000	50.675	-1.3	100	0.00
55	TMP	Bromoform	50.000	53.903	-7.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.646	3.5	100	0.00
58	TMP	n-Propylbenzene	50.000	49.487	1.0	100	0.00
59	TMP	Bromobenzene	50.000	49.183	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	50.227	-0.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	49.038	1.9	100	0.00
62	TMP	1,2,3-Trichloropropane	50.000	49.582	0.8	100	0.00
63	TMP	2-Chlorotoluene	50.000	49.305	1.4	100	0.00
64	TMP	4-Chlorotoluene	50.000	49.359	1.3	100	0.00
65	TMP	tert-Butylbenzene	50.000	50.628	-1.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	51.002	-2.0	100	0.00
67	TMP	sec-Butylbenzene	50.000	50.475	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	50.000	51.099	-2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	49.605	0.8	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	48.716	2.6	100	0.00
71	TMP	1,2-Dichlorobenzene	50.000	49.653	0.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	49.790	0.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	50.000	50.872	-1.7	100	0.00
74 TMP	Hexachlorobutadiene	50.000	50.428	-0.9	100	0.00
75 TMP	Naphthalene	50.000	52.493	-5.0	100	0.00
76 TMP	1,2,3-Trichlorobenzene	50.000	51.450	-2.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
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DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.274	0.273	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.872	-6.3	100	0.00
5	TMP	Chloromethane	0.866	0.914	-5.5	100	0.00
6	TMP	Vinyl chloride	0.799	0.870	-8.9	100	0.00
7	TMP	Bromomethane	0.473	0.533	-12.7	100	0.00
8	TMP	Chloroethane	0.404	0.420	-4.0	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.994	-3.9	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.025	0.024	4.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.278	-1.8	100	0.00
13	TMP	Hexane	0.415	0.396	4.6	100	0.00
14	TMP	Methylene chloride	0.362	0.320	11.6	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.031	-3.3	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.772	-2.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.296	6.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.937	0.1	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.547	-1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.343	-3.9	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.295	7.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.318	2.2	100	0.00
23	TMP	Chloroform	0.491	0.503	-2.4	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.130	0.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.758	-4.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.397	13.1	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.461	-2.4	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.372	0.0	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.402	-3.1	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.058	1.7	100	0.00
31	TMP	Benzene	1.115	1.089	2.3	100	0.00
32	TMP	Trichloroethene	0.327	0.310	5.2	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.279	2.8	100	0.00
34	TMP	Bromodichloromethane	0.349	0.357	-2.3	100	0.00
35	S	Toluene-d8	0.962	0.922	4.2	100	0.00
36	TMP	Dibromomethane	0.166	0.165	0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.041	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:23 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.396	-0.5	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.880	15.9	100	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.461	0.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.251	-0.4	100	0.00
43	TMP	2-Hexanone	0.239	0.230	3.8	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.432	2.7	100	0.01
45	TMP	Tetrachloroethene	0.421	0.361	14.3	100	0.00
46	TMP	Dibromochloromethane	0.337	0.357	-5.9	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.308	1.9	100	0.00
48	TMP	Chlorobenzene	0.977	0.977	0.0	100	0.00
49	TMP	Ethylbenzene	1.708	1.624	4.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.365	-3.7	100	0.00
51	TMP	m,p-Xylene	0.670	0.627	6.4	100	0.00
52	TMP	o-Xylene	0.661	0.635	3.9	100	0.00
53	TMP	Styrene	0.990	1.013	-2.3	100	0.00
54	TMP	Isopropylbenzene	1.609	1.631	-1.4	100	0.00
55	TMP	Bromoform	0.228	0.246	-7.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.797	3.5	100	0.00
58	TMP	n-Propylbenzene	3.181	3.148	1.0	100	0.00
59	TMP	Bromobenzene	0.791	0.778	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.369	-0.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.636	1.9	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.451#	0.9	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.858	1.4	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.151	1.3	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.133	-1.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.475	-2.0	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.106	-0.9	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.718	-2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.475	0.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.412	2.6	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.443	0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.116	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080837.D
Acq On : 08 Aug 2022 10:20 pm
Operator : RF
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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.120	-1.7	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.612	-0.8	100	0.00
75 TMP	Naphthalene	2.108	2.213	-5.0	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.015	-2.9	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	68481	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	51301	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	29370	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	17458	9.310	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 93.10%			
30) 1,2-Dichloroethane-d4	4.35	102	3897	9.598	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 96.00%			
35) Toluene-d8	5.98	98	66414	10.084	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.80%			
57) 4-Bromofluorobenzene	8.38	95	24692	10.175	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.70%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.08	85	589187	104.951	ppb	99
5) Chloromethane	1.22	50	610289	102.907	ppb	97
6] Vinyl chloride	1.29	62	579320	105.909	ppb	98
7) Bromomethane	1.52	94	353890	109.202	ppb	97
8] Chloroethane	1.58	64	279864	101.150	ppb	96
9) Trichlorofluoromethane	1.76	101	669767	102.156	ppb	99
10) 2-Propanol	2.40	45	381	No Calib		
11) Acetone	2.25	58	77918	499.664	ppb	86
12] 1,1-Dichloroethene	2.18	96	186068	99.647	ppb	99
13) Hexane	3.04	57	289397	101.777	ppb	98
14) Methylene chloride	2.60	84	200203	100.030	ppb	93
15) t-Butyl alcohol (TBA)	2.72	59	104675	508.248	ppb	96
16] Methyl t-butyl ether (...	2.83	73	511616	99.171	ppb	100
17] trans-1,2-Dichloroethene	2.82	96	196911	99.799	ppb	96
18) Diisopropyl ether (DIPE)	3.24	45	631289	98.240	ppb	98
19] 1,1-Dichloroethane	3.17	63	361693	97.543	ppb	98
20) Ethyl t-butyl ether (E...	3.54	87	226066	100.163	ppb	89
21) 2,2-Dichloropropane	3.66	77	185484	96.601	ppb	98
22] cis-1,2-Dichloroethene	3.66	96	210302	100.107	ppb	94
23) Chloroform	3.94	83	333525	99.204	ppb	100
24) 2-Butanone (MEK)	3.70	43	439485	526.981	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	510077	102.829	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	270501	101.049	ppb	98
27] 1,1,1-Trichloroethane	4.08	97	311558	101.065	ppb	92

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	1,1-Dichloropropene	4.22	75	254218	99.804	ppb	100
29)	Carbon tetrachloride	4.21	117	273923	102.450	ppb	97
31]	Benzene	4.38	78	739672	101.555	ppb	96
32]	Trichloroethene	4.93	95	212151	101.511	ppb	93
33)	1,2-Dichloropropane	5.13	63	193900	98.546	ppb	99
34)	Bromodichloromethane	5.37	83	247979	103.776	ppb	99
36)	Dibromomethane	5.23	93	112969	99.293	ppb	99
37)	4-Methyl-2-pentanone	5.91	85	145693	522.041	ppb	97
38)	cis-1,3-Dichloropropene	5.75	75	289678	107.452	ppb	98
40]	Toluene	6.04	92	471717	108.096	ppb	90
41)	trans-1,3-Dichloropropene	6.25	75	252984	106.733	ppb	99
42]	1,1,2-Trichloroethane	6.40	83	136659	106.441	ppb	96
43)	2-Hexanone	6.64	43	627397	512.070	ppb	99
44)	1,3-Dichloropropane	6.57	76	237749	104.338	ppb	98
45]	Tetrachloroethene	6.51	164	194160	108.752	ppb	99
46)	Dibromochloromethane	6.76	129	196851	114.000	ppb	98
47]	1,2-Dibromoethane (EDB)	6.85	107	165750	102.919	ppb	99
48)	Chlorobenzene	7.30	112	524638	104.705	ppb	98
49]	Ethylbenzene	7.41	91	865974	105.535	ppb	86
50)	1,1,1,2-Tetrachloroethane	7.38	131	193375	107.045	ppb	100
51]	m,p-Xylene	7.52	106	676936	212.816	ppb	94
52]	o-Xylene	7.88	106	337638	106.943	ppb	95
53)	Styrene	7.90	104	546148	107.578	ppb	100
54)	Isopropylbenzene	8.23	105	869390	105.312	ppb	98
55)	Bromoform	8.07	173	139349	119.059	ppb	99
58)	n-Propylbenzene	8.63	91	988420	105.799	ppb	98
59)	Bromobenzene	8.52	156	245897	105.852	ppb	96
60)	1,3,5-Trimethylbenzene	8.80	105	730643	105.510	ppb	99
61)	1,1,2,2-Tetrachloroethane	8.54	83	202848	106.566	ppb	97
62)	1,2,3-Trichloropropane	8.57	75	144830	108.305	ppb	97
63)	2-Chlorotoluene	8.70	91	578373	104.541	ppb	99
64)	4-Chlorotoluene	8.81	91	678111	105.972	ppb	97
65)	tert-Butylbenzene	9.11	119	671134	108.486	ppb	97
66)	1,2,4-Trimethylbenzene	9.16	105	773622	108.553	ppb	98
67)	sec-Butylbenzene	9.32	105	975810	107.989	ppb	99
68)	p-Isopropyltoluene	9.47	119	853790	109.306	ppb	99
69)	1,3-Dichlorobenzene	9.42	146	470219	107.696	ppb	99
70)	1,4-Dichlorobenzene	9.51	146	448827	105.445	ppb	97
71)	1,2-Dichlorobenzene	9.87	146	450342	105.491	ppb	99
72)	1,2-Dibromo-3-chloropr...	10.64	75	37656	110.061	ppb	90
73)	1,2,4-Trichlorobenzene	11.44	180	351006	108.549	ppb	98

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

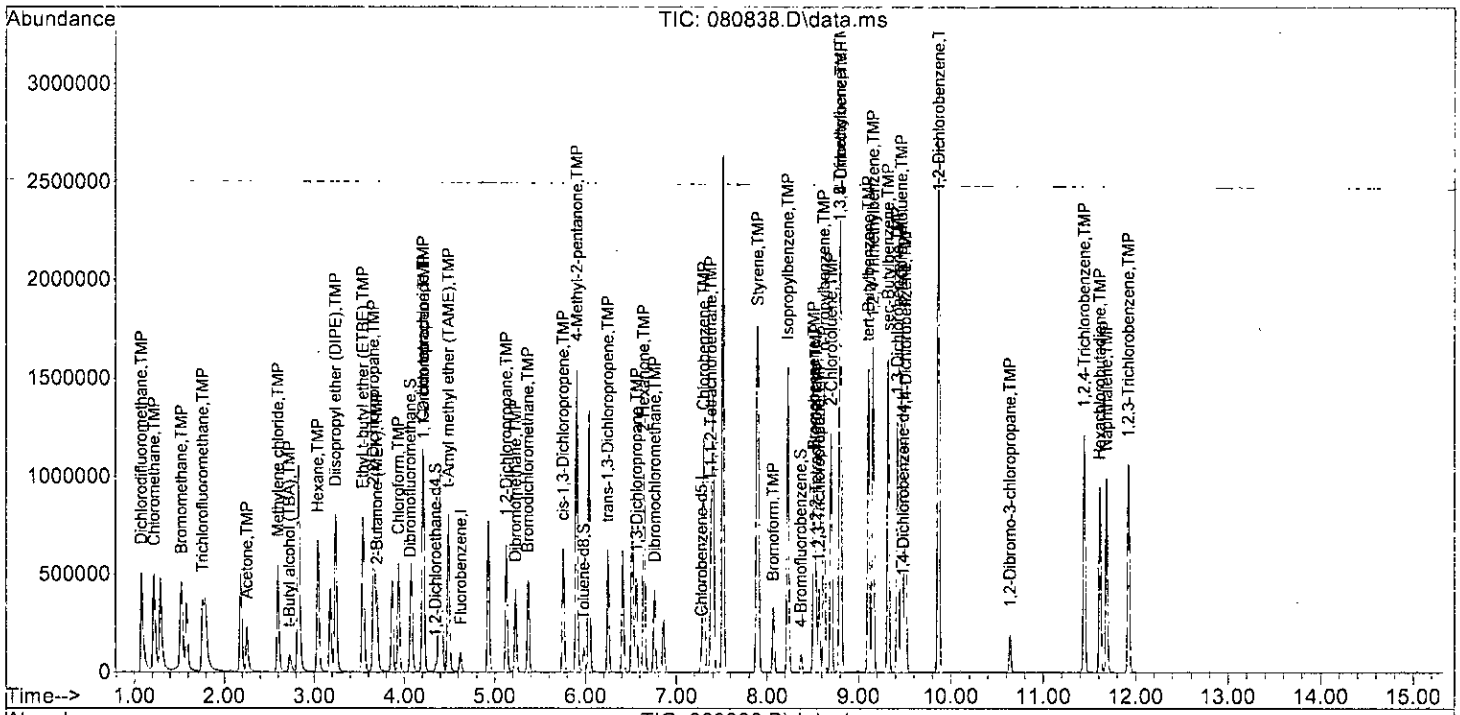
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	191188	107.306	ppb	97
75) Naphthalene	11.69	128	690333	111.513	ppb	98
76) 1,2,3-Trichlorobenzene	11.92	180	313231	108.127	ppb	98

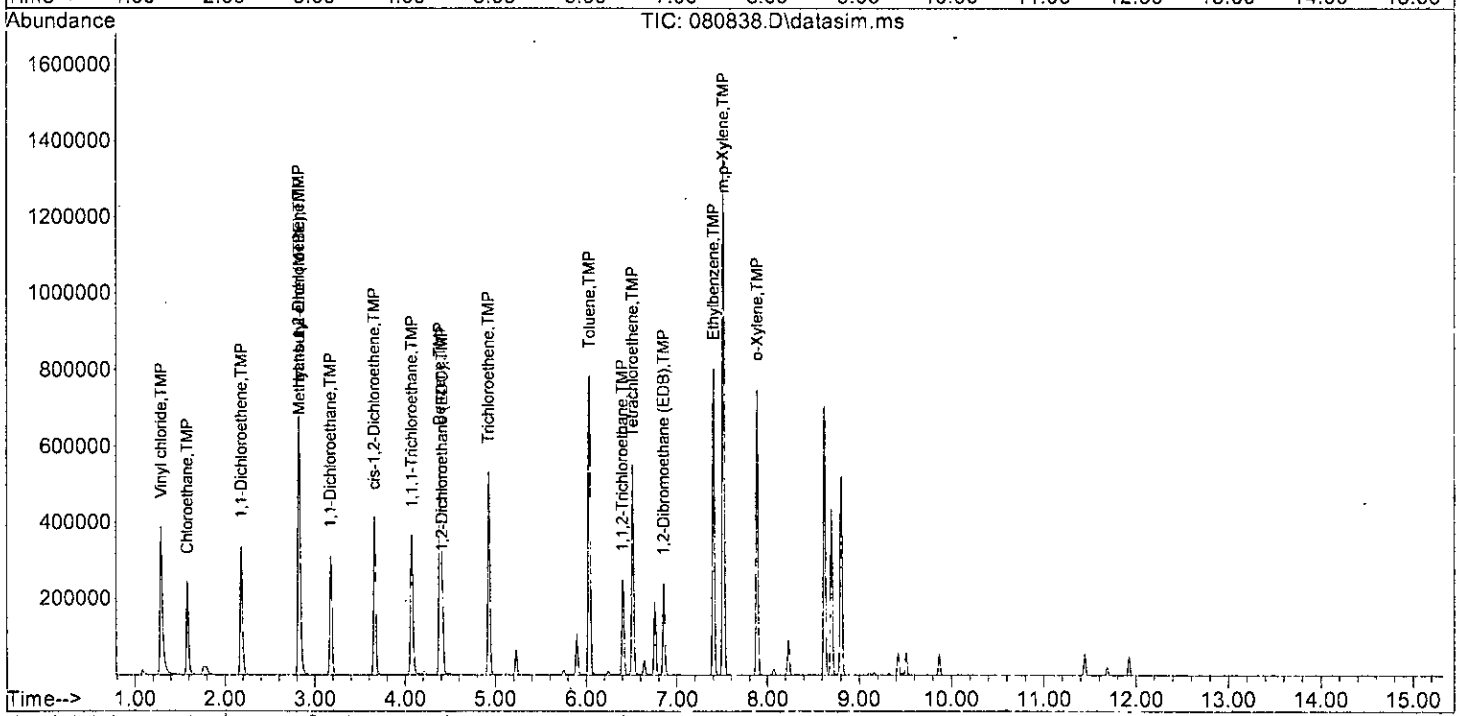
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.310	6.9	100	0.00
4	TMP	Dichlorodifluoromethane	100.000	104.951	-5.0	100	0.00
5	TMP	Chloromethane	100.000	102.907	-2.9	100	0.00
6	TMP	Vinyl chloride	100.000	105.909	-5.9	100	0.00
7	TMP	Bromomethane	100.000	109.202	-9.2	100	0.00
8	TMP	Chloroethane	100.000	101.150	-1.2	100	0.00
9	TMP	Trichlorofluoromethane	100.000	102.156	-2.2	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	500.000	499.664	0.1	100	0.00
12	TMP	1,1-Dichloroethene	100.000	99.647	0.4	100	0.00
13	TMP	Hexane	100.000	101.777	-1.8	100	0.00
14	TMP	Methylene chloride	100.000	100.030	-0.0	100	0.00
15	TMP	t-Butyl alcohol (TBA)	500.000	508.248	-1.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	100.000	99.171	0.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	100.000	99.799	0.2	100	0.00
18	TMP	Diisopropyl ether (DIPE)	100.000	98.240	1.8	100	0.00
19	TMP	1,1-Dichloroethane	100.000	97.543	2.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	100.163	-0.2	100	0.00
21	TMP	2,2-Dichloropropane	100.000	96.601	3.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	100.000	100.107	-0.1	100	0.00
23	TMP	Chloroform	100.000	99.204	0.8	100	0.00
24	TMP	2-Butanone (MEK)	500.000	526.981	-5.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	100.000	102.829	-2.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	100.000	101.049	-1.0	100	0.00
27	TMP	1,1,1-Trichloroethane	100.000	101.065	-1.1	100	0.00
28	TMP	1,1-Dichloropropene	100.000	99.804	0.2	100	0.00
29	TMP	Carbon tetrachloride	100.000	102.450	-2.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.598	4.0	100	0.00
31	TMP	Benzene	100.000	101.555	-1.6	100	0.00
32	TMP	Trichloroethene	100.000	101.511	-1.5	100	0.00
33	TMP	1,2-Dichloropropane	100.000	98.546	1.5	100	0.00
34	TMP	Bromodichloromethane	100.000	103.776	-3.8	100	0.00
35	S	Toluene-d8	10.000	10.084	-0.8	100	0.00
36	TMP	Dibromomethane	100.000	99.293	0.7	100	0.00
37	TMP	4-Methyl-2-pentanone	500.000	522.041	-4.4	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	100.000	107.452	-7.5	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	100.000	108.096	-8.1	100	0.01
41	TMP	trans-1,3-Dichloropropene	100.000	106.733	-6.7	100	0.00
42	TMP	1,1,2-Trichloroethane	100.000	106.441	-6.4	100	0.00
43	TMP	2-Hexanone	500.000	512.070	-2.4	100	0.00
44	TMP	1,3-Dichloropropane	100.000	104.338	-4.3	100	0.01
45	TMP	Tetrachloroethene	100.000	108.752	-8.8	100	0.00
46	TMP	Dibromochloromethane	100.000	114.000	-14.0	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	100.000	102.919	-2.9	100	0.00
48	TMP	Chlorobenzene	100.000	104.705	-4.7	100	0.00
49	TMP	Ethylbenzene	100.000	105.535	-5.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	100.000	107.045	-7.0	100	0.00
51	TMP	m,p-Xylene	200.000	212.816	-6.4	100	0.00
52	TMP	o-Xylene	100.000	106.943	-6.9	100	0.00
53	TMP	Styrene	100.000	107.578	-7.6	100	0.00
54	TMP	Isopropylbenzene	100.000	105.312	-5.3	100	0.00
55	TMP	Bromoform	100.000	119.059	-19.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.175	-1.8	100	0.00
58	TMP	n-Propylbenzene	100.000	105.799	-5.8	100	0.00
59	TMP	Bromobenzene	100.000	105.852	-5.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	100.000	105.510	-5.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	100.000	106.566	-6.6	100	0.00
62	TMP	1,2,3-Trichloropropane	100.000	108.305	-8.3	100	0.00
63	TMP	2-Chlorotoluene	100.000	104.541	-4.5	100	0.00
64	TMP	4-Chlorotoluene	100.000	105.972	-6.0	100	0.00
65	TMP	tert-Butylbenzene	100.000	108.486	-8.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	100.000	108.553	-8.6	100	0.00
67	TMP	sec-Butylbenzene	100.000	107.989	-8.0	100	0.00
68	TMP	p-Isopropyltoluene	100.000	109.306	-9.3	100	0.00
69	TMP	1,3-Dichlorobenzene	100.000	107.696	-7.7	100	0.00
70	TMP	1,4-Dichlorobenzene	100.000	105.445	-5.4	100	0.00
71	TMP	1,2-Dichlorobenzene	100.000	105.491	-5.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	100.000	110.061	-10.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	100.000	108.549	-8.5	100	0.00
74 TMP	Hexachlorobutadiene	100.000	107.306	-7.3	100	0.00
75 TMP	Naphthalene	100.000	111.513	-11.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	100.000	108.127	-8.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
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InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.255	6.9	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.860	-4.9	100	0.00
5	TMP	Chloromethane	0.866	0.891	-2.9	100	0.00
6	TMP	Vinyl chloride	0.799	0.846	-5.9	100	0.00
7	TMP	Bromomethane	0.473	0.517	-9.3	100	0.00
8	TMP	Chloroethane	0.404	0.409	-1.2	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.978	-2.2	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.272	0.4	100	0.00
13	TMP	Hexane	0.415	0.423	-1.9	100	0.00
14	TMP	Methylene chloride	0.362	0.292	19.3	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.031	-3.3	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.747	0.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.288	8.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.922	1.7	100	0.00
19	TMP	1,1-Dichloroethane	0.541	0.528	2.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.330	0.0	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.271	15.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.307	5.5	100	0.00
23	TMP	Chloroform	0.491	0.487	0.8	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.128	2.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.745	-2.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.395	13.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.455	-1.1	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.371	0.3	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.400	-2.6	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.057	3.4	100	0.00
31	TMP	Benzene	1.115	1.080	3.1	100	0.00
32	TMP	Trichloroethene	0.327	0.310	5.2	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.283	1.4	100	0.00
34	TMP	Bromodichloromethane	0.349	0.362	-3.7	100	0.00
35	S	Toluene-d8	0.962	0.970	-0.8	100	0.00
36	TMP	Dibromomethane	0.166	0.165	0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.043	-4.9	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.423	-7.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.920	12.0	100	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.493	-6.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.266	-6.4	100	0.00
43	TMP	2-Hexanone	0.239	0.245	-2.5	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.463	-4.3	100	0.01
45	TMP	Tetrachloroethene	0.421	0.378	10.2	100	0.00
46	TMP	Dibromochloromethane	0.337	0.384	-13.9	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.323	-2.9	100	0.00
48	TMP	Chlorobenzene	0.977	1.023	-4.7	100	0.00
49	TMP	Ethylbenzene	1.708	1.688	1.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.377	-7.1	100	0.00
51	TMP	m,p-Xylene	0.670	0.660	1.5	100	0.00
52	TMP	o-Xylene	0.661	0.658	0.5	100	0.00
53	TMP	Styrene	0.990	1.065	-7.6	100	0.00
54	TMP	Isopropylbenzene	1.609	1.695	-5.3	100	0.00
55	TMP	Bromoform	0.228	0.272	-19.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.841	-1.8	100	0.00
58	TMP	n-Propylbenzene	3.181	3.365	-5.8	100	0.00
59	TMP	Bromobenzene	0.791	0.837	-5.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.488	-5.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.691	-6.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.493#	-8.4	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.969	-4.5	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.309	-6.0	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.285	-8.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.634	-8.5	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.322	-8.0	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.907	-9.3	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.601	-7.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.528	-5.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.533	-5.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.128	-10.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080838.D
Acq On : 08 Aug 2022 10:42 pm
Operator : RF
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:28 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

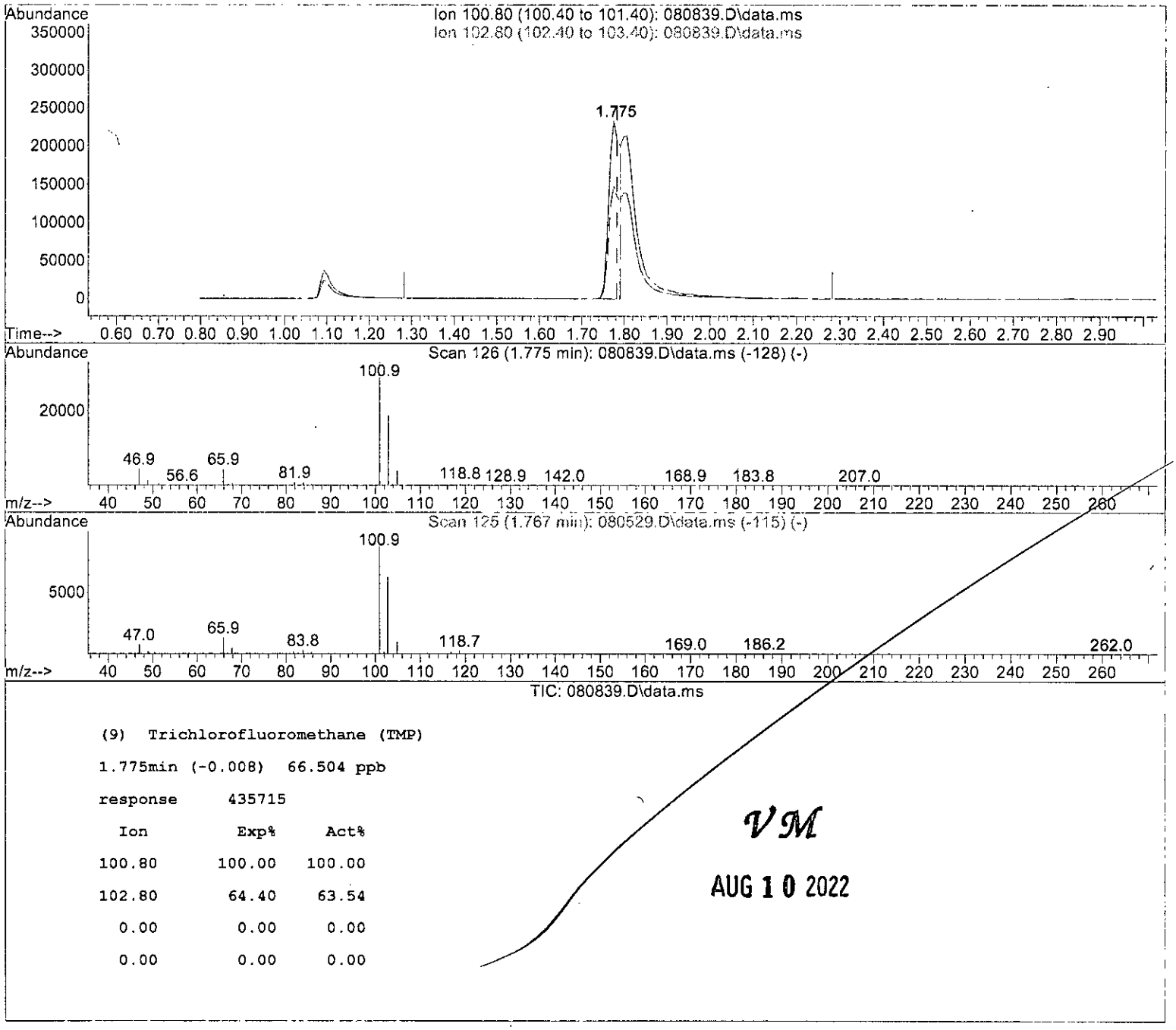
	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.195	-8.5	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.651	-7.2	100	0.00
75 TMP	Naphthalene	2.108	2.350	-11.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.066	-8.1	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:33 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080839.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.008) 66.504 ppb

response 435715

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.54
0.00	0.00	0.00
0.00	0.00	0.00

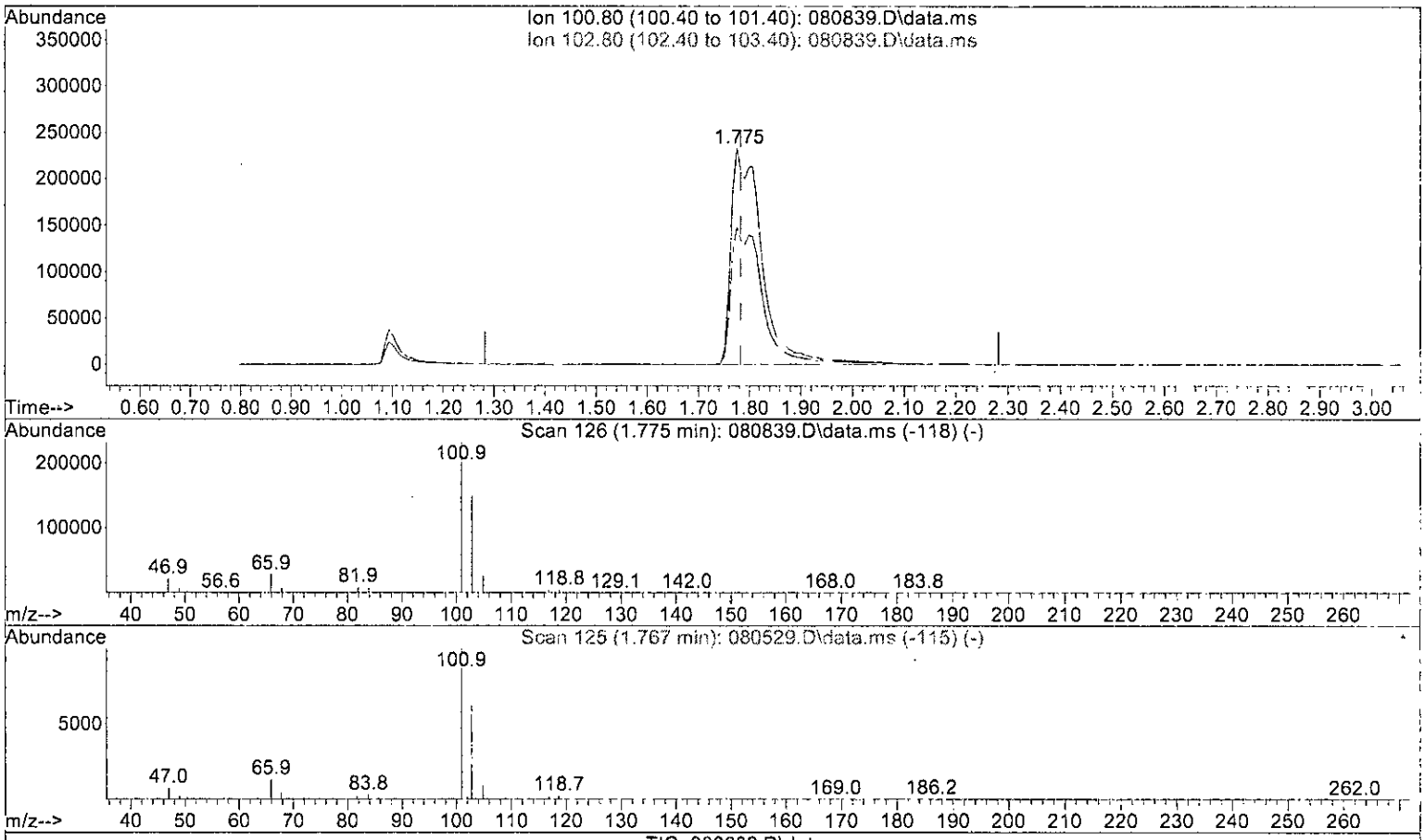
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080839.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.775min (-0.008) 150.127 ppb m

response 983590

Ion	Exp%	Act%
100.80	100.00	100.00
102.80	64.40	63.54
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	68433	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	52899	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	30028	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	18873	10.072	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.70%			
30) 1,2-Dichloroethane-d4	4.36	102	4088	10.075	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 100.80%			
35) Toluene-d8	5.98	98	65028	9.880	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 98.80%			
57) 4-Bromofluorobenzene	8.38	95	24755	9.977	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 99.80%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	869367	154.968	ppb	98
5) Chloromethane	1.23	50	894857	150.997	ppb	98
6] Vinyl chloride	1.31	62	842028	154.044	ppb	97
7) Bromomethane	1.54	94	508332	156.969	ppb	97
8] Chloroethane	1.60	64	408465	147.734	ppb	96
9) Trichlorofluoromethane	1.77	101	983590m	150.127	ppb	
10) 2-Propanol	2.43	45	372	No Calib		
11) Acetone	2.26	58	117167	784.115	ppb	98
12] 1,1-Dichloroethene	2.20	96	269230	144.284	ppb	92
13) Hexane	3.05	57	426793	150.202	ppb	98
14) Methylene chloride	2.61	84	288659	155.493	ppb	95
15) t-Butyl alcohol (TBA)	2.74	59	153123	744.008	ppb	98
16] Methyl t-butyl ether (...	2.84	73	737339	143.025	ppb	98
17] trans-1,2-Dichloroethene	2.83	96	288647	146.401	ppb	89
18) Diisopropyl ether (DIPE)	3.25	45	993832	154.766	ppb	97
19] 1,1-Dichloroethane	3.19	63	527628	142.392	ppb	96
20) Ethyl t-butyl ether (E...	3.55	87	332156	147.271	ppb	92
21) 2,2-Dichloropropane	3.67	77	287341	155.767	ppb	98
22] cis-1,2-Dichloroethene	3.67	96	307956	146.699	ppb	95
23) Chloroform	3.95	83	492413	146.566	ppb	99
24) 2-Butanone (MEK)	3.71	43	625961	751.301	ppb	99
25) t-Amyl methyl ether (T...	4.50	73	735134	148.303	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	386882	144.636	ppb	100
27] 1,1,1-Trichloroethane	4.08	97	450924	146.376	ppb	99

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	1,1-Dichloropropene	4.22	75	379337	149.029	ppb	98
29)	Carbon tetrachloride	4.22	117	400830	150.019	ppb	96
31]	Benzene	4.39	78	1070774	147.120	ppb	99
32]	Trichloroethene	4.94	95	308838	147.883	ppb	99
33)	1,2-Dichloropropane	5.14	63	280429	142.623	ppb	99
34)	Bromodichloromethane	5.37	83	361004	151.182	ppb	99
36)	Dibromomethane	5.23	93	161946	142.441	ppb	98
37)	4-Methyl-2-pentanone	5.91	85	206730	741.266	ppb	96
38)	cis-1,3-Dichloropropene	5.76	75	411364	152.696	ppb	98
40]	Toluene	6.04	92	671032	149.151	ppb	91
41)	trans-1,3-Dichloropropene	6.25	75	355546	145.473	ppb	100
42]	1,1,2-Trichloroethane	6.41	83	188572	142.438	ppb	82
43)	2-Hexanone	6.65	43	836729	662.293	ppb	99
44)	1,3-Dichloropropane	6.57	76	327353	139.321	ppb	99
45]	Tetrachloroethene	6.51	164	277064	150.512	ppb	96
46)	Dibromochloromethane	6.76	129	275524	154.741	ppb	96
47]	1,2-Dibromoethane (EDB)	6.85	107	226399	136.330	ppb	97
48)	Chlorobenzene	7.30	112	745746	144.337	ppb	98
49]	Ethylbenzene	7.41	91	1212536	143.309	ppb	90
50)	1,1,1,2-Tetrachloroethane	7.38	131	280533	150.602	ppb	99
51]	m,p-Xylene	7.52	106	953731	290.786	ppb	87
52]	o-Xylene	7.88	106	480904	147.724	ppb	89
53)	Styrene	7.91	104	771505	147.376	ppb	95
54)	Isopropylbenzene	8.23	105	1244224	146.164	ppb	97
55)	Bromoform	8.08	173	196801	163.067	ppb	99
58)	n-Propylbenzene	8.63	91	1400302	146.602	ppb	98
59)	Bromobenzene	8.52	156	350378	147.523	ppb	96
60)	1,3,5-Trimethylbenzene	8.80	105	1049399	148.220	ppb	99
61)	1,1,2,2-Tetrachloroethane	8.54	83	281828	144.814	ppb	97
62)	1,2,3-Trichloropropane	8.57	75	198665	145.308	ppb	97
63)	2-Chlorotoluene	8.70	91	817236	144.478	ppb	99
64)	4-Chlorotoluene	8.81	91	964387	147.408	ppb	95
65)	tert-Butylbenzene	9.11	119	976114	154.327	ppb	96
66)	1,2,4-Trimethylbenzene	9.16	105	1108026	152.069	ppb	99
67)	sec-Butylbenzene	9.32	105	1414093	153.063	ppb	98
68)	p-Isopropyltoluene	9.47	119	1230399	154.070	ppb	99
69)	1,3-Dichlorobenzene	9.42	146	663687	148.676	ppb	99
70)	1,4-Dichlorobenzene	9.51	146	637728	146.541	ppb	97
71)	1,2-Dichlorobenzene	9.87	146	641708	147.024	ppb	99
72)	1,2-Dibromo-3-chloropr...	10.64	75	53649	153.370	ppb	90
73)	1,2,4-Trichlorobenzene	11.44	180	518296	156.771	ppb	100

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

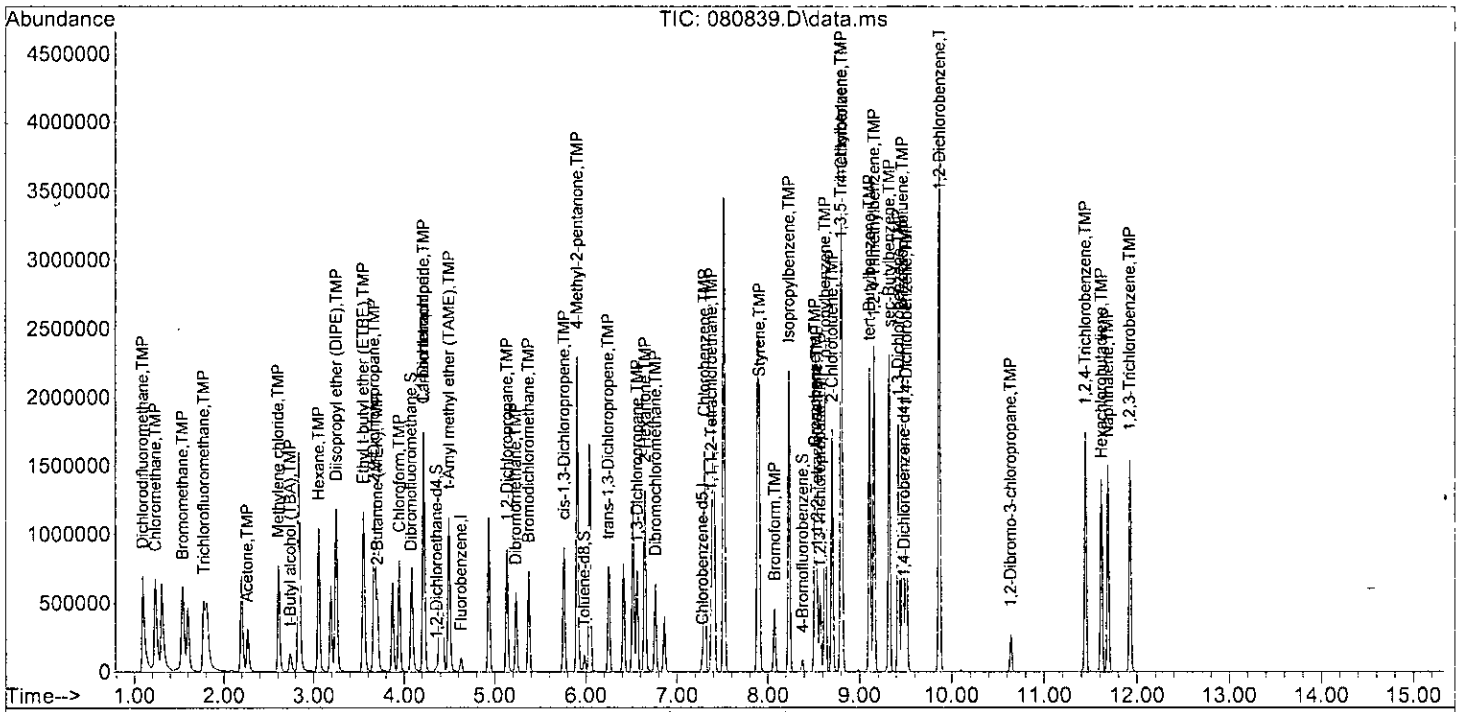
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.62	225	283894	155.846	ppb	97
75) Naphthalene	11.69	128	1019304	161.046	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	464359	156.783	ppb	99

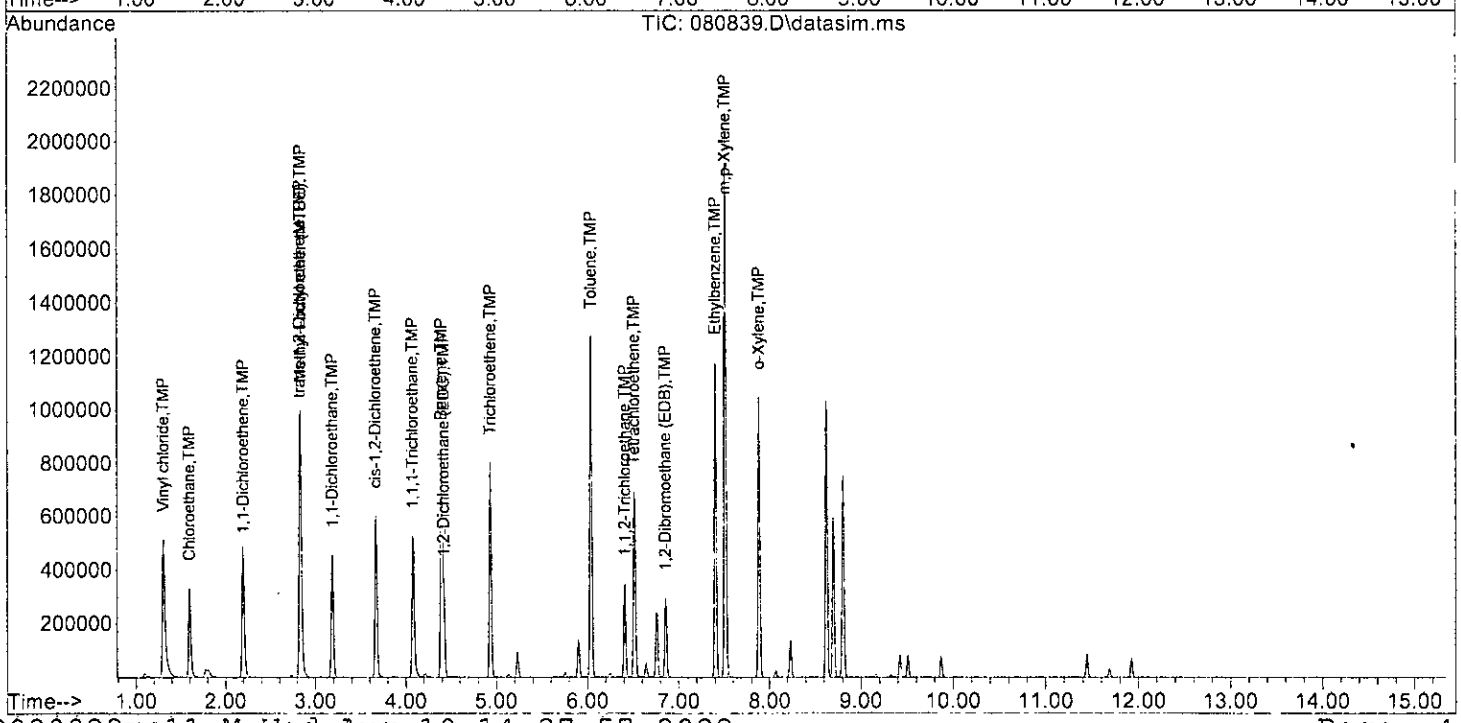
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.072	-0.7	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	154.968	-3.3	100	0.00
5	TMP	Chloromethane	150.000	150.997	-0.7	99	0.02
6	TMP	Vinyl chloride	150.000	154.044	-2.7	101	0.02
7	TMP	Bromomethane	150.000	156.969	-4.6	99	0.02
8	TMP	Chloroethane	150.000	147.734	1.5	100	0.02
9	TMP	Trichlorofluoromethane	150.000	150.127	-0.1	101	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.04
11	TMP	Acetone	750.000	784.115	-4.5	100	0.00
12	TMP	1,1-Dichloroethene	150.000	144.284	3.8	100	0.02
13	TMP	Hexane	150.000	150.202	-0.1	100	0.02
14	TMP	Methylene chloride	150.000	155.493	-3.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	750.000	744.008	0.8	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	150.000	143.025	4.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	150.000	146.401	2.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	150.000	154.766	-3.2	100	0.02
19	TMP	1,1-Dichloroethane	150.000	142.392	5.1	100	0.02
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	147.271	1.8	100	0.00
21	TMP	2,2-Dichloropropane	150.000	155.767	-3.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	150.000	146.699	2.2	100	0.00
23	TMP	Chloroform	150.000	146.566	2.3	100	0.00
24	TMP	2-Butanone (MEK)	750.000	751.301	-0.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	150.000	148.303	1.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	150.000	144.636	3.6	100	0.00
27	TMP	1,1,1-Trichloroethane	150.000	146.376	2.4	100	0.00
28	TMP	1,1-Dichloropropene	150.000	149.029	0.6	100	0.00
29	TMP	Carbon tetrachloride	150.000	150.019	-0.0	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.075	-0.7	100	0.00
31	TMP	Benzene	150.000	147.120	1.9	100	0.00
32	TMP	Trichloroethene	150.000	147.883	1.4	100	0.00
33	TMP	1,2-Dichloropropane	150.000	142.623	4.9	100	0.00
34	TMP	Bromodichloromethane	150.000	151.182	-0.8	100	0.00
35	S	Toluene-d8	10.000	9.880	1.2	100	0.00
36	TMP	Dibromomethane	150.000	142.441	5.0	100	0.00
37	TMP	4-Methyl-2-pentanone	750.000	741.266	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	150.000	152.696	-1.8	100	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	150.000	149.151	0.6	100	0.01
41	TMP	trans-1,3-Dichloropropene	150.000	145.473	3.0	100	0.00
42	TMP	1,1,2-Trichloroethane	150.000	142.438	5.0	100	0.01
43	TMP	2-Hexanone	750.000	662.293	11.7	100	0.01
44	TMP	1,3-Dichloropropane	150.000	139.321	7.1	100	0.01
45	TMP	Tetrachloroethene	150.000	150.512	-0.3	100	0.00
46	TMP	Dibromochloromethane	150.000	154.741	-3.2	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	150.000	136.330	9.1	100	0.00
48	TMP	Chlorobenzene	150.000	144.337	3.8	100	0.00
49	TMP	Ethylbenzene	150.000	143.309	4.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	150.000	150.602	-0.4	100	0.00
51	TMP	m,p-Xylene	300.000	290.786	3.1	100	0.00
52	TMP	o-Xylene	150.000	147.724	1.5	100	0.00
53	TMP	Styrene	150.000	147.376	1.7	100	0.00
54	TMP	Isopropylbenzene	150.000	146.164	2.6	100	0.00
55	TMP	Bromoform	150.000	163.067	-8.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.977	0.2	100	0.00
58	TMP	n-Propylbenzene	150.000	146.602	2.3	100	0.00
59	TMP	Bromobenzene	150.000	147.523	1.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	150.000	148.220	1.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	150.000	144.814	3.5	100	0.00
62	TMP	1,2,3-Trichloropropane	150.000	145.308	3.1	100	0.00
63	TMP	2-Chlorotoluene	150.000	144.478	3.7	100	0.00
64	TMP	4-Chlorotoluene	150.000	147.408	1.7	100	0.00
65	TMP	tert-Butylbenzene	150.000	154.327	-2.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	150.000	152.069	-1.4	100	0.00
67	TMP	sec-Butylbenzene	150.000	153.063	-2.0	100	0.00
68	TMP	p-Isopropyltoluene	150.000	154.070	-2.7	100	0.00
69	TMP	1,3-Dichlorobenzene	150.000	148.676	0.9	100	0.00
70	TMP	1,4-Dichlorobenzene	150.000	146.541	2.3	100	0.00
71	TMP	1,2-Dichlorobenzene	150.000	147.024	2.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	150.000	153.370	-2.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	150.000	156.771	-4.5	100	0.00
74 TMP	Hexachlorobutadiene	150.000	155.846	-3.9	100	0.00
75 TMP	Naphthalene	150.000	161.046	-7.4	100	0.00
76 TMP	1,2,3-Trichlorobenzene	150.000	156.783	-4.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.276	-0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.847	-3.3	100	0.00
5	TMP	Chloromethane	0.866	0.872	-0.7	99	0.02
6	TMP	Vinyl chloride	0.799	0.820	-2.6	101	0.02
7	TMP	Bromomethane	0.473	0.495	-4.7	99	0.02
8	TMP	Chloroethane	0.404	0.398	1.5	100	0.02
9	TMP	Trichlorofluoromethane	0.957	0.958	-0.1	101	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.04
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.262	4.0	100	0.02
13	TMP	Hexane	0.415	0.416	-0.2	100	0.02
14	TMP	Methylene chloride	0.362	0.281	22.4#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.030#	0.0	100	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.718	4.6	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.281	10.8	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.968	-3.2	100	0.02
19	TMP	1,1-Dichloroethane	0.541	0.514	5.0	100	0.02
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.324	1.8	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.280	12.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.300	7.7	100	0.00
23	TMP	Chloroform	0.491	0.480	2.2	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.122	6.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.716	1.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.377	17.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.439	2.4	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.370	0.5	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.390	0.0	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.060	-1.7	100	0.00
31	TMP	Benzene	1.115	1.043	6.5	100	0.00
32	TMP	Trichloroethene	0.327	0.301	8.0	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.273	4.9	100	0.00
34	TMP	Bromodichloromethane	0.349	0.352	-0.9	100	0.00
35	S	Toluene-d8	0.962	0.950	1.2	100	0.00
36	TMP	Dibromomethane	0.166	0.158	4.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.040	2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.401	-1.8	100	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.846	19.1	100	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.448	3.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.238	4.8	100	0.01
43	TMP	2-Hexanone	0.239	0.211	11.7	100	0.01
44	TMP	1,3-Dichloropropane	0.444	0.413	7.0	100	0.01
45	TMP	Tetrachloroethene	0.421	0.349	17.1	100	0.00
46	TMP	Dibromochloromethane	0.337	0.347	-3.0	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.285	9.2	100	0.00
48	TMP	Chlorobenzene	0.977	0.940	3.8	100	0.00
49	TMP	Ethylbenzene	1.708	1.528	10.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.354	-0.6	100	0.00
51	TMP	m,p-Xylene	0.670	0.601	10.3	100	0.00
52	TMP	o-Xylene	0.661	0.606	8.3	100	0.00
53	TMP	Styrene	0.990	0.972	1.8	100	0.00
54	TMP	Isopropylbenzene	1.609	1.568	2.5	100	0.00
55	TMP	Bromoform	0.228	0.248	-8.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.824	0.2	100	0.00
58	TMP	n-Propylbenzene	3.181	3.109	2.3	100	0.00
59	TMP	Bromobenzene	0.791	0.778	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.330	1.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.626	3.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.441#	3.1	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.814	3.7	100	0.00
64	TMP	4-Chlorotoluene	2.179	2.141	1.7	100	0.00
65	TMP	tert-Butylbenzene	2.106	2.167	-2.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.460	-1.4	100	0.00
67	TMP	sec-Butylbenzene	3.077	3.139	-2.0	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.732	-2.7	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.473	0.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.416	2.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.425	2.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.119	-2.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080839.D
Acq On : 08 Aug 2022 11:05 pm
Operator : RF
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:33:59 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.151	-4.5	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.630	-3.8	100	0.00
75 TMP	Naphthalene	2.108	2.263	-7.4	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.031	-4.6	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	69478	10.000	ppb	0.00
39) Chlorobenzene-d5	7.28	117	52550	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	30248	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	18890	9.929	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.30%			
30) 1,2-Dichloroethane-d4	4.36	102	4325	10.499	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 105.00%			
35) Toluene-d8	5.98	98	66968	10.022	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.20%			
57) 4-Bromofluorobenzene	8.38	95	25269	10.110	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.10%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.08	85	1042332	183.005	ppb	98
5) Chloromethane	1.22	50	1091349	181.383	ppb	99
6] Vinyl chloride	1.29	62	1023369	184.404	ppb	98
7) Bromomethane	1.52	94	622823	189.431	ppb	96
8] Chloroethane	1.58	64	497363	177.180	ppb	98
9) Trichlorofluoromethane	1.77	101	1261554	189.656	ppb	99
10) 2-Propanol	2.41	45	620	No Calib		
11) Acetone	2.25	58	143545	973.672	ppb	99
12] 1,1-Dichloroethene	2.18	96	329599	173.980	ppb	91
13) Hexane	3.05	57	542050	187.895	ppb	98
14) Methylene chloride	2.60	84	350248	195.511	ppb	92
15) t-Butyl alcohol (TBA)	2.73	59	189994	909.276	ppb	98
16] Methyl t-butyl ether (...	2.83	73	907090	173.305	ppb	97
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	642961	170.908	ppb	98
20) Ethyl t-butyl ether (E...	3.55	87	406210	177.396	ppb	93
21) 2,2-Dichloropropane	3.67	77	358811	197.070	ppb	100
22] cis-1,2-Dichloroethene	3.67	96	374931	175.919	ppb	94
23) Chloroform	3.94	83	598943	175.593	ppb	99
24) 2-Butanone (MEK)	3.70	43	761063	899.806	ppb	98
25) t-Amyl methyl ether (T...	4.49	73	902329	179.294	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	471226	173.524	ppb	97
27] 1,1,1-Trichloroethane	4.08	97	547918	175.187	ppb	96

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.22	75	462009	178.779	ppb	98
29) Carbon tetrachloride	4.21	117	487014	179.534	ppb	96
31] Benzene	4.39	78	1300819	176.041	ppb	98
32] Trichloroethene	4.93	95	376649	177.643	ppb	86
33) 1,2-Dichloropropane	5.13	63	339947	170.293	ppb	99
34) Bromodichloromethane	5.37	83	441540	182.128	ppb	97
36) Dibromomethane	5.23	93	198032	171.561	ppb	97
37) 4-Methyl-2-pentanone	5.91	85	254347	898.287	ppb	96
38) cis-1,3-Dichloropropene	5.75	75	504303	184.379	ppb	98
40] Toluene	6.04	92	819411	183.356	ppb	91
41) trans-1,3-Dichloropropene	6.25	75	433017	178.347	ppb	99
42] 1,1,2-Trichloroethane	6.40	83	231349	175.911	ppb	93
43) 2-Hexanone	6.64	43	1023231	815.293	ppb	99
44) 1,3-Dichloropropane	6.57	76	402502	172.442	ppb	99
45] Tetrachloroethene	6.51	164	342202	187.140	ppb	97
46) Dibromochloromethane	6.76	129	343961	194.459	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	276481	167.594	ppb	98
48) Chlorobenzene	7.30	112	907132	176.738	ppb	98
49] Ethylbenzene	7.41	91	1478712	175.932	ppb	88
50) 1,1,1,2-Tetrachloroethane	7.38	131	342718	185.207	ppb	98
51] m,p-Xylene	7.52	106	1166452	358.011	ppb	90
52] o-Xylene	7.88	106	586552	181.376	ppb	91
53) Styrene	7.91	104	937171	180.212	ppb	96
54) Isopropylbenzene	8.23	105	1516894	179.379	ppb	98
55) Bromoform	8.08	173	242194	202.011	ppb	99
58) n-Propylbenzene	8.63	91	1716783	178.428	ppb	98
59) Bromobenzene	8.52	156	428650	179.166	ppb	97
60) 1,3,5-Trimethylbenzene	8.80	105	1290961	181.012	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.54	83	344799	175.882	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	241530	175.376	ppb	98
63) 2-Chlorotoluene	8.70	91	1005748	176.512	ppb	98
64) 4-Chlorotoluene	8.81	91	1169213	177.416	ppb	97
65) tert-Butylbenzene	9.11	119	1198490	188.108	ppb	96
66) 1,2,4-Trimethylbenzene	9.16	105	1356976	184.881	ppb	98
67) sec-Butylbenzene	9.32	105	1736940	186.641	ppb	98
68) p-Isopropyltoluene	9.47	119	1518085	188.711	ppb	100
69) 1,3-Dichlorobenzene	9.42	146	817983	181.907	ppb	99
70) 1,4-Dichlorobenzene	9.51	146	780166	177.967	ppb	97
71) 1,2-Dichlorobenzene	9.87	146	786203	178.819	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	67161	190.601	ppb	93
73) 1,2,4-Trichlorobenzene	11.44	180	641969	192.766	ppb	99

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

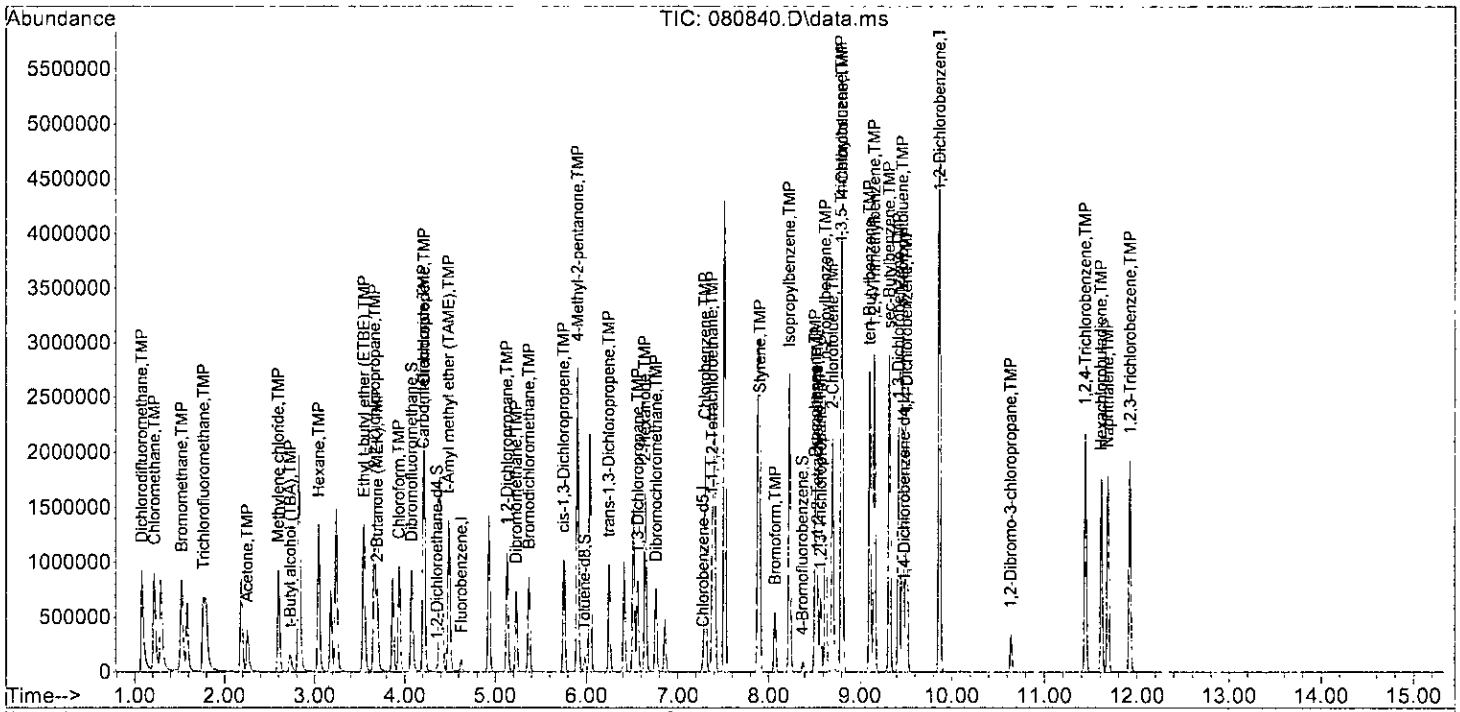
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	354886	193.401	ppb	97
75) Naphthalene	11.69	128	1256190	197.029	ppb	99
76) 1,2,3-Trichlorobenzene	11.93	180	570678	191.279	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	9.929	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	200.000	183.005	8.5	100	0.00
5	TMP	Chloromethane	200.000	181.383	9.3	100	0.00
6	TMP	Vinyl chloride	200.000	184.404	7.8	100	0.00
7	TMP	Bromomethane	200.000	189.431	5.3	100	0.00
8	TMP	Chloroethane	200.000	177.180	11.4	100	0.00
9	TMP	Trichlorofluoromethane	200.000	189.656	5.2	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	1000.000	973.672	2.6	100	0.00
12	TMP	1,1-Dichloroethene	200.000	173.980	13.0	100	0.00
13	TMP	Hexane	200.000	187.895	6.1	100	0.00
14	TMP	Methylene chloride	200.000	195.511	2.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	1000.000	909.276	9.1	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	200.000	173.305	13.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	-1.000	0.000	0.0	0	-2.82#
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.23#
19	TMP	1,1-Dichloroethane	200.000	170.908	14.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	200.000	177.396	11.3	100	0.00
21	TMP	2,2-Dichloropropane	200.000	197.070	1.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	200.000	175.919	12.0	100	0.00
23	TMP	Chloroform	200.000	175.593	12.2	100	0.00
24	TMP	2-Butanone (MEK)	1000.000	899.806	10.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	200.000	179.294	10.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	200.000	173.524	13.2	100	0.00
27	TMP	1,1,1-Trichloroethane	200.000	175.187	12.4	100	0.00
28	TMP	1,1-Dichloropropene	200.000	178.779	10.6	100	0.00
29	TMP	Carbon tetrachloride	200.000	179.534	10.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.499	-5.0	100	0.00
31	TMP	Benzene	200.000	176.041	12.0	100	0.00
32	TMP	Trichloroethene	200.000	177.643	11.2	100	0.00
33	TMP	1,2-Dichloropropane	200.000	170.293	14.9	100	0.00
34	TMP	Bromodichloromethane	200.000	182.128	8.9	100	0.00
35	S	Toluene-d8	10.000	10.022	-0.2	100	0.00
36	TMP	Dibromomethane	200.000	171.561	14.2	100	0.00
37	TMP	4-Methyl-2-pentanone	1000.000	898.287	10.2	100	0.00

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	200.000	184.379	7.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	200.000	183.356	8.3	100	0.01
41	TMP	trans-1,3-Dichloropropene	200.000	178.347	10.8	100	0.00
42	TMP	1,1,2-Trichloroethane	200.000	175.911	12.0	100	0.00
43	TMP	2-Hexanone	1000.000	815.293	18.5	100	0.00
44	TMP	1,3-Dichloropropane	200.000	172.442	13.8	100	0.01
45	TMP	Tetrachloroethene	200.000	187.140	6.4	100	0.00
46	TMP	Dibromochloromethane	200.000	194.459	2.8	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	200.000	167.594	16.2	100	0.00
48	TMP	Chlorobenzene	200.000	176.738	11.6	100	0.00
49	TMP	Ethylbenzene	200.000	175.932	12.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	200.000	185.207	7.4	100	0.00
51	TMP	m,p-Xylene	400.000	358.011	10.5	100	0.00
52	TMP	o-Xylene	200.000	181.376	9.3	100	0.00
53	TMP	Styrene	200.000	180.212	9.9	100	0.00
54	TMP	Isopropylbenzene	200.000	179.379	10.3	100	0.00
55	TMP	Bromoform	200.000	202.011	-1.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.110	-1.1	100	0.00
58	TMP	n-Propylbenzene	200.000	178.428	10.8	100	0.00
59	TMP	Bromobenzene	200.000	179.166	10.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	200.000	181.012	9.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	200.000	175.882	12.1	100	0.00
62	TMP	1,2,3-Trichloropropane	200.000	175.376	12.3	100	0.00
63	TMP	2-Chlorotoluene	200.000	176.512	11.7	100	0.00
64	TMP	4-Chlorotoluene	200.000	177.416	11.3	100	0.00
65	TMP	tert-Butylbenzene	200.000	188.108	5.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	200.000	184.881	7.6	100	0.00
67	TMP	sec-Butylbenzene	200.000	186.641	6.7	100	0.00
68	TMP	p-Isopropyltoluene	200.000	188.711	5.6	100	0.00
69	TMP	1,3-Dichlorobenzene	200.000	181.907	9.0	100	0.00
70	TMP	1,4-Dichlorobenzene	200.000	177.967	11.0	100	0.00
71	TMP	1,2-Dichlorobenzene	200.000	178.819	10.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	200.000	190.601	4.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	200.000	192.766	3.6	100	0.00
74 TMP	Hexachlorobutadiene	200.000	193.401	3.3	100	0.00
75 TMP	Naphthalene	200.000	197.029	1.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	200.000	191.279	4.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.272	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.750	8.5	100	0.00
5	TMP	Chloromethane	0.866	0.785	9.4	100	0.00
6	TMP	Vinyl chloride	0.799	0.736	7.9	100	0.00
7	TMP	Bromomethane	0.473	0.448	5.3	100	0.00
8	TMP	Chloroethane	0.404	0.358	11.4	100	0.00
9	TMP	Trichlorofluoromethane	0.957	0.908	5.1	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.025	0.021	16.0	100	0.00
12	TMP	1,1-Dichloroethene	0.273	0.237	13.2	100	0.00
13	TMP	Hexane	0.415	0.390	6.0	100	0.00
14	TMP	Methylene chloride	0.362	0.252	30.4#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.027#	10.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.653	13.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.000#	100.0#	0#	-2.82#
18	TMP	Diisopropyl ether (DIPE)	0.938	0.000#	100.0#	0#	-3.23#
19	TMP	1,1-Dichloroethane	0.541	0.463	14.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.292	11.5	100	0.00
21	TMP	2,2-Dichloropropane	0.319	0.258	19.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.270	16.9	100	0.00
23	TMP	Chloroform	0.491	0.431	12.2	100	0.00
24	TMP	2-Butanone (MEK)	0.131	0.110	16.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.649	10.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.339	25.8#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.394	12.4	100	0.00
28	TMP	1,1-Dichloropropene	0.372	0.332	10.8	100	0.00
29	TMP	Carbon tetrachloride	0.390	0.350	10.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.062	-5.1	100	0.00
31	TMP	Benzene	1.115	0.936	16.1	100	0.00
32	TMP	Trichloroethene	0.327	0.271	17.1	100	0.00
33	TMP	1,2-Dichloropropane	0.287	0.245	14.6	100	0.00
34	TMP	Bromodichloromethane	0.349	0.318	8.9	100	0.00
35	S	Toluene-d8	0.962	0.964	-0.2	100	0.00
36	TMP	Dibromomethane	0.166	0.143	13.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.037	9.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.363	7.9	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.046	0.780	25.4#	100	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.412	10.8	100	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.220	12.0	100	0.00
43	TMP	2-Hexanone	0.239	0.195	18.4	100	0.00
44	TMP	1,3-Dichloropropane	0.444	0.383	13.7	100	0.01
45	TMP	Tetrachloroethene	0.421	0.326	22.6#	100	0.00
46	TMP	Dibromochloromethane	0.337	0.327	3.0	100	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.263	16.2	100	0.00
48	TMP	Chlorobenzene	0.977	0.863	11.7	100	0.00
49	TMP	Ethylbenzene	1.708	1.407	17.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.326	7.4	100	0.00
51	TMP	m,p-Xylene	0.670	0.555	17.2	100	0.00
52	TMP	o-Xylene	0.661	0.558	15.6	100	0.00
53	TMP	Styrene	0.990	0.892	9.9	100	0.00
54	TMP	Isopropylbenzene	1.609	1.443	10.3	100	0.00
55	TMP	Bromoform	0.228	0.230	-0.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.826	0.835	-1.1	100	0.00
58	TMP	n-Propylbenzene	3.181	2.838	10.8	100	0.00
59	TMP	Bromobenzene	0.791	0.709	10.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.134	9.5	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.570	12.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.399#	12.3	100	0.00
63	TMP	2-Chlorotoluene	1.884	1.663	11.7	100	0.00
64	TMP	4-Chlorotoluene	2.179	1.933	11.3	100	0.00
65	TMP	tert-Butylbenzene	2.106	1.981	5.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.243	7.6	100	0.00
67	TMP	sec-Butylbenzene	3.077	2.871	6.7	100	0.00
68	TMP	p-Isopropyltoluene	2.660	2.509	5.7	100	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.352	9.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.290	11.0	100	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.300	10.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.111	4.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080840.D
Acq On : 08 Aug 2022 11:27 pm
Operator : RF
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:34:49 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.061	3.6	100	0.00
74 TMP	Hexachlorobutadiene	0.607	0.587	3.3	100	0.00
75 TMP	Naphthalene	2.108	2.076	1.5	100	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	0.943	4.4	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080841.D
Acq On : 08 Aug 2022 11:49 pm
Operator : RF
Sample : rinse
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.64	96	69376	10.000	ppb		0.02
39) Chlorobenzene-d5	7.28	117	50592	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.49	152	28399	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.09	113	19577	10.306	ppb		0.02
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.10%				
30) 1,2-Dichloroethane-d4	4.37	102	4038	9.817	ppb		0.02
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.20%				
35) Toluene-d8	5.98	98	63793	9.561	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 95.60%				
57) 4-Bromofluorobenzene	8.38	95	24088	10.265	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 102.70%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	1175	0.207	ppb		77
5) Chloromethane	1.23	50	1916	0.319	ppb		89
6] Vinyl chloride	1.31	62	1871	0.338	ppb		96
7) Bromomethane	1.55	94	5148	1.568	ppb	#	51
8] Chloroethane	1.61	64	870	0.310	ppb	#	1
9) Trichlorofluoromethane	1.78	101	723	0.109	ppb		86
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.28	58	416	1.141	ppb		97
12] 1,1-Dichloroethene	2.20	96	540	0.285	ppb		95
13) Hexane	3.06	57	1520	0.528	ppb		89
14) Methylene chloride	2.61	84	20046	4.985	ppb		93
15) t-Butyl alcohol (TBA)	2.76	59	129	0.618	ppb	#	1
16] Methyl t-butyl ether (...	2.85	73	782	0.150	ppb		59
17] trans-1,2-Dichloroethene	2.84	96	769	0.372	ppb		97
18) Diisopropyl ether (DIPE)	3.25	45	454	0.070	ppb		87
19] 1,1-Dichloroethane	3.19	63	445	0.118	ppb		100
20) Ethyl t-butyl ether (E...	3.56	87	231	0.101	ppb	#	45
21) 2,2-Dichloropropane	3.67	77	368	0.051	ppb		48
22] cis-1,2-Dichloroethene	3.68	96	586	0.266	ppb		95
23) Chloroform	3.95	83	556	0.163	ppb		84
24) 2-Butanone (MEK)	3.72	43	1068	0.812	ppb		64
25) t-Amyl methyl ether (T...	4.50	73	459	0.091	ppb		76
26] 1,2-Dichloroethane (EDC)	4.42	62	801	0.270	ppb		96
27] 1,1,1-Trichloroethane	4.09	97	326	0.104	ppb		92

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080841.D
Acq On : 08 Aug 2022 11:49 pm
Operator : RF
Sample : rinse
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	4.23	75	623	0.241	ppb		76
29)	Carbon tetrachloride	4.22	117	517	0.191	ppb	#	60
31]	Benzene	4.39	78	1213	0.157	ppb		96
32]	Trichloroethene	4.94	95	605	0.275	ppb		96
33)	1,2-Dichloropropane	5.14	63	346	0.174	ppb	#	87
34)	Bromodichloromethane	5.37	83	354	0.146	ppb		81
36)	Dibromomethane	5.23	93	523	0.454	ppb		91
37)	4-Methyl-2-pentanone	5.91	85	199	0.704	ppb	#	51
38)	cis-1,3-Dichloropropene	5.76	75	774	0.283	ppb		86
40]	Toluene	6.04	92	1066	0.180	ppb		93
41)	trans-1,3-Dichloropropene	6.26	75	1099	0.470	ppb		74
42]	1,1,2-Trichloroethane	6.41	83	252	0.199	ppb		86
43)	2-Hexanone	6.65	43	1812	1.500	ppb		90
44)	1,3-Dichloropropane	6.57	76	605	0.269	ppb		97
45]	Tetrachloroethene	6.52	164	536	0.273	ppb		93
46)	Dibromochloromethane	6.76	129	409	0.240	ppb		70
47]	1,2-Dibromoethane (EDB)	6.85	107	712	0.448	ppb		94
48)	Chlorobenzene	7.30	112	1414	0.286	ppb		96
49]	Ethylbenzene	7.41	91	1900	0.225	ppb		92
50)	1,1,1,2-Tetrachloroethane	7.39	131	318	0.178	ppb		91
51]	m,p-Xylene	7.52	106	1561	0.474	ppb		88
52]	o-Xylene	7.88	106	684	0.209	ppb		90
53)	Styrene	7.90	104	1514	0.302	ppb		97
54)	Isopropylbenzene	8.23	105	2178	0.268	ppb		89
55)	Bromoform	8.07	173	366	0.317	ppb		85
58)	n-Propylbenzene	8.63	91	3034	0.336	ppb		87
59)	Bromobenzene	8.52	156	903	0.402	ppb		76
60)	1,3,5-Trimethylbenzene	8.80	105	2656	0.397	ppb		99
61)	1,1,2,2-Tetrachloroethane	8.53	83	521	0.283	ppb		92
62)	1,2,3-Trichloropropane	8.57	75	364	0.282	ppb		81
63)	2-Chlorotoluene	8.70	91	1645	0.307	ppb		88
64)	4-Chlorotoluene	8.81	91	2455	0.397	ppb		96
65)	tert-Butylbenzene	9.11	119	2623	0.438	ppb		87
66)	1,2,4-Trimethylbenzene	9.16	105	2523	0.366	ppb		97
67)	sec-Butylbenzene	9.32	105	4497	0.515	ppb		87
68)	p-Isopropyltoluene	9.47	119	3971	0.526	ppb		89
69)	1,3-Dichlorobenzene	9.42	146	1801	0.427	ppb		95
70)	1,4-Dichlorobenzene	9.50	146	1938	0.471	ppb		97
71)	1,2-Dichlorobenzene	9.87	146	1935	0.469	ppb		90
72)	1,2-Dibromo-3-chloropr...	10.64	75	188	0.568	ppb	#	64
73)	1,2,4-Trichlorobenzene	11.44	180	3435	1.099	ppb		96

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080841.D
Acq On : 08 Aug 2022 11:49 pm
Operator : RF
Sample : rinse
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

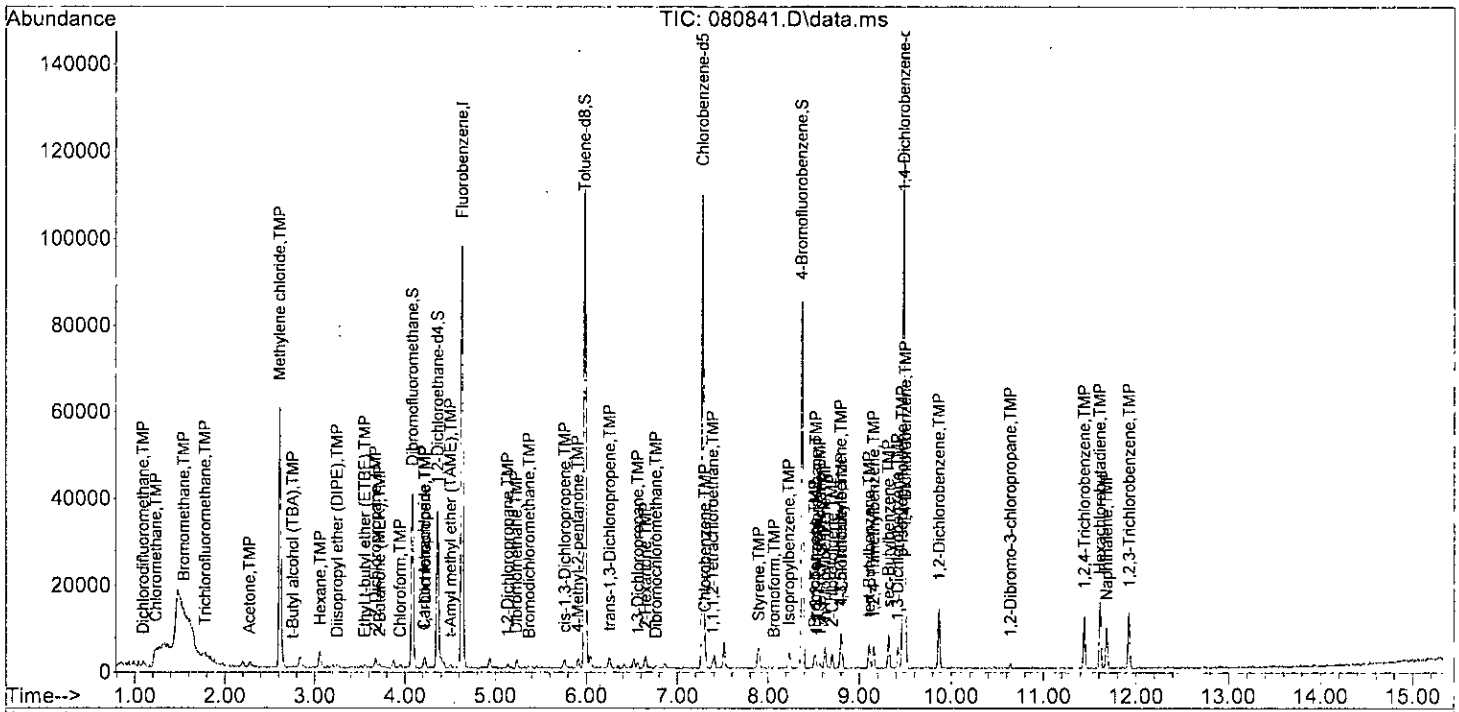
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	3200	1.857	ppb	91
75) Naphthalene	11.69	128	6529	1.091	ppb	93
76) 1,2,3-Trichlorobenzene	11.93	180	3855	1.376	ppb	92

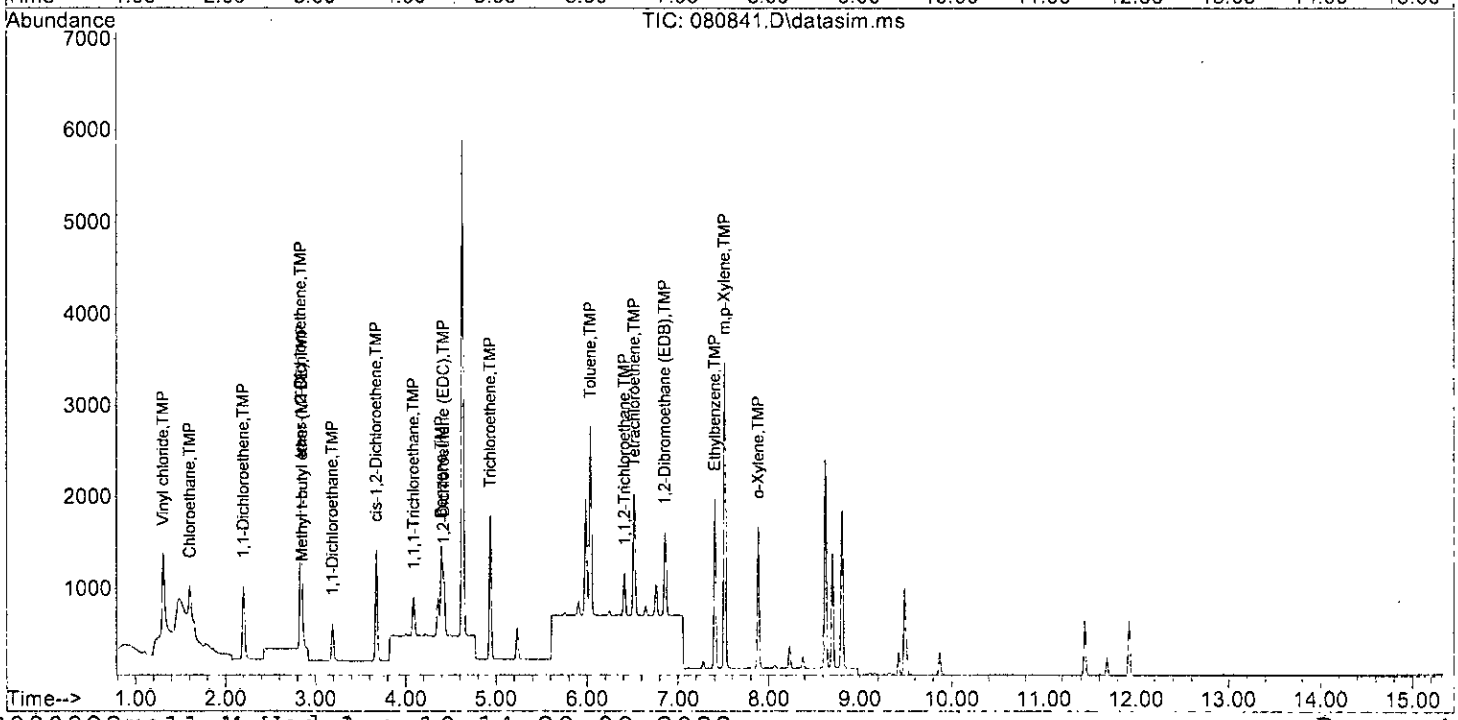
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080841.D
Acq On : 08 Aug 2022 11:49 pm
Operator : RF
Sample : rinse
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:43 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

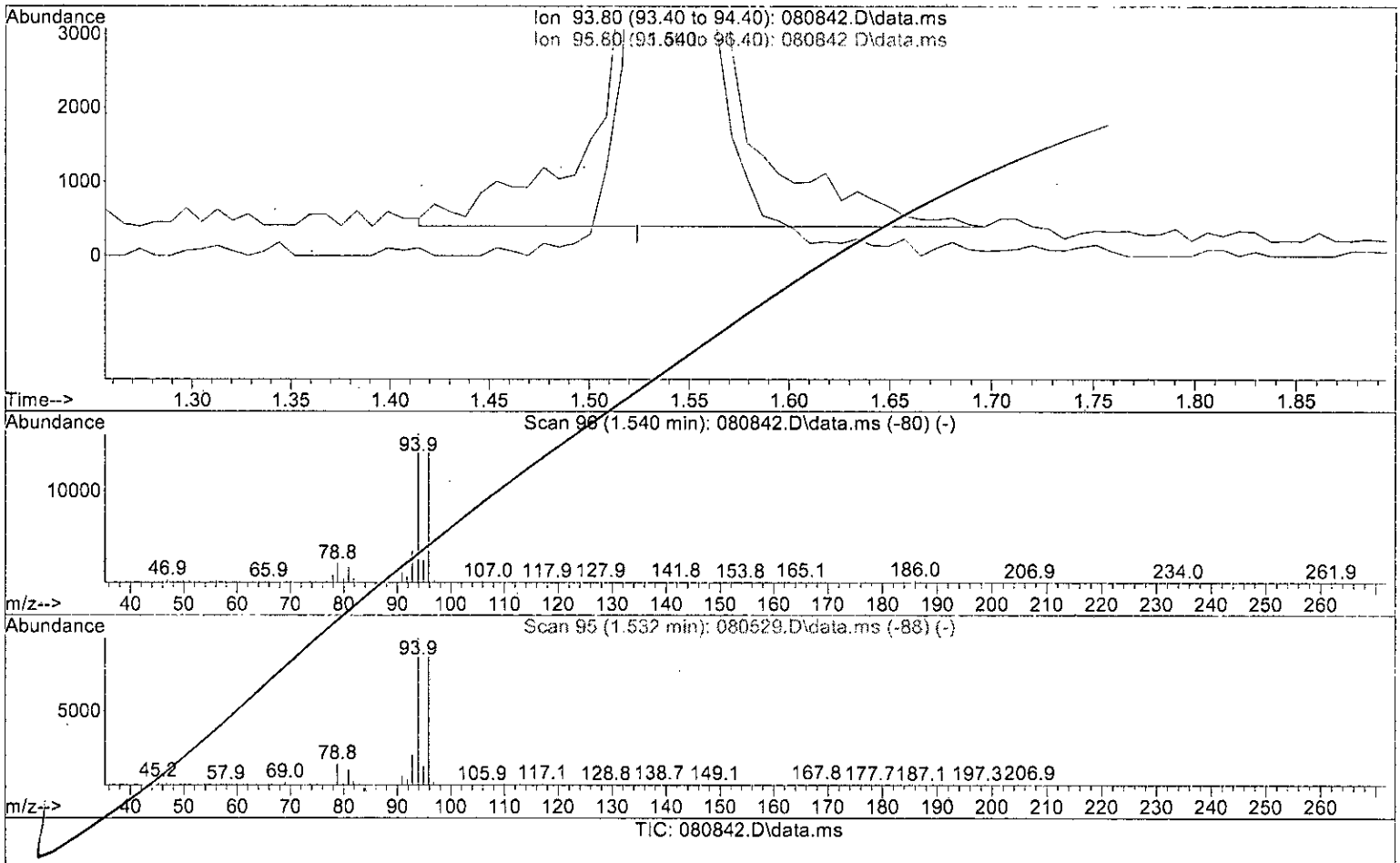




Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:48 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



(7) Bromomethane (TMP)

1.540min (+ 0.016) 12.316 ppb

response 39758

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	92.50
0.00	0.00	0.00
0.00	0.00	0.00

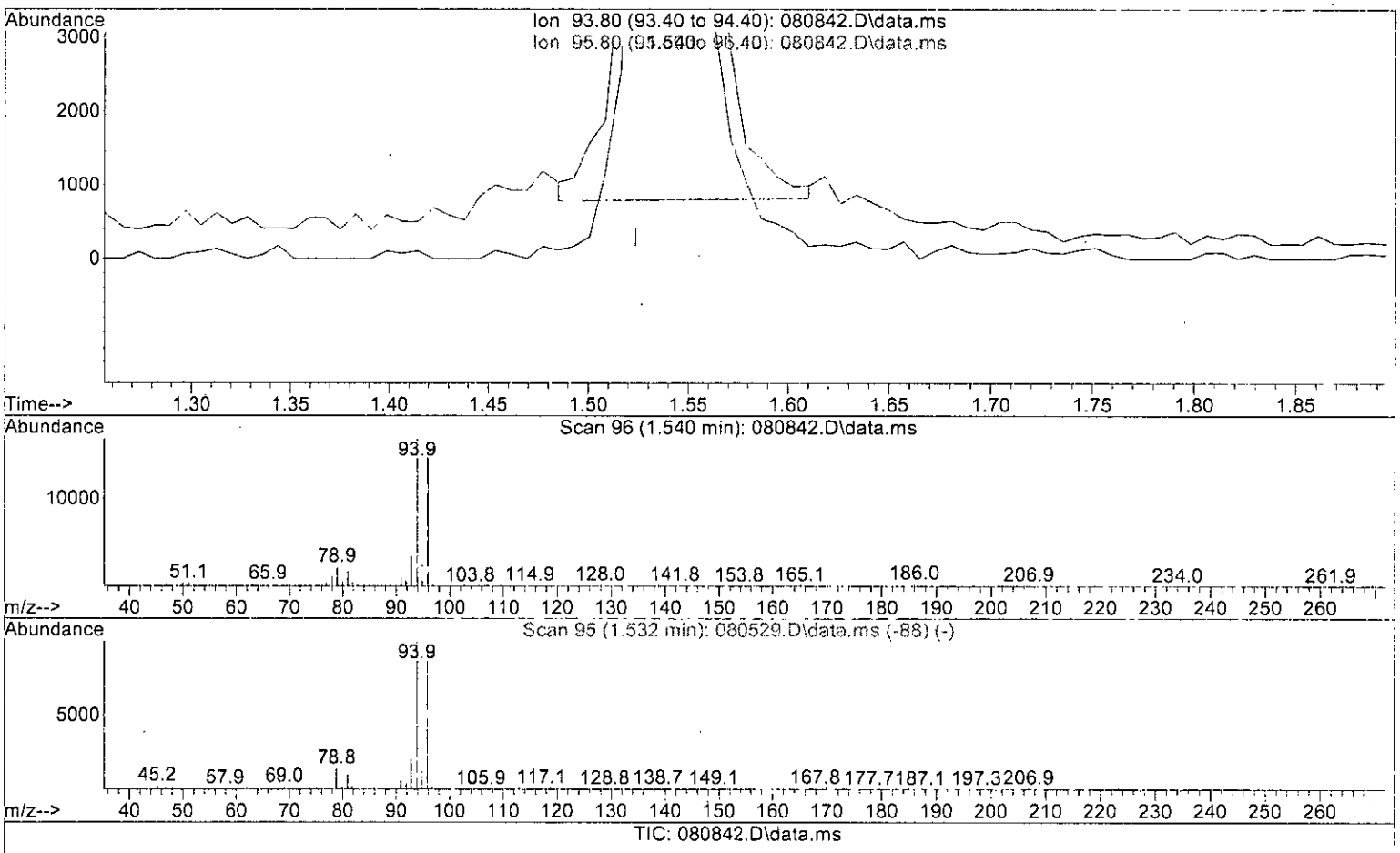
VM

AUG 10 2022

Quantitation Report (Qedit)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:48 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 080842.D\data.ms

(7) Bromomethane (TMP)

1.540min (+ 0.016) 10.380 ppb m

response 33508

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	90.72
0.00	0.00	0.00
0.00	0.00	0.00

VM

AUG 10 2022

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.64	96	68215	10.000	ppb		0.02
39) Chlorobenzene-d5	7.28	117	50991	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	29019	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.09	113	19467	10.422	ppb		0.02
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.20%				
30) 1,2-Dichloroethane-d4	4.36	102	4082	10.093	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 100.90%				
35) Toluene-d8	5.98	98	63498	9.679	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 96.80%				
57) 4-Bromofluorobenzene	8.38	95	24011	10.014	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.10%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	46152	8.253	ppb		100
5) Chloromethane	1.23	50	55339	9.368	ppb		98
6] Vinyl chloride	1.31	62	56550	10.379	ppb		97
7) Bromomethane	1.54	94	33508m	10.380	ppb		
8] Chloroethane	1.60	64	28979	10.515	ppb		92
9) Trichlorofluoromethane	1.78	101	66915	10.246	ppb		97
10) 2-Propanol	2.44	45	87	No Calib			
11) Acetone	2.28	58	14064	84.425	ppb	#	84
12] 1,1-Dichloroethene	2.20	96	19845	10.669	ppb		95
13) Hexane	3.05	57	25065	8.849	ppb		95
14) Methylene chloride	2.61	84	29907	9.912	ppb		92
15) t-Butyl alcohol (TBA)	2.75	59	11090	54.057	ppb		89
16] Methyl t-butyl ether (...	2.85	73	55421	10.785	ppb		98
17] trans-1,2-Dichloroethene	2.84	96	21680	11.019	ppb		94
18) Diisopropyl ether (DIPE)	3.25	45	65356	10.210	ppb		98
19] 1,1-Dichloroethane	3.19	63	39276	10.633	ppb		99
20) Ethyl t-butyl ether (E...	3.56	87	23107	10.278	ppb		88
21) 2,2-Dichloropropane	3.67	77	19701	9.640	ppb		99
22] cis-1,2-Dichloroethene	3.68	96	22718	10.848	ppb		98
23) Chloroform	3.95	83	35020	10.457	ppb		95
24) 2-Butanone (MEK)	3.71	43	57012	68.235	ppb		98
25) t-Amyl methyl ether (T...	4.50	73	53382	10.803	ppb		98
26] 1,2-Dichloroethane (EDC)	4.42	62	28311	10.595	ppb		98
27] 1,1,1-Trichloroethane	4.09	97	33457	10.895	ppb		95

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) 1,1-Dichloropropene	4.23	75	26858	10.585	ppb	98
29) Carbon tetrachloride	4.22	117	28261	10.611	ppb	98
31] Benzene	4.39	78	77276	10.645	ppb	96
32] Trichloroethene	4.94	95	22287	10.696	ppb	94
33) 1,2-Dichloropropane	5.14	63	19317	9.856	ppb	97
34) Bromodichloromethane	5.37	83	23749	9.977	ppb	99
36) Dibromomethane	5.24	93	11676	10.303	ppb	96
37) 4-Methyl-2-pentanone	5.91	85	14289	51.399	ppb	99
38) cis-1,3-Dichloropropene	5.76	75	27288	10.162	ppb	98
40] Toluene	6.04	92	47015	10.778	ppb	95
41) trans-1,3-Dichloropropene	6.26	75	23477	9.965	ppb	99
42] 1,1,2-Trichloroethane	6.41	83	13361	10.470	ppb	85
43) 2-Hexanone	6.65	43	71696	58.873	ppb	99
44) 1,3-Dichloropropane	6.57	76	24133	10.655	ppb	98
45] Tetrachloroethene	6.52	164	19234	10.811	ppb	93
46) Dibromochloromethane	6.76	129	18434	10.740	ppb	100
47] 1,2-Dibromoethane (EDB)	6.85	107	16776	10.480	ppb	96
48) Chlorobenzene	7.30	112	52377	10.517	ppb	97
49] Ethylbenzene	7.41	91	89476	10.962	ppb	90
50) 1,1,1,2-Tetrachloroethane	7.38	131	19376	10.791	ppb	97
51] m,p-Xylene	7.52	106	68890	21.768	ppb	90
52] o-Xylene	7.88	106	35252	11.224	ppb	91
53) Styrene	7.90	104	54585	10.817	ppb	98
54) Isopropylbenzene	8.23	105	88771	10.818	ppb	98
55) Bromoform	8.08	173	12419	10.675	ppb	95
58) n-Propylbenzene	8.63	91	100097	10.844	ppb	96
59) Bromobenzene	8.52	156	25252	11.002	ppb	100
60) 1,3,5-Trimethylbenzene	8.80	105	74825	10.936	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.54	83	20314	10.801	ppb	95
62) 1,2,3-Trichloropropane	8.57	75	15133	11.453	ppb	94
63) 2-Chlorotoluene	8.70	91	59918	10.961	ppb	98
64) 4-Chlorotoluene	8.81	91	69946	11.063	ppb	97
65) tert-Butylbenzene	9.11	119	66228	10.835	ppb	96
66) 1,2,4-Trimethylbenzene	9.16	105	77079	10.946	ppb	98
67) sec-Butylbenzene	9.32	105	98157	10.994	ppb	100
68) p-Isopropyltoluene	9.47	119	85660	11.099	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	47916	11.107	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	46843	11.138	ppb	99
71) 1,2-Dichlorobenzene	9.87	146	46659	11.062	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	3651	10.800	ppb	87
73) 1,2,4-Trichlorobenzene	11.44	180	36403	11.394	ppb	98

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

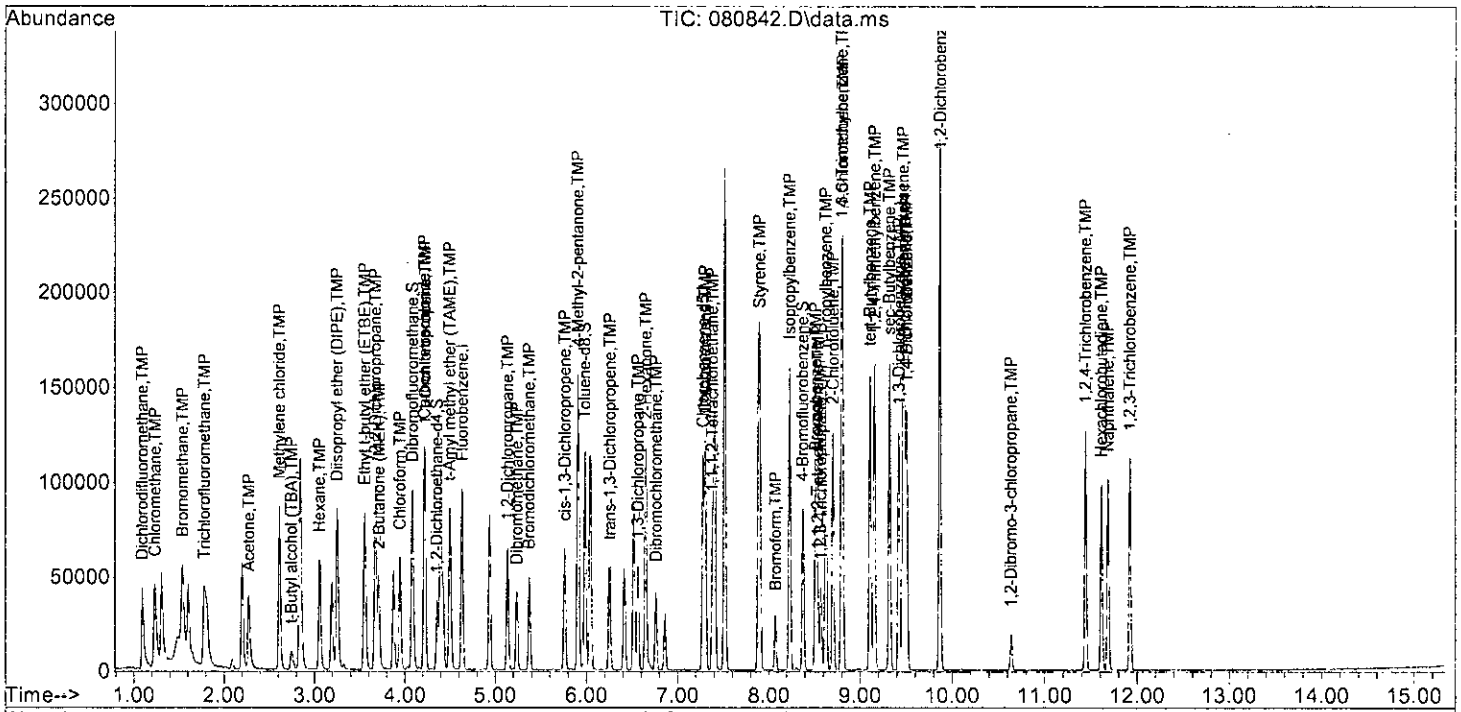
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	19254	10.937	ppb	98
75) Naphthalene	11.69	128	70145	11.468	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	32310	11.288	ppb	99

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

Quantitation Report (QT Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	94	0.02
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.422	-4.2	98	0.02
4	TMP	Dichlorodifluoromethane	10.000	8.253	17.5	75	0.00
5	TMP	Chloromethane	10.000	9.368	6.3	86	0.02
6	TMP	Vinyl chloride	10.000	10.379	-3.8	92	0.02
7	TMP	Bromomethane	10.000	10.380	-3.8	97	0.02
8	TMP	Chloroethane	10.000	10.515	-5.2	93	0.02
9	TMP	Trichlorofluoromethane	10.000	10.246	-2.5	96	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.05
11	TMP	Acetone	50.000	84.425	-68.8#	157	0.02
12	TMP	1,1-Dichloroethene	10.000	10.669	-6.7	98	0.02
13	TMP	Hexane	10.000	8.849	11.5	80	0.02
14	TMP	Methylene chloride	10.000	9.912	0.9	96	0.02
15	TMP	t-Butyl alcohol (TBA)	50.000	54.057	-8.1	97	0.02
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.785	-7.9	97	0.02
17	TMP	trans-1,2-Dichloroethene	10.000	11.019	-10.2	97	0.02
18	TMP	Diisopropyl ether (DIPE)	10.000	10.210	-2.1	95	0.02
19	TMP	1,1-Dichloroethane	10.000	10.633	-6.3	98	0.02
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.278	-2.8	92	0.02
21	TMP	2,2-Dichloropropane	10.000	9.640	3.6	90	0.02
22	TMP	cis-1,2-Dichloroethene	10.000	10.848	-8.5	99	0.02
23	TMP	Chloroform	10.000	10.457	-4.6	95	0.00
24	TMP	2-Butanone (MEK)	50.000	68.235	-36.5#	126	0.02
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.803	-8.0	97	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.595	-6.0	95	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.895	-8.9	99	0.02
28	TMP	1,1-Dichloropropene	10.000	10.585	-5.9	97	0.02
29	TMP	Carbon tetrachloride	10.000	10.611	-6.1	98	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.093	-0.9	93	0.00
31	TMP	Benzene	10.000	10.645	-6.4	95	0.00
32	TMP	Trichloroethene	10.000	10.696	-7.0	96	0.00
33	TMP	1,2-Dichloropropane	10.000	9.856	1.4	92	0.00
34	TMP	Bromodichloromethane	10.000	9.977	0.2	94	0.00
35	S	Toluene-d8	10.000	9.679	3.2	91	0.00
36	TMP	Dibromomethane	10.000	10.303	-3.0	97	0.00
37	TMP	4-Methyl-2-pentanone	50.000	51.399	-2.8	93	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	10.000	10.162	-1.6	91	0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	91	0.00
40	TMP	Toluene	10.000	10.778	-7.8	93	0.01
41	TMP	trans-1,3-Dichloropropene	10.000	9.965	0.4	90	0.01
42	TMP	1,1,2-Trichloroethane	10.000	10.470	-4.7	91	0.01
43	TMP	2-Hexanone	50.000	58.873	-17.7	103	0.01
44	TMP	1,3-Dichloropropane	10.000	10.655	-6.5	94	0.01
45	TMP	Tetrachloroethene	10.000	10.811	-8.1	91	0.01
46	TMP	Dibromochloromethane	10.000	10.740	-7.4	91	0.01
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.480	-4.8	93	0.00
48	TMP	Chlorobenzene	10.000	10.517	-5.2	92	0.00
49	TMP	Ethylbenzene	10.000	10.962	-9.6	94	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.791	-7.9	95	0.00
51	TMP	m,p-Xylene	20.000	21.768	-8.8	93	0.00
52	TMP	o-Xylene	10.000	11.224	-12.2	97	0.00
53	TMP	Styrene	10.000	10.817	-8.2	94	0.00
54	TMP	Isopropylbenzene	10.000	10.818	-8.2	96	0.00
55	TMP	Bromoform	10.000	10.675	-6.8	96	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	90	0.00
57	S	4-Bromofluorobenzene	10.000	10.014	-0.1	90	0.00
58	TMP	n-Propylbenzene	10.000	10.844	-8.4	93	0.00
59	TMP	Bromobenzene	10.000	11.002	-10.0	94	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.936	-9.4	95	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.801	-8.0	94	0.00
62	TMP	1,2,3-Trichloropropane	10.000	11.453	-14.5	95	0.00
63	TMP	2-Chlorotoluene	10.000	10.961	-9.6	95	0.00
64	TMP	4-Chlorotoluene	10.000	11.063	-10.6	94	0.00
65	TMP	tert-Butylbenzene	10.000	10.835	-8.4	93	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.946	-9.5	96	0.00
67	TMP	sec-Butylbenzene	10.000	10.994	-9.9	95	0.00
68	TMP	p-Isopropyltoluene	10.000	11.099	-11.0	96	0.00
69	TMP	1,3-Dichlorobenzene	10.000	11.107	-11.1	94	0.00
70	TMP	1,4-Dichlorobenzene	10.000	11.138	-11.4	96	0.00
71	TMP	1,2-Dichlorobenzene	10.000	11.062	-10.6	95	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.800	-8.0	101	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	10.000	11.394	-13.9	99	0.00
74 TMP	Hexachlorobutadiene	10.000	10.937	-9.4	93	0.00
75 TMP	Naphthalene	10.000	11.468	-14.7	102	0.00
76 TMP	1,2,3-Trichlorobenzene	10.000	11.288	-12.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	94	0.02
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.285	-4.0	98	0.02
4	TMP	Dichlorodifluoromethane	0.820	0.677	17.4	75	0.00
5	TMP	Chloromethane	0.866	0.811	6.4	86	0.02
6	TMP	Vinyl chloride	0.799	0.829	-3.8	92	0.02
7	TMP	Bromomethane	0.473	0.491	-3.8	97	0.02
8	TMP	Chloroethane	0.404	0.425	-5.2	93	0.02
9	TMP	Trichlorofluoromethane	0.957	0.981	-2.5	96	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.05
11	TMP	Acetone	0.025	0.041	-64.0#	157	0.02
12	TMP	1,1-Dichloroethene	0.273	0.291	-6.6	98	0.02
13	TMP	Hexane	0.415	0.367	11.6	80	0.02
14	TMP	Methylene chloride	0.362	0.438	-21.0#	96	0.02
15	TMP	t-Butyl alcohol (TBA)	0.030	0.033	-10.0	97	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.812	-7.8	97	0.02
17	TMP	trans-1,2-Dichloroethene	0.315	0.318	-1.0	97	0.02
18	TMP	Diisopropyl ether (DIPE)	0.938	0.958	-2.1	95	0.02
19	TMP	1,1-Dichloroethane	0.541	0.576	-6.5	98	0.02
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.339	-2.7	92	0.02
21	TMP	2,2-Dichloropropane	0.319	0.289	9.4	90	0.02
22	TMP	cis-1,2-Dichloroethene	0.325	0.333	-2.5	99	0.02
23	TMP	Chloroform	0.491	0.513	-4.5	95	0.00
24	TMP	2-Butanone (MEK)	0.131	0.167	-27.5#	126	0.02
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.783	-8.1	97	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.415	9.2	95	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.490	-8.9	99	0.02
28	TMP	1,1-Dichloropropene	0.372	0.394	-5.9	97	0.02
29	TMP	Carbon tetrachloride	0.390	0.414	-6.2	98	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.060	-1.7	93	0.00
31	TMP	Benzene	1.115	1.133	-1.6	95	0.00
32	TMP	Trichloroethene	0.327	0.327	0.0	96	0.00
33	TMP	1,2-Dichloropropane	0.287	0.283	1.4	92	0.00
34	TMP	Bromodichloromethane	0.349	0.348	0.3	94	0.00
35	S	Toluene-d8	0.962	0.931	3.2	91	0.00
36	TMP	Dibromomethane	0.166	0.171	-3.0	97	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.042	-2.4	93	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
38	TMP	cis-1,3-Dichloropropene	0.394	0.400	-1.5	91	0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
40	TMP	Toluene	1.046	0.922	11.9	93	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.460	0.4	90	0.01
42	TMP	1,1,2-Trichloroethane	0.250	0.262	-4.8	91	0.01
43	TMP	2-Hexanone	0.239	0.281	-17.6	103	0.01
44	TMP	1,3-Dichloropropane	0.444	0.473	-6.5	94	0.01
45	TMP	Tetrachloroethene	0.421	0.377	10.5	91	0.01
46	TMP	Dibromochloromethane	0.337	0.362	-7.4	91	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.329	-4.8	93	0.00
48	TMP	Chlorobenzene	0.977	1.027	-5.1	92	0.00
49	TMP	Ethylbenzene	1.708	1.755	-2.8	94	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.380	-8.0	95	0.00
51	TMP	m,p-Xylene	0.670	0.676	-0.9	93	0.00
52	TMP	o-Xylene	0.661	0.691	-4.5	97	0.00
53	TMP	Styrene	0.990	1.070	-8.1	94	0.00
54	TMP	Isopropylbenzene	1.609	1.741	-8.2	96	0.00
55	TMP	Bromoform	0.228	0.244	-7.0	96	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
57	S	4-Bromofluorobenzene	0.826	0.827	-0.1	90	0.00
58	TMP	n-Propylbenzene	3.181	3.449	-8.4	93	0.00
59	TMP	Bromobenzene	0.791	0.870	-10.0	94	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.578	-9.3	95	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.700	-8.0	94	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.521	-14.5	95	0.00
63	TMP	2-Chlorotoluene	1.884	2.065	-9.6	95	0.00
64	TMP	4-Chlorotoluene	2.179	2.410	-10.6	94	0.00
65	TMP	tert-Butylbenzene	2.106	2.282	-8.4	93	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.656	-9.4	96	0.00
67	TMP	sec-Butylbenzene	3.077	3.383	-9.9	95	0.00
68	TMP	p-Isopropyltoluene	2.660	2.952	-11.0	96	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.651	-11.0	94	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.614	-11.4	96	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.608	-10.6	95	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.126	-8.6	101	0.00

Evaluate Continuing Calibration Report

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080842.D
Acq On : 09 Aug 2022 12:12 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:35:45 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
73 TMP	1,2,4-Trichlorobenzene	1.101	1.254	-13.9	99	0.00
74 TMP	Hexachlorobutadiene	0.607	0.663	-9.2	93	0.00
75 TMP	Naphthalene	2.108	2.417	-14.7	102	0.00
76 TMP	1,2,3-Trichlorobenzene	0.986	1.113	-12.9	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080843.D
Acq On : 09 Aug 2022 12:34 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	67834	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	51434	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	29322	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	19816	10.669 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.70%		
30) 1,2-Dichloroethane-d4	4.36	102	3791	9.426 ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 94.30%		
35) Toluene-d8	5.98	98	62953	9.650 ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 96.50%		
57) 4-Bromofluorobenzene	8.38	95	24787	10.231 ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 102.30%		
Target Compounds					Qvalue
2) Ethanol	1.87	45	59	No Calib	
4) Dichlorodifluoromethane	1.09	85	251	0.045 ppb #	41
5) Chloromethane	1.23	50	963	0.164 ppb	91
6] Vinyl chloride	1.29	62	732	0.135 ppb	82
7) Bromomethane	1.55	94	822	0.256 ppb #	27
8] Chloroethane	1.59	64	366	0.134 ppb #	1
9) Trichlorofluoromethane	1.77	101	82	0.013 ppb #	11
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	2.27	58	193	Below Cal #	32
12] 1,1-Dichloroethene	2.19	96	115	0.062 ppb	99
13) Hexane	3.05	57	524	0.186 ppb	64
14) Methylene chloride	2.61	84	24792	7.502 ppb	95
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17] trans-1,2-Dichloroethene	2.83	96	231	0.105 ppb	97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19] 1,1-Dichloroethane	3.18	63	96	0.026 ppb	98
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	3.75	77	60	Below Cal	48
22] cis-1,2-Dichloroethene	3.67	96	167	0.071 ppb	97
23) Chloroform	3.95	83	7867	2.362 ppb	99
24) 2-Butanone (MEK)	3.72	43	335	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26] 1,2-Dichloroethane (EDC)	4.42	62	268	0.076 ppb	97
27] 1,1,1-Trichloroethane	4.08	97	61	0.020 ppb	97

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080843.D
Acq On : 09 Aug 2022 12:34 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) 1,1-Dichloropropene	4.22	75	176	0.070	ppb		71
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.39	78	360	0.043	ppb		98
32] Trichloroethene	4.94	95	203	0.087	ppb		94
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	5.37	83	109	0.046	ppb	#	62
36) Dibromomethane	5.23	93	139	0.123	ppb	#	80
37) 4-Methyl-2-pentanone	0.00		0	N.D.			
38) cis-1,3-Dichloropropene	5.76	75	311	0.116	ppb	#	76
40] Toluene	6.04	92	442	0.033	ppb		92
41) trans-1,3-Dichloropropene	6.25	75	331	0.139	ppb		71
42] 1,1,2-Trichloroethane	6.40	83	74	0.057	ppb		88
43) 2-Hexanone	6.65	43	545	0.444	ppb		71
44) 1,3-Dichloropropane	6.55	76	167	0.073	ppb		63
45] Tetrachloroethene	6.51	164	200	0.080	ppb		97
46) Dibromochloromethane	6.76	129	77	0.044	ppb	#	12
47] 1,2-Dibromoethane (EDB)	6.85	107	228	0.141	ppb		93
48) Chlorobenzene	7.30	112	485	0.097	ppb		80
49] Ethylbenzene	7.41	91	687	0.073	ppb		88
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.52	106	568	0.154	ppb		94
52] o-Xylene	7.88	106	208	0.055	ppb		95
53) Styrene	7.91	104	500	0.098	ppb		98
54) Isopropylbenzene	8.23	105	656	0.079	ppb		83
55) Bromoform	8.07	173	99	0.084	ppb	#	35
58) n-Propylbenzene	8.63	91	1114	0.119	ppb		93
59) Bromobenzene	8.52	156	320	0.138	ppb		90
60) 1,3,5-Trimethylbenzene	8.80	105	762	0.110	ppb		94
61) 1,1,2,2-Tetrachloroethane	8.53	83	78	0.041	ppb	#	24
62) 1,2,3-Trichloropropane	8.57	75	120	0.090	ppb	#	49
63) 2-Chlorotoluene	8.70	91	603	0.109	ppb		90
64) 4-Chlorotoluene	8.81	91	970	0.152	ppb		88
65) tert-Butylbenzene	9.11	119	661	0.107	ppb		68
66) 1,2,4-Trimethylbenzene	9.15	105	916	0.129	ppb		98
67) sec-Butylbenzene	9.32	105	1201	0.133	ppb		98
68) p-Isopropyltoluene	9.47	119	1115	0.143	ppb		96
69) 1,3-Dichlorobenzene	9.42	146	781	0.179	ppb		84
70) 1,4-Dichlorobenzene	9.51	146	839	0.197	ppb		96
71) 1,2-Dichlorobenzene	9.87	146	687	0.161	ppb		93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.44	180	1159	0.359	ppb		93

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080843.D
Acq On : 09 Aug 2022 12:34 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

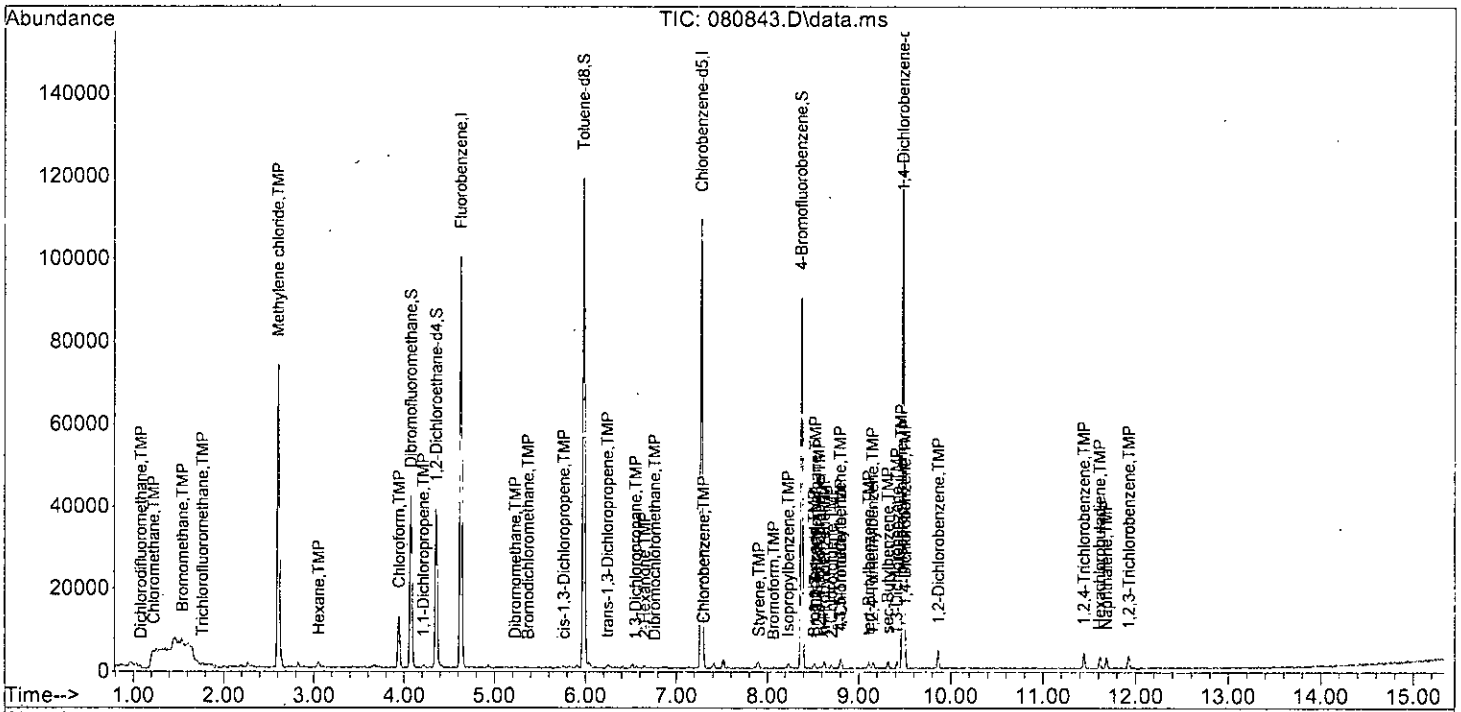
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	712	0.400	ppb	94
75) Naphthalene	11.69	128	1981	0.321	ppb	96
76) 1,2,3-Trichlorobenzene	11.93	180	1011	0.350	ppb	90

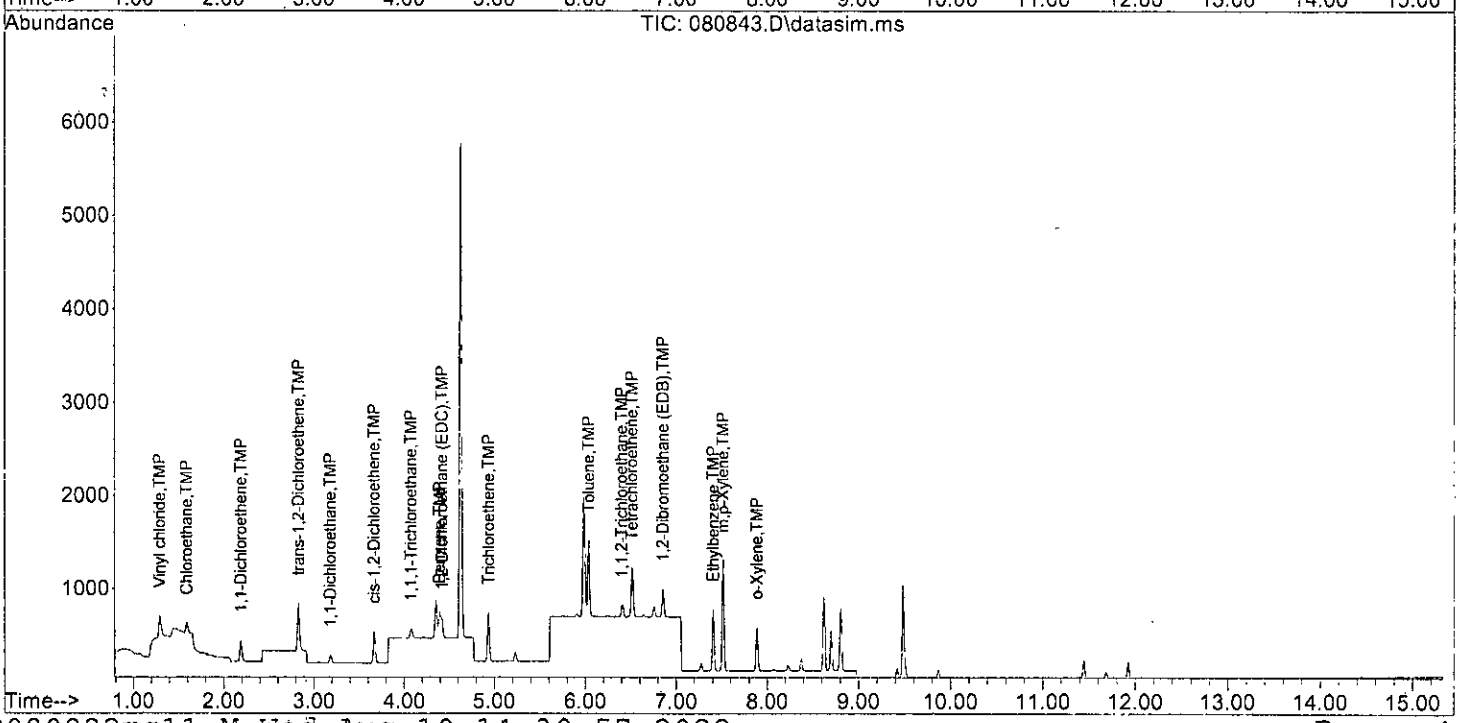
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080843.D
Acq On : 09 Aug 2022 12:34 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:53 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080844.D
Acq On : 09 Aug 2022 12:56 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:57 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	527	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	538	10.000	ppb	#	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	482	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	67	4.643	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	46.40%#			
30) 1,2-Dichloroethane-d4	0.00	102	0	0.000	ppb		
Spiked Amount 10.000	Range 78 - 126		Recovery =	0.00%#			
35) Toluene-d8	5.98	98	505	9.964	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery =	99.60%			
57) 4-Bromofluorobenzene	8.38	95	314	7.884	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery =	78.80%			
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.23	50	293	6.420	ppb	#	1
6] Vinyl chloride	1.29	62	672	15.964	ppb		77
7) Bromomethane	1.52	94	432	17.322	ppb	#	36
8] Chloroethane	1.59	64	340	15.968	ppb	#	1
9) Trichlorofluoromethane	1.77	101	247	4.895	ppb		67
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.27	58	97	75.134	ppb	#	1
12] 1,1-Dichloroethene	2.19	96	73	5.080	ppb		92
13) Hexane	3.05	57	345	15.766	ppb		67
14) Methylene chloride	2.61	84	24435	Below Cal			98
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.83	96	148	9.736	ppb		96
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19] 1,1-Dichloroethane	3.18	63	53	1.857	ppb		99
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22] cis-1,2-Dichloroethene	3.67	96	106	6.548	ppb		96
23) Chloroform	3.95	83	7956	307.506	ppb		100
24) 2-Butanone (MEK)	3.74	43	85	12.803	ppb		59
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.42	62	142	6.870	ppb		97
27) 1,1,1-Trichloroethane	0.00		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080844.D
Acq On : 09 Aug 2022 12:56 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:57 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28)	1,1-Dichloropropene	4.22	75	157	8.009	ppb	#	39
29)	Carbon tetrachloride	0.00		0	N.D.			
31]	Benzene	4.39	78	215	3.829	ppb		93
32]	Trichloroethene	4.93	95	125	7.762	ppb		80
33)	1,2-Dichloropropane	0.00		0	N.D.			
34)	Bromodichloromethane	5.37	83	109	5.927	ppb	#	26
36)	Dibromomethane	5.24	93	57	6.510	ppb		91
37)	4-Methyl-2-pentanone	0.00		0	N.D.			
38)	cis-1,3-Dichloropropene	5.76	75	143	6.893	ppb		85
40]	Toluene	6.04	92	195	4.195	ppb		93
41)	trans-1,3-Dichloropropene	6.25	75	169	6.799	ppb	#	38
42)	1,1,2-Trichloroethane	0.00		0	N.D.			
43)	2-Hexanone	6.65	43	218	16.966	ppb	#	38
44)	1,3-Dichloropropane	0.00		0	N.D.			
45]	Tetrachloroethene	6.51	164	122	6.486	ppb		98
46)	Dibromochloromethane	0.00		0	N.D.			
47]	1,2-Dibromoethane (EDB)	6.85	107	135	7.993	ppb		97
48)	Chlorobenzene	7.30	112	188	3.578	ppb	#	49
49]	Ethylbenzene	7.41	91	365	4.232	ppb		88
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51]	m,p-Xylene	7.52	106	300	8.970	ppb		94
52]	o-Xylene	7.88	106	107	3.221	ppb		98
53)	Styrene	7.90	104	296	5.560	ppb		69
54)	Isopropylbenzene	8.23	105	311	3.592	ppb		84
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	8.63	91	537	3.502	ppb		77
59)	Bromobenzene	8.52	156	130	3.410	ppb	#	54
60)	1,3,5-Trimethylbenzene	8.79	105	514	4.523	ppb		60
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62)	1,2,3-Trichloropropane	8.38	75	137	6.243	ppb	#	44
63)	2-Chlorotoluene	8.81	91	396	4.361	ppb		77
64)	4-Chlorotoluene	8.81	91	396	3.771	ppb		79
65)	tert-Butylbenzene	9.10	119	259	2.551	ppb		75
66)	1,2,4-Trimethylbenzene	9.16	105	447	3.822	ppb		64
67)	sec-Butylbenzene	9.32	105	536	3.614	ppb		90
68)	p-Isopropyltoluene	9.46	119	440	3.432	ppb		74
69)	1,3-Dichlorobenzene	9.42	146	411	5.736	ppb		82
70)	1,4-Dichlorobenzene	9.51	146	456	6.528	ppb		93
71)	1,2-Dichlorobenzene	9.86	146	280	3.997	ppb		86
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	11.44	180	513	9.667	ppb		96

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080844.D
Acq On : 09 Aug 2022 12:56 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:57 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

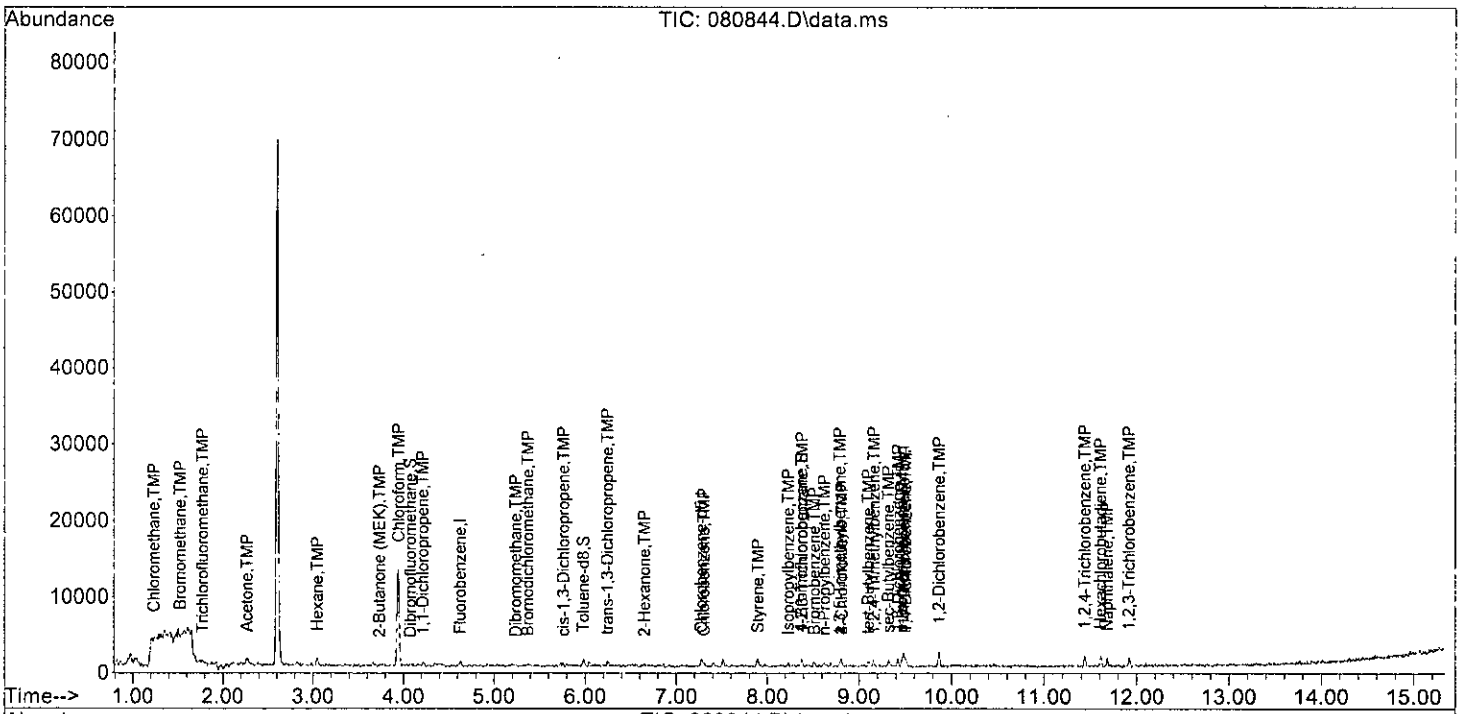
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	341	11.662	ppb	78
75) Naphthalene	11.68	128	796	7.835	ppb	93
76) 1,2,3-Trichlorobenzene	11.92	180	418	8.792	ppb	88

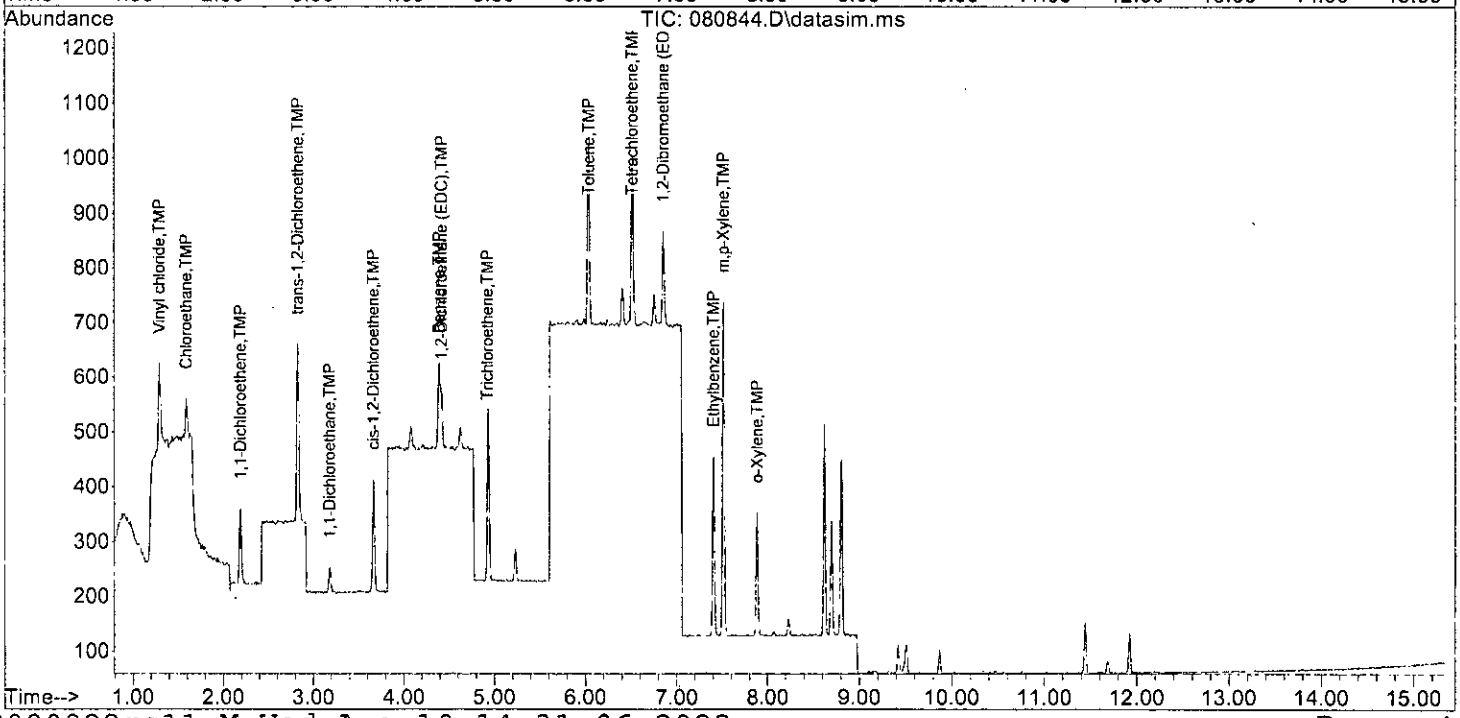
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080844.D
Acq On : 09 Aug 2022 12:56 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:30:57 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080845.D
Acq On : 09 Aug 2022 01:18 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:01 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	63969	10.000 ppb		0.02
39) Chlorobenzene-d5	7.28	117	48925	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	27429	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	18213	10.398 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.00%			
30) 1,2-Dichloroethane-d4	4.36	102	3763	9.922 ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 99.20%			
35) Toluene-d8	5.98	98	59263	9.633 ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 96.30%			
57) 4-Bromofluorobenzene	8.38	95	22990	10.144 ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 101.40%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	206	0.039 ppb		89
5) Chloromethane	1.21	50	297	0.054 ppb		93
6] Vinyl chloride	1.31	62	220	0.043 ppb		97
7) Bromomethane	1.52	94	487	0.161 ppb	#	44
8] Chloroethane	1.60	64	246	0.095 ppb	#	1
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.27	58	130	Below Cal	#	1
12] 1,1-Dichloroethene	2.20	96	55	0.032 ppb		88
13) Hexane	3.05	57	262	0.099 ppb		90
14) Methylene chloride	2.61	84	25501	8.597 ppb		90
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17] trans-1,2-Dichloroethene	2.84	96	122	0.053 ppb		95
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.70	77	55	Below Cal		48
22] cis-1,2-Dichloroethene	3.68	96	87	0.035 ppb		94
23) Chloroform	3.95	83	7583	2.415 ppb		100
24) 2-Butanone (MEK)	3.71	43	109	Below Cal		59
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.42	62	165	0.041 ppb		97
27) 1,1,1-Trichloroethane	0.00		0	N.D.		

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080845.D
Acq On : 09 Aug 2022 01:18 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:01 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) 1,1-Dichloropropene	4.22	75	93	0.039	ppb	#	39
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.39	78	181	0.019	ppb		94
32] Trichloroethene	4.94	95	112	0.047	ppb		91
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	5.37	83	62	0.028	ppb	#	47
36) Dibromomethane	0.00		0	N.D.			
37) 4-Methyl-2-pentanone	0.00		0	N.D.			
38) cis-1,3-Dichloropropene	0.00		0	N.D.			
40) Toluene	6.04	92	315	N.D.			
41) trans-1,3-Dichloropropene	0.00		0	N.D.			
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	6.65	43	260	0.223	ppb	#	38
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.51	164	125	0.042	ppb		96
46) Dibromochloromethane	0.00		0	N.D.			
47] 1,2-Dibromoethane (EDB)	6.85	107	131	0.085	ppb		95
48) Chlorobenzene	7.31	112	402	0.084	ppb	#	66
49] Ethylbenzene	7.41	91	444	0.047	ppb		88
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.52	106	369	0.098	ppb		89
52] o-Xylene	7.88	106	131	0.033	ppb		94
53) Styrene	7.91	104	327	0.068	ppb		91
54) Isopropylbenzene	8.23	105	442	0.056	ppb		90
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	642	0.074	ppb		71
59) Bromobenzene	8.52	156	194	0.089	ppb		86
60) 1,3,5-Trimethylbenzene	8.80	105	466	0.072	ppb		76
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	8.38	75	10879	8.711	ppb	#	45
63) 2-Chlorotoluene	8.70	91	503	0.097	ppb		97
64) 4-Chlorotoluene	8.81	91	583	0.098	ppb		89
65) tert-Butylbenzene	9.11	119	275	0.048	ppb		80
66) 1,2,4-Trimethylbenzene	9.16	105	478	0.072	ppb		93
67) sec-Butylbenzene	9.32	105	643	0.076	ppb		99
68) p-Isopropyltoluene	9.47	119	617	0.085	ppb		95
69) 1,3-Dichlorobenzene	9.42	146	504	0.124	ppb		85
70) 1,4-Dichlorobenzene	9.51	146	595	0.150	ppb		90
71) 1,2-Dichlorobenzene	9.86	146	410	0.103	ppb		93
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.44	180	711	0.235	ppb		98

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080845.D
Acq On : 09 Aug 2022 01:18 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:01 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

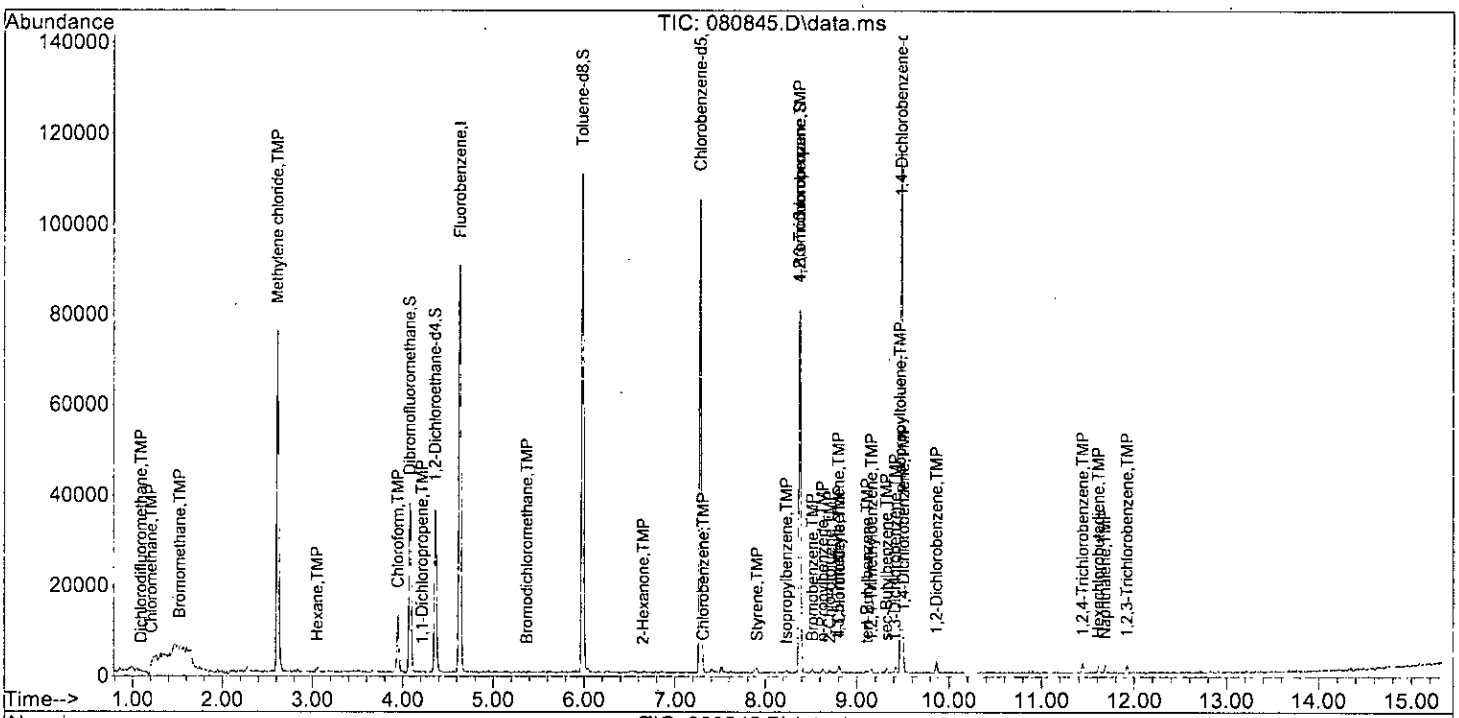
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.61	225	408	0.245	ppb	87
75) Naphthalene	11.68	128	1260	0.218	ppb	90
76) 1,2,3-Trichlorobenzene	11.92	180	602	0.223	ppb	84

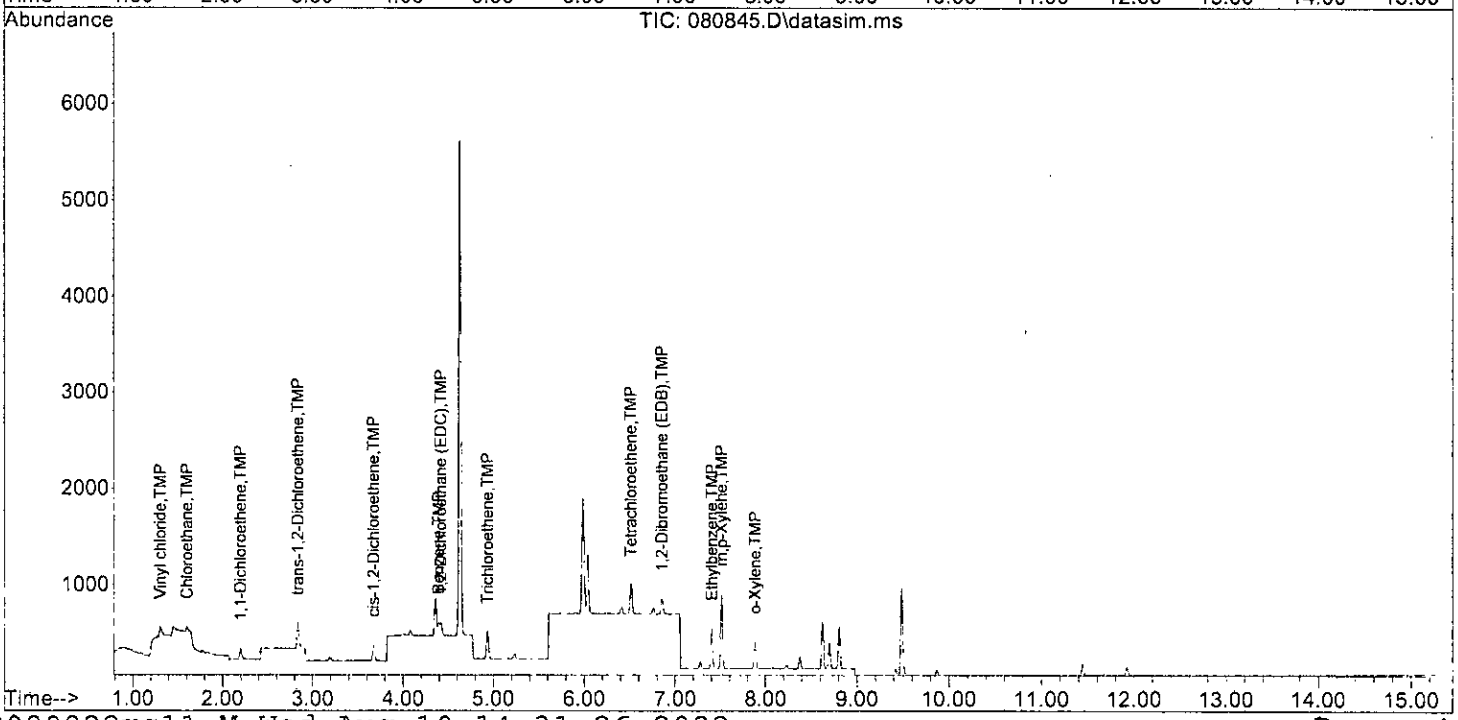
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080845.D
Acq On : 09 Aug 2022 01:18 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:01 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080846.D
Acq On : 09 Aug 2022 01:40 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:06 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	70866	10.000	ppb		0.00
39) Chlorobenzene-d5	7.28	117	49096	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	27620	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	18434	9.500	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 95.00%				
30) 1,2-Dichloroethane-d4	4.36	102	3738	8.896	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 89.00%				
35) Toluene-d8	5.98	98	60466	8.872	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 88.70%				
57) 4-Bromofluorobenzene	8.38	95	23882	10.465	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 104.60%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	126	0.022	ppb	#	41
5) Chloromethane	1.21	50	413	0.067	ppb		79
6] Vinyl chloride	1.29	62	202	0.036	ppb		91
7) Bromomethane	1.52	94	212	0.063	ppb	#	4
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.28	58	181	Below Cal		#	53
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.05	57	247	0.084	ppb		87
14) Methylene chloride	2.61	84	26287	7.682	ppb		92
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.83	96	92	0.032	ppb		94
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.65	77	79	Below Cal			48
22] cis-1,2-Dichloroethene	3.67	96	71	0.024	ppb		94
23) Chloroform	3.94	83	7498	2.155	ppb		94
24) 2-Butanone (MEK)	0.00		0	N.D.			
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.42	62	143	0.026	ppb		96
27) 1,1,1-Trichloroethane	0.00		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080846.D
Acq On : 09 Aug 2022 01:40 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:06 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
28) 1,1-Dichloropropene	4.22	75	91	0.035	ppb	#	1
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.39	78	141	0.011	ppb		93
32] Trichloroethene	4.93	95	86	0.029	ppb		84
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	5.37	83	82	0.033	ppb	#	26
36) Dibromomethane	5.23	93	87	0.074	ppb	#	36
37) 4-Methyl-2-pentanone	0.00		0	N.D.			
38) cis-1,3-Dichloropropene	5.75	75	95	0.034	ppb	#	1
40) Toluene	6.04	92	296	N.D.			
41) trans-1,3-Dichloropropene	6.26	75	163	0.072	ppb		71
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	6.64	43	125	0.107	ppb	#	38
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.51	164	103	0.029	ppb		95
46) Dibromochloromethane	0.00		0	N.D.			
47] 1,2-Dibromoethane (EDB)	6.85	107	98	0.064	ppb		98
48) Chlorobenzene	7.31	112	258	0.054	ppb	#	69
49] Ethylbenzene	7.41	91	334	0.032	ppb		87
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.52	106	284	0.069	ppb		91
52] o-Xylene	7.88	106	100	0.022	ppb		97
53) Styrene	7.91	104	254	0.052	ppb	#	48
54) Isopropylbenzene	8.23	105	325	0.041	ppb		95
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	621	0.071	ppb		74
59) Bromobenzene	8.51	156	142	0.065	ppb	#	81
60) 1,3,5-Trimethylbenzene	8.80	105	300	0.046	ppb		93
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	8.38	75	11104	8.830	ppb	#	45
63) 2-Chlorotoluene	8.70	91	330	0.063	ppb		82
64) 4-Chlorotoluene	8.81	91	453	0.075	ppb		98
65) tert-Butylbenzene	9.10	119	203	0.035	ppb		77
66) 1,2,4-Trimethylbenzene	9.15	105	463	0.069	ppb		81
67) sec-Butylbenzene	9.32	105	385	0.045	ppb		57
68) p-Isopropyltoluene	9.46	119	442	0.060	ppb		93
69) 1,3-Dichlorobenzene	9.42	146	415	0.101	ppb		77
70) 1,4-Dichlorobenzene	9.51	146	422	0.105	ppb		84
71) 1,2-Dichlorobenzene	9.87	146	323	0.080	ppb		86
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.44	180	484	0.159	ppb		99

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080846.D
Acq On : 09 Aug 2022 01:40 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:06 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

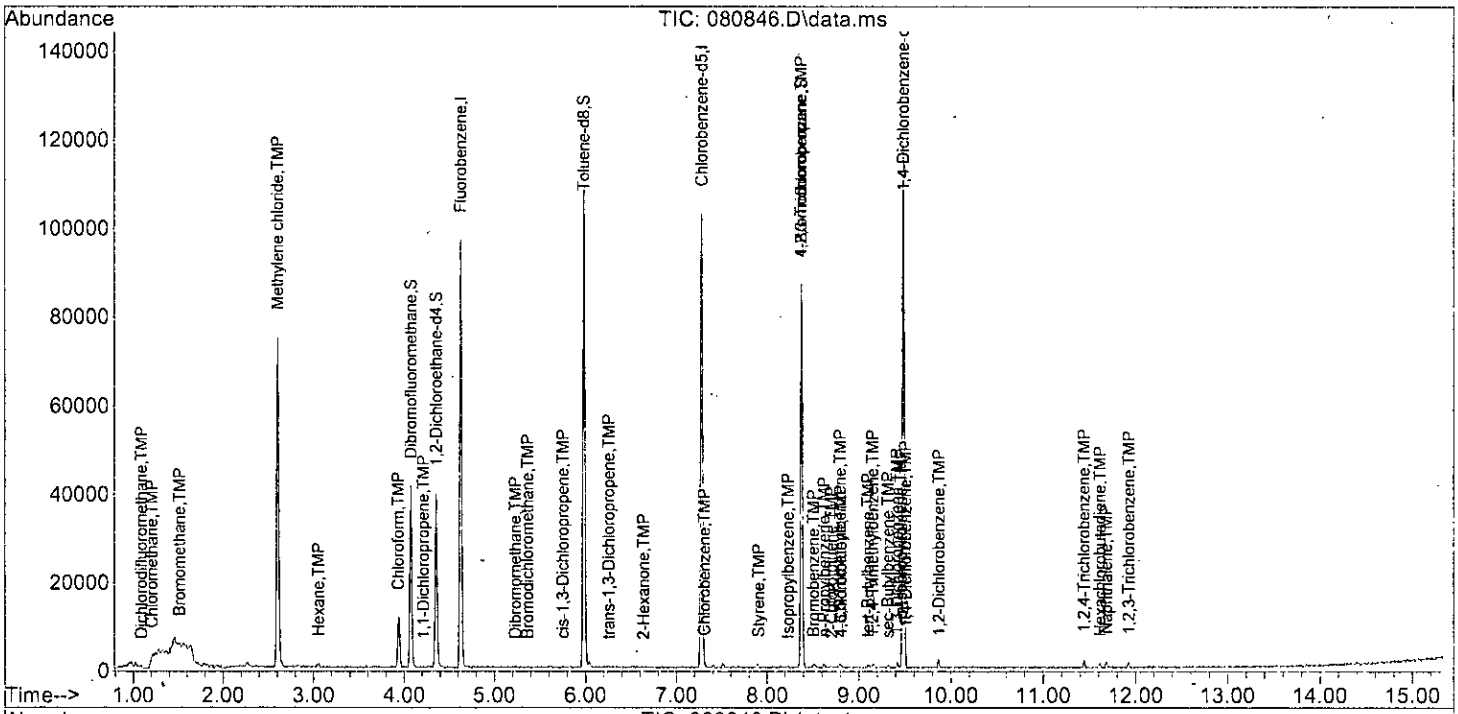
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Hexachlorobutadiene	11.62	225	239	0.143	ppb	78
75) Naphthalene	11.69	128	860	0.148	ppb	87
76) 1,2,3-Trichlorobenzene	11.93	180	388	0.142	ppb	89

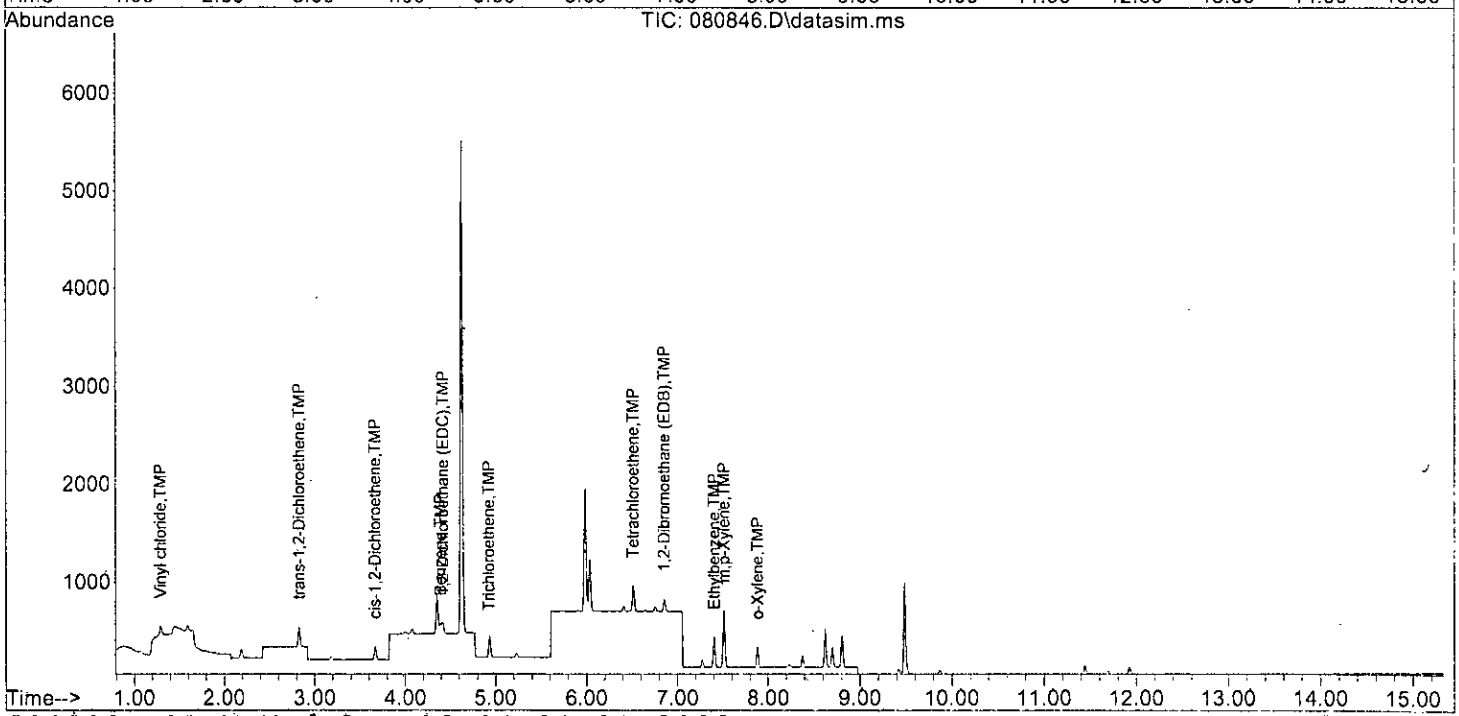
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : P:\Proc_GCMS11\08-08-22\
Data File : 080846.D
Acq On : 09 Aug 2022 01:40 am
Operator : RF
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 10 14:31:06 2022
Quant Method : P:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Response Factor Report GCMS13

Method Path : Z:\METHODS\Inst13\
Method File : VB080322ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Fri Aug 05 12:58:46 2022
Response Via : Initial Calibration

Calibration Files
0.02=080319.D 0.04=080320.D 0.1 =080321.D 0.2 =080322.D 0.5 =080323.D 1 =080324.D 2 =080325.D
5 =080326.D 10 =080327.D 20 =080328.D 50 =080329.D 100 =080330.D 150 =080331.D 200 =080332.D

		Compound	0.02	0.04	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------													
2)	TMP	Ethanol															0.000#	-1.00
3)	S	Dibromofluorom...	0.284	0.266	0.270	0.276	0.269	0.285	0.288	0.271	0.276	0.290	0.289	0.280	0.287	0.278	0.279	2.91
4)	TMP	Dichlorodifluo...					0.358	0.324	0.284	0.350	0.355	0.351	0.326	0.375	0.366	0.377	0.347	8.13
5)	TMP	Chloromethane						0.375	0.308	0.349	0.309	0.330	0.286	0.321	0.315	0.321	0.324	7.98
6)	TMP	Vinyl chloride	0.375		0.285	0.329	0.317	0.322	0.318	0.344	0.343	0.351	0.310	0.348	0.340	0.343	0.333	6.77
7)	TMP	Bromomethane							0.234	0.196	0.195	0.209	0.185	0.205	0.200	0.207	0.204	7.03
8)	TMP	Chloroethane					0.117	0.113	0.113	0.115	0.117	0.104	0.117	0.116	0.117	0.114	3.50
9)	TMP	Trichlorofluor...					0.673	0.646	0.587	0.550	0.585	0.557	0.499	0.563	0.563	0.549	0.577	8.68
10)	TMP	2-Propanol															0.000	-1.00
11)	TMP	Acetone							0.028	0.024	0.025	0.024	0.021	0.024	0.024	0.023	0.024	8.29
12)	TMP	1,1-Dichloroet...	0.231		0.291	0.282	0.278	0.283	0.283	0.286	0.284	0.283	0.251	0.275	0.278	0.278	0.276	5.97
13)	TMP	Hexane						0.423	0.407	0.351	0.331	0.331	0.314	0.327	0.327	0.317	0.347	11.43
14)	TMP	Methylene chlo...								0.619	0.432	0.359	0.277	0.288	0.287	0.281	0.363	34.79
15)	TMP	t-Butyl alcoho...						0.040	0.036	0.034	0.033	0.033	0.029	0.034	0.034	0.035	0.034	8.59
16)	TMP	Methyl t-butyl...	0.812		0.820	0.836	0.839	0.856	0.860	0.862	0.850	0.848	0.732	0.818	0.820	0.805	0.827	4.14
17)	TMP	trans-1,2-Dich...	0.404		0.329	0.325	0.340	0.360	0.314	0.332	0.326	0.325	0.285	0.309	0.313	0.304	0.328	8.86
18)	TMP	Diisopropyl et...				0.879	0.782	0.819	0.792	0.762	0.752	0.747	0.653	0.747	0.742	0.736	0.765	7.36
19)	TMP	1,1-Dichloroet...	0.548		0.511	0.517	0.515	0.530	0.517	0.515	0.514	0.517	0.450	0.496	0.504	0.493	0.510	4.46
20)	TMP	Ethyl t-butyl ...				0.379	0.334	0.329	0.344	0.332	0.333	0.325	0.279	0.324	0.327	0.325	0.330	7.00
21)	TMP	2,2-Dichloropr...					0.324	0.316	0.340	0.269	0.285	0.286	0.234	0.287	0.236	0.300	0.288	12.09
22)	TMP	cis-1,2-Dichlo...	0.413		0.348	0.351	0.343	0.350	0.348	0.345	0.344	0.346	0.303	0.331	0.333	0.324	0.345	7.19
23)	TMP	Chloroform				0.626	0.565	0.545	0.514	0.504	0.489	0.513	0.442	0.496	0.510	0.502	0.519	9.10
24)	TMP	2-Butanone (MEK)				0.164	0.151	0.149	0.137	0.128	0.127	0.128	0.111	0.129	0.145	0.125	0.136	11.08
25)	TMP	t-Amyl methyl ...				0.762	0.768	0.813	0.819	0.743	0.755	0.752	0.652	0.731	0.731	0.724	0.750	6.01
26)	TMP	1,2-Dichloroet...	0.832		0.468	0.438	0.412	0.419	0.404	0.392	0.395	0.395	0.344	0.384	0.385	0.378	0.434	28.33
27)	TMP	1,1,1-Trichlor...	0.505		0.484	0.494	0.499	0.512	0.507	0.497	0.497	0.499	0.438	0.496	0.497	0.496	0.494	3.63
28)	TMP	1,1-Dichloropr...				0.526	0.455	0.410	0.382	0.372	0.375	0.384	0.330	0.370	0.371	0.368	0.395	13.46
29)	TMP	Carbon tetrach...				0.413	0.358	0.429	0.408	0.399	0.393	0.399	0.350	0.412	0.420	0.418	0.400	6.27
30)	S	1,2-Dichloroet...	0.060	0.059	0.056	0.060	0.061	0.063	0.059	0.057	0.059	0.062	0.058	0.058	0.060	0.064	0.060	3.46
31)	TMP	Benzene	1.495		1.252	1.257	1.247	1.282	1.263	1.238	1.233	1.237	1.084	1.198	1.178	1.158	1.240	7.52
32)	TMP	Trichloroethene	0.452		0.361	0.353	0.353	0.368	0.360	0.351	0.356	0.354	0.317	0.349	0.347	0.339	0.358	8.56
33)	TMP	1,2-Dichloropr...				0.326	0.325	0.330	0.260	0.259	0.266	0.268	0.235	0.267	0.265	0.261	0.278	11.67
34)	TMP	Bromodichlorom...				0.452	0.389	0.411	0.393	0.387	0.373	0.391	0.342	0.393	0.397	0.395	0.393	6.70
35)	S	Toluene-d8	0.995	0.975	0.965	0.999	0.989	1.033	1.027	0.992	1.030	0.996	1.016	1.072	1.043	1.055	1.013	3.06
36)	TMP	Dibromomethane				0.209	0.217	0.207	0.206	0.187	0.191	0.196	0.172	0.195	0.196	0.196	0.197	6.20
37)	TMP	4-Methyl-2-pen...				0.068	0.055	0.058	0.055	0.049	0.051	0.050	0.044	0.053	0.050	0.050	0.053	11.60
38)	TMP	cis-1,3-Dichlo...				0.501	0.513	0.492	0.467	0.438	0.437	0.448	0.399	0.459	0.458	0.458	0.461	7.01
39)	I	Chlorobenzene-d5	----------	ISTD	----------													
40)	TMP	Toluene	1.564		1.134	1.099	1.059	1.061	1.052	1.035	1.019	1.065	0.907	0.977	0.997	0.955	1.071	14.93
41)	TMP	trans-1,3-Dich...				0.662	0.551	0.557	0.547	0.521	0.540	0.560	0.477	0.543	0.554	0.547	0.551	7.93
42)	TMP	1,1,2-Trichlor...	0.370		0.365	0.372	0.356	0.362	0.355	0.348	0.342	0.356	0.303	0.335	0.338	0.328	0.348	5.52
43)	TMP	2-Hexanone				0.249	0.312	0.290	0.274	0.260	0.253	0.264	0.222	0.263	0.251	0.247	0.262	9.02
44)	TMP	1,3-Dichloropr...				0.545	0.592	0.586	0.561	0.550	0.527	0.552	0.470	0.515	0.522	0.509	0.539	6.54
45)	TMP	Tetrachloroethene	0.590		0.414	0.383	0.372	0.366	0.364	0.360	0.350	0.365	0.321	0.346	0.357	0.347	0.380	17.62
46)	TMP	Dibromochlorom...				0.434	0.414	0.420	0.391	0.399	0.383	0.406	0.362	0.412	0.422	0.418	0.406	5.08
47)	TMP	1,2-Dibromoeth...	0.539		0.457	0.426	0.416	0.420	0.420	0.413	0.405	0.429	0.365	0.408	0.415	0.399	0.424	9.45
48)	TMP	Chlorobenzene				1.097	0.975	0.972	0.952	0.982	0.939	0.987	0.863	0.938	0.961	0.932	0.963	5.82
49)	TMP	Ethylbenzene	2.388		2.054	2.008	1.989	1.988	1.979	1.954	1.914	1.995	1.685	1.790	1.763	1.685	1.938	9.56
50)	TMP	1,1,1,2-Tetrac...				0.412	0.346	0.336	0.339	0.335	0.335	0.347	0.297	0.338	0.347	0.338	0.343	7.79
51)	TMP	m,p-Xylene	0.934		0.767	0.736	0.731	0.733	0.726	0.717	0.699	0.722	0.608	0.641	0.630	0.595	0.711	12.24
52)	TMP	o-Xylene	0.811		0.737	0.718	0.710	0.707	0.708	0.701	0.687	0.717	0.601	0.639	0.634	0.600	0.690	8.51
53)	TMP	Styrene				1.158	0.957	0.943	0.962	0.968	0.940	1.008	0.862	0.931	0.929	0.889	0.959	7.99
54)	TMP	Isopropylbenzene				1.834	1.683	1.544	1.567	1.559	1.537	1.601	1.374	1.477	1.484	1.417	1.552	8.15
55)	TMP	Bromoform				0.283	0.240	0.254	0.239	0.255	0.244	0.260	0.231	0.275	0.278	0.277	0.258	7.11
56)	I	1,4-Dichlorobenzen...	----------	ISTD	----------													
57)	S	4-Bromofluorob...	1.039	1.015	1.038	1.007	1.021	1.014	0.956	0.950	0.974	0.965	0.961	0.943	0.911	0.906	0.979	4.50
58)	TMP	n-Propylbenzene				4.431	4.024	4.039	3.699	3.757	3.796	3.833	3.330	3.438	3.347	3.229	3.720	9.81
59)	TMP	Bromobenzene				0.883	0.802	0.773	0.788	0.746	0.730	0.752	0.684	0.758	0.765	0.760	0.767	6.41
60)	TMP	1,3,5-Trimethy...				2.682	2.865	2.636	2.389	2.474	2.506	2.493	2.165	2.262	2.215	2.156	2.440	9.42
61)	TMP	1,1,2,2-Tetrac...				1.176	1.071	0.957	0.910	0.938	0.918	0.924	0.787	0.870	0.850	0.838	0.931	11.83
62)	TMP	1,2,3-Trichlor...					0.654	0.744	0.652	0.642	0.656	0.647	0.556	0.618	0.589	0.583	0.634	8.24
63)	TMP	2-Chlorotoluene				2.579	2.311	2.268	2.064	2.164	2.150	2.134	1.837	1.920	1.880	1.813	2.102	11.10
64)	TMP	4-Chlorotoluene				3.253	2.829	2.678	2.490	2.475	2.429	2.457	2.162	2.264	2.186	2.119	2.486	13.51
65)	TMP	tert-Butylbenzene				2.521	2.516	2.264	2.161	2.154	2.152	2.182	1.922	2.017	2.026	2.009	2.175	9.01
66)	TMP	1,2,4-Trimethy...				3.023	2.831	2.752	2.424	2.553	2.552	2.615	2.292	2.427	2.400	2.366	2.567	8.69
67)	TMP	sec-Butylbenzene				3.725	3.485	3.420	3.177	3.195	3.251	3.325	2.959	3.093	3.077	3.030	3.249	6.96
68)	TMP	p-Isopropyltol...				3.010	2.760	2.584	2.641	2.590	2.643	2.689	2.447	2.581	2.568	2.544	2.642	5.54
69)	TMP	1,3-Dichlorobe...				1.586	1.525	1.437	1.412	1.355	1.429	1.438	1.285	1.413	1.391	1.375	1.422	5.66
70)	TMP	1,4-Dichlorobe...				1.691	1.545	1.400	1.410	1.363	1.346	1.364	1.240	1.360	1.334	1.328	1.398	8.70
71)	TMP	1,2-Dichlorobe...				1.609	1.335	1.438	1.364	1.358	1.329	1.378	1.222	1.335	1.336	1.336	1.367	6.94
72)	TMP	1,2-Dibromo-3-...						0.179	0.153	0.146	0.140	0.148	0.128	0.144	0.144	0.148	0.148	9.15
73)	TMP	1,2,4-Trichlor...				0.919	0.920	0.790	0.799	0.779	0.810	0.825	0.761	0.854	0.881	0.898	0.840	6.87
74)	TMP	Hexachlorobuta...				0.551	0.438	0.448	0.472	0.430	0.434	0.443	0.401	0.428	0.444	0.454	0.449	8.44
75)	TMP	Naphthalene				1.945	1.864	1.709	1.738	1.733	1.832	1.932	1.761	2.062	2.146	2.195	1.902	9.00
76)	TMP	1,2,3-Trichlor...				0.795	0.775	0.705	0.671	0.660	0.700	0.722	0.663	0.760	0.787	0.810	0.732	7.66

(#) = Out of Range

56	I	1,4-Dichlorobenzene-d4	152	9.63	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.52	0.885	A	2	A	B
58	T	n-Propylbenzene	91	8.77	0.911	A	1	A	B
59	T	Bromobenzene	156	8.65	0.899	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.94	0.929	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.66	0.900	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.70	0.904	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.919	A	1	A	B
64	T	4-Chlorotoluene	91	8.95	0.929	A	1	A	B
65	T	tert-Butylbenzene	119	9.26	0.961	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.30	0.966	A	1	A	B
67	T	sec-Butylbenzene	105	9.47	0.984	A	1	A	B
68	T	p-Isopropyltoluene	119	9.61	0.999	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.56	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.65	1.003	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.78	1.119	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.60	1.205	A	2	A	B
74	T	Hexachlorobutadiene	225	11.78	1.224	A	2	A	B
75	T	Naphthalene	128	11.84	1.230	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.08	1.255	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB080322ms13.M Fri Aug 05 13:42:54 2022

Compound List Report GCMS13

Method Path : Z:\METHODS\Inst13\
Method File : VB080322ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Fri Aug 05 12:58:46 2022
Response Via : Initial Calibration

Total Cpnds : 76

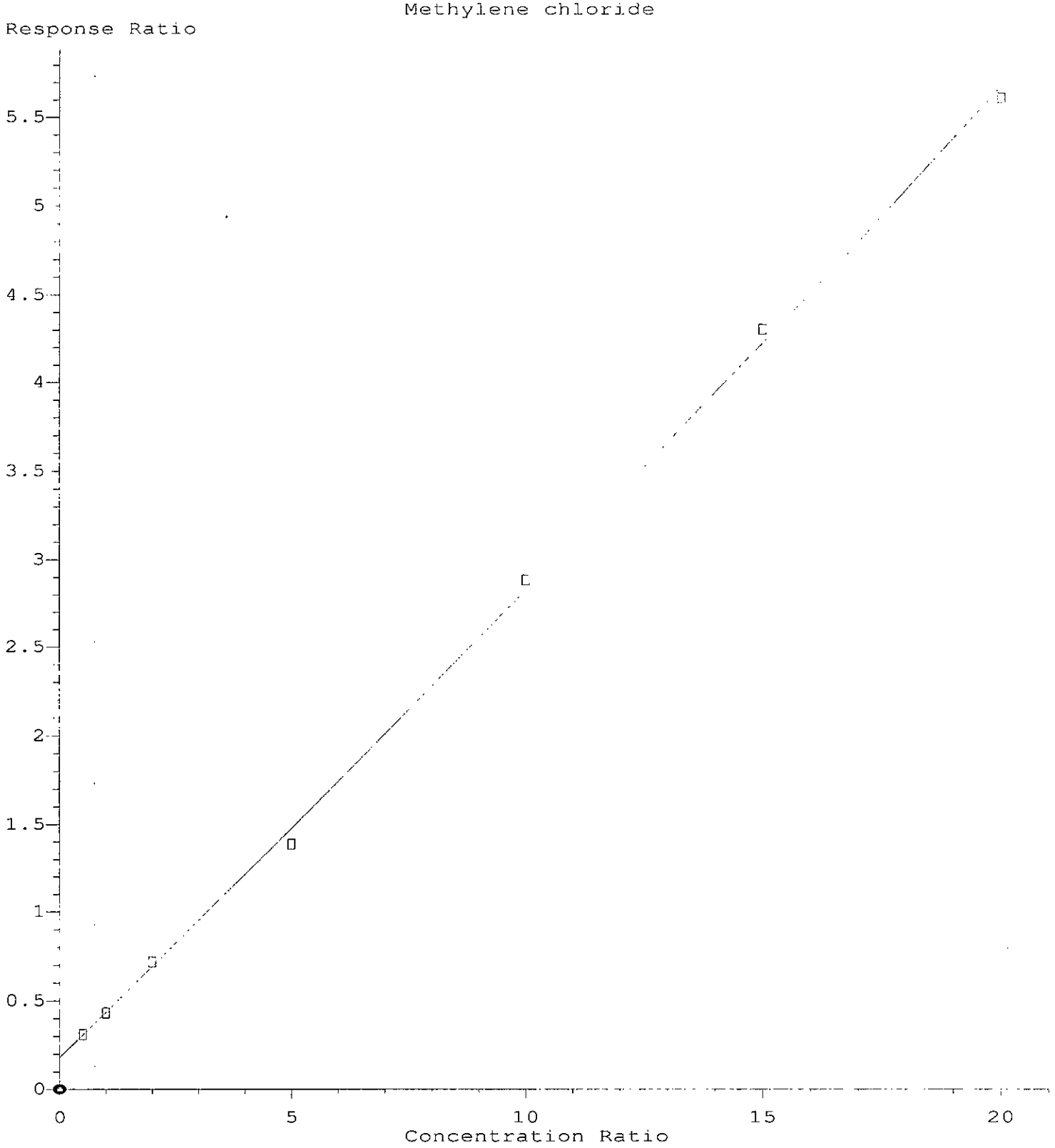
PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.75	1.000	A	1	A	B
2	T	Ethanol	45	2.34	0.493	A	1	A	B
3	S	Dibromofluoromethane	113	4.19	0.882	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.12	0.236	A	1	A	B
5	T	Chloromethane	50	1.27	0.267	A	1	A	B
6	T	Vinyl chloride	-62	1.35	0.283	A	1	A	B
7	T	Bromomethane	94	1.60	0.336	A	1	A	B
8	T	Chloroethane	-64	1.66	0.350	A	1	A	B
9	T	Trichlorofluoromethane	101	1.84	0.388	A	1	A	B
10	T	2-Propanol	45	2.34	0.493	A	1	A	B
11	T	Acetone	58	2.34	0.493	A	1	A	B
12	T	1,1-Dichloroethene	-96	2.28	0.481	A	2	A	B
13	T	Hexane	57	3.17	0.667	A	2	A	B
14	T	Methylene chloride	84	2.69	0.568	Q	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.83	0.597	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	-73	2.95	0.621	A	1	A	B
17	T	trans-1,2-Dichloroethene	-96	2.93	0.618	A	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.36	0.707	A	3	A	B
19	T	1,1-Dichloroethane	-63	3.29	0.692	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.67	0.772	A	3	A	B
21	T	2,2-Dichloropropane	77	3.78	0.796	A	1	A	B
22	T	cis-1,2-Dichloroethene	-96	3.78	0.796	A	2	A	B
23	T	Chloroform	83	4.05	0.853	A	1	A	B
24	T	2-Butanone (MEK)	43	3.80	0.801	A	2	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.62	0.972	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	-62	4.53	0.954	L	1	A	B
27	T	1,1,1-Trichloroethane	-97	4.20	0.885	A	2	A	B
28	T	1,1-Dichloropropene	75	4.34	0.913	L	2	A	B
29	T	Carbon tetrachloride	117	4.34	0.913	A	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.47	0.941	A	1	A	B
31	T	Benzene	-78	4.51	0.951	A	1	A	B
32	T	Trichloroethene	-95	5.06	1.065	A	3	A	B
33	T	1,2-Dichloropropane	63	5.25	1.106	A	1	A	B
34	T	Bromodichloromethane	83	5.49	1.157	A	2	A	B
35	S	Toluene-d8	98	6.11	1.288	A	1	A	B
36	T	Dibromomethane	93	5.35	1.127	A	2	A	B
37	T	4-Methyl-2-pentanone	85	6.02	1.269	A	2	A	B
38	T	cis-1,3-Dichloropropene	75	5.88	1.238	A	2	A	B
39	I	Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T	Toluene	-92	6.17	0.833	L	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.37	0.859	A	2	A	B
42	T	1,1,2-Trichloroethane	-83	6.53	0.880	A	2	A	B
43	T	2-Hexanone	43	6.77	0.913	A	3	A	B
44	T	1,3-Dichloropropane	76	6.68	0.901	A	1	A	B
45	T	Tetrachloroethene	-164	6.66	0.898	L	3	A	B
46	T	Dibromochloromethane	129	6.89	0.929	A	1	A	B
47	T	1,2-Dibromoethane (EDB)	-107	6.98	0.941	A	2	A	B
48	T	Chlorobenzene	112	7.44	1.003	A	2	A	B
49	T	Ethylbenzene	-91	7.54	1.018	A	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.52	1.014	A	2	A	B
51	T	m,p-Xylene	-106	7.66	1.033	L	1	A	B
52	T	o-Xylene	-106	8.03	1.083	A	1	A	B
53	T	Styrene	104	8.04	1.084	A	1	A	B
54	T	Isopropylbenzene	105	8.38	1.130	A	1	A	B
55	T	Bromoform	173	8.20	1.106	A	2	A	B

Calibration Status Report GCMS13

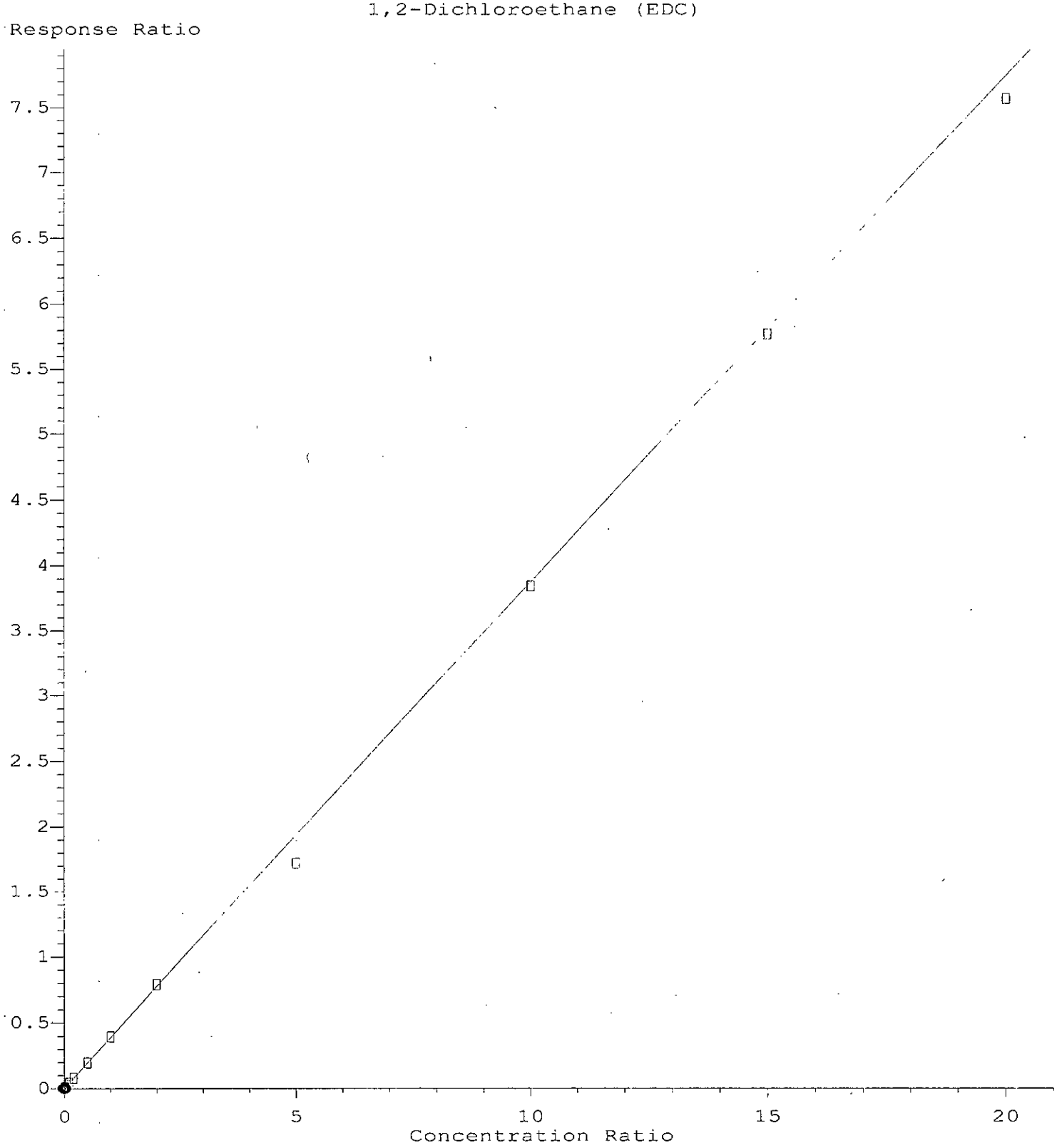
Method Path : Z:\METHODS\Inst13\
Method File : VB080322ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Fri Aug 05 12:58:46 2022
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.02	0	10	Z:\Proc_GCMS13\08-03-22\080319.D
2	0.04	0	10	Z:\Proc_GCMS13\08-03-22\080320.D
3	0.1	0	10	Z:\Proc_GCMS13\08-03-22\080321.D
4	0.2	0	10	Z:\Proc_GCMS13\08-03-22\080322.D
5	0.5	1	10	Z:\Proc_GCMS13\08-03-22\080323.D
6	1	1	10	Z:\Proc_GCMS13\08-03-22\080324.D
7	2	2	10	Z:\Proc_GCMS13\08-03-22\080325.D
8	5	5	10	Z:\Proc_GCMS13\08-03-22\080326.D
9	10	10	10	Z:\Proc_GCMS13\08-03-22\080327.D
10	20	20	10	Z:\Proc_GCMS13\08-03-22\080328.D
11	50	50	10	Z:\Proc_GCMS13\08-03-22\080329.D
12	100	100	10	Z:\Proc_GCMS13\08-03-22\080330.D
13	150	150	10	Z:\Proc_GCMS13\08-03-22\080331.D
14	200	200	10	Z:\Proc_GCMS13\08-03-22\080332.D

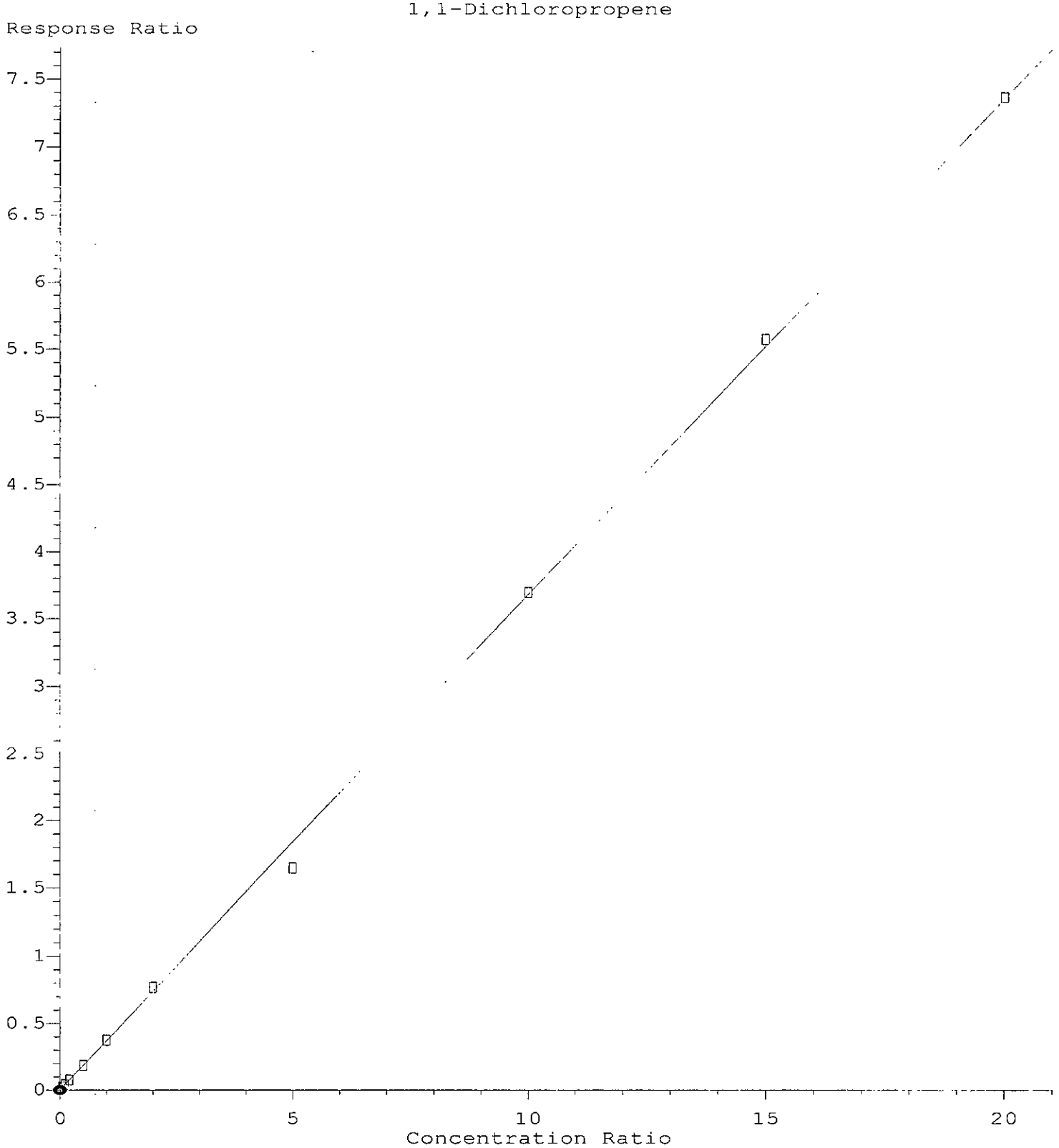
#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Aug 05 10:55 2022	Aug 05 10:37 2022	03 Aug 2022 07:54 pm
2	0.04	Aug 05 10:55 2022	Aug 05 10:54 2022	03 Aug 2022 08:17 pm
3	0.1	Aug 05 10:55 2022	Aug 05 07:47 2022	03 Aug 2022 08:40 pm
4	0.2	Aug 05 10:55 2022	Aug 05 10:43 2022	03 Aug 2022 09:03 pm
5	0.5	Aug 05 10:55 2022	Aug 05 10:45 2022	03 Aug 2022 09:26 pm
6	1	Aug 05 10:55 2022	Aug 05 10:47 2022	03 Aug 2022 09:49 pm
7	2	Aug 05 10:55 2022	Aug 05 10:48 2022	03 Aug 2022 10:12 pm
8	5	Aug 05 10:55 2022	Aug 05 10:49 2022	03 Aug 2022 10:35 pm
9	10	Aug 05 10:55 2022	Aug 05 10:49 2022	03 Aug 2022 10:58 pm
10	20	Aug 05 10:55 2022	Aug 05 10:50 2022	03 Aug 2022 11:21 pm
11	50	Aug 05 10:55 2022	Aug 05 10:50 2022	03 Aug 2022 11:44 pm
12	100	Aug 05 10:55 2022	Aug 05 10:51 2022	04 Aug 2022 12:07 am
13	150	Aug 05 10:55 2022	Aug 05 10:51 2022	04 Aug 2022 12:30 am
14	200	Aug 05 10:55 2022	Aug 05 10:52 2022	04 Aug 2022 12:53 am



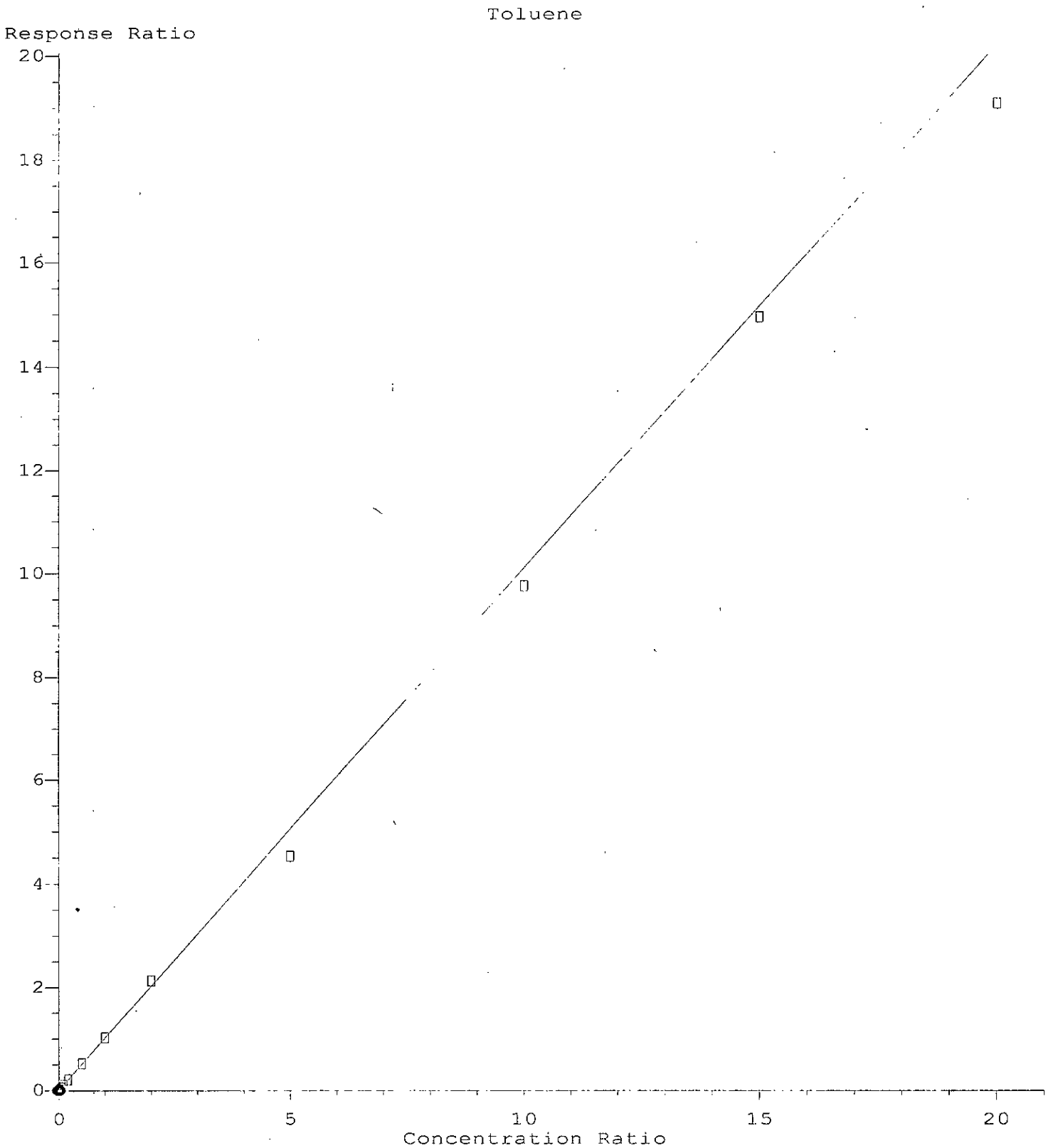
R = 1.04e-003 A*A + 2.54e-001 A + 1.81e-001
Coef of Det (r^2) = 0.999 Curve Fit: Quadratic w(1/a)
Method Name: Z:\METHODS\Inst13\VB080322ms13.M
Calibration Table Last Updated: Fri Aug 05 12:58:46 2022



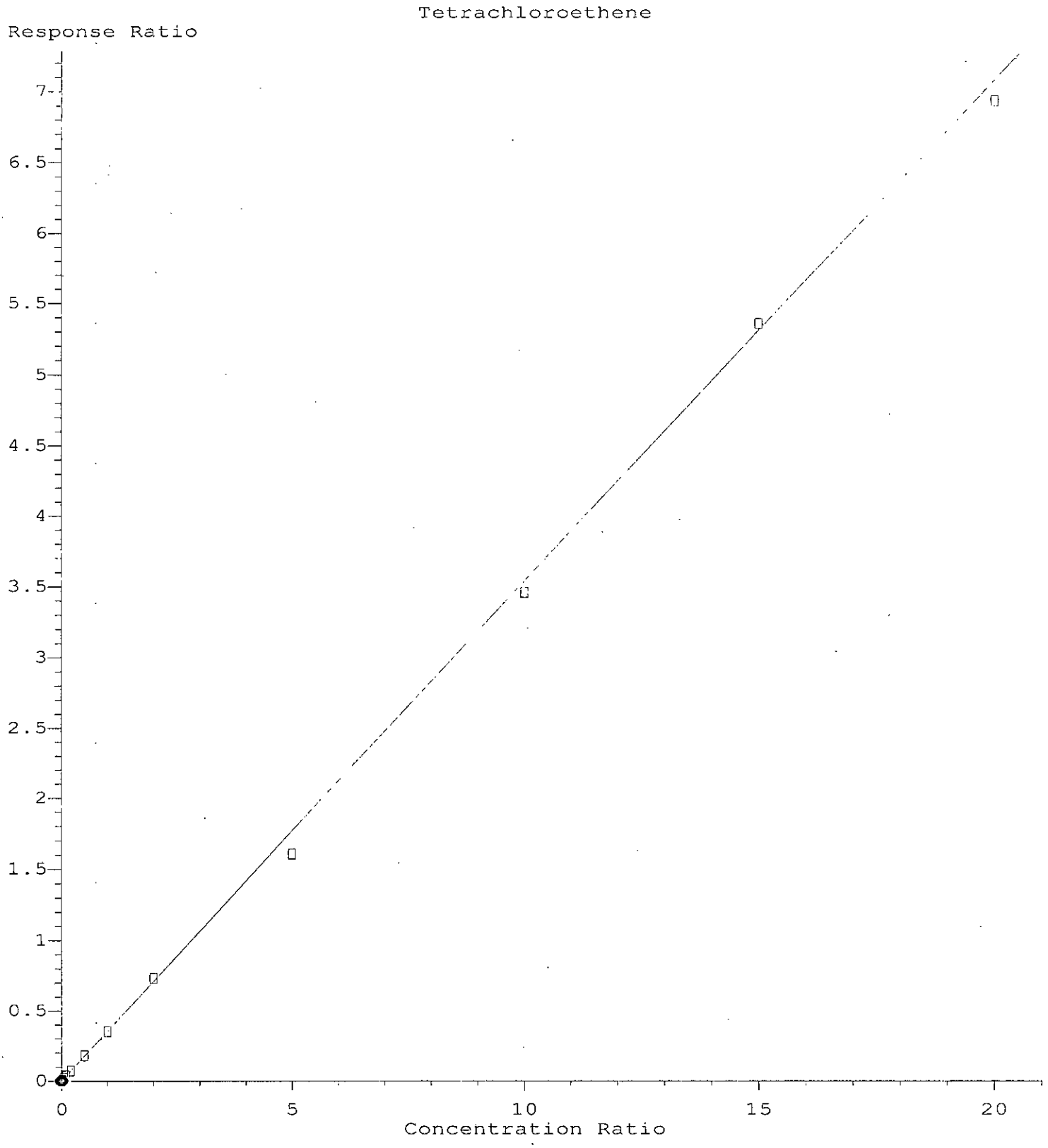
Response = 3.87e-001 * Amt + 8.88e-004
Coef of Det (r^2) = 0.998 Curve Fit: wlr(1/a^2)
Method Name: Z:\METHODS\Inst13\VB080322ms13.M
Calibration Table Last Updated: Fri Aug 05 12:58:46 2022



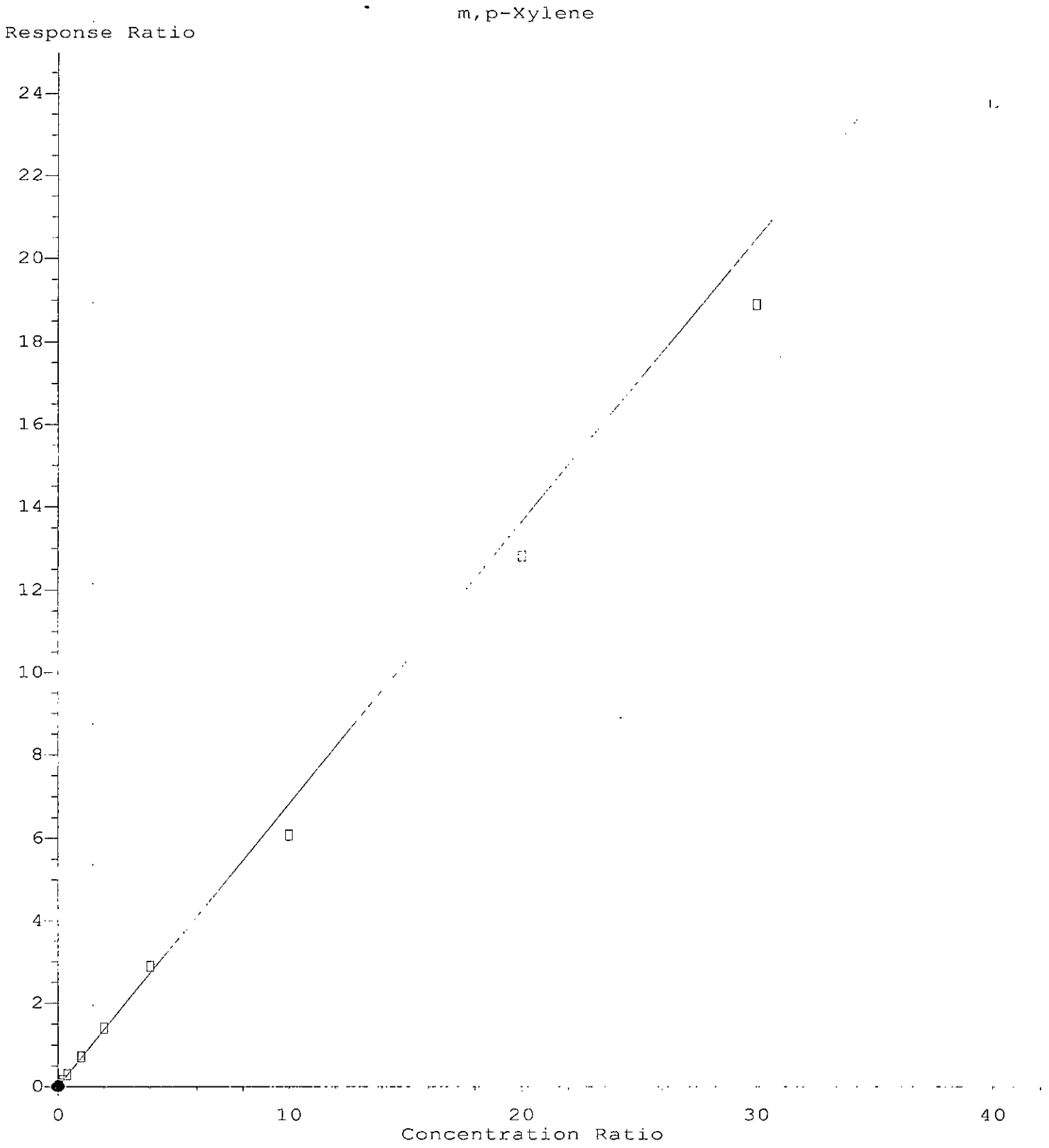
Response = 3.68e-001 * Amt + 3.35e-003
Coef of Det (r^2) = 0.998 Curve Fit: wlr(1/a^2)
Method Name: Z:\METHODS\Inst13\VB080322ms13.M
Calibration Table Last Updated: Fri Aug 05 12:58:46 2022



Response = 1.01e+000 * Amt + 1.12e-003
Coef of Det (r^2) = 0.998 Curve Fit: wlr(1/a^2)
Method Name: Z:\METHODS\Inst13\VB080322ms13.M
Calibration Table Last Updated: Fri Aug 05 12:58:46 2022



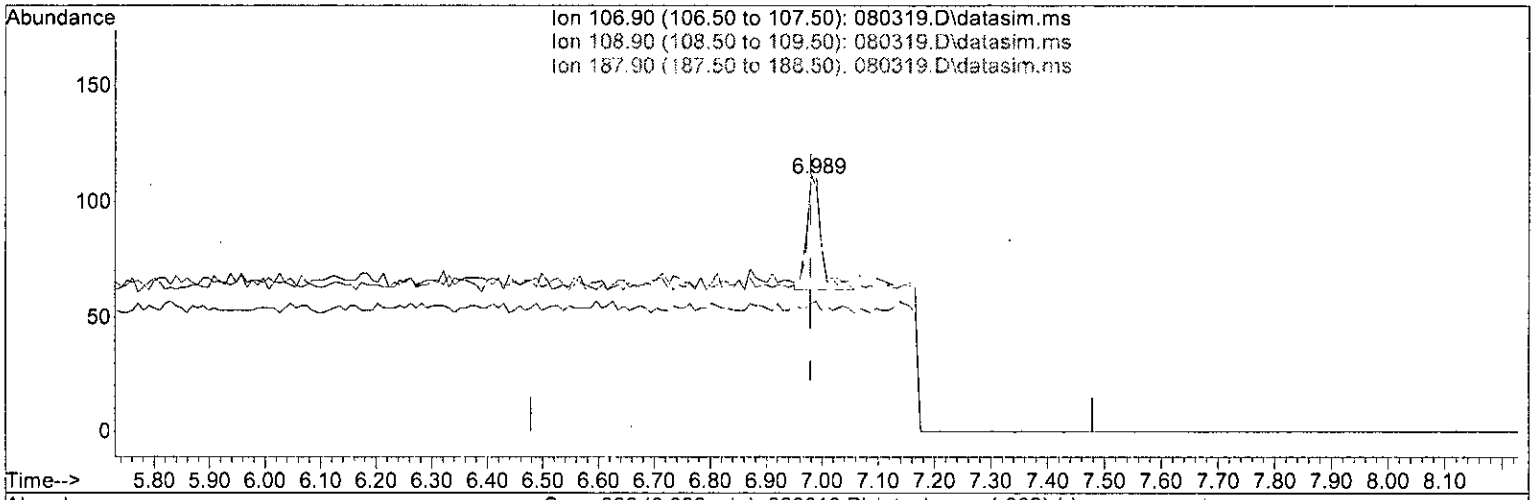
Response = 3.54e-001 * Amt + 4.79e-004
Coef of Det (r^2) = 0.999 Curve Fit: wlr(1/a^2)
Method Name: Z:\METHODS\Inst13\VB080322ms13.M
Calibration Table Last Updated: Fri Aug 05 12:58:46 2022

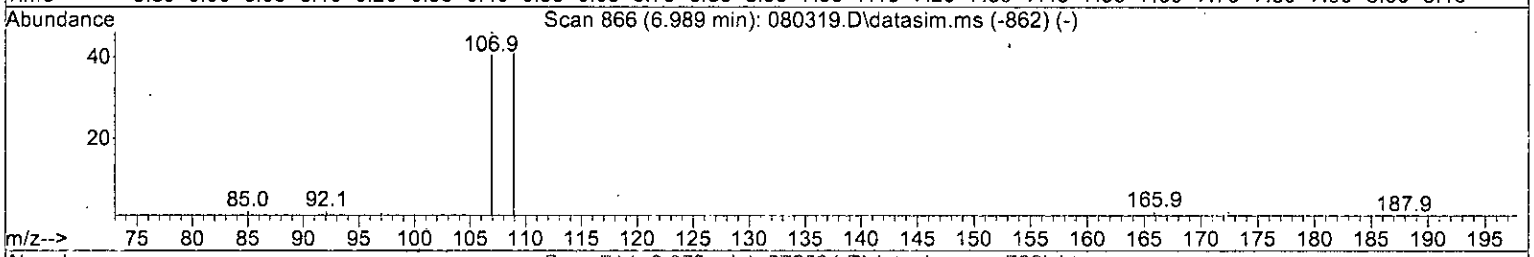


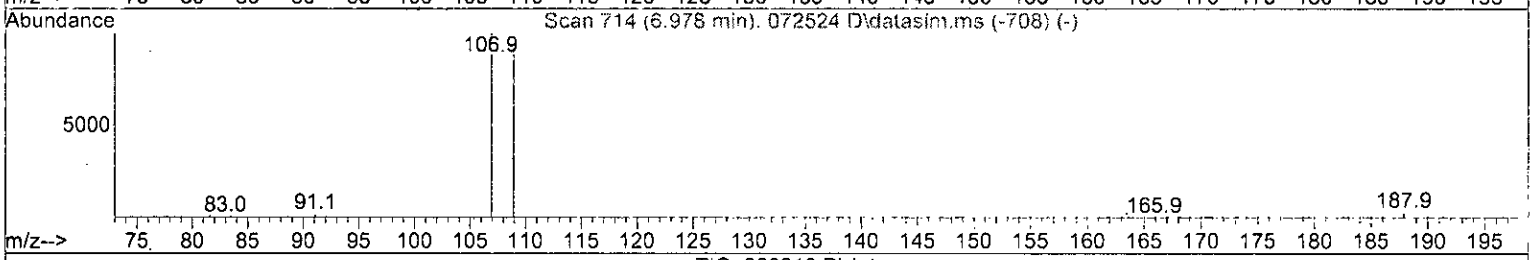
Response = 6.83e-001 * Amt + 1.05e-003
Coef of Det (r^2) = 0.995 Curve Fit: wlr(1/a^2)
Method Name: Z:\METHODS\Inst13\VB080322ms13.M
Calibration Table Last Updated: Fri Aug 05 12:58:46 2022

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080319.D
Acq On : 03 Aug 2022 07:54 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:00:55 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080319.D\data.ms

(47) 1,2-Dibromoethane (EDB) (TMP)

6.989min (+ 0.010) 0.028 ppb

response 90

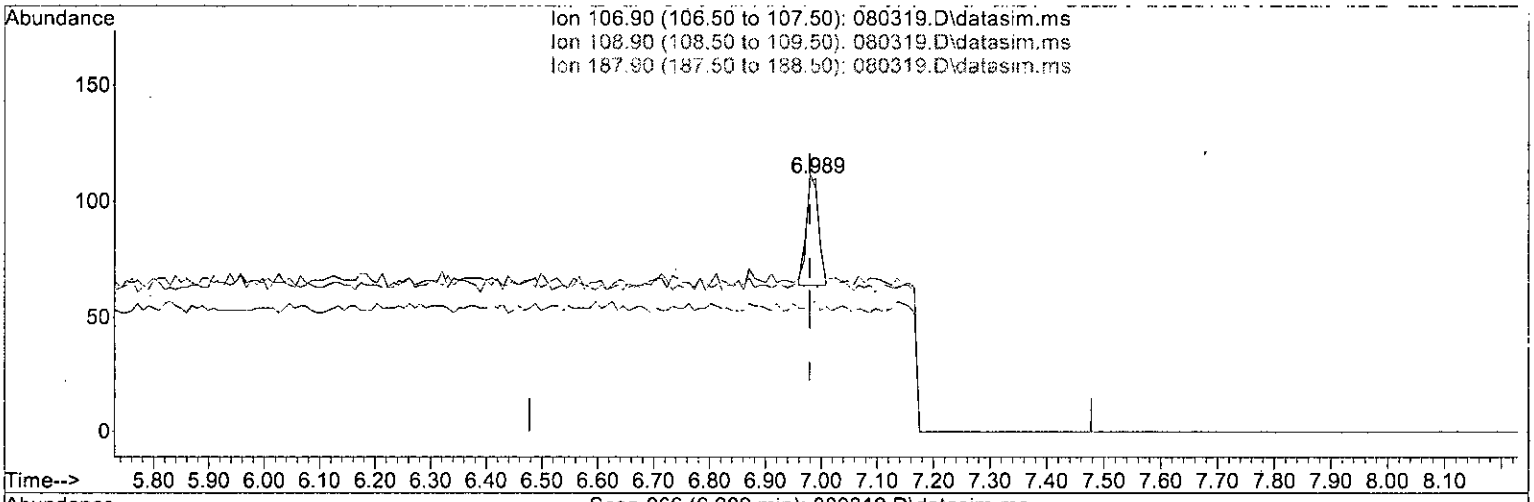
Ion	Exp%	Act%
106.90	100.00	100.00
108.90	109.60	87.50
187.90	7.50	10.42
0.00	0.00	0.00

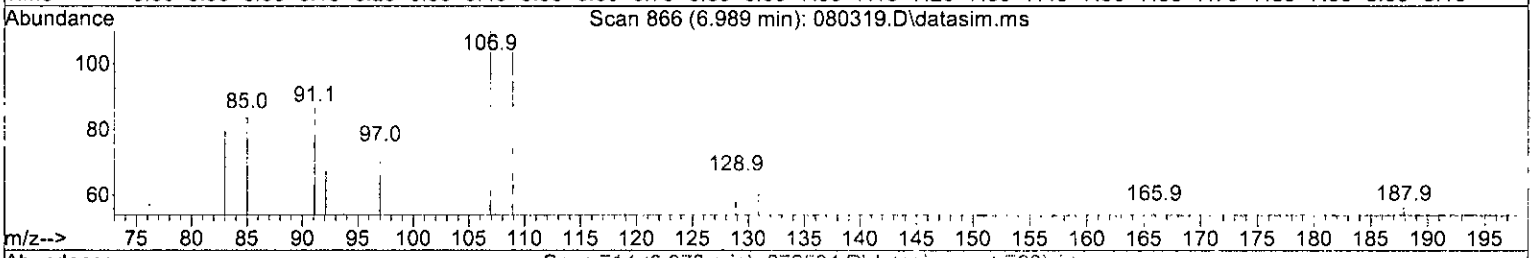
8/5 DM

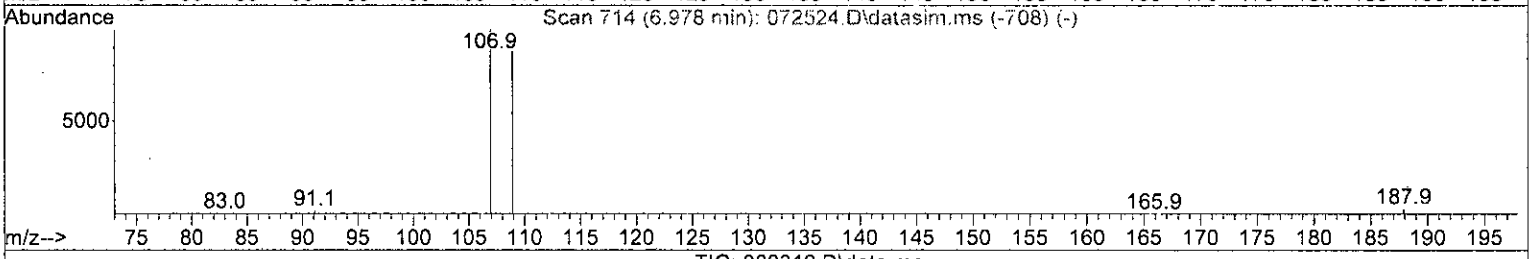
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080319.D
Acq On : 03 Aug 2022 07:54 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:00:55 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080319.D\data.ms

(47) 1,2-Dibromoethane (EDB) (TMP)

6.989min (+ 0.010) 0.023 ppb m

response 74

Ion	Exp%	Act%
106.90	100.00	100.00
108.90	109.60	96.36
187.90	7.50	51.82#
0.00	0.00	0.00

8/5 JCM

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080319.D
Acq On : 03 Aug 2022 07:54 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:26 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.148	-1.5	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.27#
6	TMP	Vinyl chloride	0.020	0.023	-15.0	100	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.60#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.34#
12	TMP	1,1-Dichloroethene	0.020	0.000	100.0#	0	-2.28#
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.17#
14	TMP	Methylene chloride	-1.000	-1.000	0.0	0	0.00
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.83#
16	TMP	Methyl t-butyl ether (MTBE)	0.020	0.020	0.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.020	0.022	-10.0	89	-0.01
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.36#
19	TMP	1,1-Dichloroethane	0.020	0.021	-5.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.67#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.78#
22	TMP	cis-1,2-Dichloroethene	0.020	0.024	-20.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.05#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.80#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.62#
26	TMP	1,2-Dichloroethane (EDC)	0.020	0.018	10.0	95	0.00
27	TMP	1,1,1-Trichloroethane	0.020	0.020	0.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	-0.022	0.0	0	0.00
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.34#
30	S	1,2-Dichloroethane-d4	10.000	10.041	-0.4	100	0.00
31	TMP	Benzene	0.020	0.024	-20.0	100	0.00
32	TMP	Trichloroethene	0.020	0.025	-25.0#	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.25#
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.49#
35	S	Toluene-d8	10.000	9.821	1.8	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.02#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.020	0.020	0.0	101	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.37#
42	TMP	1,1,2-Trichloroethane	0.020	0.023	-15.0	109	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.77#
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45	TMP	Tetrachloroethene	0.020	0.022	-10.0	107	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.89#
47	TMP	1,2-Dibromoethane (EDB)	0.020	0.023	-15.0	89	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080319.D
Acq On : 03 Aug 2022 07:54 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:26 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.44#
49	TMP	Ethylbenzene	0.020	0.026	-30.0#	105	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.008	0.0	0	-0.01
51	TMP	m,p-Xylene	0.040	0.039	2.5	100	0.00
52	TMP	o-Xylene	0.020	0.024	-20.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.04#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.38#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.617	-6.2	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.66#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.26#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.47#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.65#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.60#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.78#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.84#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080319.D
Acq On : 03 Aug 2022 07:54 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:26 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.279	0.283	-1.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.000#	100.0#	0#	-1.12#
5	TMP	Chloromethane	0.324	0.000#	100.0#	0#	-1.27#
6	TMP	Vinyl chloride	0.333	0.375	-12.6	100	0.00
7	TMP	Bromomethane	0.204	0.000#	100.0#	0#	-1.60#
8	TMP	Chloroethane	0.114	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	0.577	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.000#	100.0#	0#	-2.34#
12	TMP	1,1-Dichloroethene	0.276	0.000#	100.0#	0#	-2.28#
13	TMP	Hexane	0.347	0.000#	100.0#	0#	-3.17#
14	TMP	Methylene chloride	0.363	0.000#	100.0#	0#	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.83#
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.812	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.328	0.361	-10.1	89	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.765	0.000#	100.0#	0#	-3.36#
19	TMP	1,1-Dichloroethane	0.510	0.548	-7.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.000#	100.0#	0#	-3.67#
21	TMP	2,2-Dichloropropane	0.288	0.000#	100.0#	0#	-3.78#
22	TMP	cis-1,2-Dichloroethene	0.345	0.413	-19.7	100	0.00
23	TMP	Chloroform	0.519	0.000#	100.0#	0#	-4.05#
24	TMP	2-Butanone (MEK)	0.136	0.000#	100.0#	0#	-3.80#
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.000#	100.0#	0#	-4.62#
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.793	-82.7#	95	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.505	-2.2	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.000#	100.0#	0#	0.00
29	TMP	Carbon tetrachloride	0.400	0.000#	100.0#	0#	-4.34#
30	S	1,2-Dichloroethane-d4	0.060	0.060	0.0	100	0.00
31	TMP	Benzene	1.240	1.495	-20.6#	100	0.00
32	TMP	Trichloroethene	0.358	0.452	-26.3#	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.000#	100.0#	0#	-5.25#
34	TMP	Bromodichloromethane	0.393	0.000#	100.0#	0#	-5.49#
35	S	Toluene-d8	1.013	0.995	1.8	100	0.00
36	TMP	Dibromomethane	0.197	0.000#	100.0#	0#	-5.35#
37	TMP	4-Methyl-2-pentanone	0.053	0.000#	100.0#	0#	-6.02#
38	TMP	cis-1,3-Dichloropropene	0.461	0.000#	100.0#	0#	-5.88#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	1.577	-47.2#	101	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.000#	100.0#	0#	-6.37#
42	TMP	1,1,2-Trichloroethane	0.348	0.402	-15.5	109	0.00
43	TMP	2-Hexanone	0.262	0.000#	100.0#	0#	-6.77#
44	TMP	1,3-Dichloropropane	0.539	0.000#	100.0#	0#	-6.68#
45	TMP	Tetrachloroethene	0.380	0.629	-65.5#	107	0.00
46	TMP	Dibromochloromethane	0.406	0.000#	100.0#	0#	-6.89#
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.480	-13.2	89	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080319.D
Acq On : 03 Aug 2022 07:54 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:26 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.000#	100.0#	0#	-7.44#
49	TMP	Ethylbenzene	1.938	2.504	-29.2#	105	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.000#	100.0#	0#	-0.01
51	TMP	m,p-Xylene	0.711	0.934	-31.4#	100	0.00
52	TMP	o-Xylene	0.690	0.811	-17.5	100	0.00
53	TMP	Styrene	0.959	0.000#	100.0#	0#	-8.04#
54	TMP	Isopropylbenzene	1.552	0.000#	100.0#	0#	-8.38#
55	TMP	Bromoform	0.258	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	1.039	-6.1	100	0.00
58	TMP	n-Propylbenzene	3.720	0.000#	100.0#	0#	-8.77#
59	TMP	Bromobenzene	0.767	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	2.440	0.000#	100.0#	0#	-8.94#
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.000#	100.0#	0#	-8.66#
62	TMP	1,2,3-Trichloropropane	0.634	0.000#	100.0#	0#	-8.70#
63	TMP	2-Chlorotoluene	2.102	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	2.486	0.000#	100.0#	0#	-8.95#
65	TMP	tert-Butylbenzene	2.175	0.000#	100.0#	0#	-9.26#
66	TMP	1,2,4-Trimethylbenzene	2.567	0.000#	100.0#	0#	-9.30#
67	TMP	sec-Butylbenzene	3.249	0.000#	100.0#	0#	-9.47#
68	TMP	p-Isopropyltoluene	2.642	0.000#	100.0#	0#	-9.61#
69	TMP	1,3-Dichlorobenzene	1.422	0.000#	100.0#	0#	-9.56#
70	TMP	1,4-Dichlorobenzene	1.398	0.000#	100.0#	0#	-9.65#
71	TMP	1,2-Dichlorobenzene	1.367	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.000#	100.0#	0#	-10.78#
73	TMP	1,2,4-Trichlorobenzene	0.840	0.000#	100.0#	0#	-11.60#
74	TMP	Hexachlorobutadiene	0.449	0.000#	100.0#	0#	-11.78#
75	TMP	Naphthalene	1.902	0.000#	100.0#	0#	-11.84#
76	TMP	1,2,3-Trichlorobenzene	0.732	0.000#	100.0#	0#	-12.08#

(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080319.D
Acq On : 03 Aug 2022 07:54 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:26 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.75	96	104016	10.000 ppb	0.00
39) Chlorobenzene-d5	7.41	117	77064	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	35670	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	29455m	10.148 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.50%		
30) 1,2-Dichloroethane-d4	4.46	102	6246	10.041 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 100.40%		
35) Toluene-d8	6.11	98	103532	9.821 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 98.20%		
57) 4-Bromofluorobenzene	8.52	95	37059	10.617 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 106.20%		
Target Compounds					Qvalue
2) Ethanol	2.34	45	649	No Calib	
4) Dichlorodifluoromethane	0.00		0	N.D. d	
5) Chloromethane	0.00		0	N.D. d	
6] Vinyl chloride	1.35	62	78	0.023 ppb	61
7) Bromomethane	0.00		0	N.D. d	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D. d	
10) 2-Propanol	2.34	45	649	No Calib	
11) Acetone	0.00		0	N.D. d	
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	0.00		0	N.D. d	
14) Methylene chloride	2.69	84	18072	Below Cal	95
15) t-Butyl alcohol (TBA)	0.00		0	N.D. d	
16] Methyl t-butyl ether (...	2.95	73	169	0.020 ppb	69
17] trans-1,2-Dichloroethene	2.92	96	75	0.022 ppb	97
18) Diisopropyl ether (DIPE)	0.00		0	N.D. d	
19] 1,1-Dichloroethane	3.28	63	114	0.021 ppb	96
20) Ethyl t-butyl ether (E...	0.00		0	N.D. d	
21) 2,2-Dichloropropane	0.00		0	N.D. d	
22] cis-1,2-Dichloroethene	3.77	96	86	0.024 ppb	96
23) Chloroform	0.00		0	N.D. d	
24) 2-Butanone (MEK)	0.00		0	N.D. d	
25) t-Amyl methyl ether (T...	0.00		0	N.D. d	
26] 1,2-Dichloroethane (EDC)	4.52	62	165	0.018 ppb	95
27] 1,1,1-Trichloroethane	4.19	97	105	0.020 ppb	93
28) 1,1-Dichloropropene	4.33	75	263	Below Cal #	1
29) Carbon tetrachloride	0.00		0	N.D.	
31] Benzene	4.51	78	311	0.024 ppb	93
32] Trichloroethene	5.06	95	94	0.025 ppb	82
33) 1,2-Dichloropropane	0.00		0	N.D. d	
34) Bromodichloromethane	0.00		0	N.D. d	
36) Dibromomethane	0.00		0	N.D. d	
37) 4-Methyl-2-pentanone	0.00		0	N.D. d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.16	92	243	0.020 ppb	91
41) trans-1,3-Dichloropropene	0.00		0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080319.D
Acq On : 03 Aug 2022 07:54 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

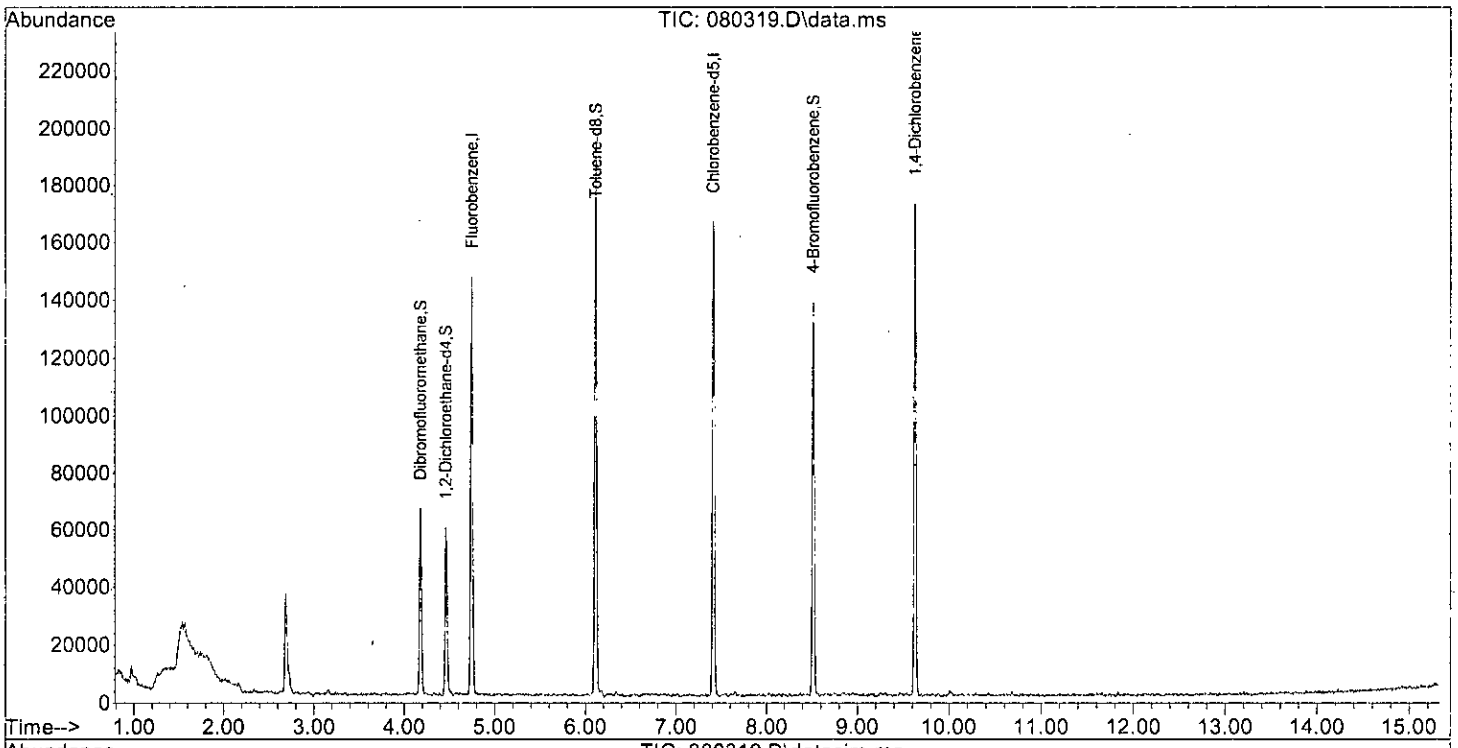
Quant Time: Aug 05 13:46:26 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

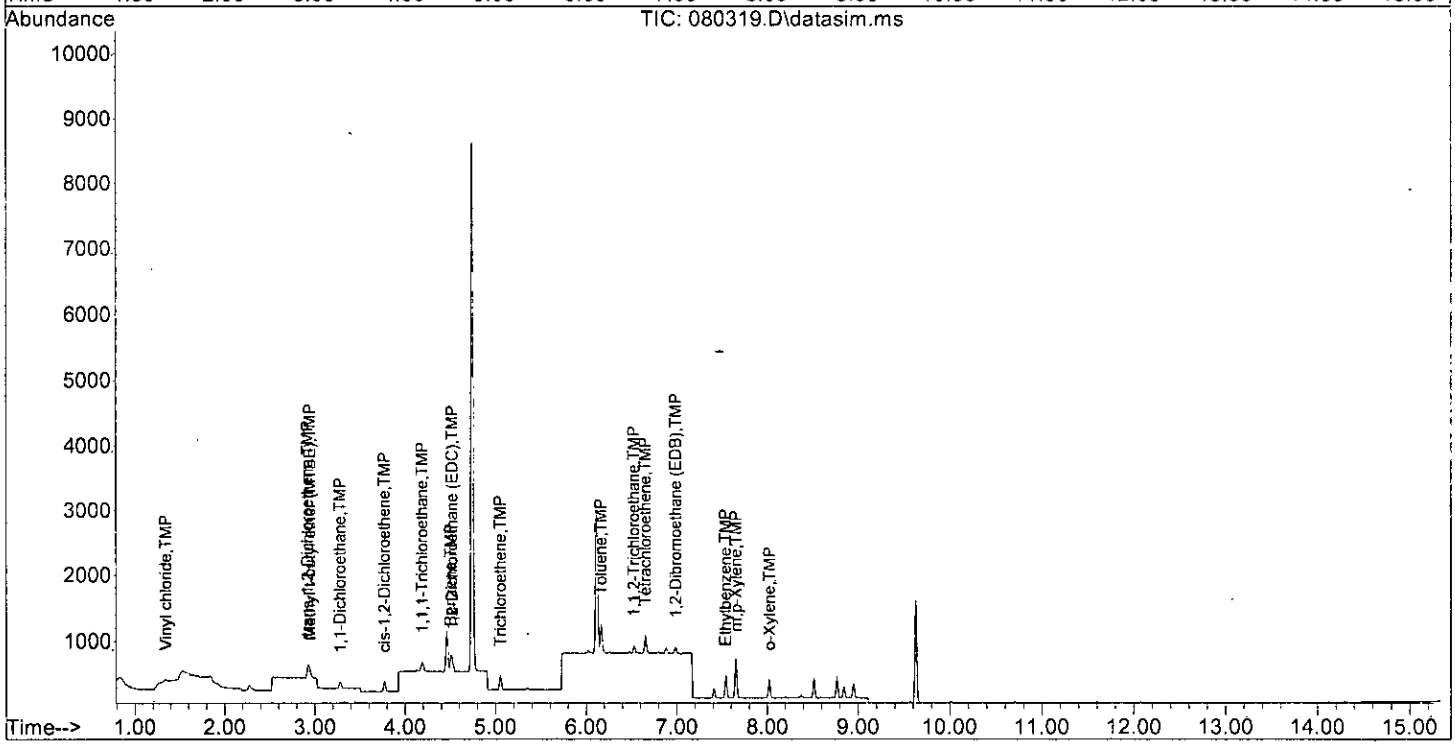
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	62	0.023	ppb	#	68
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	0.00		0	N.D.	d		
45] Tetrachloroethene	6.65	164	97	0.022	ppb		89
46) Dibromochloromethane	0.00		0	N.D.	d		
47] 1,2-Dibromoethane (EDB)	6.99	107	74m	0.023	ppb		
48) Chlorobenzene	0.00		0	N.D.	d		
49] Ethylbenzene	7.54	91	386	0.026	ppb		88
50) 1,1,1,2-Tetrachloroethane	7.51	131	21	N.D.			
51] m,p-Xylene	7.66	106	288	0.039	ppb		85
52] o-Xylene	8.03	106	125	0.024	ppb		96
53) Styrene	0.00		0	N.D.	d		
54) Isopropylbenzene	0.00		0	N.D.	d		
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	0.00		0	N.D.	d		
59) Bromobenzene	0.00		0	N.D.	d		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d		
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	0.00		0	N.D.	d		
64) 4-Chlorotoluene	0.00		0	N.D.	d		
65) tert-Butylbenzene	0.00		0	N.D.	d		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d		
67) sec-Butylbenzene	0.00		0	N.D.	d		
68) p-Isopropyltoluene	0.00		0	N.D.	d		
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d		
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d		
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d		
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	0.00		0	N.D.	d		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d		

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

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080319.D
Acq On : 03 Aug 2022 07:54 pm
Operator : JCM
Sample : 0.02 ppb 8260 ICAL 67-43F
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:26 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

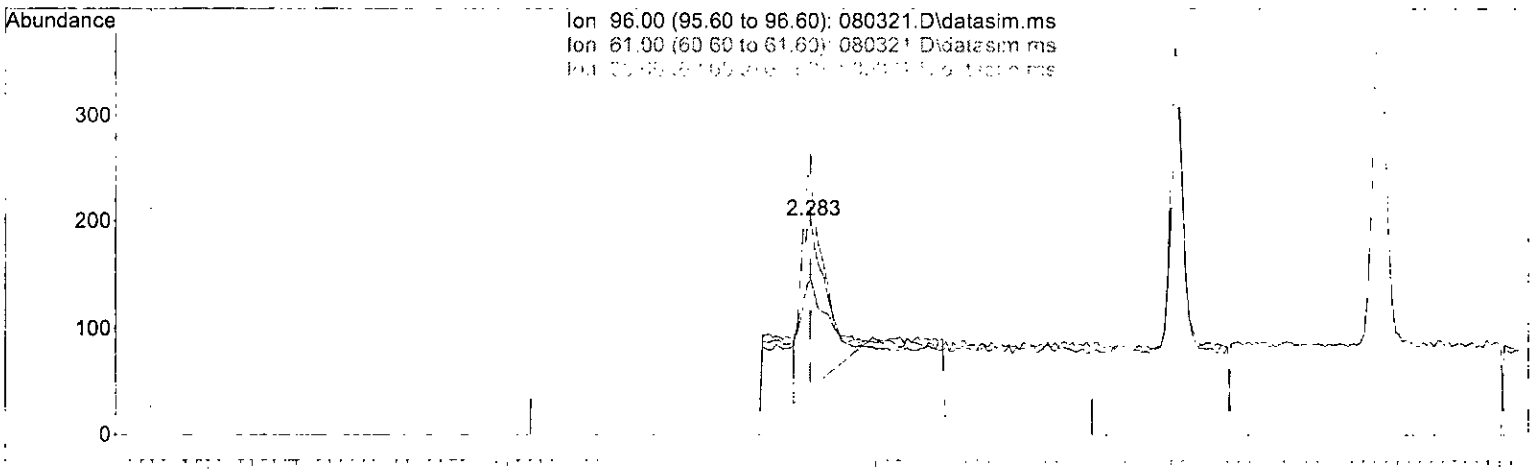


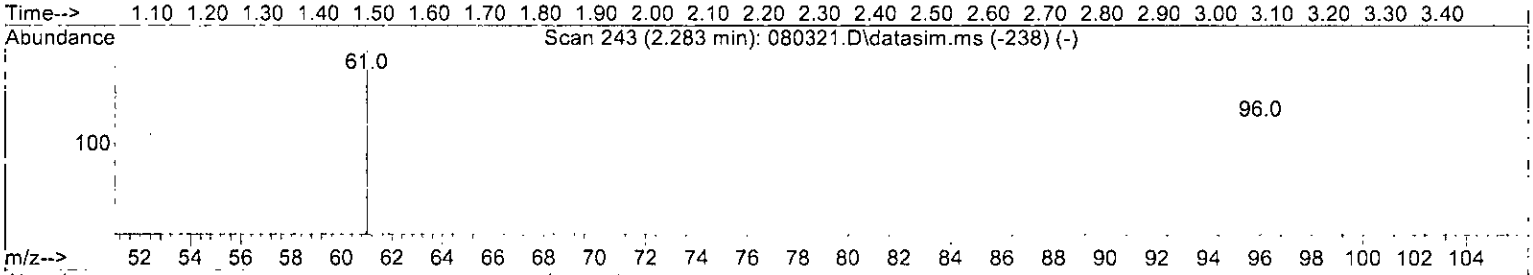


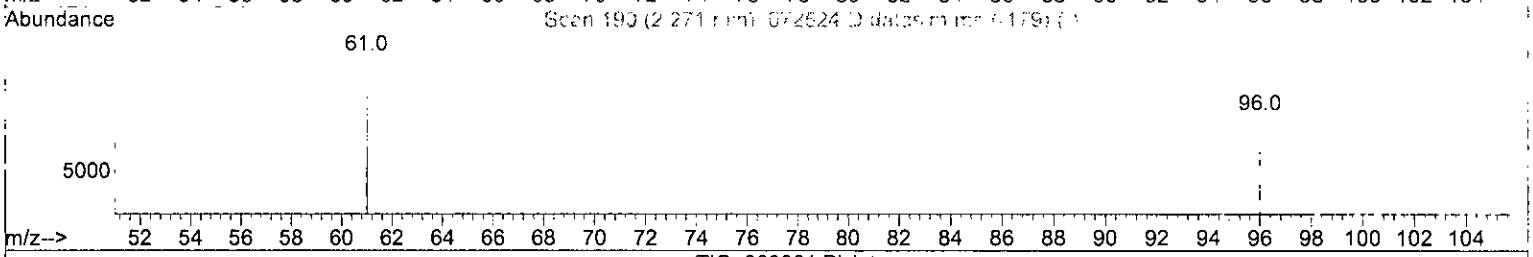
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:00:59 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080321.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.283min (+ 0.000) 0.175 ppb

response 504

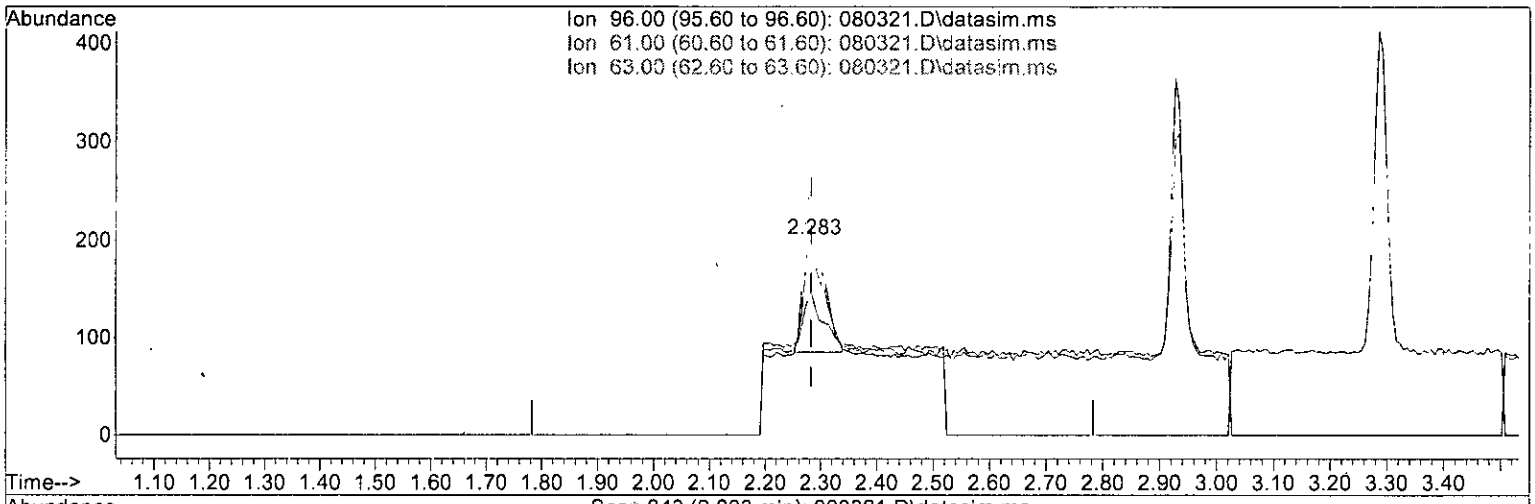
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	135.30	128.21
63.00	45.80	49.57
0.00	0.00	0.00

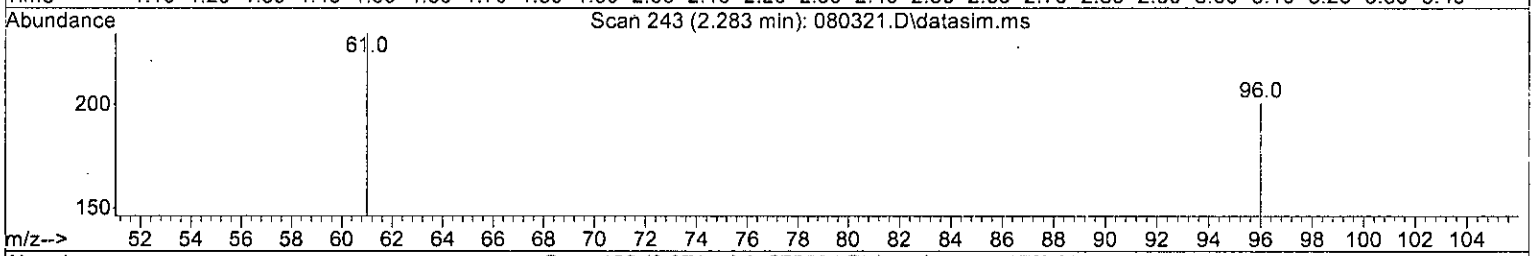
8/5 JM

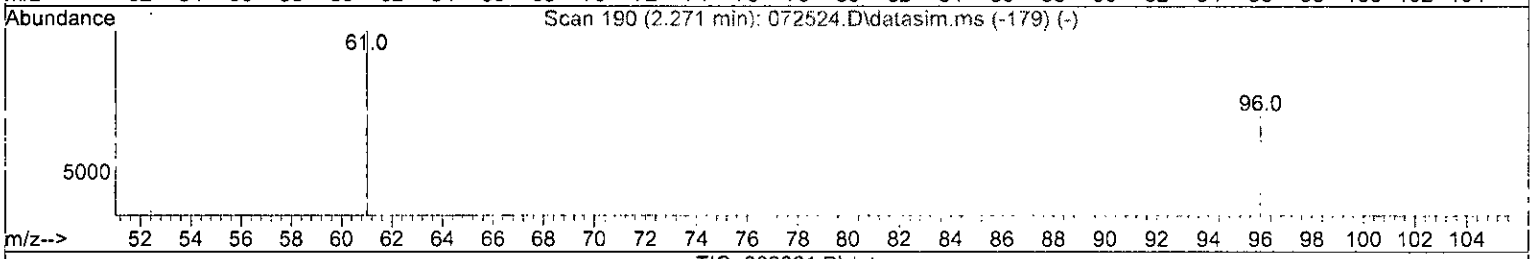
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:00:59 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080321.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.283min (+ 0.000) 0.101 ppb m

response 290

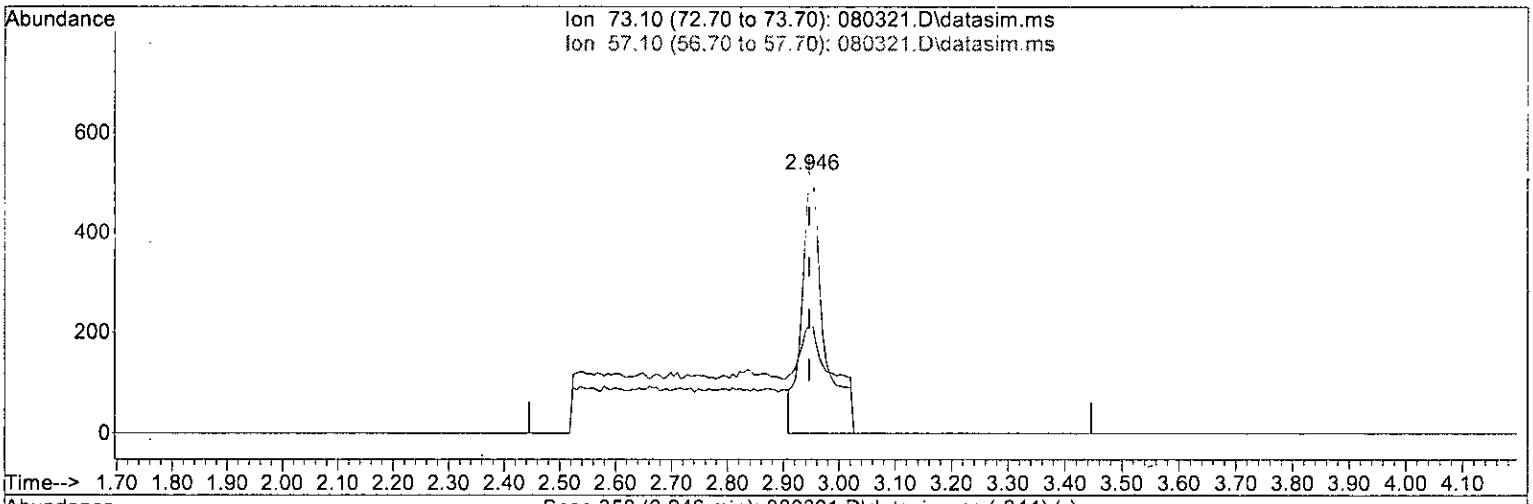
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	135.30	116.42
63.00	45.80	72.64
0.00	0.00	0.00

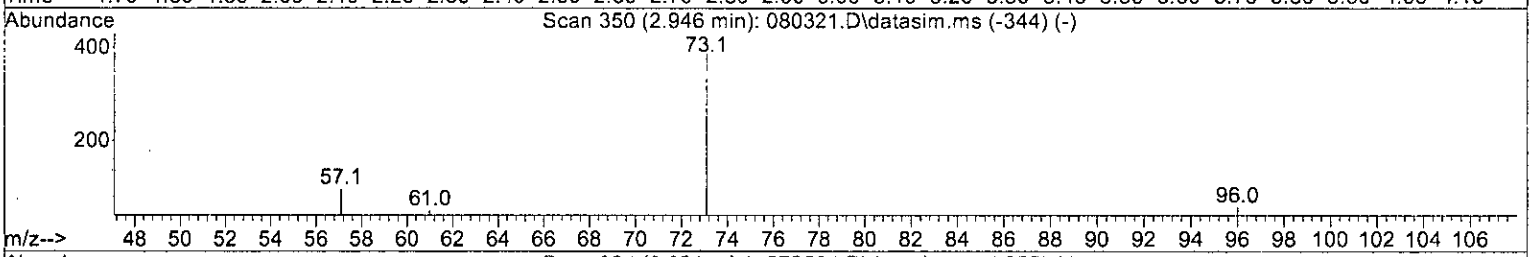
8/5 JCM

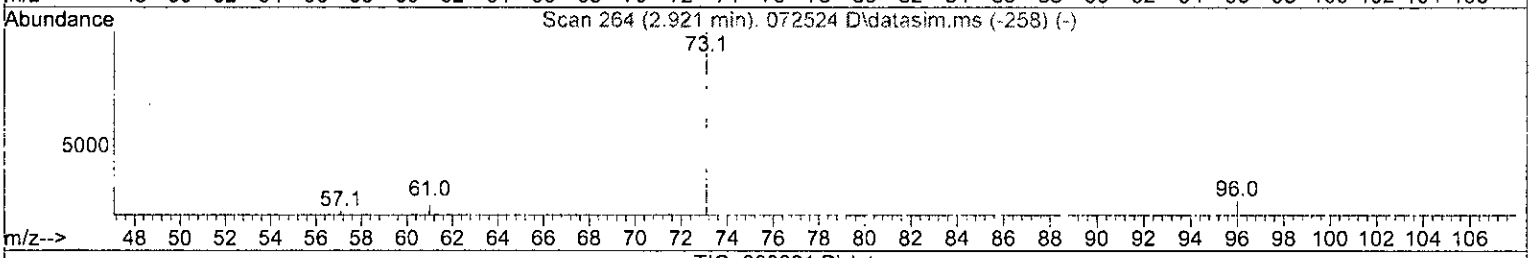
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:00:59 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080321.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.946min (-0.000) 0.165 ppb

response 1429

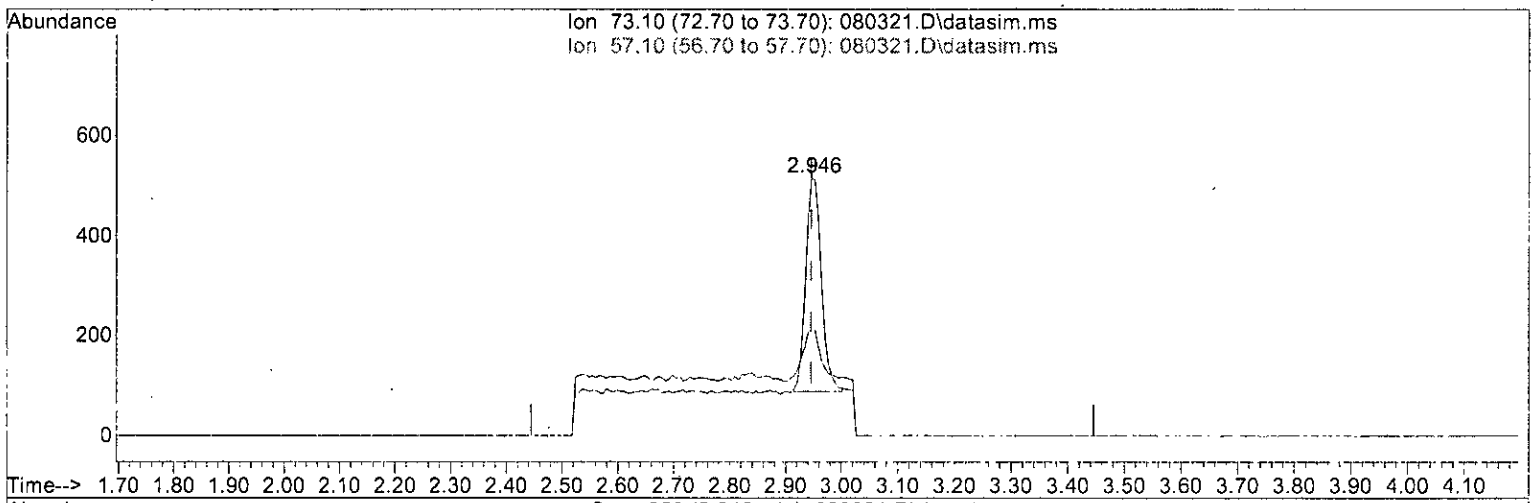
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	17.70	40.70
0.00	0.00	0.00
0.00	0.00	0.00

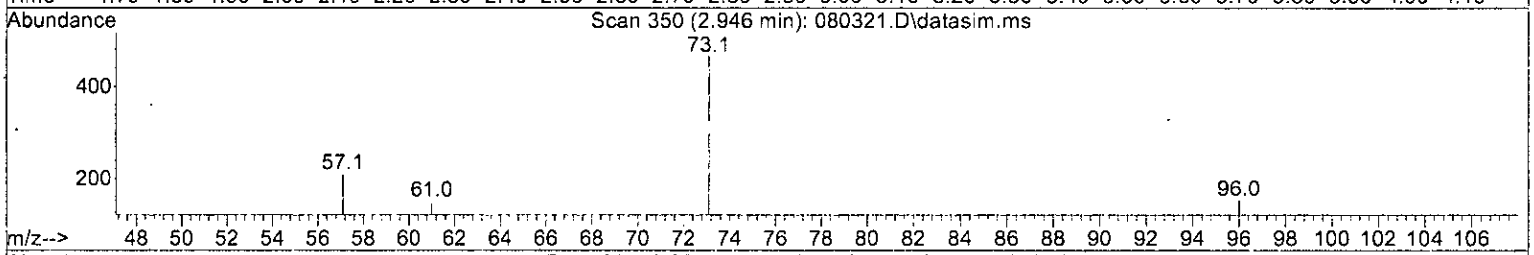
8/5 AM

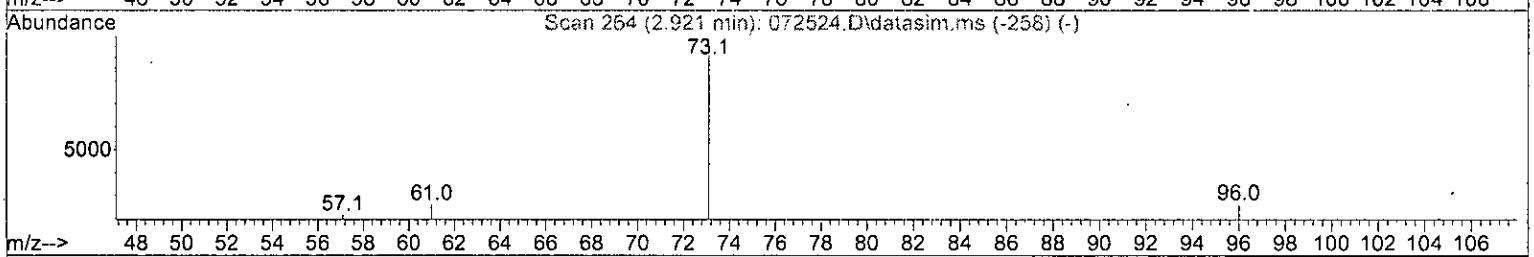
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:00:59 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080321.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.946min (-0.000) 0.097 ppb m

response 840

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	17.70	40.70
0.00	0.00	0.00
0.00	0.00	0.00

8/5 JCM

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:41 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.01
3	S	Dibromofluoromethane	10.000	9.677	3.2	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.27#
6	TMP	Vinyl chloride	0.100	0.110	-10.0	128	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.60#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.01
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.34#
12	TMP	1,1-Dichloroethene	0.100	0.101	-1.0	95	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.17#
14	TMP	Methylene chloride	-1.000	-1.000	0.0	0	0.00
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.83#
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.097	3.0	98	0.00
17	TMP	trans-1,2-Dichloroethene	0.100	0.100	0.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.36#
19	TMP	1,1-Dichloroethane	0.100	0.100	0.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.67#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.78#
22	TMP	cis-1,2-Dichloroethene	0.100	0.101	-1.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.05#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.80#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.62#
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.098	2.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.100	0.098	2.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.34#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.34#
30	S	1,2-Dichloroethane-d4	10.000	9.446	5.5	100	0.00
31	TMP	Benzene	0.100	0.101	-1.0	100	0.00
32	TMP	Trichloroethene	0.100	0.101	-1.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.25#
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.49#
35	S	Toluene-d8	10.000	9.527	4.7	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.35#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.02#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.88#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.101	-1.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.37#
42	TMP	1,1,2-Trichloroethane	0.100	0.105	-5.0	100	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.77#
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.68#
45	TMP	Tetrachloroethene	0.100	0.103	-3.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.89#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.108	-8.0	100	0.00

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:41 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.100	0.000	100.0#	0	-7.44#
49	TMP	Ethylbenzene	0.100	0.106	-6.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.52#
51	TMP	m,p-Xylene	0.200	0.209	-4.5	100	0.00
52	TMP	o-Xylene	0.100	0.107	-7.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.04#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.38#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.605	-6.1	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.77#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.94#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.66#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.70#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.95#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.26#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.30#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.47#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.61#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.56#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.65#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.60#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.78#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.84#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.08#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:41 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.01
3	S	Dibromofluoromethane	0.279	0.270	3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.000#	100.0#	0#	-1.12#
5	TMP	Chloromethane	0.324	0.000#	100.0#	0#	-1.27#
6	TMP	Vinyl chloride	0.333	0.365	-9.6	128	0.00
7	TMP	Bromomethane	0.204	0.000#	100.0#	0#	-1.60#
8	TMP	Chloroethane	0.114	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	0.577	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.01
11	TMP	Acetone	0.024	0.000#	100.0#	0#	-2.34#
12	TMP	1,1-Dichloroethene	0.276	0.278	-0.7	95	0.00
13	TMP	Hexane	0.347	0.000#	100.0#	0#	-3.17#
14	TMP	Methylene chloride	0.363	0.000#	100.0#	0#	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.83#
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.804	2.8	98	0.00
17	TMP	trans-1,2-Dichloroethene	0.328	0.329	-0.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.765	0.000#	100.0#	0#	-3.36#
19	TMP	1,1-Dichloroethane	0.510	0.511	-0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.000#	100.0#	0#	-3.67#
21	TMP	2,2-Dichloropropane	0.288	0.000#	100.0#	0#	-3.78#
22	TMP	cis-1,2-Dichloroethene	0.345	0.348	-0.9	100	0.00
23	TMP	Chloroform	0.519	0.000#	100.0#	0#	-4.05#
24	TMP	2-Butanone (MEK)	0.136	0.000#	100.0#	0#	-3.80#
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.000#	100.0#	0#	-4.62#
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.468	-7.8	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.484	2.0	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.000#	100.0#	0#	-4.34#
29	TMP	Carbon tetrachloride	0.400	0.000#	100.0#	0#	-4.34#
30	S	1,2-Dichloroethane-d4	0.060	0.056	6.7	100	0.00
31	TMP	Benzene	1.240	1.252	-1.0	100	0.00
32	TMP	Trichloroethene	0.358	0.361	-0.8	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.000#	100.0#	0#	-5.25#
34	TMP	Bromodichloromethane	0.393	0.000#	100.0#	0#	-5.49#
35	S	Toluene-d8	1.013	0.965	4.7	100	0.00
36	TMP	Dibromomethane	0.197	0.000#	100.0#	0#	-5.35#
37	TMP	4-Methyl-2-pentanone	0.053	0.000#	100.0#	0#	-6.02#
38	TMP	cis-1,3-Dichloropropene	0.461	0.000#	100.0#	0#	-5.88#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	1.134	-5.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.000#	100.0#	0#	-6.37#
42	TMP	1,1,2-Trichloroethane	0.348	0.365	-4.9	100	0.00
43	TMP	2-Hexanone	0.262	0.000#	100.0#	0#	-6.77#
44	TMP	1,3-Dichloropropane	0.539	0.000#	100.0#	0#	-6.68#
45	TMP	Tetrachloroethene	0.380	0.414	-8.9	100	0.00
46	TMP	Dibromochloromethane	0.406	0.000#	100.0#	0#	-6.89#
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.457	-7.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:41 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.000#	100.0#	0#	-7.44#
49	TMP	Ethylbenzene	1.938	2.054	-6.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.000#	100.0#	0#	-7.52#
51	TMP	m,p-Xylene	0.711	0.767	-7.9	100	0.00
52	TMP	o-Xylene	0.690	0.737	-6.8	100	0.00
53	TMP	Styrene	0.959	0.000#	100.0#	0#	-8.04#
54	TMP	Isopropylbenzene	1.552	0.000#	100.0#	0#	-8.38#
55	TMP	Bromoform	0.258	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	1.038	-6.0	100	0.00
58	TMP	n-Propylbenzene	3.720	0.000#	100.0#	0#	-8.77#
59	TMP	Bromobenzene	0.767	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	2.440	0.000#	100.0#	0#	-8.94#
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.000#	100.0#	0#	-8.66#
62	TMP	1,2,3-Trichloropropane	0.634	0.000#	100.0#	0#	-8.70#
63	TMP	2-Chlorotoluene	2.102	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	2.486	0.000#	100.0#	0#	-8.95#
65	TMP	tert-Butylbenzene	2.175	0.000#	100.0#	0#	-9.26#
66	TMP	1,2,4-Trimethylbenzene	2.567	0.000#	100.0#	0#	-9.30#
67	TMP	sec-Butylbenzene	3.249	0.000#	100.0#	0#	-9.47#
68	TMP	p-Isopropyltoluene	2.642	0.000#	100.0#	0#	-9.61#
69	TMP	1,3-Dichlorobenzene	1.422	0.000#	100.0#	0#	-9.56#
70	TMP	1,4-Dichlorobenzene	1.398	0.000#	100.0#	0#	-9.65#
71	TMP	1,2-Dichlorobenzene	1.367	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.000#	100.0#	0#	-10.78#
73	TMP	1,2,4-Trichlorobenzene	0.840	0.000#	100.0#	0#	-11.60#
74	TMP	Hexachlorobutadiene	0.449	0.000#	100.0#	0#	-11.78#
75	TMP	Naphthalene	1.902	0.000#	100.0#	0#	-11.84#
76	TMP	1,2,3-Trichlorobenzene	0.732	0.000#	100.0#	0#	-12.08#

(#) = Out of Range SPCC's out = 51 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:41 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	104481	10.000 ppb		0.00
39) Chlorobenzene-d5	7.41	117	73513	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	35666	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.19	113	28215m	9.677 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	96.80%		
30) 1,2-Dichloroethane-d4	4.47	102	5902	9.446 ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery =	94.50%		
35) Toluene-d8	6.11	98	100876	9.527 ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery =	95.30%		
57) 4-Bromofluorobenzene	8.52	95	37012	10.605 ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery =	106.00%		
Target Compounds						Qvalue
2) Ethanol	2.35	45	856	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D. d		
5) Chloromethane	0.00		0	N.D. d		
6] Vinyl chloride	1.35	62	381	0.110 ppb		94
7) Bromomethane	0.00		0	N.D. d		
8) Chloroethane	0.00		0	N.D. d		
9) Trichlorofluoromethane	0.00		0	N.D. d		
10) 2-Propanol	2.35	45	856	No Calib		
11) Acetone	0.00		0	N.D. d		
12] 1,1-Dichloroethene	2.28	96	290m	0.101 ppb		
13) Hexane	0.00		0	N.D. d		
14) Methylene chloride	2.70	84	16105	Below Cal		96
15) t-Butyl alcohol (TBA)	0.00		0	N.D. d		
16] Methyl t-butyl ether (...	2.95	73	840m	0.097 ppb		
17] trans-1,2-Dichloroethene	2.93	96	344	0.100 ppb		87
18) Diisopropyl ether (DIPE)	0.00		0	N.D. d		
19] 1,1-Dichloroethane	3.29	63	534	0.100 ppb		97
20) Ethyl t-butyl ether (E...	0.00		0	N.D. d		
21) 2,2-Dichloropropane	0.00		0	N.D. d		
22] cis-1,2-Dichloroethene	3.78	96	364	0.101 ppb		99
23) Chloroform	0.00		0	N.D. d		
24) 2-Butanone (MEK)	0.00		0	N.D. d		
25) t-Amyl methyl ether (T...	0.00		0	N.D. d		
26] 1,2-Dichloroethane (EDC)	4.53	62	489	0.098 ppb		92
27] 1,1,1-Trichloroethane	4.20	97	506	0.098 ppb		97
28) 1,1-Dichloropropene	0.00		0	N.D. d		
29) Carbon tetrachloride	0.00		0	N.D. d		
31] Benzene	4.51	78	1308	0.101 ppb		95
32] Trichloroethene	5.06	95	377	0.101 ppb	#	78
33) 1,2-Dichloropropane	0.00		0	N.D. d		
34) Bromodichloromethane	0.00		0	N.D. d		
36) Dibromomethane	0.00		0	N.D. d		
37) 4-Methyl-2-pentanone	0.00		0	N.D. d		
38) cis-1,3-Dichloropropene	0.00		0	N.D. d		
40] Toluene	6.17	92	834	0.101 ppb		95
41) trans-1,3-Dichloropropene	0.00		0	N.D. d		

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:41 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

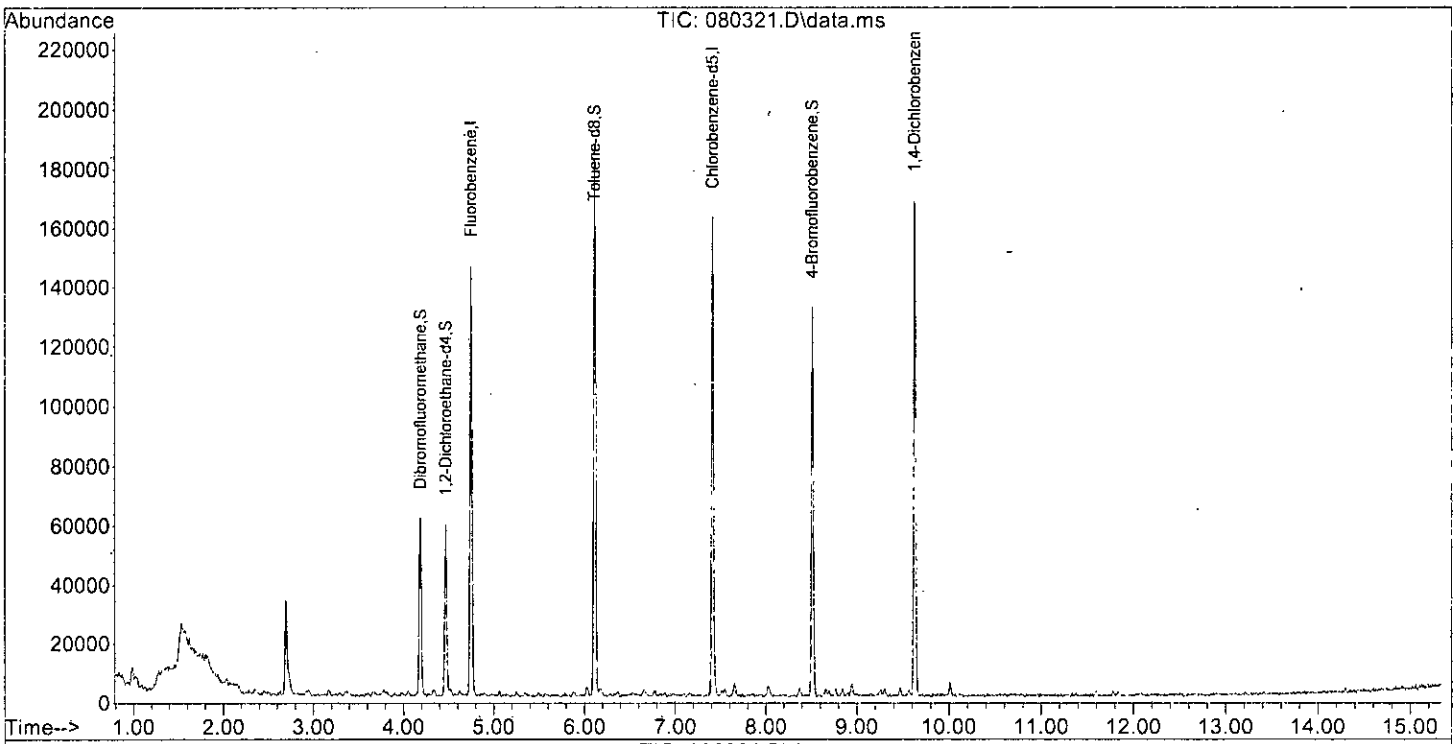
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	268	0.105 ppb #	62
43) 2-Hexanone	0.00		0	N.D. d	
44) 1,3-Dichloropropane	0.00		0	N.D. d	
45] Tetrachloroethene	6.65	164	304	0.103 ppb	85
46) Dibromochloromethane	0.00		0	N.D. d	
47] 1,2-Dibromoethane (EDB)	6.99	107	336	0.108 ppb	86
48) Chlorobenzene	0.00		0	N.D. d	
49] Ethylbenzene	7.55	91	1510	0.106 ppb	91
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D. d	
51] m,p-Xylene	7.66	106	1128	0.209 ppb	87
52] o-Xylene	8.03	106	542	0.107 ppb	96
53) Styrene	0.00		0	N.D. d	
54) Isopropylbenzene	0.00		0	N.D. d	
55) Bromoform	0.00		0	N.D. d	
58) n-Propylbenzene	0.00		0	N.D. d	
59) Bromobenzene	0.00		0	N.D. d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D. d	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D. d	
64) 4-Chlorotoluene	0.00		0	N.D. d	
65) tert-Butylbenzene	0.00		0	N.D. d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d	
67) sec-Butylbenzene	0.00		0	N.D. d	
68) p-Isopropyltoluene	0.00		0	N.D. d	
69) 1,3-Dichlorobenzene	0.00		0	N.D. d	
70) 1,4-Dichlorobenzene	0.00		0	N.D. d	
71) 1,2-Dichlorobenzene	0.00		0	N.D. d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D. d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d	
74) Hexachlorobutadiene	0.00		0	N.D. d	
75) Naphthalene	0.00		0	N.D. d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d	

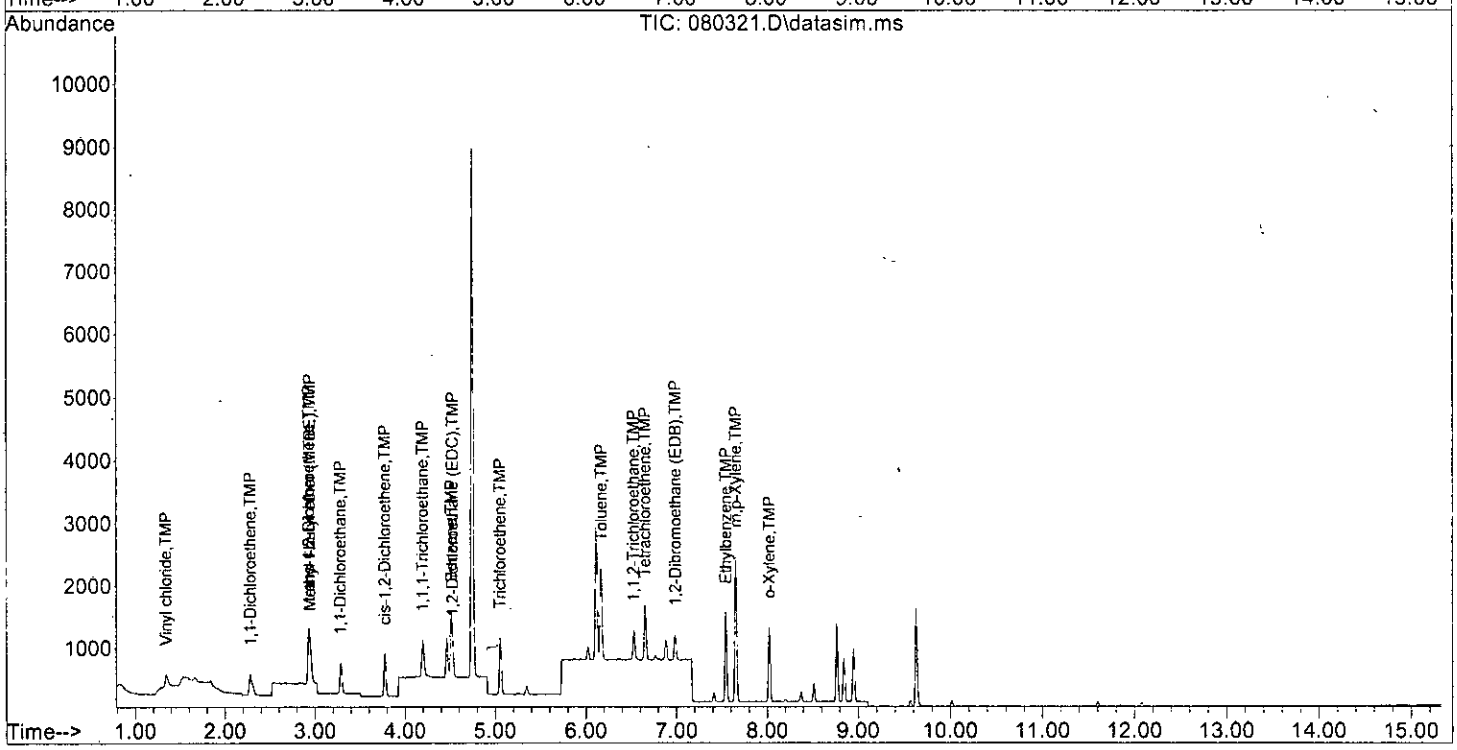
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080321.D
Acq On : 03 Aug 2022 08:40 pm
Operator : JCM
Sample : 0.1 ppb 8260 ICAL 67-43H
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:46:41 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

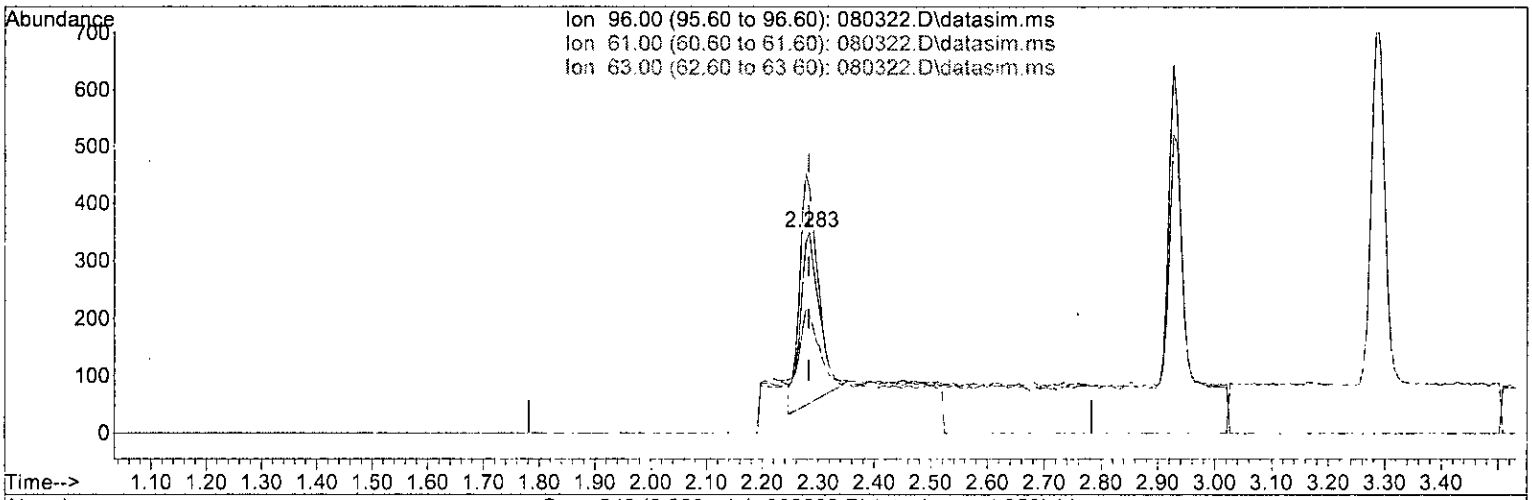


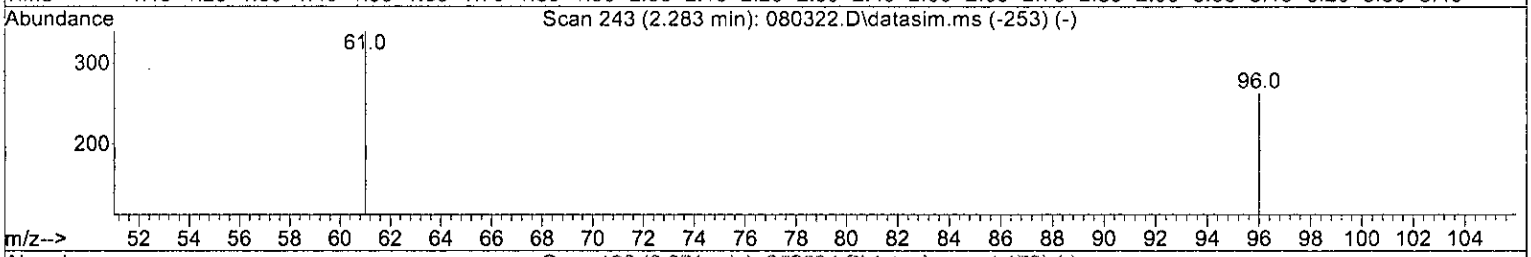


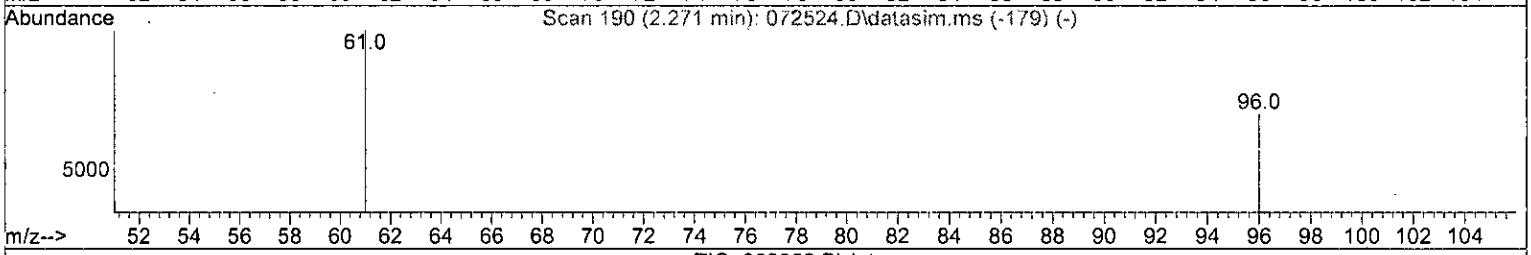
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:01 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080322.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.283min (+ 0.000) 0.256 ppb

response 715

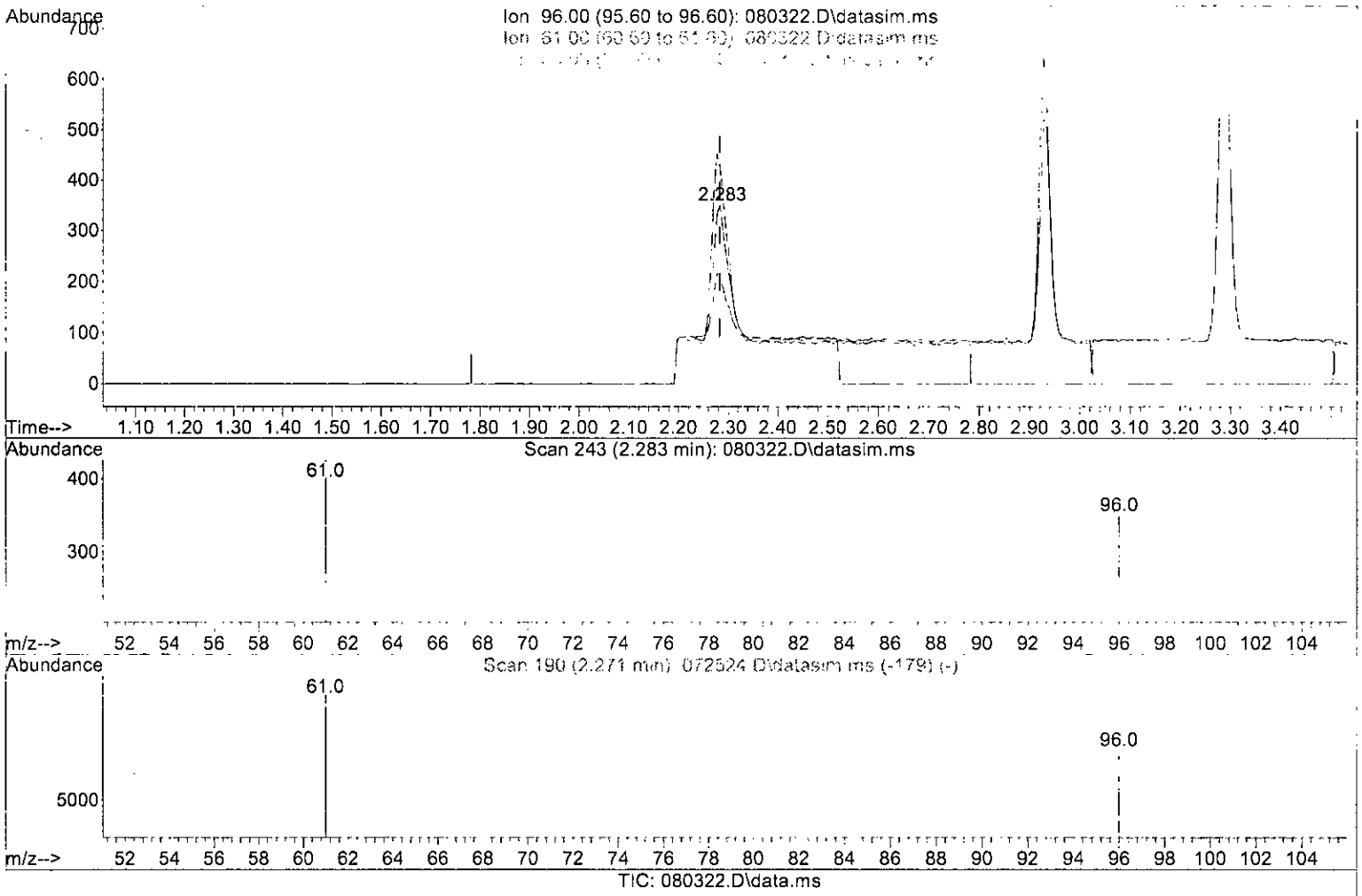
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	135.30	130.19
63.00	45.80	42.64
0.00	0.00	0.00

8/5 am

Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:01 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 080322.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.283min (+ 0.000) 0.200 ppb m

response 560

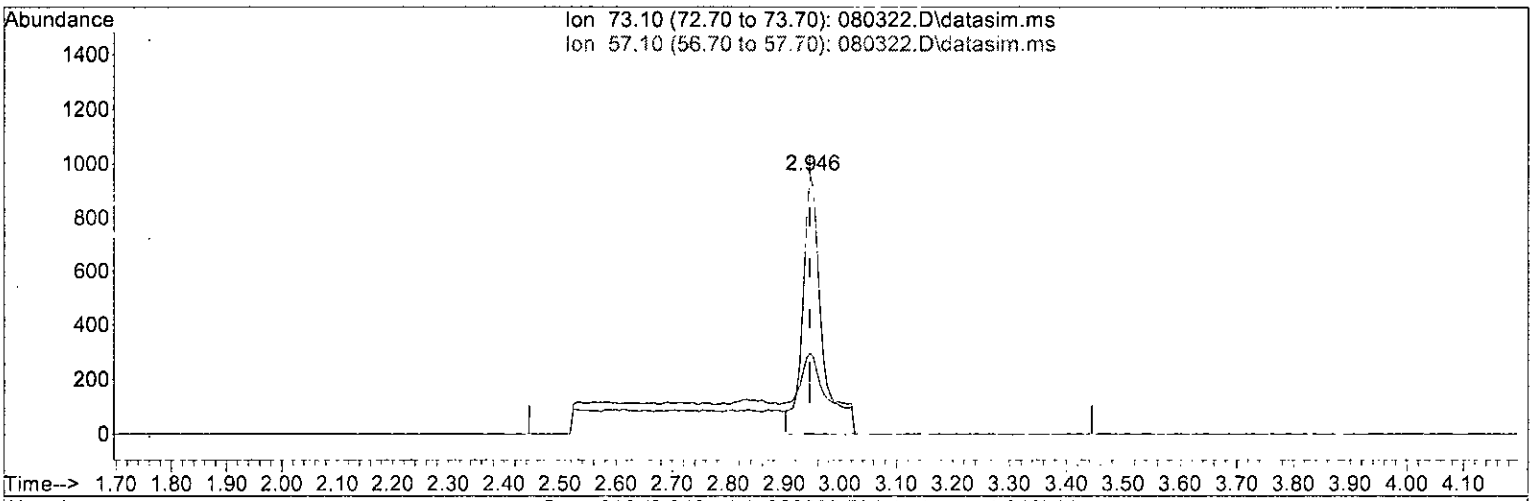
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	135.30	121.71
63.00	45.80	58.86
0.00	0.00	0.00

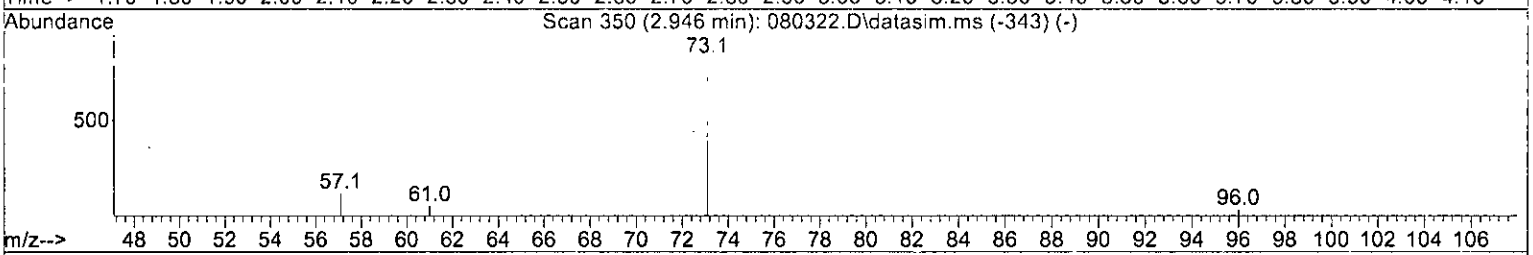
8/5 JCM

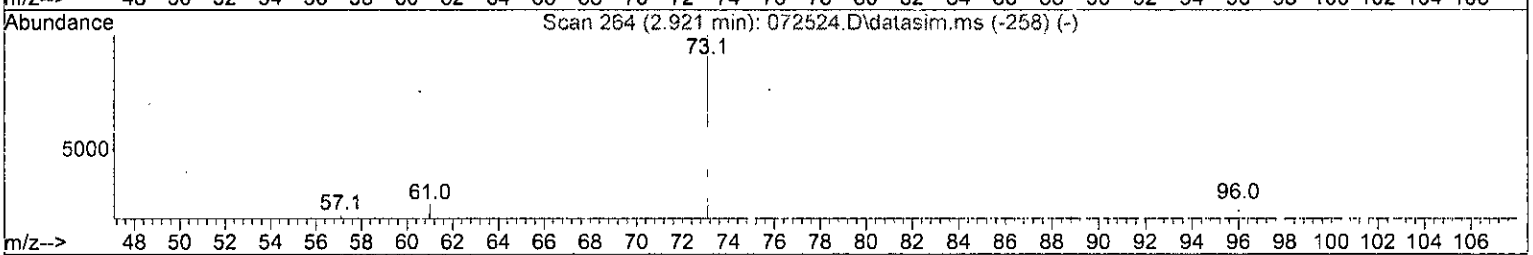
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:01 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080322.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.946min (+ 0.000) 0.271 ppb

response 2274

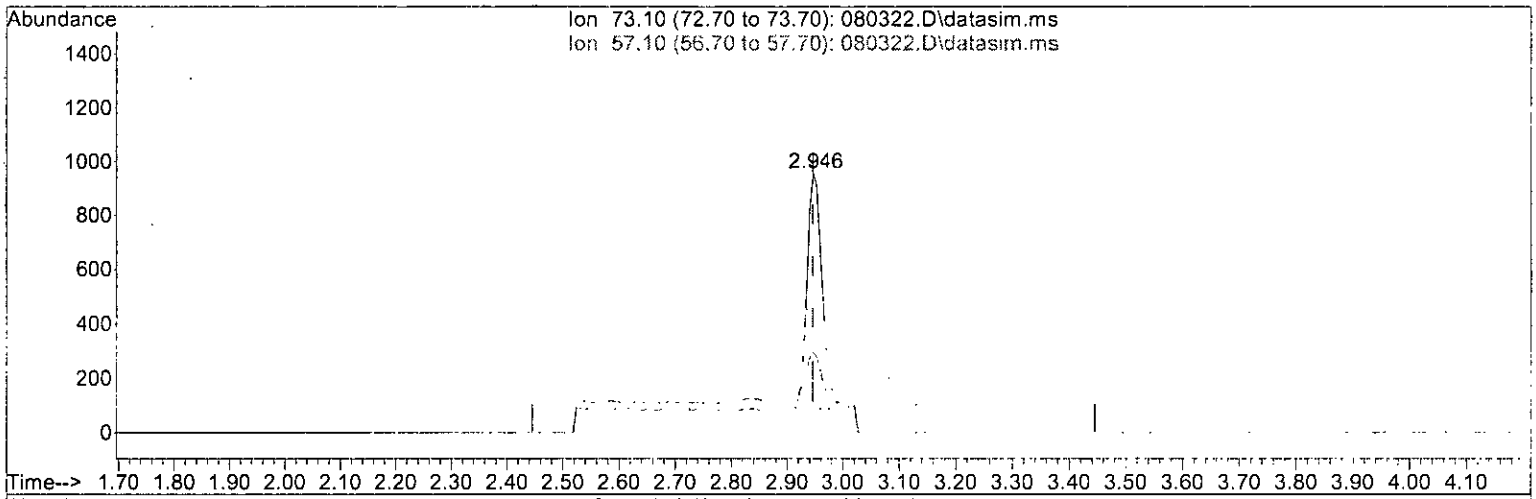
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	17.70	30.93
0.00	0.00	0.00
0.00	0.00	0.00

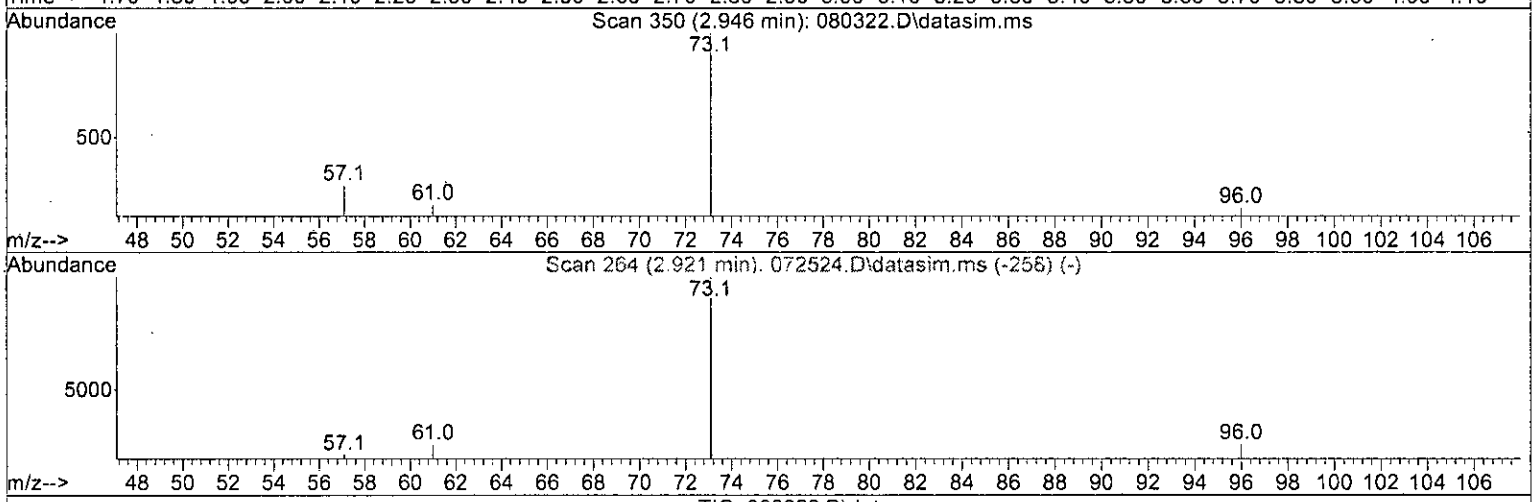
8/5 OM

Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:01 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080322.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.946min (+ 0.000) 0.193 ppb m

response 1622

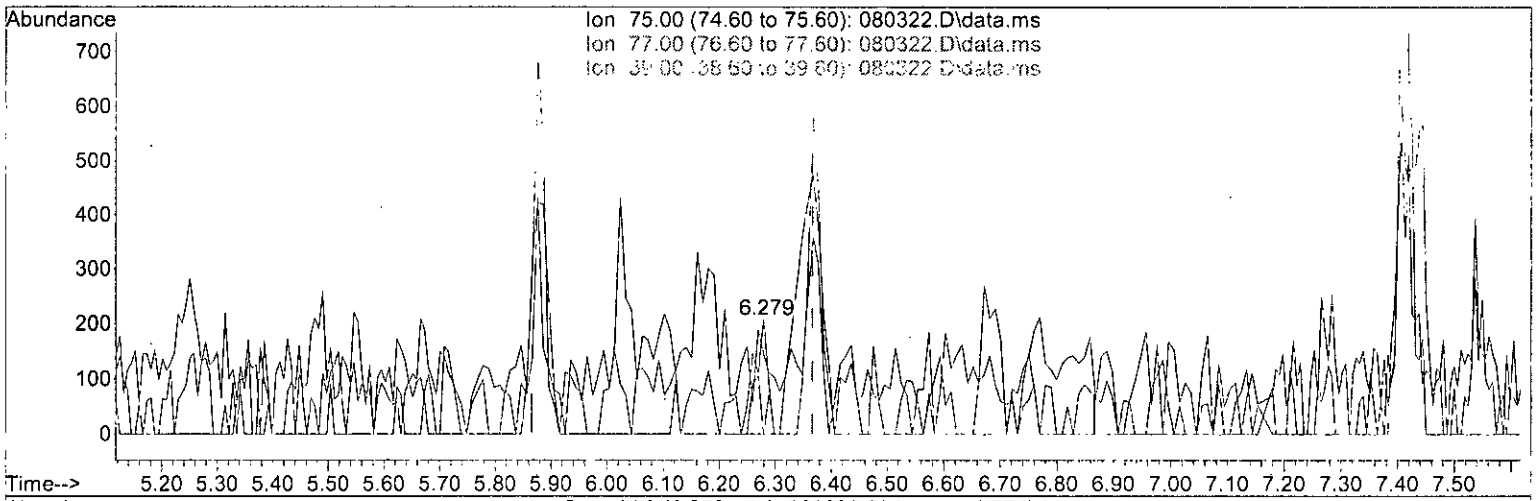
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	17.70	30.93
0.00	0.00	0.00
0.00	0.00	0.00

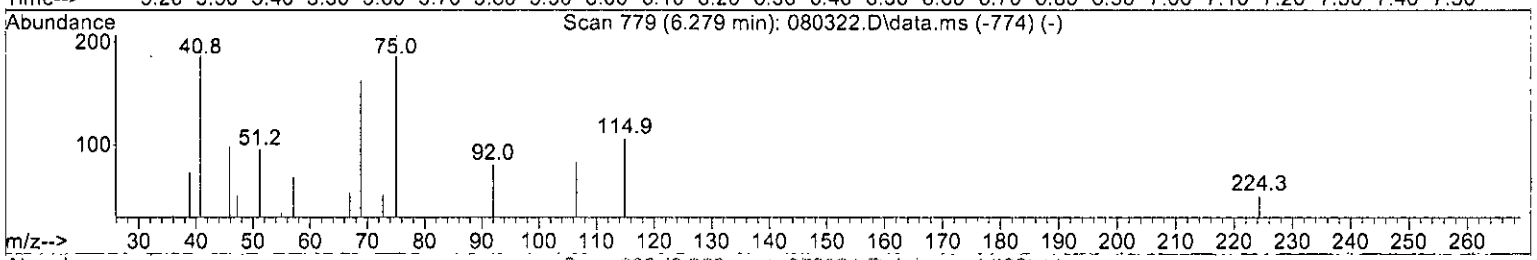
8/5 JCM

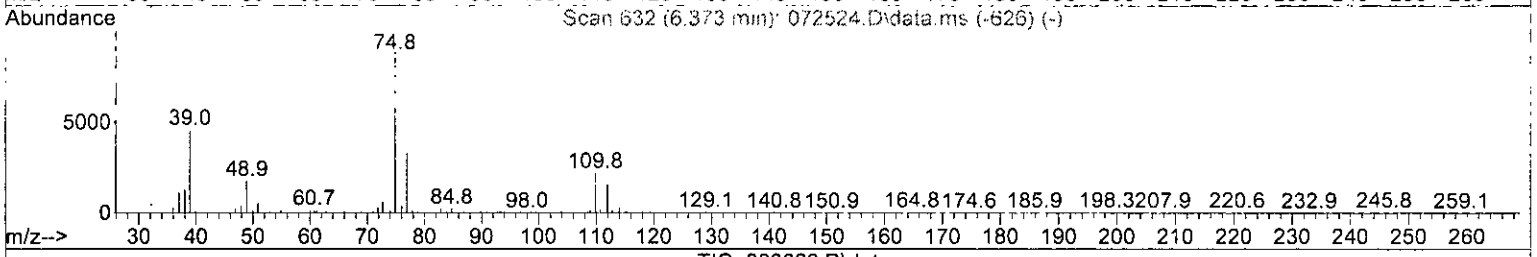
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:01 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080322.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.279min (-0.088) 0.089 ppb

response 358

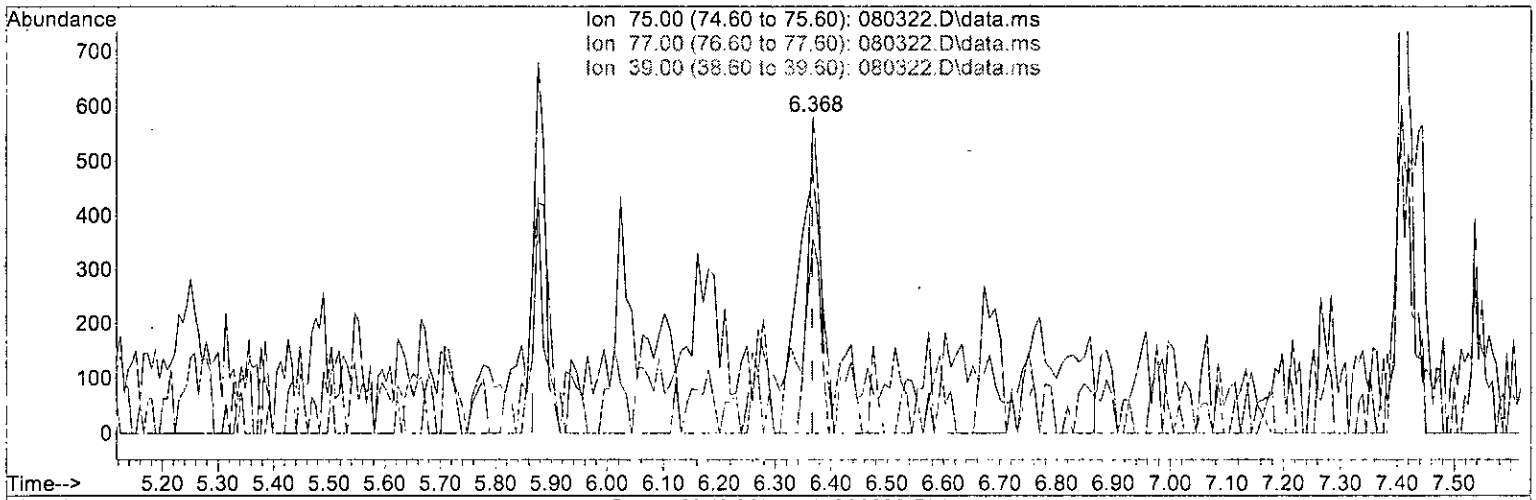
Ion	Exp%	Act%
75.00	100.00	100.00
77.00	28.60	0.00
39.00	53.20	35.27
0.00	0.00	0.00

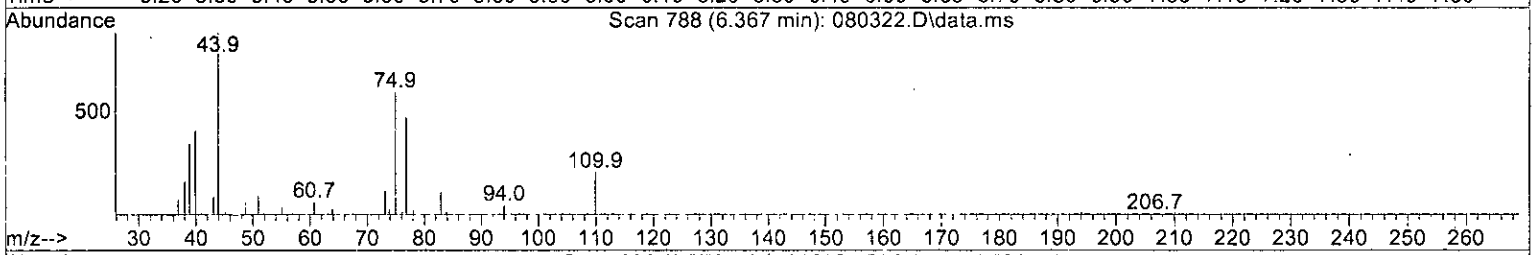
8/5 JCM

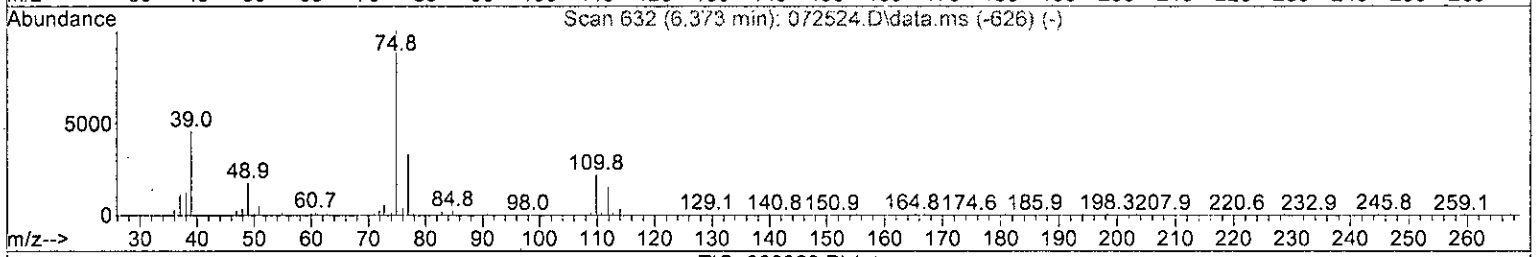
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:01 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080322.D\data.ms

(41) trans-1,3-Dichloropropene (TMP)

6.367min (+ 0.000) 0.240 ppb m

response 967

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	28.60	81.62#
39.00	53.70	61.34
0.00	0.00	0.00

8/5 AM

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:14:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.875	1.3	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.12#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.27#
6	TMP	Vinyl chloride	0.200	0.212	-6.0	107	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.60#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.34#
12	TMP	1,1-Dichloroethene	0.200	0.200	0.0	98	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.17#
14	TMP	Methylene chloride	-1.000	-1.000	0.0	0	0.00
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.83#
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.193	3.5	96	0.00
17	TMP	trans-1,2-Dichloroethene	0.200	0.198	1.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.200	0.230	-15.0	100	0.01
19	TMP	1,1-Dichloroethane	0.200	0.203	-1.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.230	-15.0	100	0.00
21	TMP	2,2-Dichloropropane	0.200	0.000	100.0#	0	-3.78#
22	TMP	cis-1,2-Dichloroethene	0.200	0.204	-2.0	100	0.00
23	TMP	Chloroform	0.200	0.241	-20.5#	100	0.00
24	TMP	2-Butanone (MEK)	1.000	1.207	-20.7#	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.203	-1.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.203	-1.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.200	0.200	0.0	100	0.00
28	TMP	1,1-Dichloropropene	0.200	0.195	2.5	100	0.00
29	TMP	Carbon tetrachloride	0.200	0.207	-3.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.109	-1.1	100	0.00
31	TMP	Benzene	0.200	0.203	-1.5	100	0.00
32	TMP	Trichloroethene	0.200	0.197	1.5	100	0.00
33	TMP	1,2-Dichloropropane	0.200	0.234	-17.0	100	0.00
34	TMP	Bromodichloromethane	0.200	0.230	-15.0	100	0.00
35	S	Toluene-d8	10.000	9.853	1.5	100	0.00
36	TMP	Dibromomethane	0.200	0.212	-6.0	100	0.00
37	TMP	4-Methyl-2-pentanone	1.000	1.281	-28.1#	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.200	0.217	-8.5	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.206	-3.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.200	0.240	-20.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.200	0.213	-6.5	100	0.00
43	TMP	2-Hexanone	1.000	1.402	-40.2#	147	0.00
44	TMP	1,3-Dichloropropane	0.200	0.202	-1.0	100	0.00
45	TMP	Tetrachloroethene	0.200	0.203	-1.5	100	0.00
46	TMP	Dibromochloromethane	0.200	0.214	-7.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.201	-0.5	100	0.00

8/5 ok

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:14:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.200	0.228	-14.0	100	0.00
49	TMP	Ethylbenzene	0.200	0.207	-3.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.240	-20.0	100	0.00
51	TMP	m,p-Xylene	0.400	0.416	-4.0	100	0.00
52	TMP	o-Xylene	0.200	0.208	-4.0	100	0.00
53	TMP	Styrene	0.200	0.242	-21.0#	100	0.00
54	TMP	Isopropylbenzene	0.200	0.236	-18.0	100	0.00
55	TMP	Bromoform	0.200	0.220	-10.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.291	-2.9	100	0.00
58	TMP	n-Propylbenzene	0.200	0.238	-19.0	100	0.00
59	TMP	Bromobenzene	0.200	0.230	-15.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.200	0.220	-10.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.253	-26.5#	100	0.00
62	TMP	1,2,3-Trichloropropane	0.200	0.000	100.0#	0	-8.70#
63	TMP	2-Chlorotoluene	0.200	0.245	-22.5#	100	0.00
64	TMP	4-Chlorotoluene	0.200	0.262	-31.0#	100	0.00
65	TMP	tert-Butylbenzene	0.200	0.232	-16.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.200	0.236	-18.0	100	0.00
67	TMP	sec-Butylbenzene	0.200	0.229	-14.5	100	0.00
68	TMP	p-Isopropyltoluene	0.200	0.228	-14.0	100	0.00
69	TMP	1,3-Dichlorobenzene	0.200	0.223	-11.5	100	0.00
70	TMP	1,4-Dichlorobenzene	0.200	0.242	-21.0#	100	0.00
71	TMP	1,2-Dichlorobenzene	0.200	0.235	-17.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73	TMP	1,2,4-Trichlorobenzene	0.200	0.219	-9.5	100	0.00
74	TMP	Hexachlorobutadiene	0.200	0.245	-22.5#	100	0.00
75	TMP	Naphthalene	0.200	0.205	-2.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.200	0.217	-8.5	100	0.00

OK 8/5 sm

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:14:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.279	0.276	1.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.000#	100.0#	0#	-1.12#
5	TMP	Chloromethane	0.324	0.000#	100.0#	0#	-1.27#
6	TMP	Vinyl chloride	0.333	0.352	-5.7	107	0.00
7	TMP	Bromomethane	0.204	0.000#	100.0#	0#	-1.60#
8	TMP	Chloroethane	0.114	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	0.577	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.000#	100.0#	0#	-2.34#
12	TMP	1,1-Dichloroethene	0.276	0.276	0.0	98	0.00
13	TMP	Hexane	0.347	0.000#	100.0#	0#	-3.17#
14	TMP	Methylene chloride	0.363	0.000#	100.0#	0#	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.83#
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.799	3.4	96	0.00
17	TMP	trans-1,2-Dichloroethene	0.328	0.325	0.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.765	0.879	-14.9	100	0.01
19	TMP	1,1-Dichloroethane	0.510	0.517	-1.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.379	-14.8	100	0.00
21	TMP	2,2-Dichloropropane	0.288	0.000#	100.0#	0#	-3.78#
22	TMP	cis-1,2-Dichloroethene	0.345	0.351	-1.7	100	0.00
23	TMP	Chloroform	0.519	0.626	-20.6#	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.164	-20.6#	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.762	-1.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.438	-0.9	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.494	0.0	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.526	-33.2#	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.413	-3.2	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.060	0.0	100	0.00
31	TMP	Benzene	1.240	1.257	-1.4	100	0.00
32	TMP	Trichloroethene	0.358	0.353	1.4	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.326	-17.3	100	0.00
34	TMP	Bromodichloromethane	0.393	0.452	-15.0	100	0.00
35	S	Toluene-d8	1.013	0.999	1.4	100	0.00
36	TMP	Dibromomethane	0.197	0.209	-6.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.068	-28.3#	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.461	0.501	-8.7	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	1.099	-2.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.662	-20.1#	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.372	-6.9	100	0.00
43	TMP	2-Hexanone	0.262	0.368	-40.5#	147	0.00
44	TMP	1,3-Dichloropropane	0.539	0.545	-1.1	100	0.00
45	TMP	Tetrachloroethene	0.380	0.383	-0.8	100	0.00
46	TMP	Dibromochloromethane	0.406	0.434	-6.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.426	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:14:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	1.097	-13.9	100	0.00
49	TMP	Ethylbenzene	1.938	2.008	-3.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.412	-20.1#	100	0.00
51	TMP	m,p-Xylene	0.711	0.736	-3.5	100	0.00
52	TMP	o-Xylene	0.690	0.718	-4.1	100	0.00
53	TMP	Styrene	0.959	1.158	-20.8#	100	0.00
54	TMP	Isopropylbenzene	1.552	1.834	-18.2	100	0.00
55	TMP	Bromoform	0.258	0.283	-9.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	1.007	-2.9	100	0.00
58	TMP	n-Propylbenzene	3.720	4.431	-19.1	100	0.00
59	TMP	Bromobenzene	0.767	0.883	-15.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.682	-9.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	1.176	-26.3#	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.000#	100.0#	0#	-8.70#
63	TMP	2-Chlorotoluene	2.102	2.579	-22.7#	100	0.00
64	TMP	4-Chlorotoluene	2.486	3.253	-30.9#	100	0.00
65	TMP	tert-Butylbenzene	2.175	2.521	-15.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	3.023	-17.8	100	0.00
67	TMP	sec-Butylbenzene	3.249	3.725	-14.7	100	0.00
68	TMP	p-Isopropyltoluene	2.642	3.010	-13.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.586	-11.5	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.691	-21.0#	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.609	-17.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.000#	100.0#	0#	-10.78#
73	TMP	1,2,4-Trichlorobenzene	0.840	0.919	-9.4	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.551	-22.7#	100	0.00
75	TMP	Naphthalene	1.902	1.945	-2.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.795	-8.6	100	0.00

(#) = Out of Range SPCC's out = 13 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:14:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	101484	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	73047	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	35962	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	27966	9.875	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 98.80%				
30) 1,2-Dichloroethane-d4	4.47	102	6135	10.109	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 101.10%				
35) Toluene-d8	6.11	98	101333	9.853	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 98.50%				
57) 4-Bromofluorobenzene	8.52	95	36216	10.291	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 102.90%				
Target Compounds							Qvalue
2) Ethanol	2.34	45	550	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.35	62	715	0.212	ppb		99
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	2.34	45	550	No Calib			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.28	96	560m	0.200	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	2.70	84	18016	Below Cal			90
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.95	73	1622m	0.193	ppb		
17] trans-1,2-Dichloroethene	2.93	96	659	0.198	ppb		97
18) Diisopropyl ether (DIPE)	3.37	45	1784	0.230	ppb		85
19] 1,1-Dichloroethane	3.29	63	1049	0.203	ppb		100
20) Ethyl t-butyl ether (E...	3.67	87	770	0.230	ppb	#	73
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.78	96	712	0.204	ppb		99
23) Chloroform	4.05	83	1270	0.241	ppb		88
24) 2-Butanone (MEK)	3.81	43	1663	1.207	ppb		96
25) t-Amyl methyl ether (T...	4.63	73	1547	0.203	ppb		97
26] 1,2-Dichloroethane (EDC)	4.53	62	888	0.203	ppb		96
27] 1,1,1-Trichloroethane	4.20	97	1002	0.200	ppb		97
28) 1,1-Dichloropropene	4.35	75	1067	0.195	ppb		67
29) Carbon tetrachloride	4.34	117	838	0.207	ppb		86
31] Benzene	4.51	78	2551	0.203	ppb		94
32] Trichloroethene	5.06	95	717	0.197	ppb	#	80
33) 1,2-Dichloropropane	5.25	63	661	0.234	ppb	#	79
34) Bromodichloromethane	5.49	83	918	0.230	ppb		90
36) Dibromomethane	5.35	93	424	0.212	ppb		88
37) 4-Methyl-2-pentanone	6.03	85	688	1.281	ppb	#	59
38) cis-1,3-Dichloropropene	5.88	75	1016	0.217	ppb		85
40] Toluene	6.16	92	1606	0.206	ppb		97
41) trans-1,3-Dichloropropene	6.37	75	967m	0.240	ppb		

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:14:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

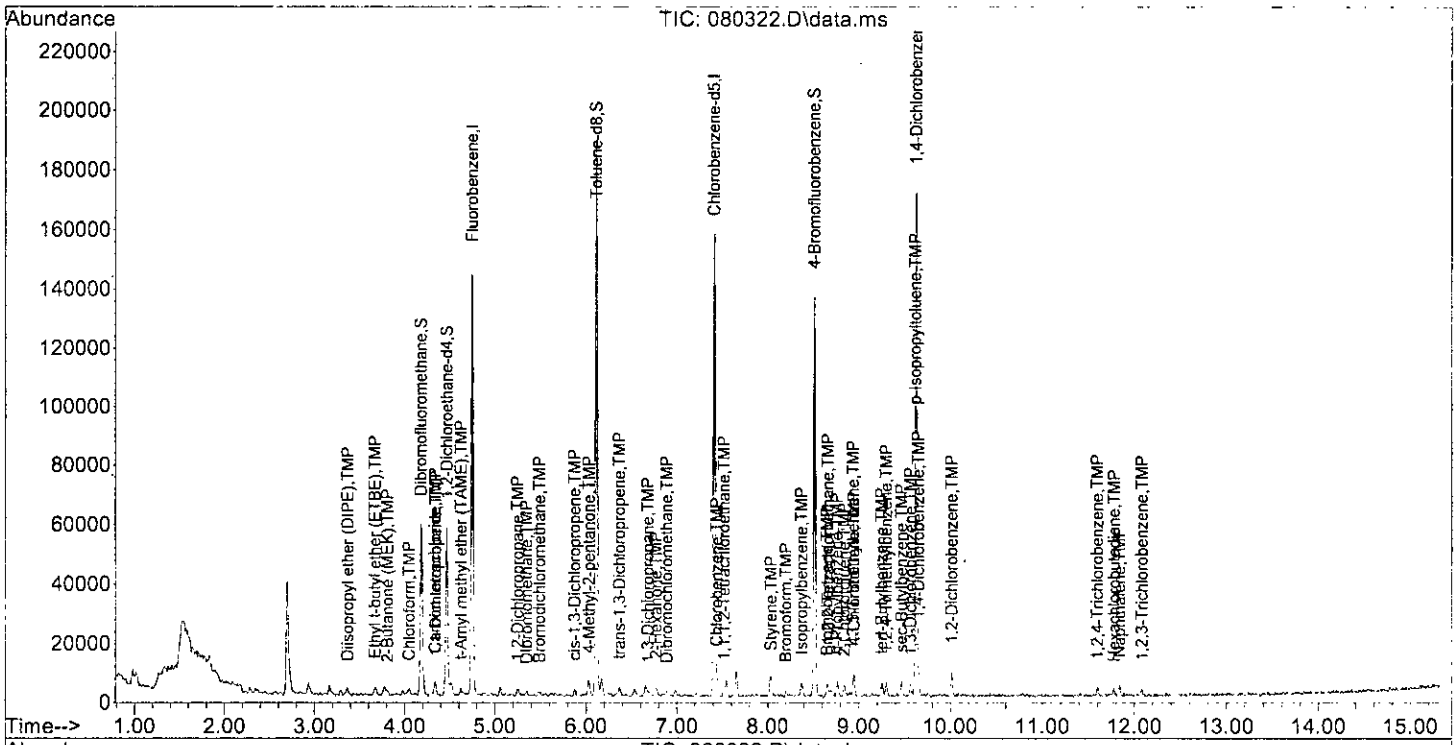
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	543	0.213	ppb	#	58
43) 2-Hexanone	6.77	43	2686	1.402	ppb		95
44) 1,3-Dichloropropane	6.68	76	796	0.202	ppb		87
45] Tetrachloroethene	6.65	164	559	0.203	ppb		89
46) Dibromochloromethane	6.89	129	634	0.214	ppb		88
47] 1,2-Dibromoethane (EDB)	6.98	107	623	0.201	ppb		83
48) Chlorobenzene	7.44	112	1603	0.228	ppb		93
49] Ethylbenzene	7.55	91	2933	0.207	ppb		93
50) 1,1,1,2-Tetrachloroethane	7.52	131	602	0.240	ppb	#	48
51] m,p-Xylene	7.66	106	2150	0.416	ppb		84
52] o-Xylene	8.03	106	1049	0.208	ppb		99
53) Styrene	8.04	104	1692	0.242	ppb		100
54) Isopropylbenzene	8.37	105	2680	0.236	ppb		98
55) Bromoform	8.20	173	414	0.220	ppb		87
58) n-Propylbenzene	8.76	91	3187	0.238	ppb		83
59) Bromobenzene	8.65	156	635	0.230	ppb	#	70
60) 1,3,5-Trimethylbenzene	8.94	105	1929	0.220	ppb		96
61) 1,1,2,2-Tetrachloroethane	8.66	83	846	0.253	ppb		87
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	8.84	91	1855	0.245	ppb		85
64) 4-Chlorotoluene	8.95	91	2340	0.262	ppb		77
65) tert-Butylbenzene	9.25	119	1813	0.232	ppb		83
66) 1,2,4-Trimethylbenzene	9.30	105	2174	0.236	ppb		80
67) sec-Butylbenzene	9.47	105	2679	0.229	ppb		78
68) p-Isopropyltoluene	9.62	119	2165	0.228	ppb		92
69) 1,3-Dichlorobenzene	9.56	146	1141	0.223	ppb		84
70) 1,4-Dichlorobenzene	9.65	146	1216	0.242	ppb		88
71) 1,2-Dichlorobenzene	10.01	146	1157	0.235	ppb		86
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.60	180	661	0.219	ppb	#	61
74) Hexachlorobutadiene	11.78	225	396	0.245	ppb	#	75
75) Naphthalene	11.84	128	1399	0.205	ppb		95
76) 1,2,3-Trichlorobenzene	12.08	180	572	0.217	ppb		76

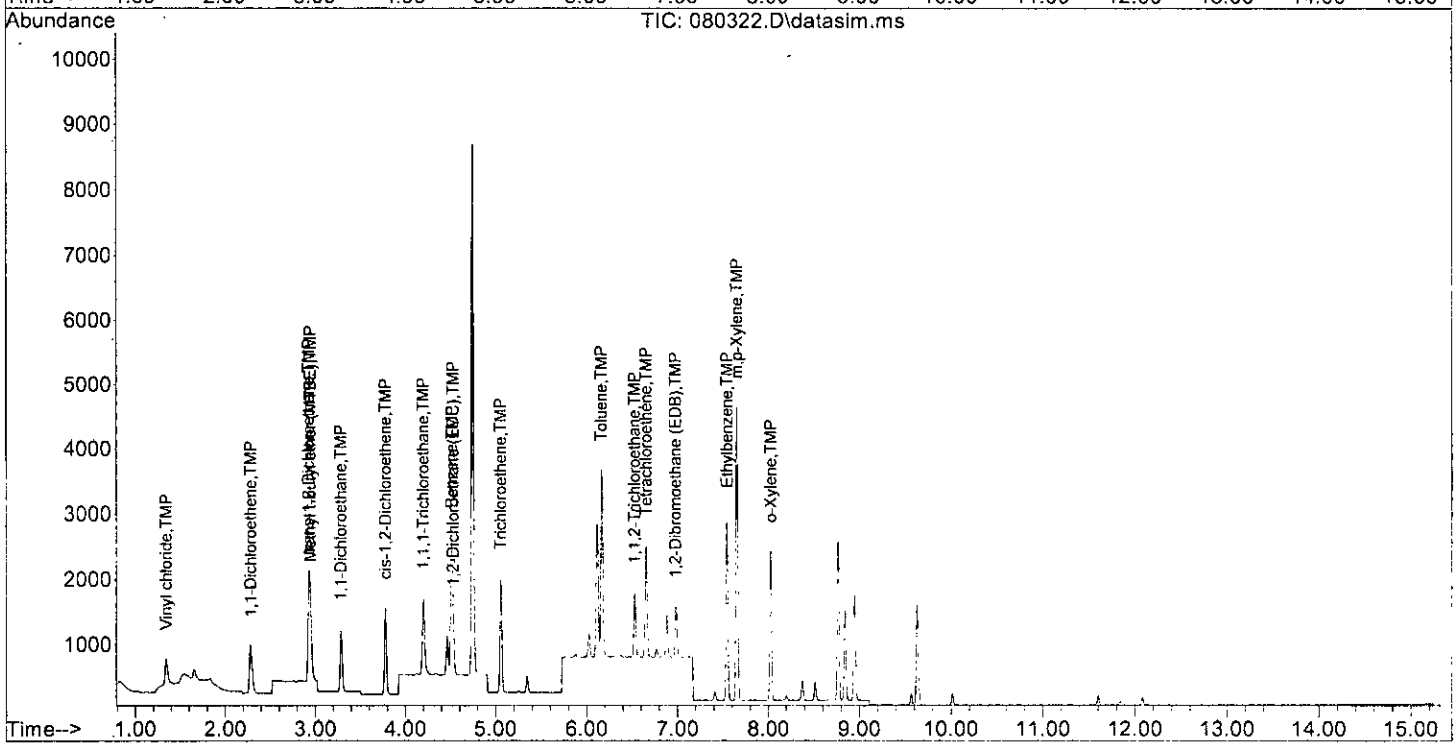
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080322.D
Acq On : 03 Aug 2022 09:03 pm
Operator : JCM
Sample : 0.2 ppb 8260 ICAL 67-43I
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:14:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

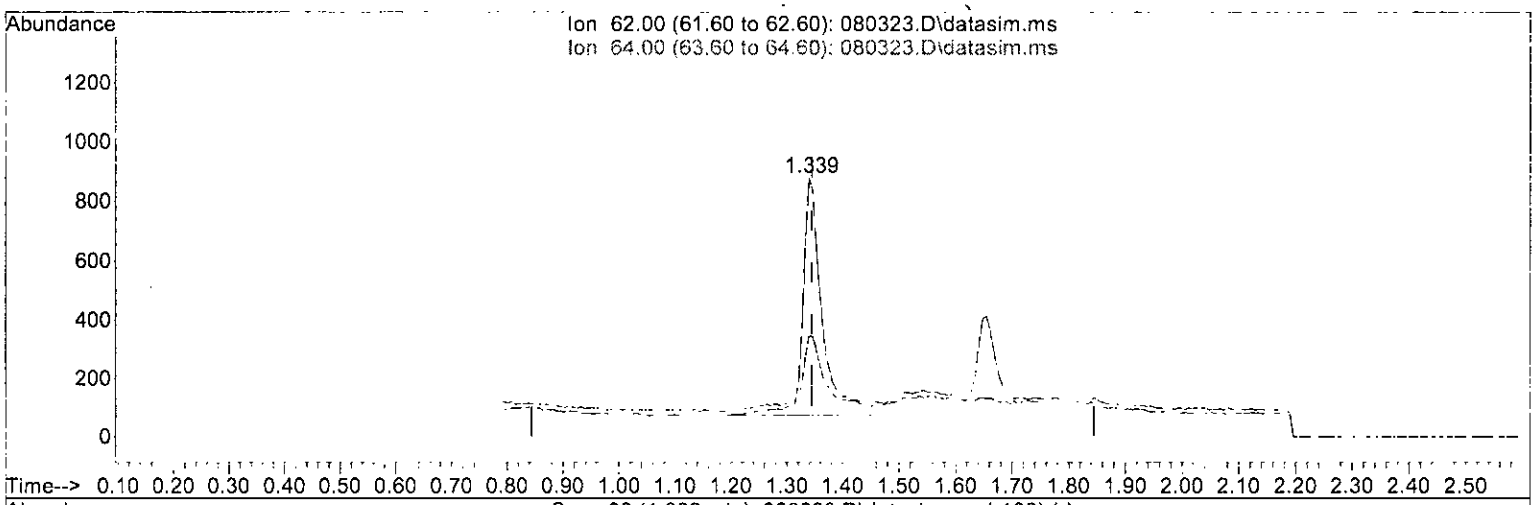


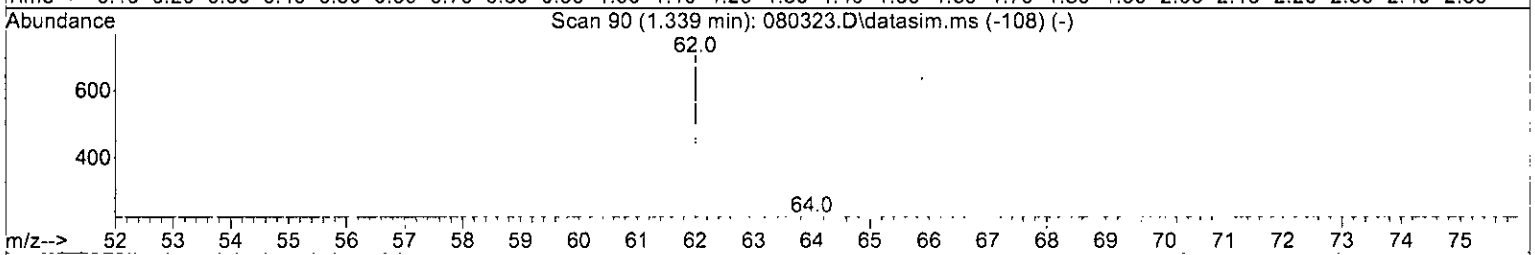


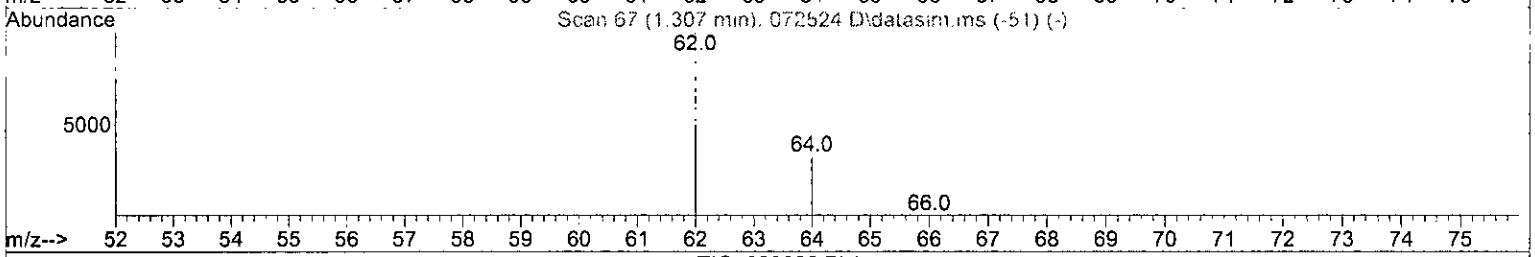
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:03 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080323.D\data.ms

(6) Vinyl chloride (TMP)

1.339min (-0.006) 0.579 ppb

response 1970

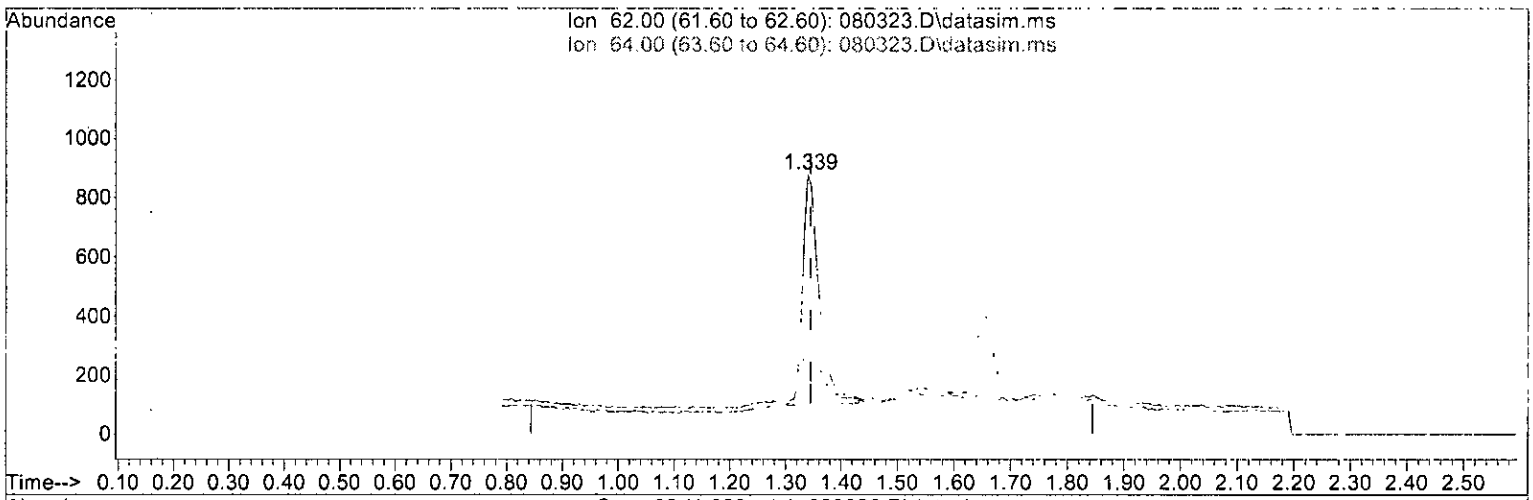
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.30	31.47
0.00	0.00	0.00
0.00	0.00	0.00

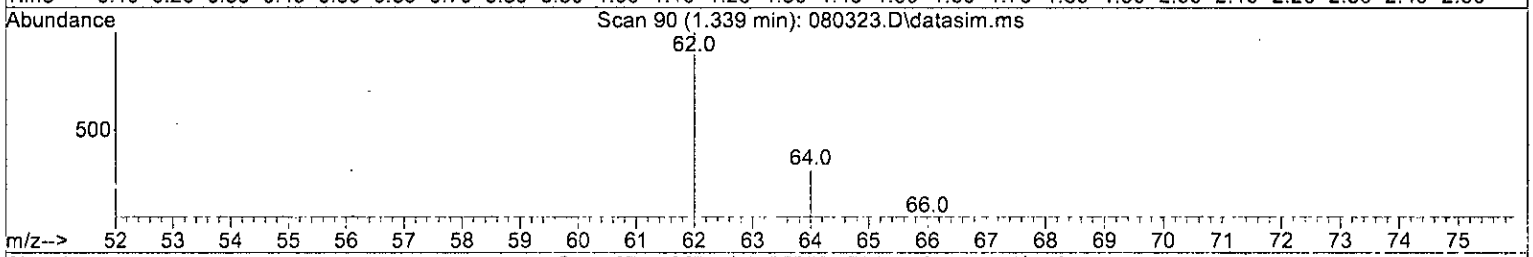
8/5 AM

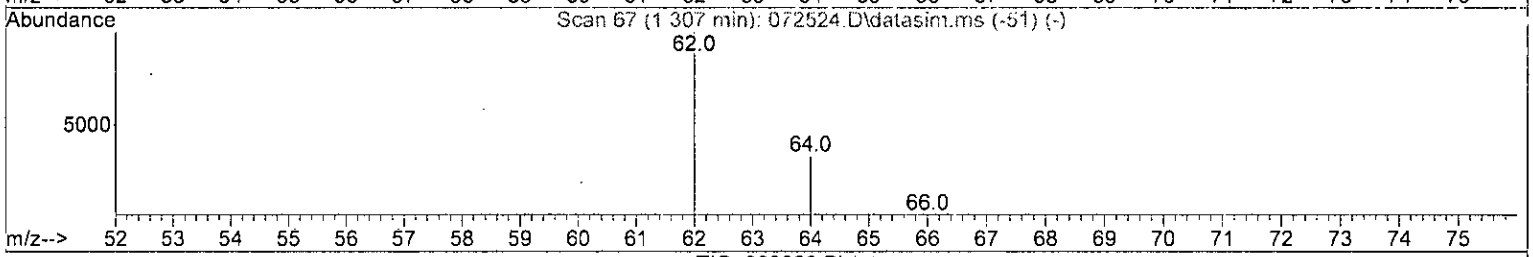
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:03 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080323.D\data.ms

(6) Vinyl chloride (TMP)

1.339min (-0.006) 0.474 ppb m

response 1613

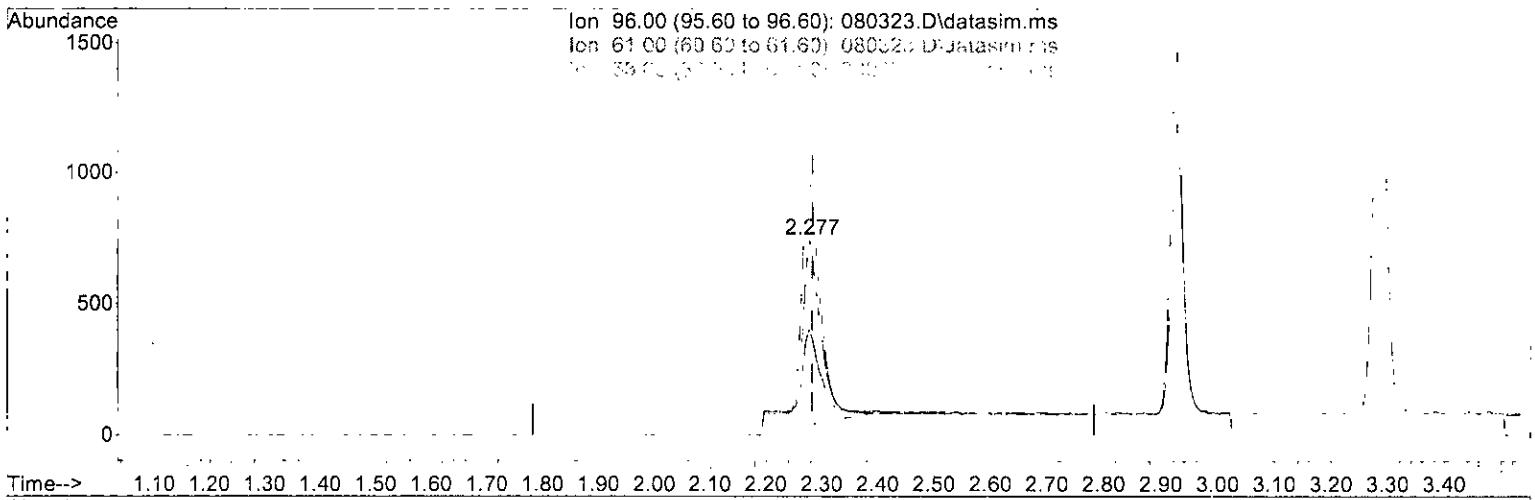
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.30	39.41
0.00	0.00	0.00
0.00	0.00	0.00

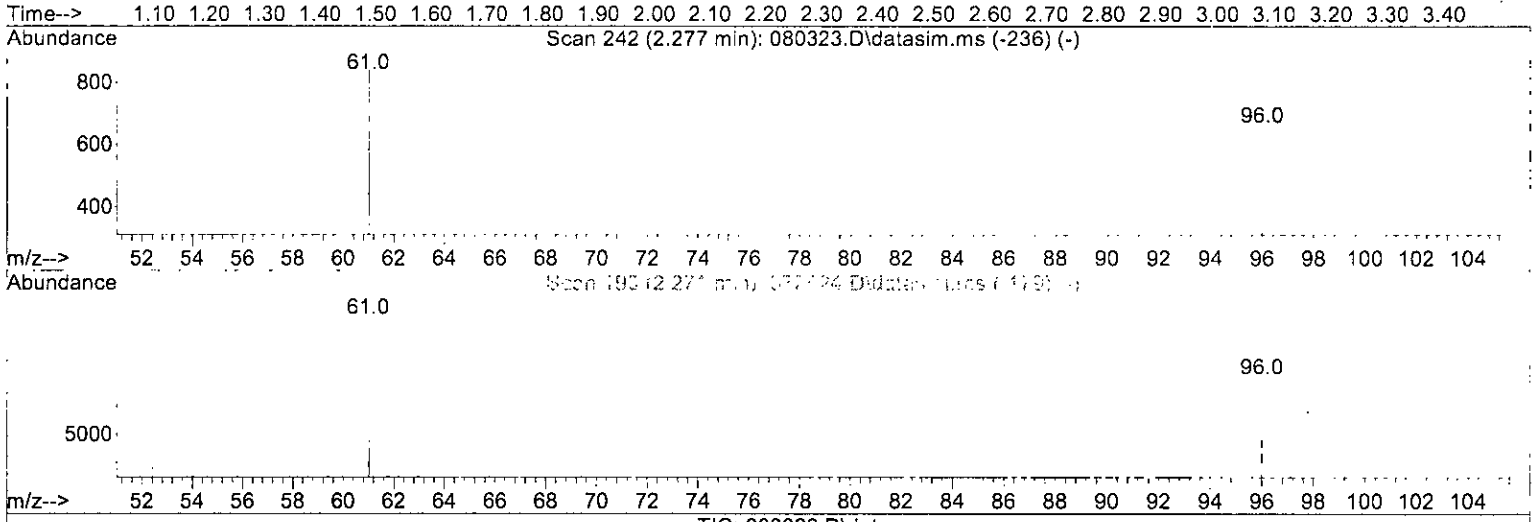
8/5 JCM

Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:03 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080323.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.277min (-0.006) 0.593 ppb

response 1671

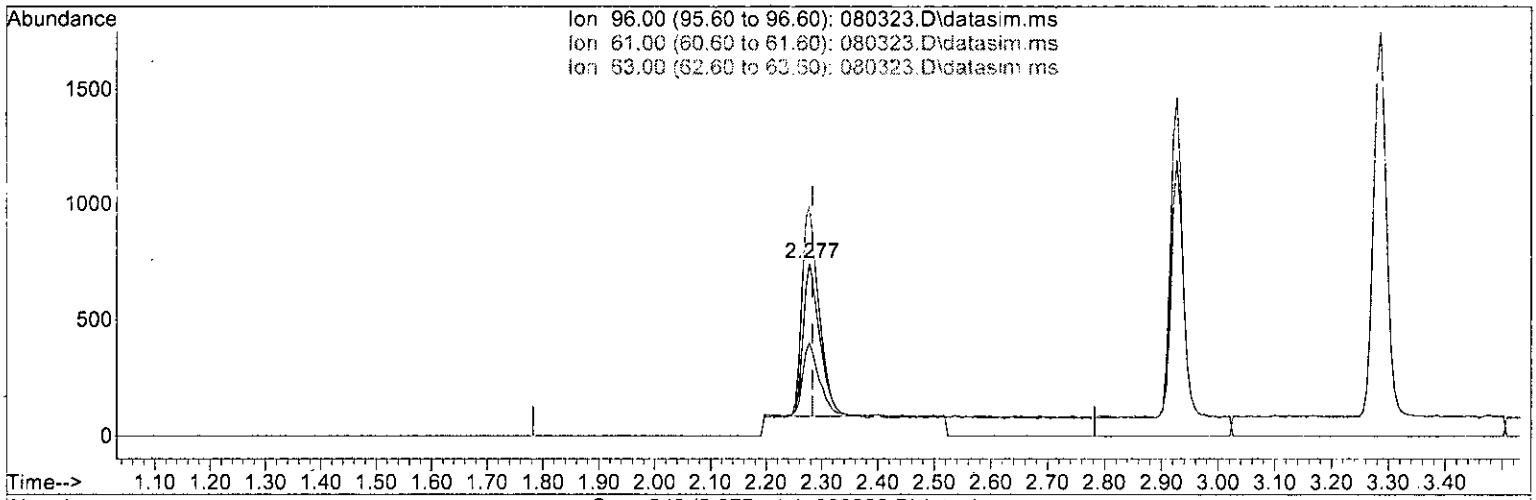
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	135.30	137.84
63.00	45.80	47.42
0.00	0.00	0.00

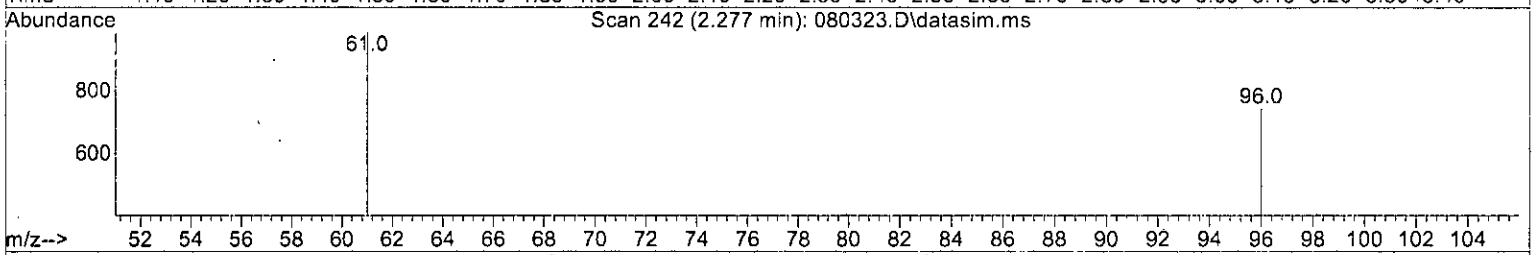
8/5 JCM

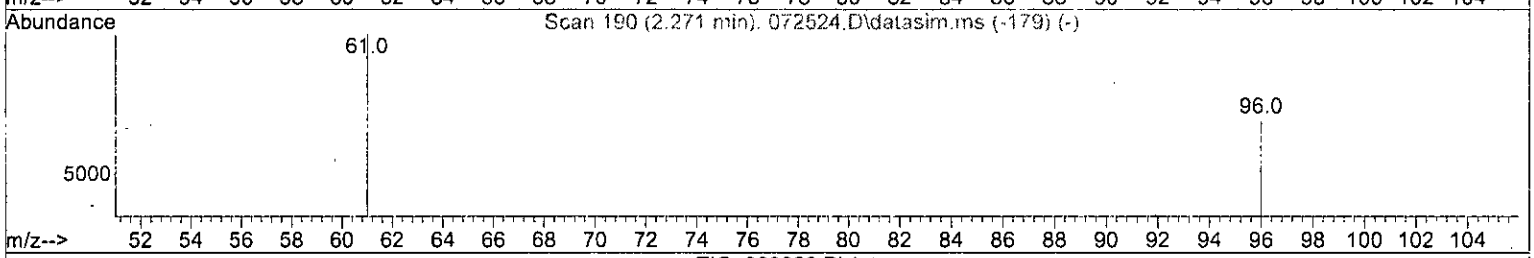
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:03 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080323.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.277min (-0.006) 0.491 ppb m

response 1383

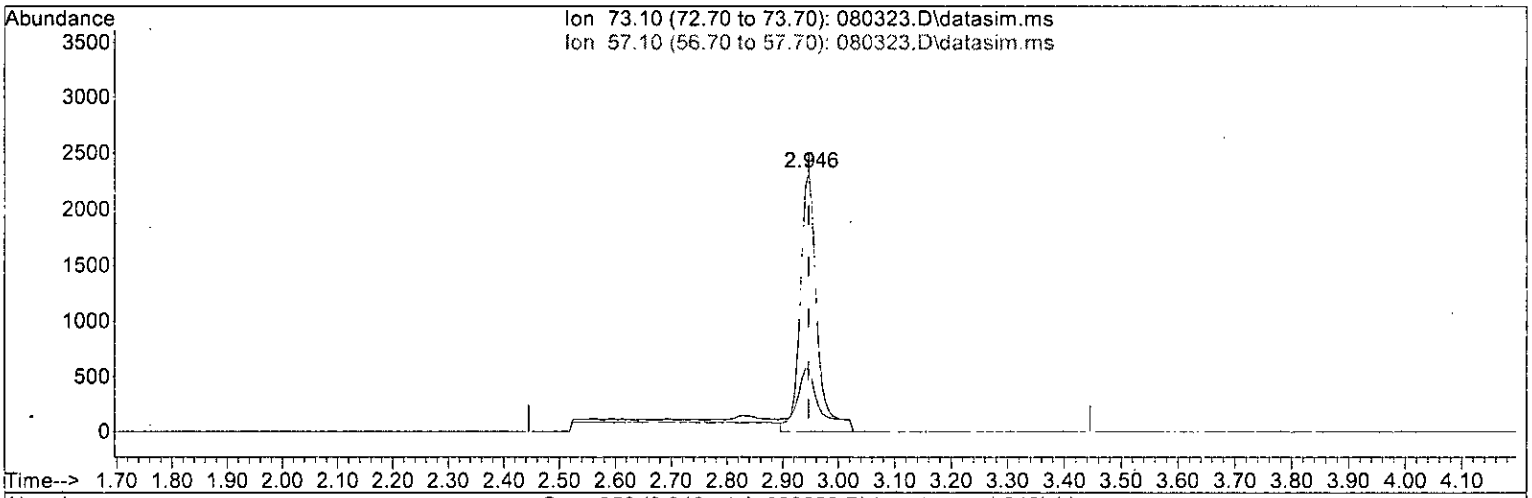
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	135.30	133.24
63.00	45.80	54.24
0.00	0.00	0.00

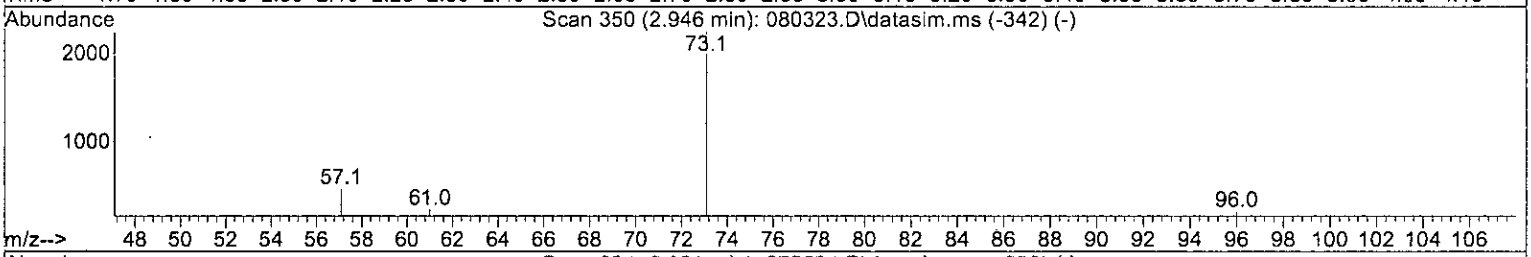
8/5 am

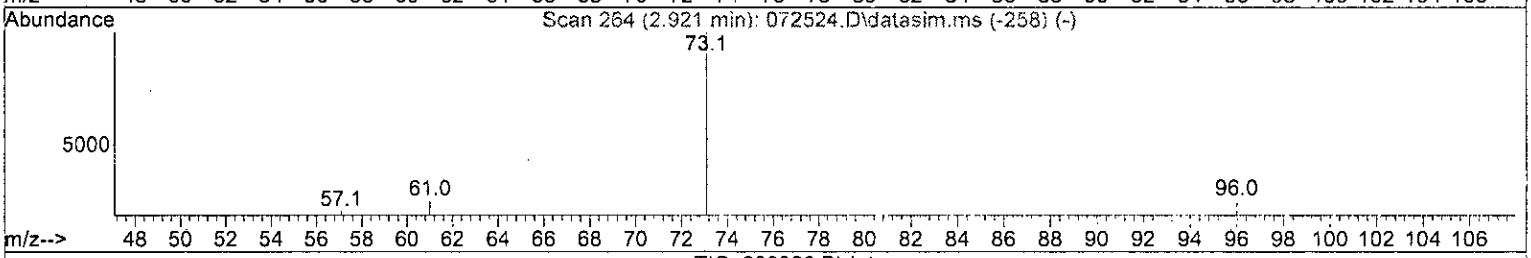
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:03 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080323.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.946min (+ 0.000) 0.575 ppb

response 4865

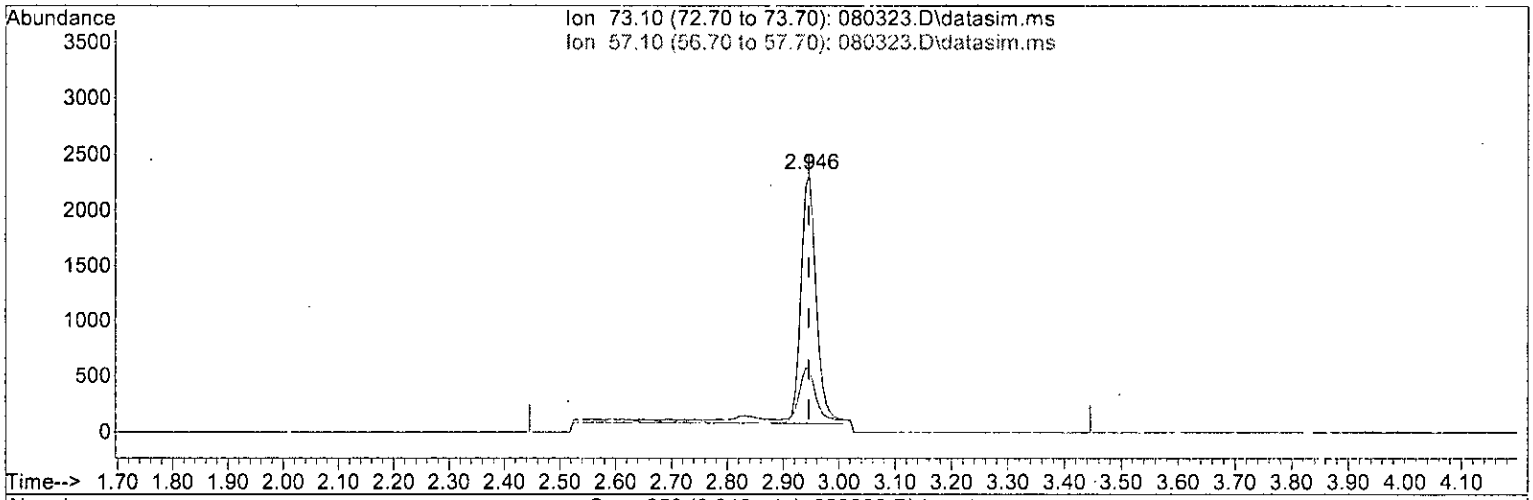
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	17.70	24.35
0.00	0.00	0.00
0.00	0.00	0.00

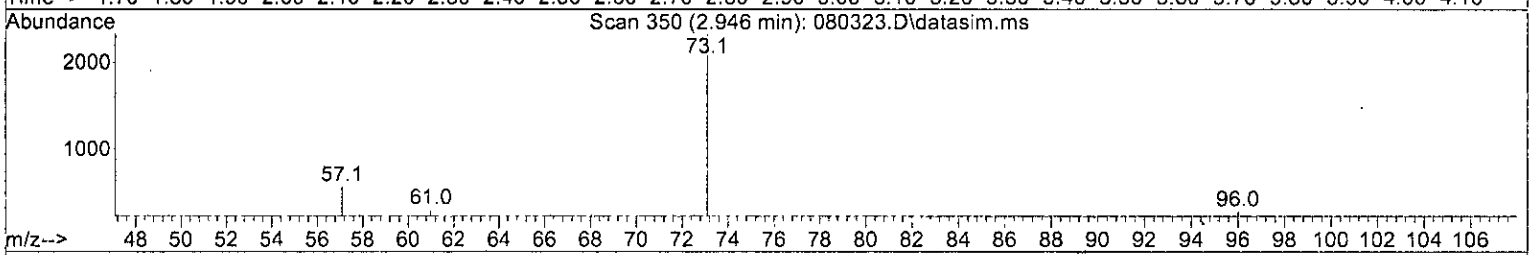
8/5 JCM

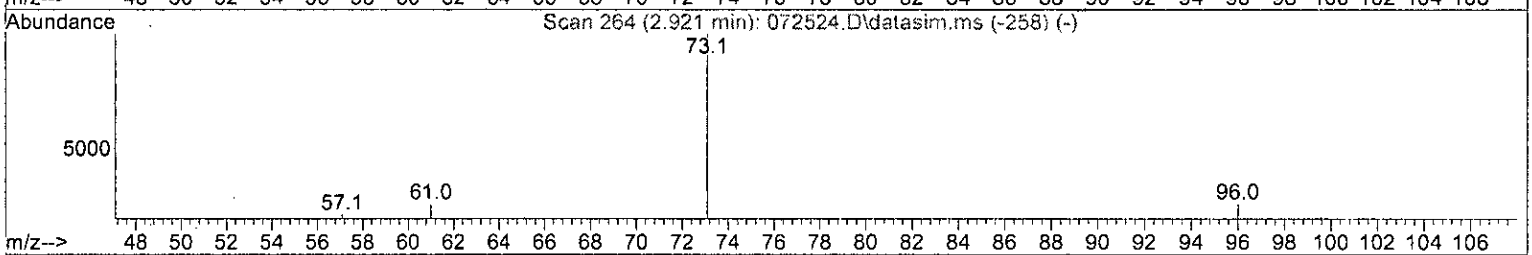
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:03 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080323.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.946min (+ 0.000) 0.504 ppb m

response 4265

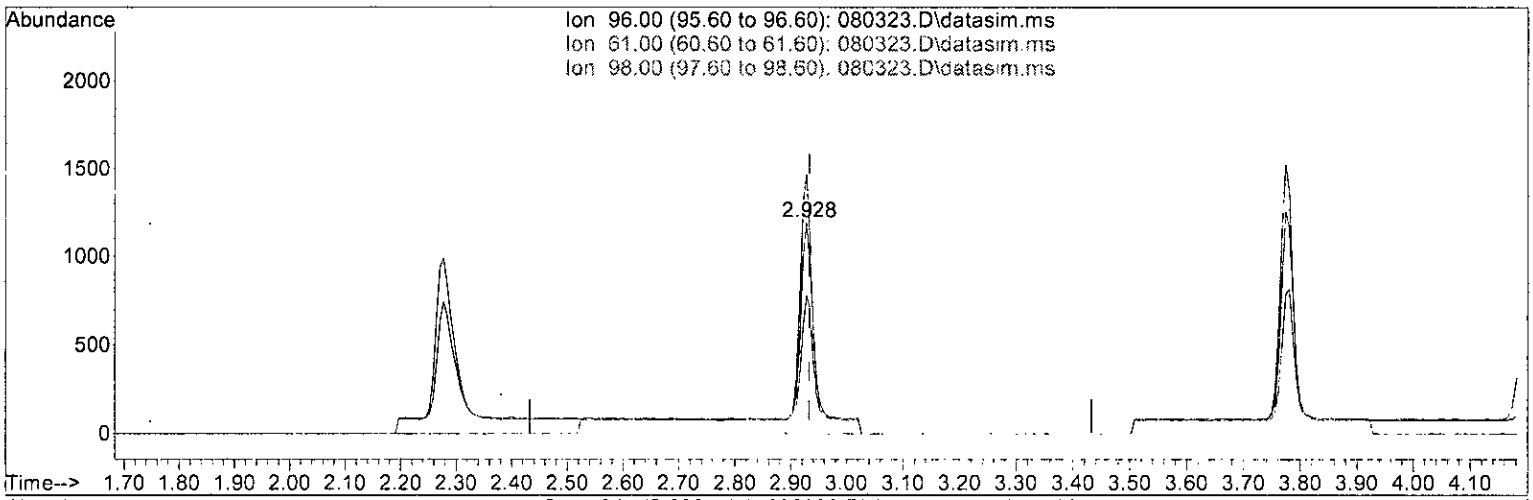
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	17.70	24.35
0.00	0.00	0.00
0.00	0.00	0.00

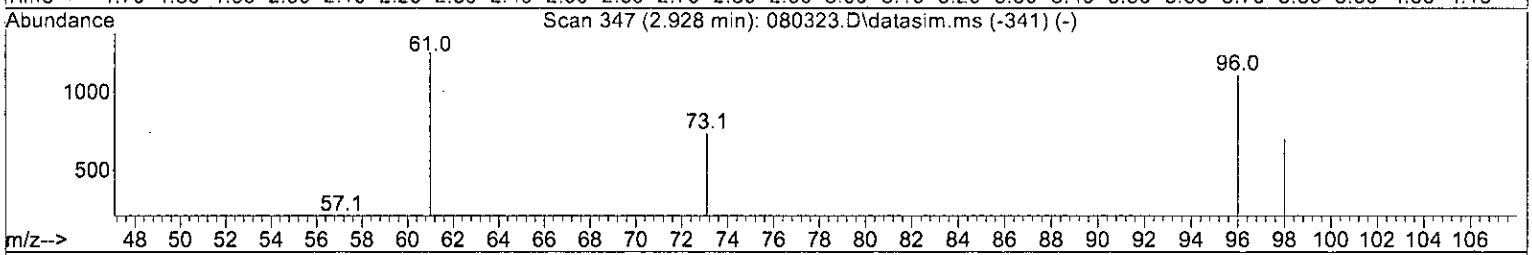
8/5 DLM

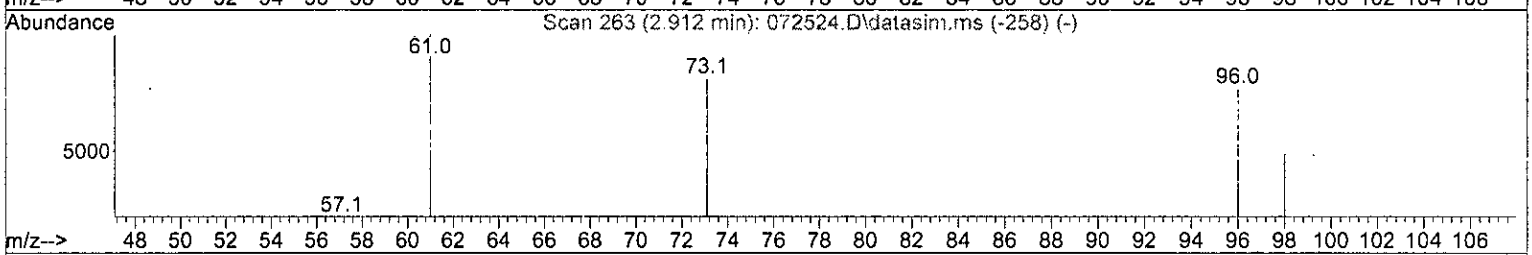
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:03 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080323.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.928min (-0.005) 0.679 ppb

response 2279

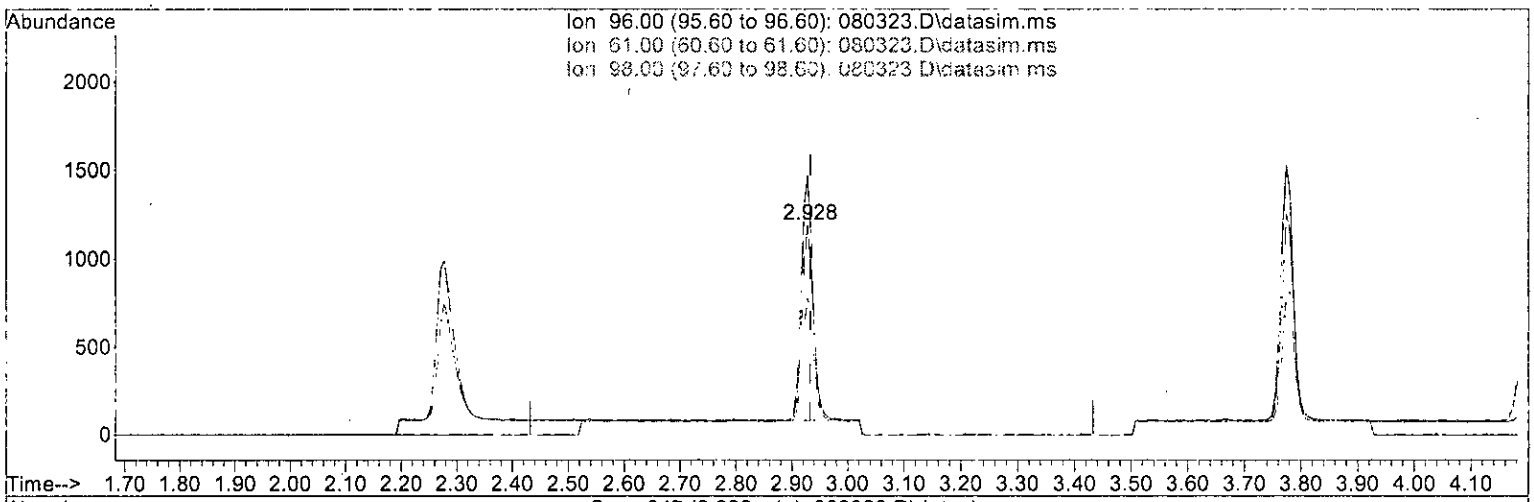
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	133.10	123.13
98.00	58.60	65.21
0.00	0.00	0.00

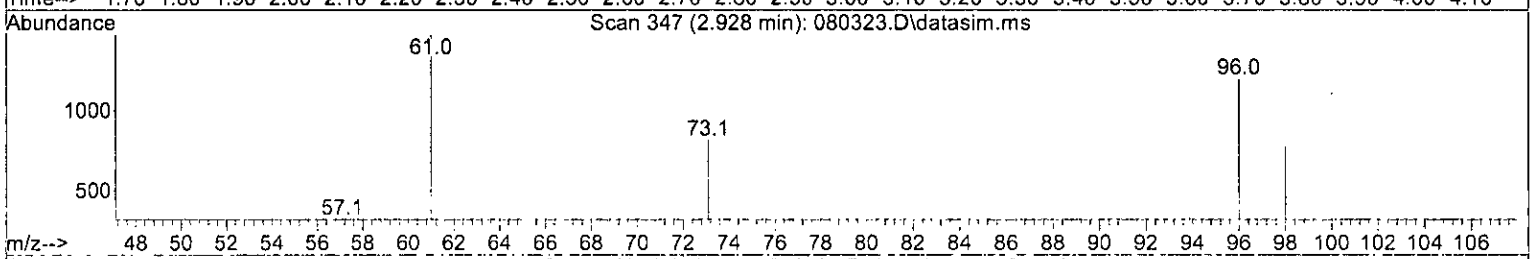
8/5 JCM

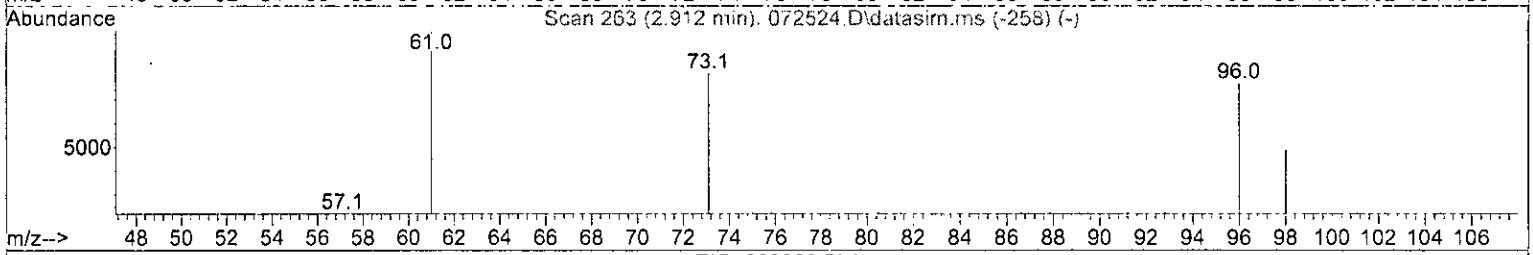
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:03 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080323.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.928min (-0.005) 0.486 ppb m

response 1630

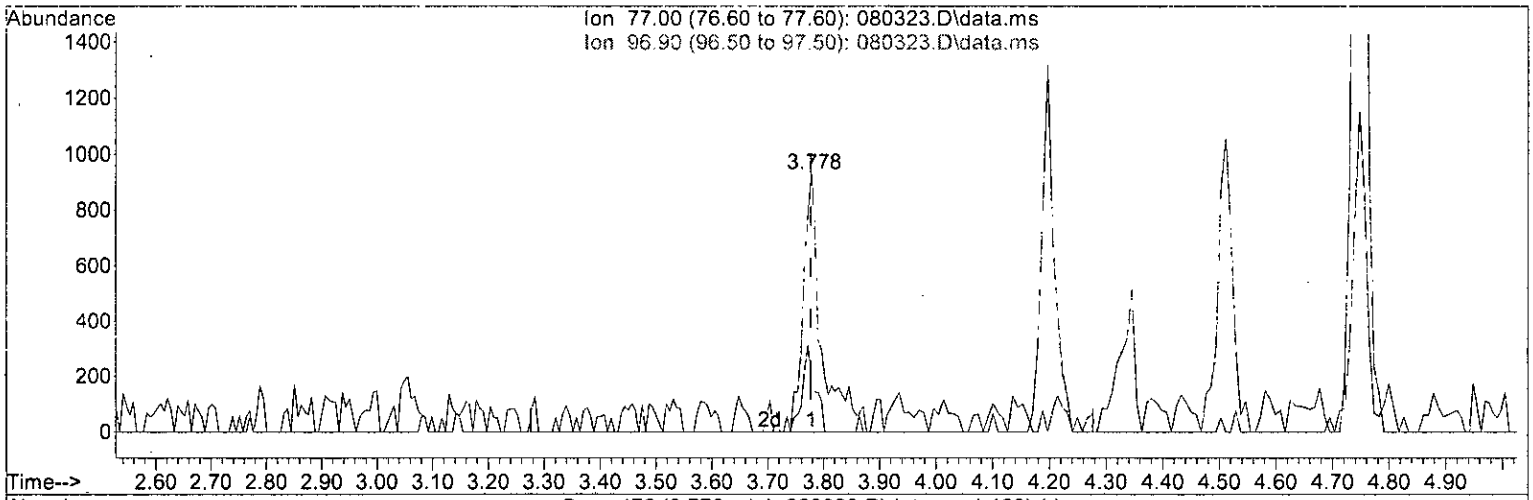
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	133.10	123.13
98.00	58.60	65.21
0.00	0.00	0.00

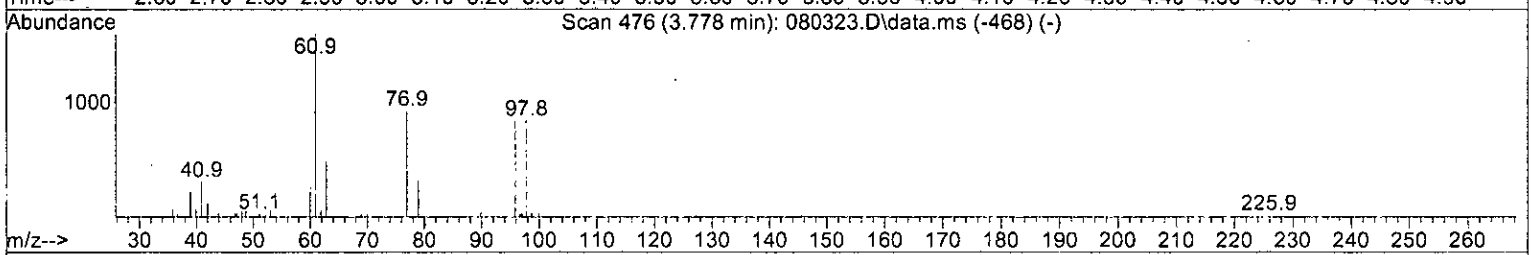
8/5 am

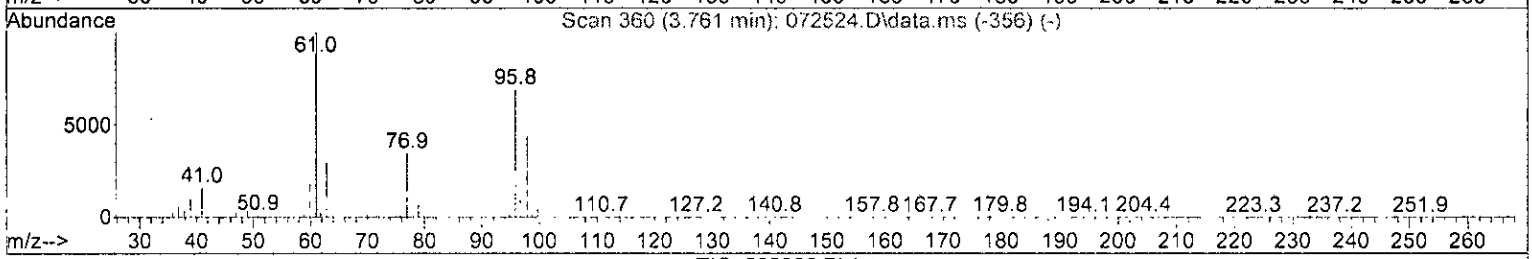
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:18:48 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080323.D\data.ms

(21) 2,2-Dichloropropane (TMP)

3.778min (+ 0.001) 0.724 ppb

response 2130

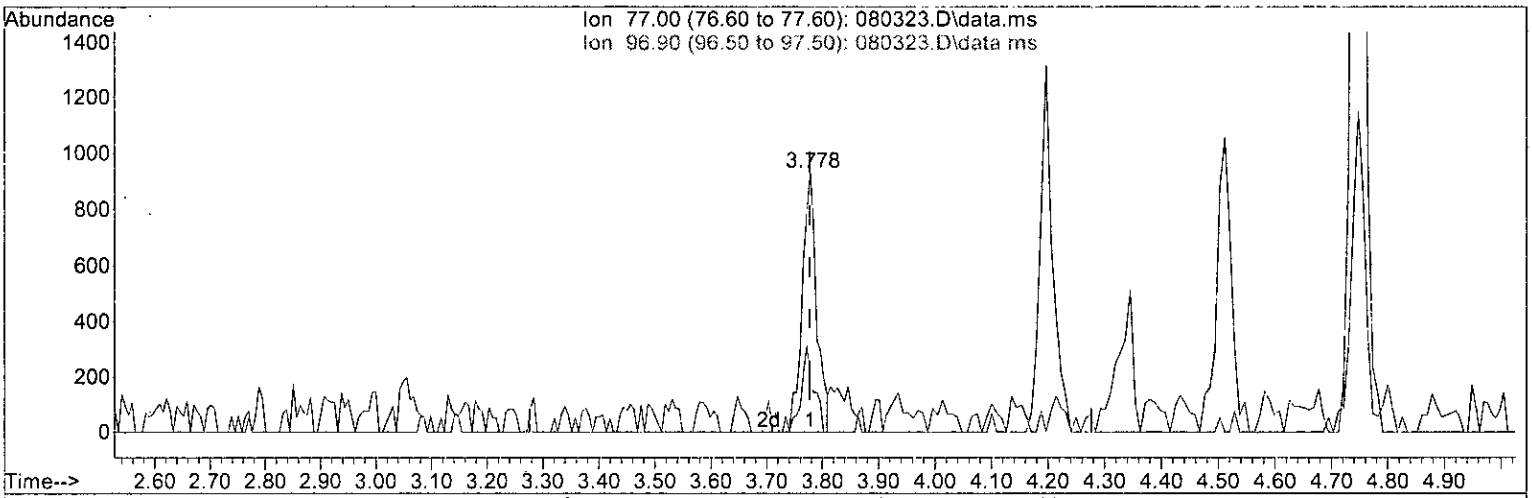
Ion	Exp%	Act%
77.00	100.00	100.00
96.90	20.80	18.19
0.00	0.00	0.00
0.00	0.00	0.00

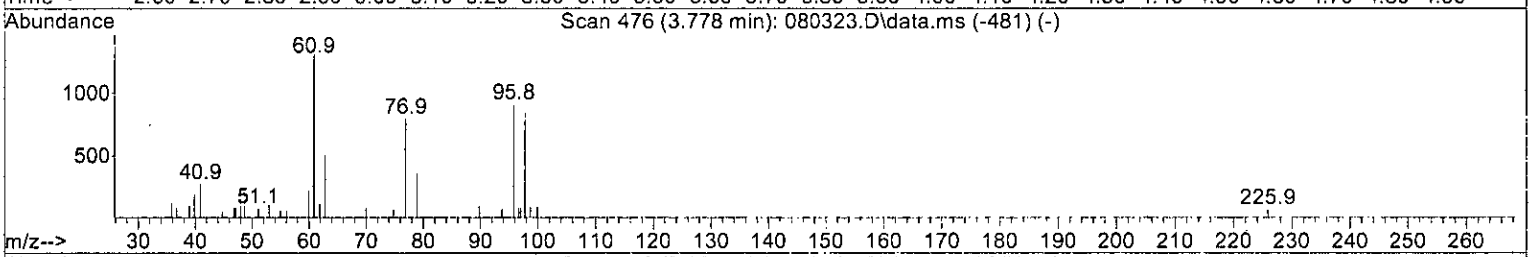
8/5 AM

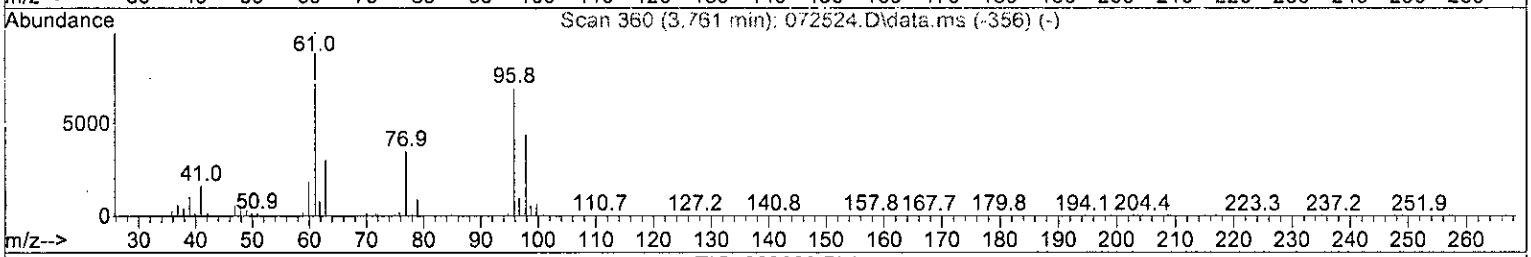
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:18:48 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080323.D\data.ms

(21) 2,2-Dichloropropane (TMP)

3.778min (+ 0.001) 0.580 ppb m

response 1708

Ion	Exp%	Act%
77.00	100.00	100.00
96.90	20.80	9.36
0.00	0.00	0.00
0.00	0.00	0.00

8/5 dm

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:19:44 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.638	3.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.500	0.469	6.2	91	0.00
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.27#
6	TMP	Vinyl chloride	0.500	0.474	5.2	99	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.60#
8	TMP	Chloroethane	0.500	0.512	-2.4	100	0.00
9	TMP	Trichlorofluoromethane	0.500	0.509	-1.8	87	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	2.500	0.000	100.0#	0	-2.34#
12	TMP	1,1-Dichloroethene	0.500	0.491	1.8	97	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.17#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.83#
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.504	-0.8	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.500	0.486	2.8	94	0.00
18	TMP	Diisopropyl ether (DIPE)	0.500	0.511	-2.2	100	0.00
19	TMP	1,1-Dichloroethane	0.500	0.505	-1.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.505	-1.0	100	0.00
21	TMP	2,2-Dichloropropane	0.500	0.580	-16.0	103	0.00
22	TMP	cis-1,2-Dichloroethene	0.500	0.498	0.4	100	0.00
23	TMP	Chloroform	0.500	0.545	-9.0	100	0.00
24	TMP	2-Butanone (MEK)	2.500	2.784	-11.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.512	-2.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.509	-1.8	100	0.00
27	TMP	1,1,1-Trichloroethane	0.500	0.505	-1.0	100	0.00
28	TMP	1,1-Dichloropropene	0.500	0.527	-5.4	100	0.00
29	TMP	Carbon tetrachloride	0.500	0.447	10.6	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.156	-1.6	100	0.00
31	TMP	Benzene	0.500	0.503	-0.6	100	0.00
32	TMP	Trichloroethene	0.500	0.492	1.6	100	0.00
33	TMP	1,2-Dichloropropane	0.500	0.584	-16.8	100	0.00
34	TMP	Bromodichloromethane	0.500	0.495	1.0	100	0.00
35	S	Toluene-d8	10.000	9.762	2.4	100	0.00
36	TMP	Dibromomethane	0.500	0.549	-9.8	100	0.00
37	TMP	4-Methyl-2-pentanone	2.500	2.584	-3.4	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.500	0.557	-11.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.512	-2.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.500	0.500	0.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.500	0.511	-2.2	100	0.00
43	TMP	2-Hexanone	2.500	2.971	-18.8	100	0.00
44	TMP	1,3-Dichloropropane	0.500	0.549	-9.8	100	0.00
45	TMP	Tetrachloroethene	0.500	0.511	-2.2	100	0.00
46	TMP	Dibromochloromethane	0.500	0.511	-2.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.491	1.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:19:44 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.500	0.506	-1.2	100	0.00
49	TMP	Ethylbenzene	0.500	0.513	-2.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.505	-1.0	100	0.00
51	TMP	m,p-Xylene	1.000	1.056	-5.6	100	0.00
52	TMP	o-Xylene	0.500	0.515	-3.0	100	0.00
53	TMP	Styrene	0.500	0.499	0.2	100	0.00
54	TMP	Isopropylbenzene	0.500	0.542	-8.4	100	0.00
55	TMP	Bromoform	0.500	0.466	6.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.433	-4.3	100	0.00
58	TMP	n-Propylbenzene	0.500	0.541	-8.2	100	0.00
59	TMP	Bromobenzene	0.500	0.523	-4.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.500	0.587	-17.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.576	-15.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.500	0.516	-3.2	100	0.00
63	TMP	2-Chlorotoluene	0.500	0.550	-10.0	100	0.00
64	TMP	4-Chlorotoluene	0.500	0.569	-13.8	100	0.00
65	TMP	tert-Butylbenzene	0.500	0.578	-15.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.500	0.551	-10.2	100	0.00
67	TMP	sec-Butylbenzene	0.500	0.536	-7.2	100	0.00
68	TMP	p-Isopropyltoluene	0.500	0.522	-4.4	100	0.00
69	TMP	1,3-Dichlorobenzene	0.500	0.536	-7.2	100	0.00
70	TMP	1,4-Dichlorobenzene	0.500	0.552	-10.4	100	0.00
71	TMP	1,2-Dichlorobenzene	0.500	0.488	2.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.78#
73	TMP	1,2,4-Trichlorobenzene	0.500	0.548	-9.6	100	0.00
74	TMP	Hexachlorobutadiene	0.500	0.487	2.6	100	0.00
75	TMP	Naphthalene	0.500	0.490	2.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.500	0.529	-5.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:19:44 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.279	0.269	3.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.325	6.3	91	0.00
5	TMP	Chloromethane	0.324	0.000#	100.0#	0#	-1.27#
6	TMP	Vinyl chloride	0.333	0.315	5.4	99	0.00
7	TMP	Bromomethane	0.204	0.000#	100.0#	0#	-1.60#
8	TMP	Chloroethane	0.114	0.117	-2.6	100	0.00
9	TMP	Trichlorofluoromethane	0.577	0.588	-1.9	87	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.000#	100.0#	0#	-2.34#
12	TMP	1,1-Dichloroethene	0.276	0.270	2.2	97	0.00
13	TMP	Hexane	0.347	0.000#	100.0#	0#	-3.17#
14	TMP	Methylene chloride	0.363	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.034	0.000#	100.0#	0#	-2.83#
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.834	-0.8	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.328	0.319	2.7	94	0.00
18	TMP	Diisopropyl ether (DIPE)	0.765	0.782	-2.2	100	0.00
19	TMP	1,1-Dichloroethane	0.510	0.515	-1.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.334	-1.2	100	0.00
21	TMP	2,2-Dichloropropane	0.288	0.334	-16.0	103	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.343	0.6	100	0.00
23	TMP	Chloroform	0.519	0.565	-8.9	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.151	-11.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.768	-2.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.412	5.1	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.499	-1.0	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.455	-15.2	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.358	10.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.061	-1.7	100	0.00
31	TMP	Benzene	1.240	1.247	-0.6	100	0.00
32	TMP	Trichloroethene	0.358	0.353	1.4	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.325	-16.9	100	0.00
34	TMP	Bromodichloromethane	0.393	0.389	1.0	100	0.00
35	S	Toluene-d8	1.013	0.989	2.4	100	0.00
36	TMP	Dibromomethane	0.197	0.217	-10.2	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.055	-3.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.513	-11.3	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	1.059	1.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.551	0.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.356	-2.3	100	0.00
43	TMP	2-Hexanone	0.262	0.312	-19.1	100	0.00
44	TMP	1,3-Dichloropropane	0.539	0.592	-9.8	100	0.00
45	TMP	Tetrachloroethene	0.380	0.372	2.1	100	0.00
46	TMP	Dibromochloromethane	0.406	0.414	-2.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.416	1.9	100	0.00

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:19:44 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.975	-1.2	100	0.00
49	TMP	Ethylbenzene	1.938	1.989	-2.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.346	-0.9	100	0.00
51	TMP	m,p-Xylene	0.711	0.731	-2.8	100	0.00
52	TMP	o-Xylene	0.690	0.710	-2.9	100	0.00
53	TMP	Styrene	0.959	0.957	0.2	100	0.00
54	TMP	Isopropylbenzene	1.552	1.683	-8.4	100	0.00
55	TMP	Bromoform	0.258	0.240	7.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	1.021	-4.3	100	0.00
58	TMP	n-Propylbenzene	3.720	4.024	-8.2	100	0.00
59	TMP	Bromobenzene	0.767	0.802	-4.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.865	-17.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	1.071	-15.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.654	-3.2	100	0.00
63	TMP	2-Chlorotoluene	2.102	2.311	-9.9	100	0.00
64	TMP	4-Chlorotoluene	2.486	2.829	-13.8	100	0.00
65	TMP	tert-Butylbenzene	2.175	2.516	-15.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.831	-10.3	100	0.00
67	TMP	sec-Butylbenzene	3.249	3.485	-7.3	100	0.00
68	TMP	p-Isopropyltoluene	2.642	2.760	-4.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.525	-7.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.545	-10.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.335	2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.000#	100.0#	0#	-10.78#
73	TMP	1,2,4-Trichlorobenzene	0.840	0.920	-9.5	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.438	2.4	100	0.00
75	TMP	Naphthalene	1.902	1.864	2.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.775	-5.9	100	0.00

(#) = Out of Range SPCC's out = 8 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:19:44 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	102301	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	74286	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	36099	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	27515	9.638	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.40%				
30) 1,2-Dichloroethane-d4	4.47	102	6213	10.156	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 101.60%				
35) Toluene-d8	6.11	98	101213	9.762	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 97.60%				
57) 4-Bromofluorobenzene	8.52	95	36855	10.433	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 104.30%				
Target Compounds							Qvalue
2) Ethanol	2.35	45	708	No Calib			
4) Dichlorodifluoromethane	1.13	85	1664	0.469	ppb		87
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.34	62	1613m	0.474	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.65	64	598	0.512	ppb		81
9) Trichlorofluoromethane	1.84	101	3007	0.509	ppb		74
10) 2-Propanol	2.35	45	708	No Calib			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.28	96	1383m	0.491	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.95	73	4265m	0.504	ppb		
17] trans-1,2-Dichloroethene	2.93	96	1630m	0.486	ppb		
18) Diisopropyl ether (DIPE)	3.36	45	4000	0.511	ppb		97
19] 1,1-Dichloroethane	3.29	63	2632	0.505	ppb		99
20) Ethyl t-butyl ether (E...	3.67	87	1707	0.505	ppb		98
21) 2,2-Dichloropropane	3.78	77	1708m	0.580	ppb		
22] cis-1,2-Dichloroethene	3.77	96	1756	0.498	ppb		95
23) Chloroform	4.05	83	2890	0.545	ppb		91
24) 2-Butanone (MEK)	3.81	43	3866	2.784	ppb		93
25) t-Amyl methyl ether (T...	4.62	73	3928	0.512	ppb		91
26] 1,2-Dichloroethane (EDC)	4.52	62	2107	0.509	ppb		97
27] 1,1,1-Trichloroethane	4.20	97	2550	0.505	ppb		98
28) 1,1-Dichloropropene	4.34	75	2325	0.527	ppb		83
29) Carbon tetrachloride	4.34	117	1829	0.447	ppb		95
31] Benzene	4.51	78	6379	0.503	ppb		94
32] Trichloroethene	5.06	95	1805	0.492	ppb		83
33) 1,2-Dichloropropane	5.25	63	1662	0.584	ppb		94
34) Bromodichloromethane	5.49	83	1992	0.495	ppb		89
36) Dibromomethane	5.35	93	1109	0.549	ppb	#	74
37) 4-Methyl-2-pentanone	6.02	85	1399	2.584	ppb		85
38) cis-1,3-Dichloropropene	5.88	75	2625	0.557	ppb		93
40] Toluene	6.16	92	3934	0.512	ppb		94
41) trans-1,3-Dichloropropene	6.37	75	2047	0.500	ppb		82

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

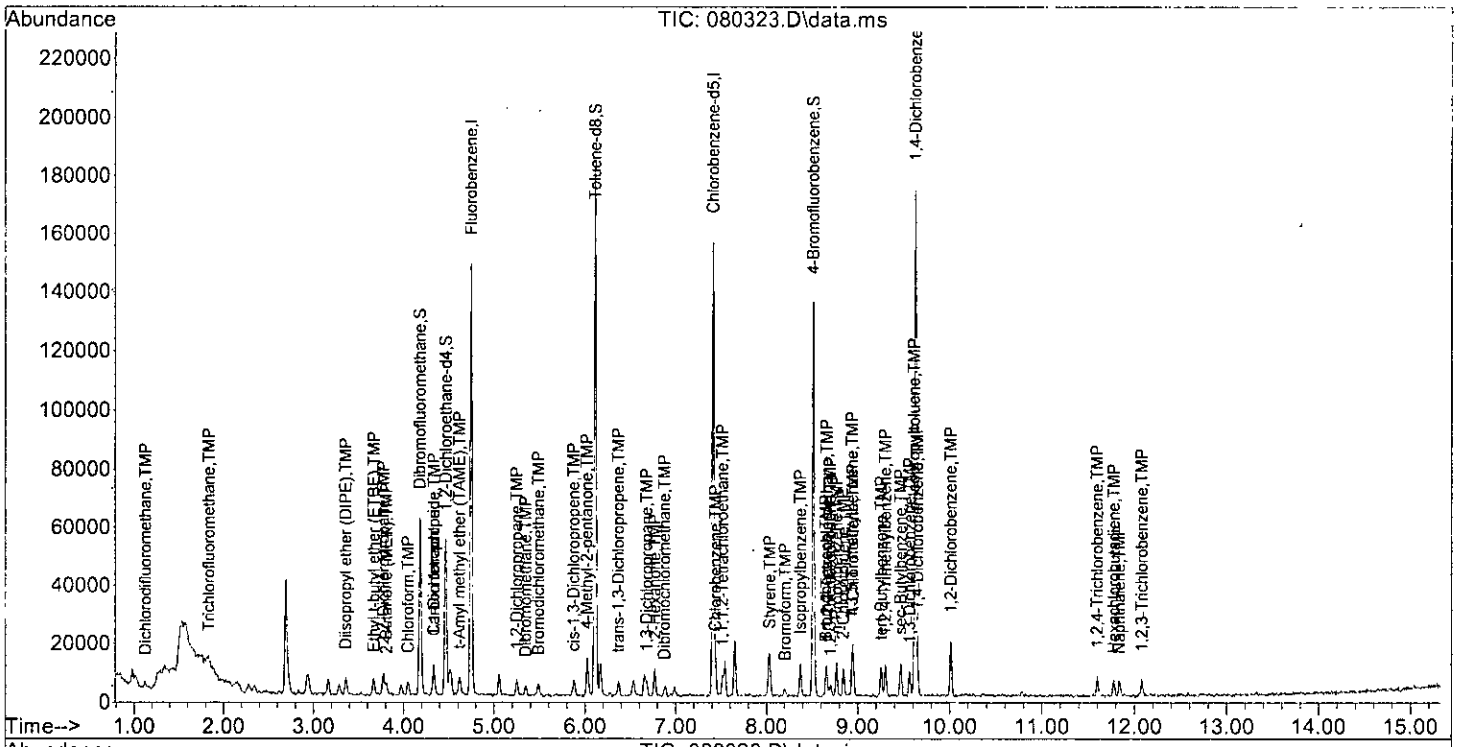
Quant Time: Aug 05 13:19:44 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

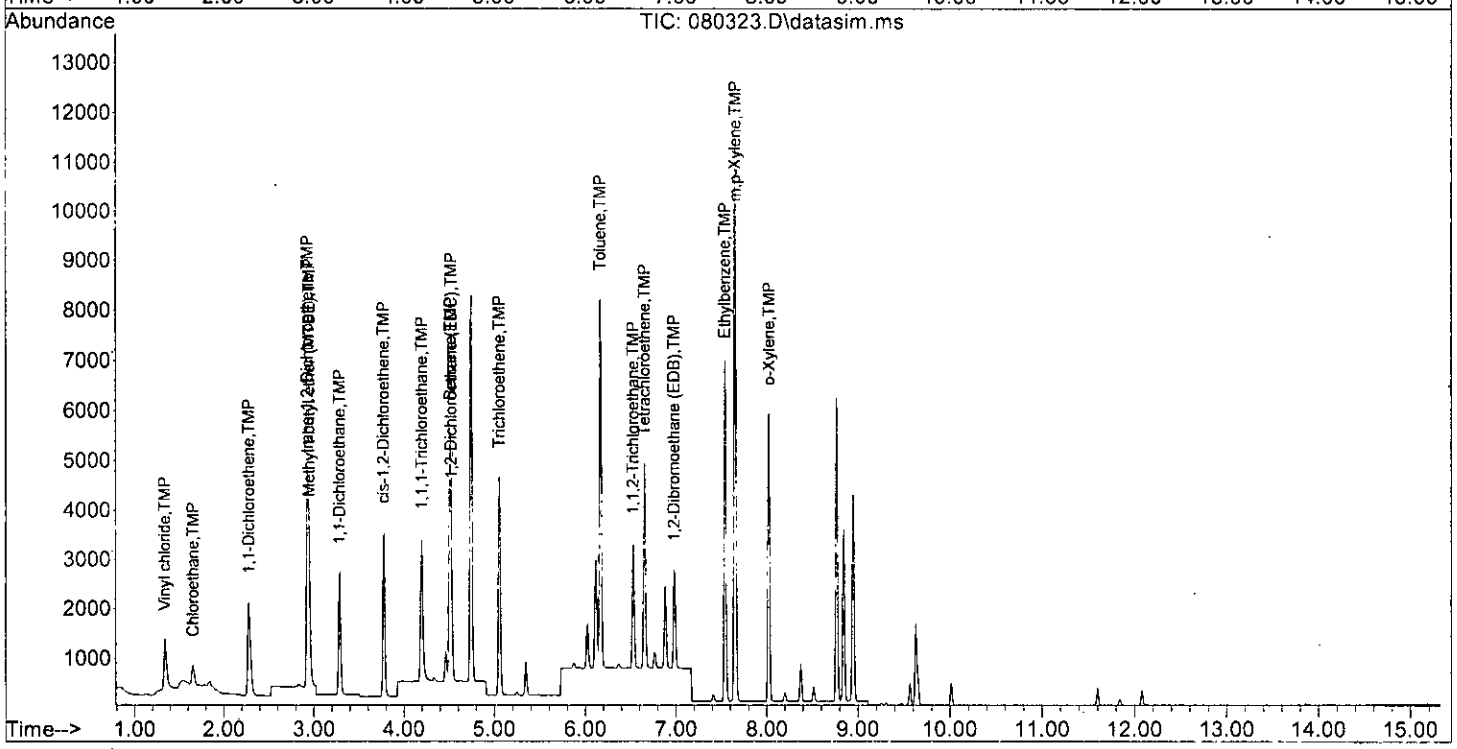
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	1323	0.511	ppb	#	58
43) 2-Hexanone	6.77	43	5788	2.971	ppb		91
44) 1,3-Dichloropropane	6.68	76	2198	0.549	ppb		100
45] Tetrachloroethene	6.65	164	1381	0.511	ppb		87
46) Dibromochloromethane	6.88	129	1539	0.511	ppb		74
47] 1,2-Dibromoethane (EDB)	6.98	107	1546	0.491	ppb		83
48) Chlorobenzene	7.44	112	3621	0.506	ppb		74
49] Ethylbenzene	7.54	91	7389	0.513	ppb		87
50) 1,1,1,2-Tetrachloroethane	7.51	131	1287	0.505	ppb		92
51] m,p-Xylene	7.66	106	5433	1.056	ppb		84
52] o-Xylene	8.03	106	2639	0.515	ppb		98
53) Styrene	8.04	104	3554	0.499	ppb		97
54) Isopropylbenzene	8.37	105	6250	0.542	ppb		87
55) Bromoform	8.21	173	892	0.466	ppb		95
58) n-Propylbenzene	8.77	91	7264	0.541	ppb		91
59) Bromobenzene	8.65	156	1448	0.523	ppb	#	44
60) 1,3,5-Trimethylbenzene	8.94	105	5172	0.587	ppb		86
61) 1,1,2,2-Tetrachloroethane	8.66	83	1934	0.576	ppb		78
62) 1,2,3-Trichloropropane	8.70	75	1180	0.516	ppb		90
63) 2-Chlorotoluene	8.84	91	4171	0.550	ppb		91
64) 4-Chlorotoluene	8.95	91	5107	0.569	ppb		75
65) tert-Butylbenzene	9.26	119	4541	0.578	ppb		98
66) 1,2,4-Trimethylbenzene	9.30	105	5109	0.551	ppb		78
67) sec-Butylbenzene	9.47	105	6291	0.536	ppb		97
68) p-Isopropyltoluene	9.61	119	4981	0.522	ppb		92
69) 1,3-Dichlorobenzene	9.56	146	2752	0.536	ppb		92
70) 1,4-Dichlorobenzene	9.65	146	2788	0.552	ppb		80
71) 1,2-Dichlorobenzene	10.01	146	2409	0.488	ppb		84
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.60	180	1661	0.548	ppb		86
74) Hexachlorobutadiene	11.78	225	790	0.487	ppb		70
75) Naphthalene	11.84	128	3365	0.490	ppb		98
76) 1,2,3-Trichlorobenzene	12.08	180	1398	0.529	ppb		79

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

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080323.D
Acq On : 03 Aug 2022 09:26 pm
Operator : JCM
Sample : 0.5 ppb 8260 ICAL 67-43J
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:19:44 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

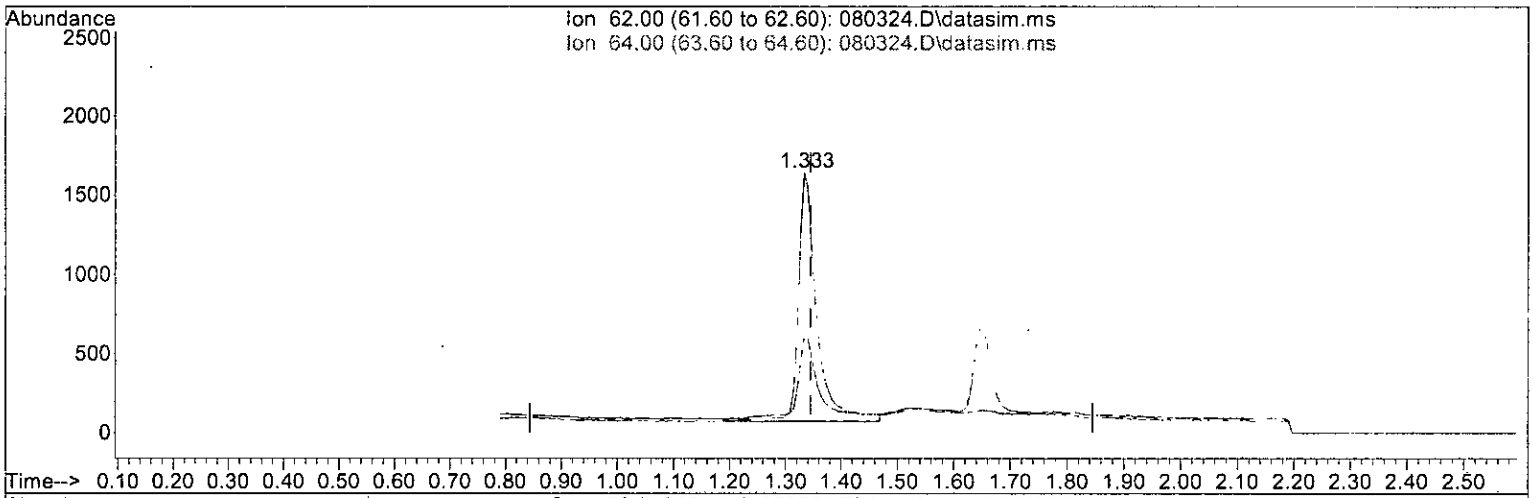


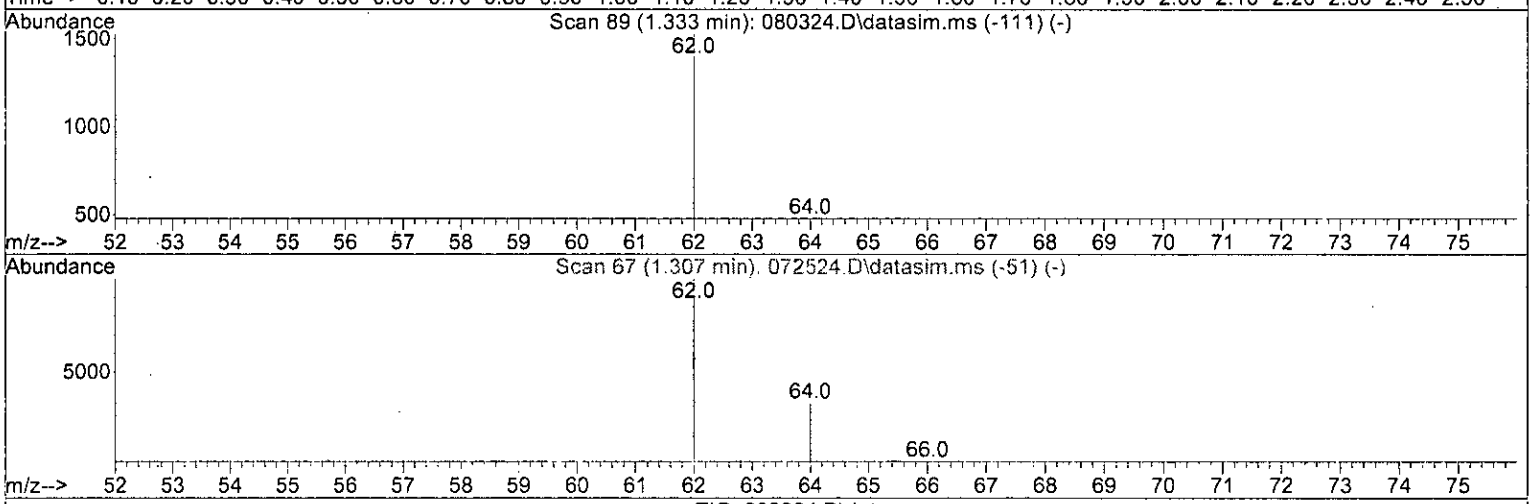


Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080324.D\data.ms

(6) Vinyl chloride (TMP)

1.333min (-0.012) 1.083 ppb

response 3580

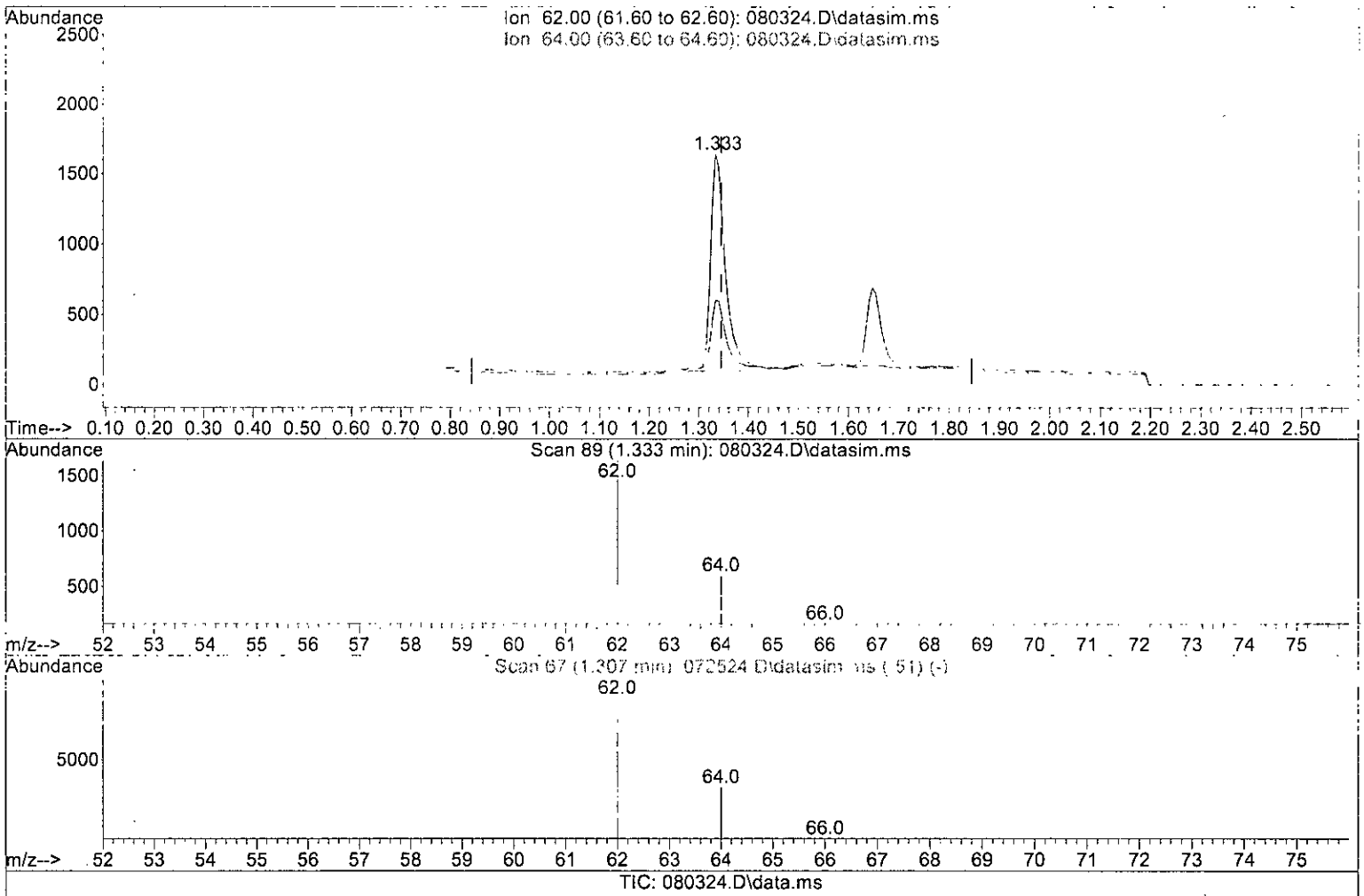
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.30	32.84
0.00	0.00	0.00
0.00	0.00	0.00

8/5 JCM

Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 080324.D\data.ms

(6) Vinyl chloride (TMP)

1.333min (-0.012) 0.965 ppb m

response 3190

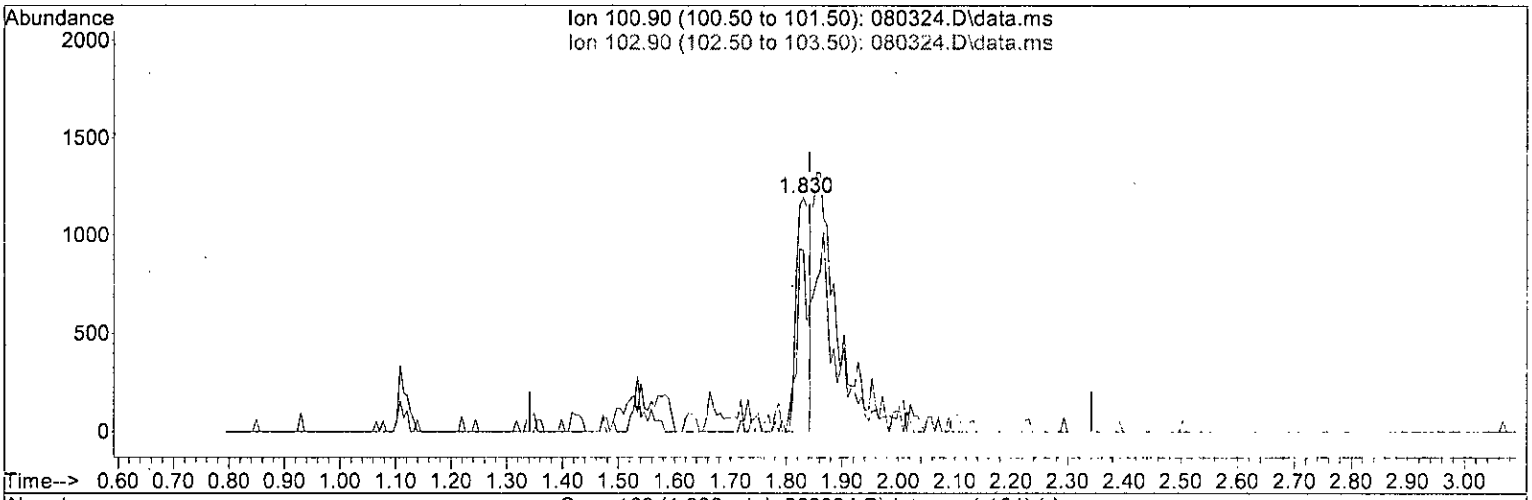
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.30	36.52
0.00	0.00	0.00
0.00	0.00	0.00

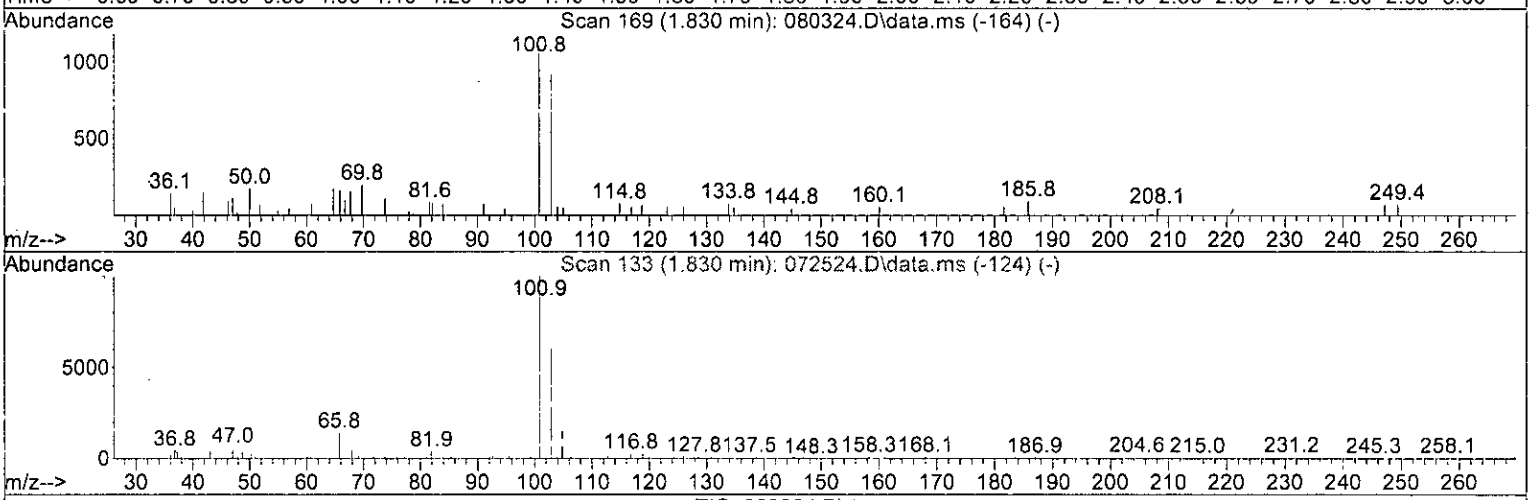
8/5 DM

Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080324.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.830min (-0.012) 0.361 ppb

response 2071

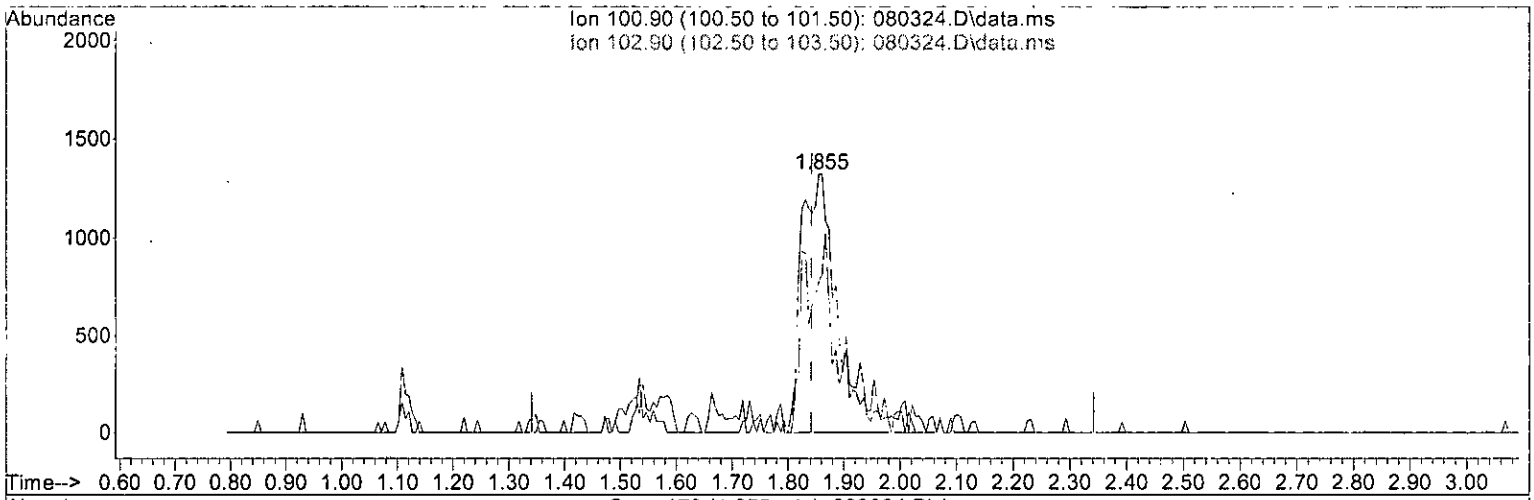
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	77.05
0.00	0.00	0.00
0.00	0.00	0.00

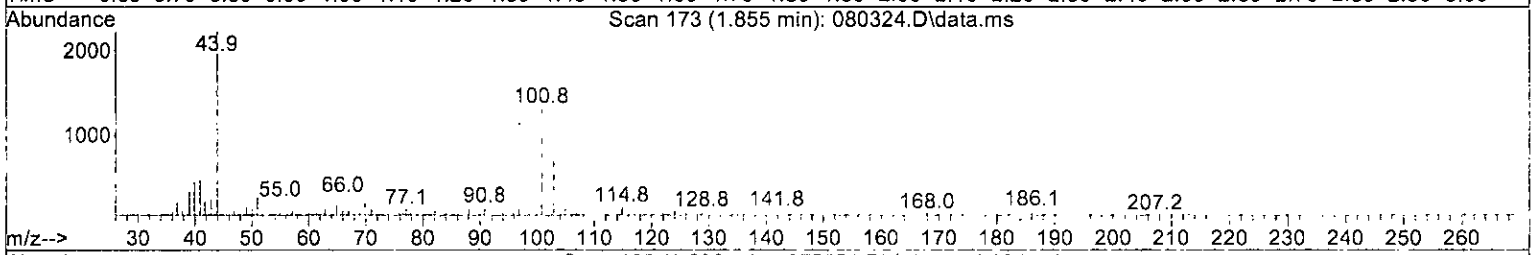
8/5 DLM

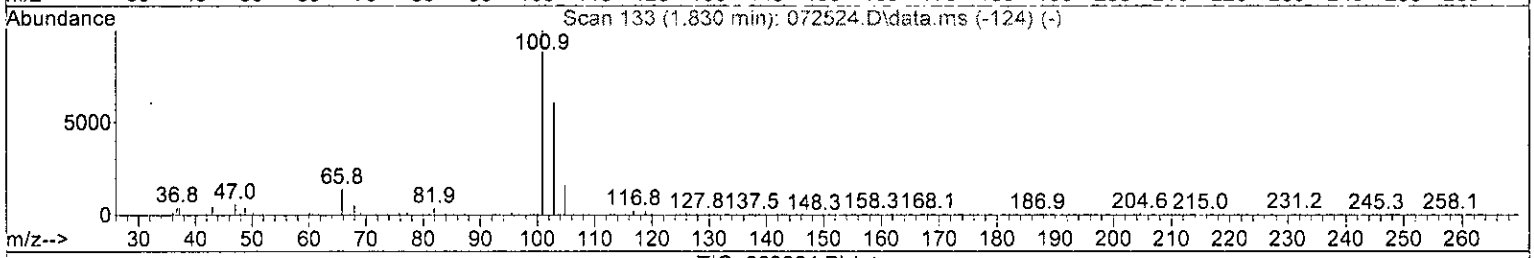
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080324.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.855min (+ 0.013) 1.115 ppb m

response 6399

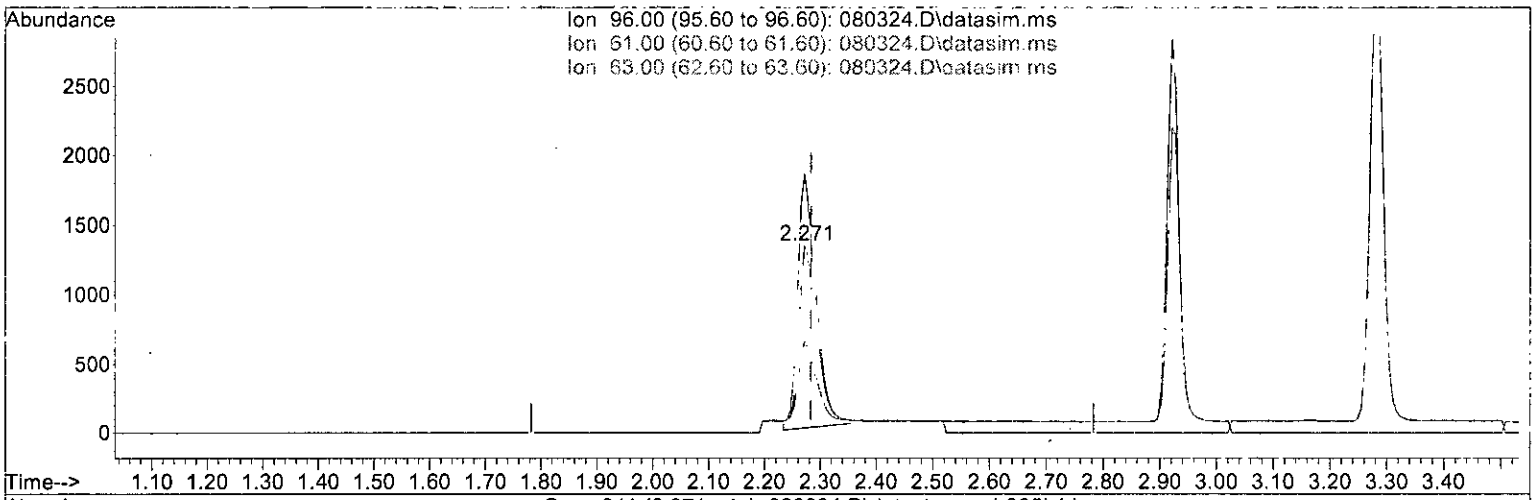
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	58.77
0.00	0.00	0.00
0.00	0.00	0.00

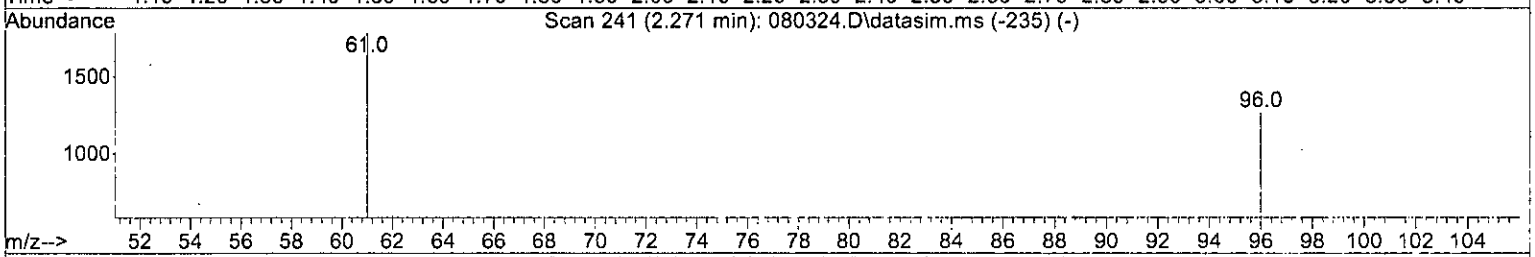
8/5 QM

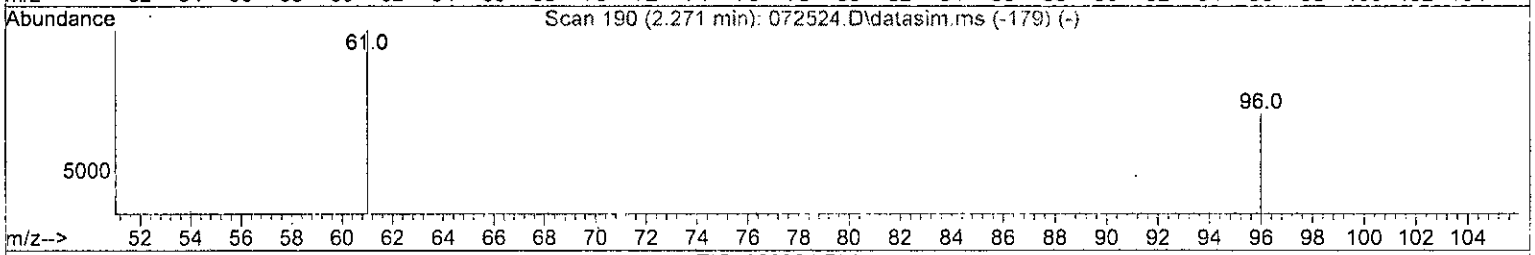
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080324.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.271min (-0.012) 1.122 ppb

response 3073

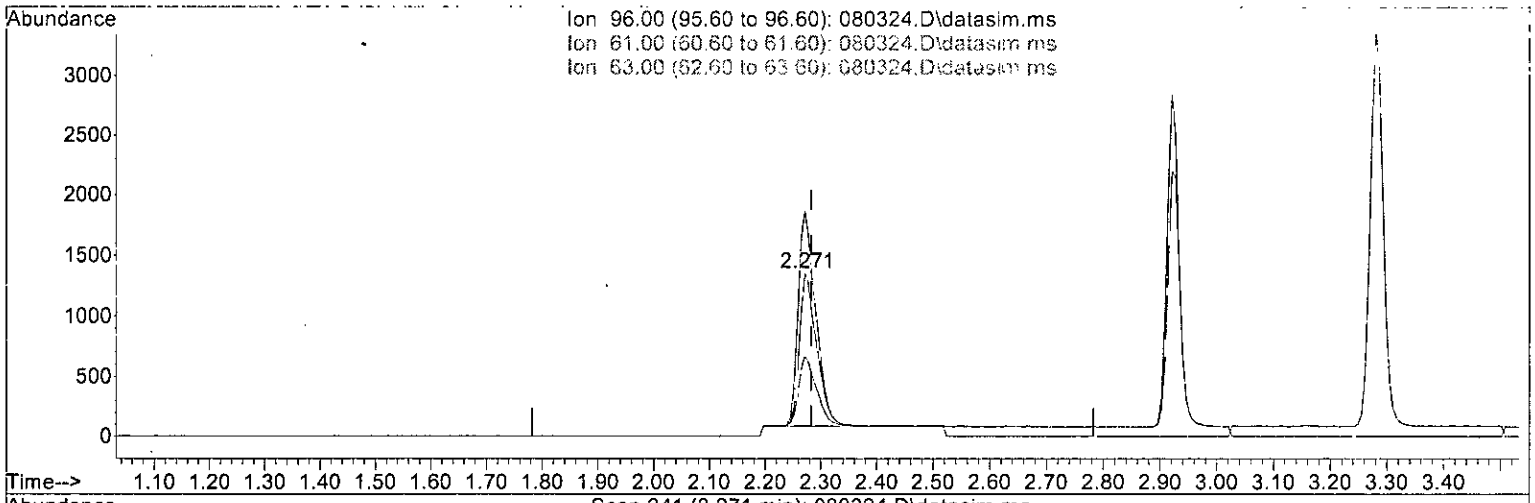
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	135.30	140.74
63.00	45.80	45.78
0.00	0.00	0.00

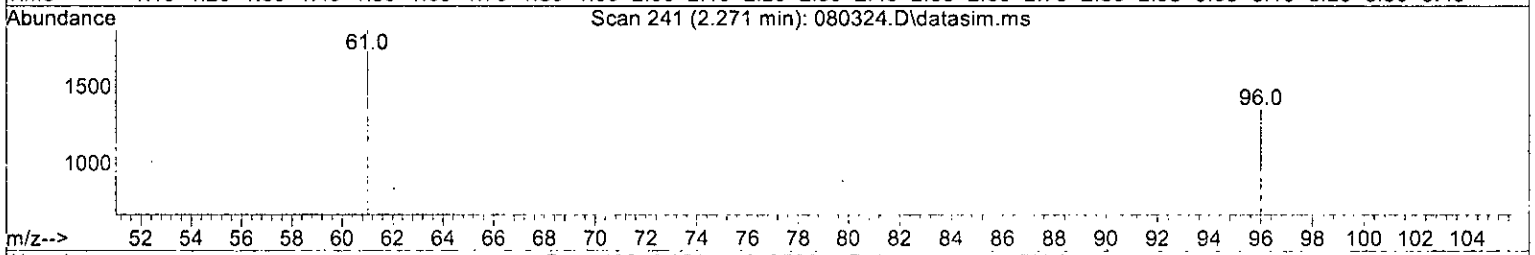
8/5 JM

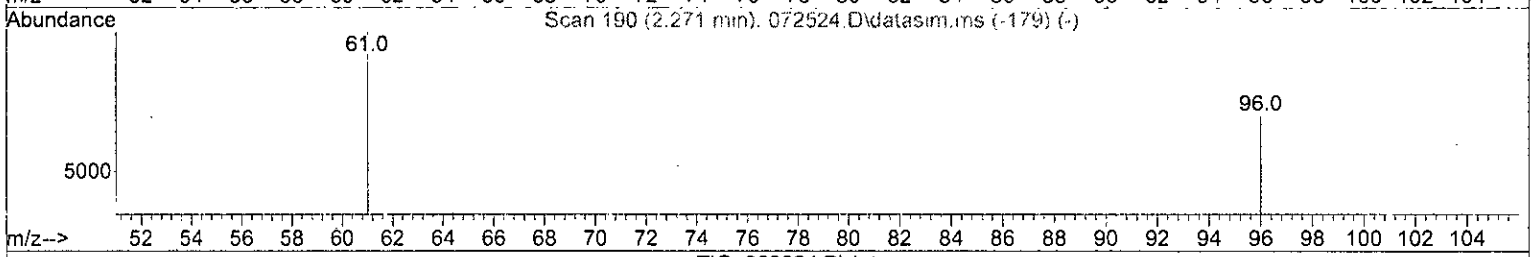
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080324.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.271min (-0.012) 1.005 ppb m

response 2752

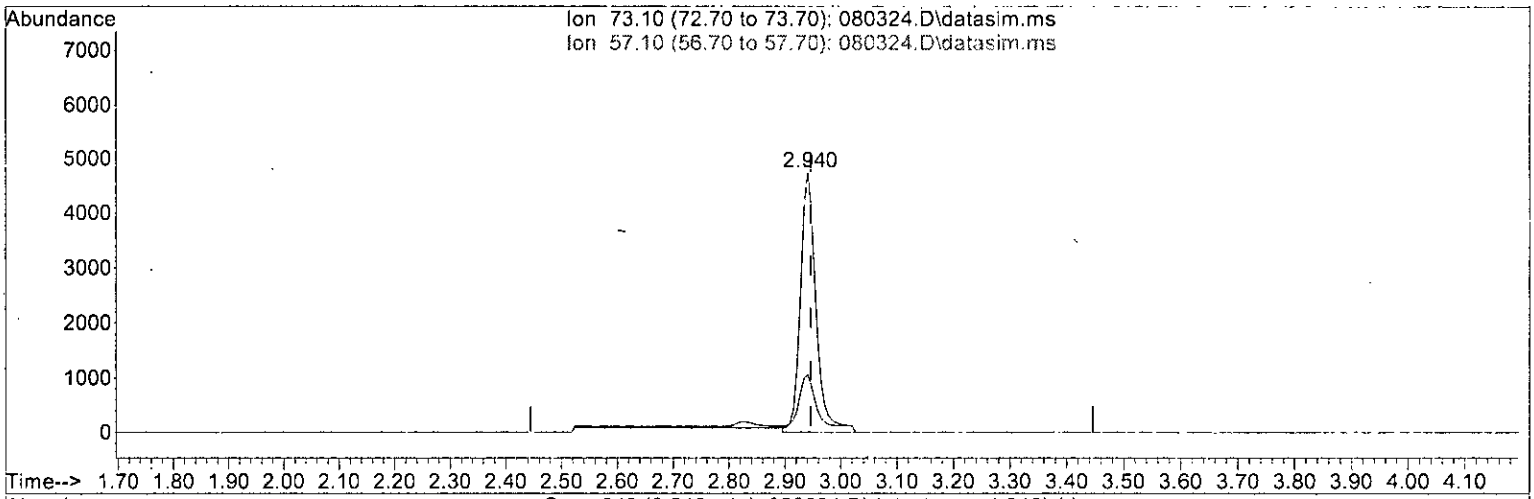
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	135.30	138.14
63.00	45.80	49.37
0.00	0.00	0.00

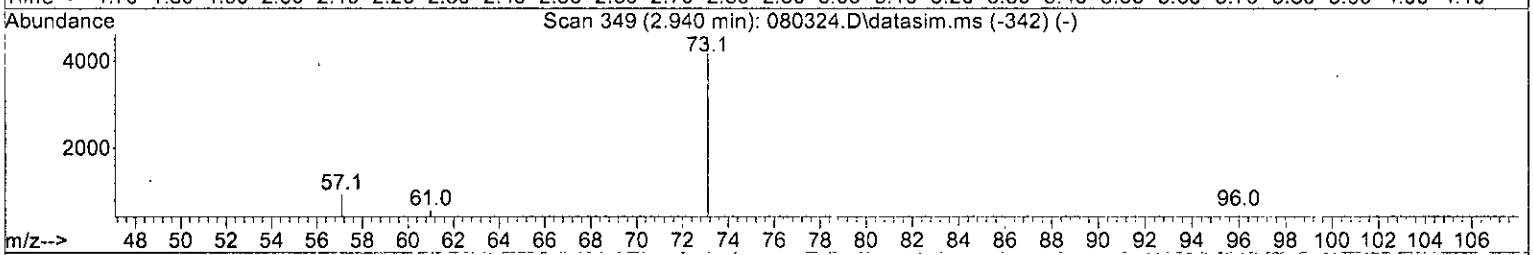
8/5 OM

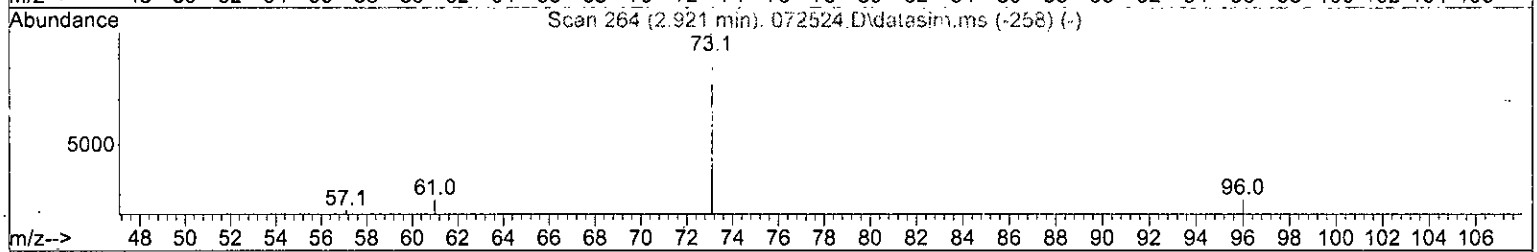
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080324.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.940min (-0.006) 1.128 ppb

response 9279

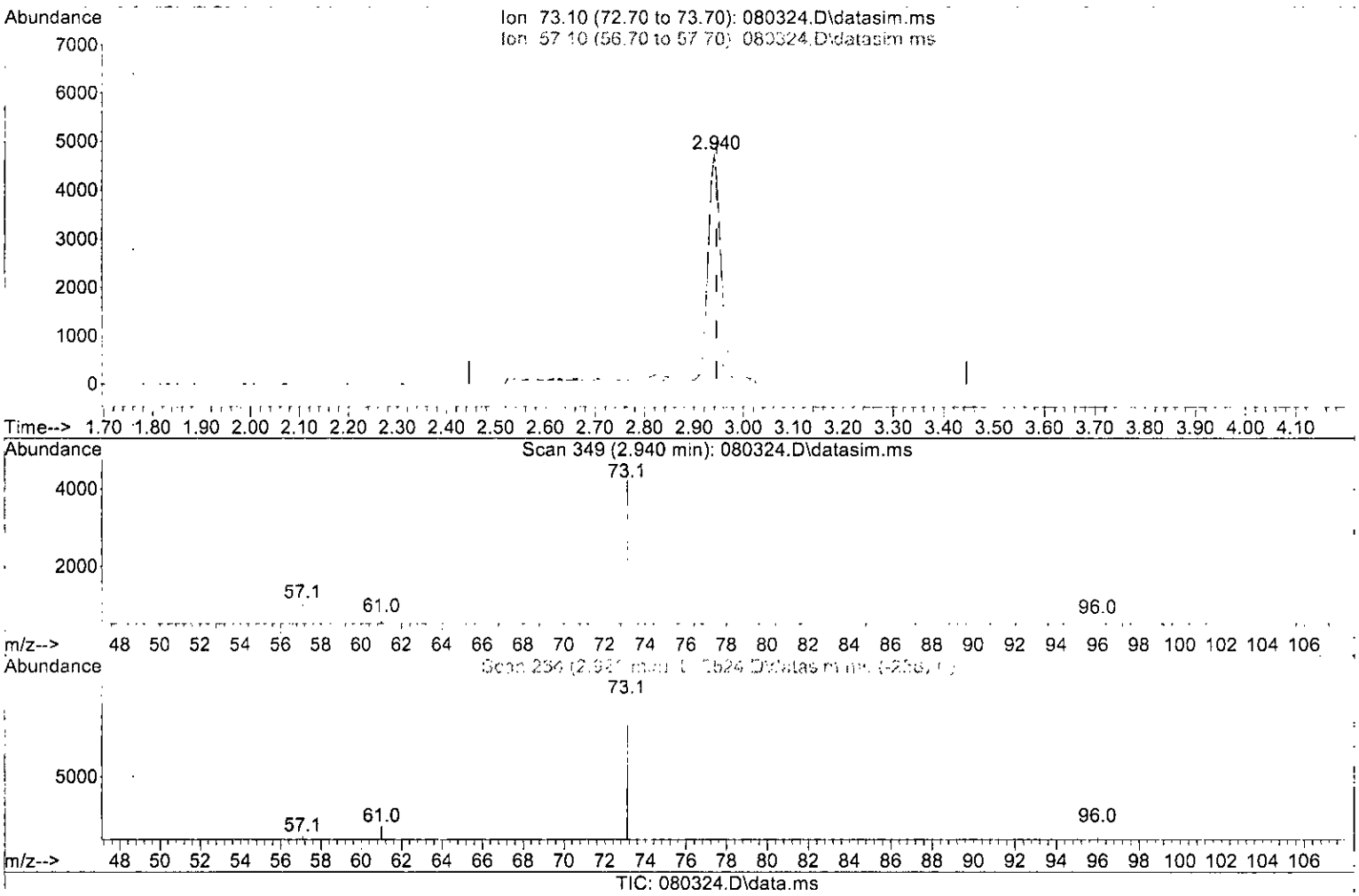
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	17.70	22.26
0.00	0.00	0.00
0.00	0.00	0.00

8/5

Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



(16) Methyl t-butyl ether (MTBE) (TMP)

2.940min (-0.006) 1.060 ppb m

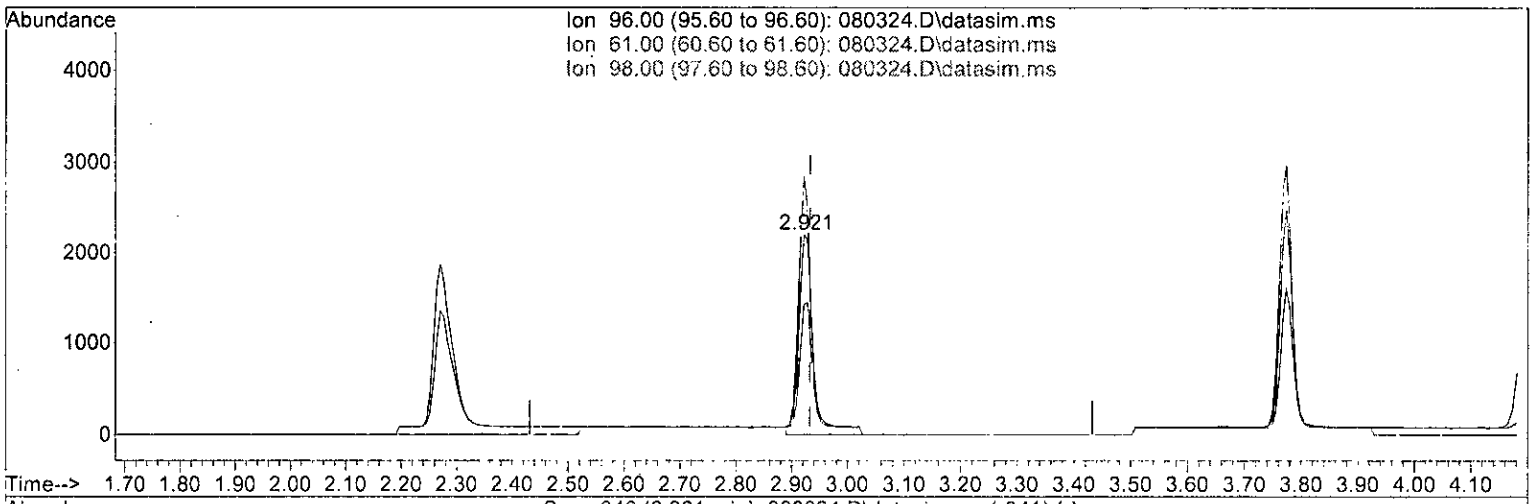
response 8720

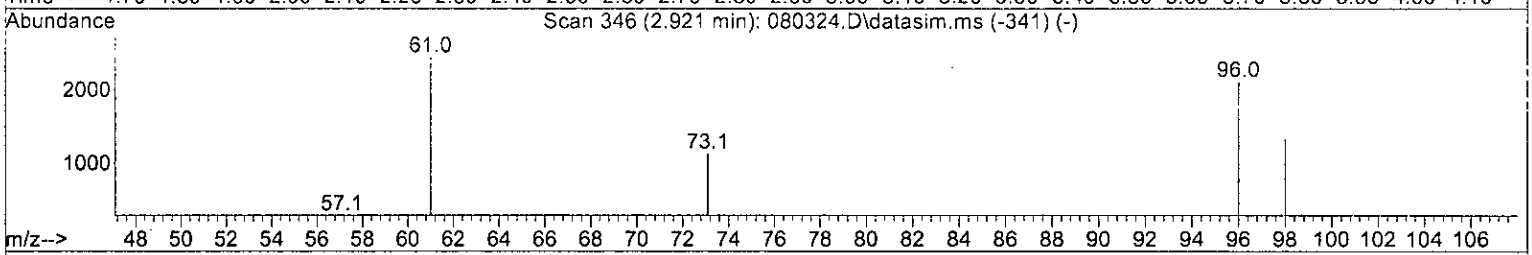
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	17.70	22.26
0.00	0.00	0.00
0.00	0.00	0.00

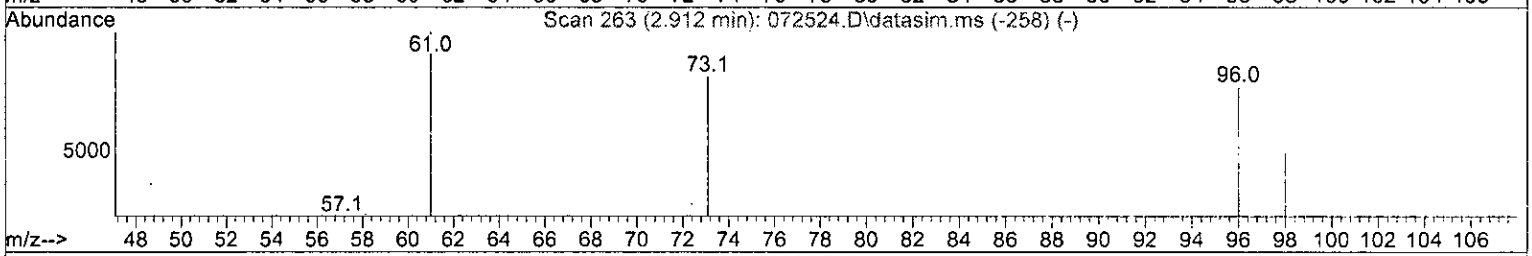
8/5 DM

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080324.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.921min (-0.012) 1.191 ppb

response 3885

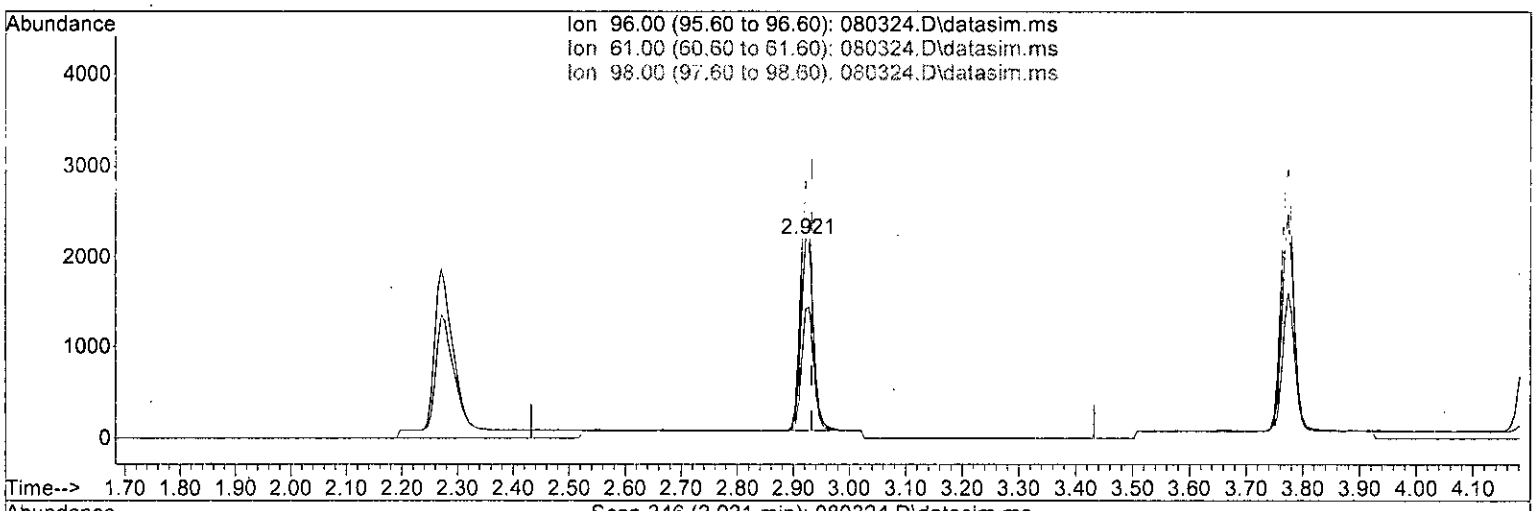
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	133.10	129.48
98.00	58.60	64.42
0.00	0.00	0.00

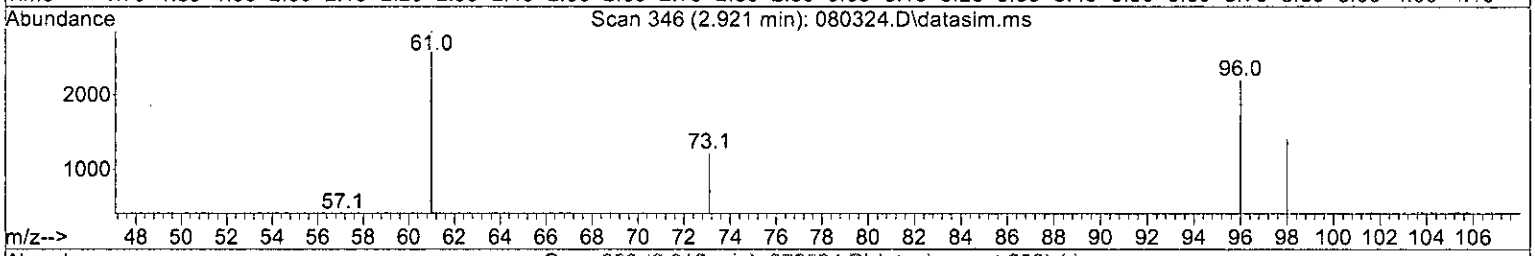
8/5 JCM

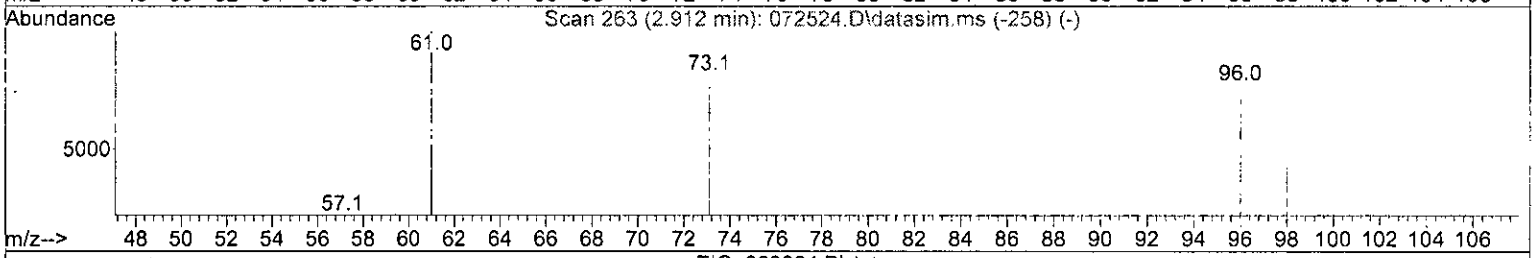
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:05 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080324.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.921min (-0.012) 0.990 ppb m

response 3227

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	133.10	129.48
98.00	58.60	64.42
0.00	0.00	0.00

8/5 DM

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:23:28 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.198	-2.0	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	0.934	6.6	100	0.00
5	TMP	Chloromethane	1.000	0.958	4.2	83	-0.01
6	TMP	Vinyl chloride	1.000	0.965	3.5	100	-0.01
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.60#
8	TMP	Chloroethane	1.000	0.992	0.8	100	-0.01
9	TMP	Trichlorofluoromethane	1.000	1.115	-11.5	100	0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	5.000	0.000	100.0#	0	-2.34#
12	TMP	1,1-Dichloroethene	1.000	1.005	-0.5	98	-0.01
13	TMP	Hexane	1.000	1.216	-21.6#	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	5.000	5.883	-17.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.000	1.060	-6.0	103	0.00
17	TMP	trans-1,2-Dichloroethene	1.000	0.990	1.0	90	-0.01
18	TMP	Diisopropyl ether (DIPE)	1.000	1.071	-7.1	100	0.00
19	TMP	1,1-Dichloroethane	1.000	1.039	-3.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	0.995	0.5	100	0.00
21	TMP	2,2-Dichloropropane	1.000	1.098	-9.8	100	-0.01
22	TMP	cis-1,2-Dichloroethene	1.000	1.017	-1.7	100	0.00
23	TMP	Chloroform	1.000	1.050	-5.0	100	0.00
24	TMP	2-Butanone (MEK)	5.000	5.485	-9.7	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.000	1.084	-8.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	1.000	1.060	-6.0	100	0.00
27	TMP	1,1,1-Trichloroethane	1.000	1.036	-3.6	100	0.00
28	TMP	1,1-Dichloropropene	1.000	1.025	-2.5	100	0.00
29	TMP	Carbon tetrachloride	1.000	1.072	-7.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.509	-5.1	100	0.00
31	TMP	Benzene	1.000	1.034	-3.4	100	0.00
32	TMP	Trichloroethene	1.000	1.026	-2.6	100	0.00
33	TMP	1,2-Dichloropropane	1.000	1.185	-18.5	100	0.00
34	TMP	Bromodichloromethane	1.000	1.047	-4.7	100	0.00
35	S	Toluene-d8	10.000	10.196	-2.0	100	0.00
36	TMP	Dibromomethane	1.000	1.050	-5.0	100	0.00
37	TMP	4-Methyl-2-pentanone	5.000	5.516	-10.3	100	0.00
38	TMP	cis-1,3-Dichloropropene	1.000	1.068	-6.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	1.000	1.038	-3.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	1.000	1.011	-1.1	100	0.00
42	TMP	1,1,2-Trichloroethane	1.000	1.038	-3.8	100	0.00
43	TMP	2-Hexanone	5.000	5.525	-10.5	100	0.00
44	TMP	1,3-Dichloropropane	1.000	1.088	-8.8	100	0.00
45	TMP	Tetrachloroethene	1.000	1.019	-1.9	100	0.00
46	TMP	Dibromochloromethane	1.000	1.036	-3.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	1.000	0.991	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:23:28 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	1.000	1.008	-0.8	100	0.00
49	TMP	Ethylbenzene	1.000	1.026	-2.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	1.000	0.980	2.0	100	0.00
51	TMP	m,p-Xylene	2.000	2.133	-6.7	100	0.00
52	TMP	o-Xylene	1.000	1.025	-2.5	100	0.00
53	TMP	Styrene	1.000	0.984	1.6	100	0.00
54	TMP	Isopropylbenzene	1.000	0.994	0.6	100	0.00
55	TMP	Bromoform	1.000	0.986	1.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.361	-3.6	100	0.00
58	TMP	n-Propylbenzene	1.000	1.086	-8.6	100	0.00
59	TMP	Bromobenzene	1.000	1.007	-0.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.000	1.080	-8.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.000	1.028	-2.8	100	0.00
62	TMP	1,2,3-Trichloropropane	1.000	1.174	-17.4	100	0.00
63	TMP	2-Chlorotoluene	1.000	1.079	-7.9	100	0.00
64	TMP	4-Chlorotoluene	1.000	1.077	-7.7	100	0.00
65	TMP	tert-Butylbenzene	1.000	1.041	-4.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.000	1.072	-7.2	100	0.00
67	TMP	sec-Butylbenzene	1.000	1.053	-5.3	100	0.00
68	TMP	p-Isopropyltoluene	1.000	0.978	2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.000	1.010	-1.0	100	0.00
70	TMP	1,4-Dichlorobenzene	1.000	1.002	-0.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.000	1.052	-5.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	1.000	1.208	-20.8#	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.000	0.941	5.9	100	0.00
74	TMP	Hexachlorobutadiene	1.000	0.997	0.3	100	0.00
75	TMP	Naphthalene	1.000	0.899	10.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.000	0.963	3.7	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:23:28 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.279	0.285	-2.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.324	6.6	100	0.00
5	TMP	Chloromethane	0.324	0.310	4.3	83	-0.01
6	TMP	Vinyl chloride	0.333	0.321	3.6	100	-0.01
7	TMP	Bromomethane	0.204	0.000#	100.0#	0#	-1.60#
8	TMP	Chloroethane	0.114	0.113	0.9	100	-0.01
9	TMP	Trichlorofluoromethane	0.577	0.644	-11.6	100	0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.000#	100.0#	0#	-2.34#
12	TMP	1,1-Dichloroethene	0.276	0.277	-0.4	98	-0.01
13	TMP	Hexane	0.347	0.423	-21.9#	100	0.00
14	TMP	Methylene chloride	0.363	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.034	0.040	-17.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.877	-6.0	103	0.00
17	TMP	trans-1,2-Dichloroethene	0.328	0.325	0.9	90	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.765	0.819	-7.1	100	0.00
19	TMP	1,1-Dichloroethane	0.510	0.530	-3.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.329	0.3	100	0.00
21	TMP	2,2-Dichloropropane	0.288	0.316	-9.7	100	-0.01
22	TMP	cis-1,2-Dichloroethene	0.345	0.350	-1.4	100	0.00
23	TMP	Chloroform	0.519	0.545	-5.0	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.149	-9.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.813	-8.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.419	3.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.512	-3.6	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.410	-3.8	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.429	-7.2	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.063	-5.0	100	0.00
31	TMP	Benzene	1.240	1.282	-3.4	100	0.00
32	TMP	Trichloroethene	0.358	0.368	-2.8	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.330	-18.7	100	0.00
34	TMP	Bromodichloromethane	0.393	0.411	-4.6	100	0.00
35	S	Toluene-d8	1.013	1.033	-2.0	100	0.00
36	TMP	Dibromomethane	0.197	0.207	-5.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.058	-9.4	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.492	-6.7	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	1.061	0.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.557	-1.1	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.362	-4.0	100	0.00
43	TMP	2-Hexanone	0.262	0.290	-10.7	100	0.00
44	TMP	1,3-Dichloropropane	0.539	0.586	-8.7	100	0.00
45	TMP	Tetrachloroethene	0.380	0.366	3.7	100	0.00
46	TMP	Dibromochloromethane	0.406	0.420	-3.4	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.420	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:23:28 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.972	-0.9	100	0.00
49	TMP	Ethylbenzene	1.938	1.988	-2.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.336	2.0	100	0.00
51	TMP	m,p-Xylene	0.711	0.733	-3.1	100	0.00
52	TMP	o-Xylene	0.690	0.707	-2.5	100	0.00
53	TMP	Styrene	0.959	0.943	1.7	100	0.00
54	TMP	Isopropylbenzene	1.552	1.544	0.5	100	0.00
55	TMP	Bromoform	0.258	0.254	1.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	1.014	-3.6	100	0.00
58	TMP	n-Propylbenzene	3.720	4.039	-8.6	100	0.00
59	TMP	Bromobenzene	0.767	0.773	-0.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.636	-8.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.957	-2.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.744	-17.4	100	0.00
63	TMP	2-Chlorotoluene	2.102	2.268	-7.9	100	0.00
64	TMP	4-Chlorotoluene	2.486	2.678	-7.7	100	0.00
65	TMP	tert-Butylbenzene	2.175	2.264	-4.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.752	-7.2	100	0.00
67	TMP	sec-Butylbenzene	3.249	3.420	-5.3	100	0.00
68	TMP	p-Isopropyltoluene	2.642	2.584	2.2	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.437	-1.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.400	-0.1	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.438	-5.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.179	-20.9#	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.790	6.0	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.448	0.2	100	0.00
75	TMP	Naphthalene	1.902	1.709	10.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.705	3.7	100	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:23:28 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	99390	10.000 ppb		0.00
39) Chlorobenzene-d5	7.41	117	75926	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	36918	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	28284	10.198 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.00%			
30) 1,2-Dichloroethane-d4	4.46	102	6246	10.509 ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 105.10%			
35) Toluene-d8	6.11	98	102699	10.196 ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 102.00%			
57) 4-Bromofluorobenzene	8.52	95	37432	10.361 ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 103.60%			
Target Compounds						Qvalue
2) Ethanol	2.34	45	450	No Calib		
4) Dichlorodifluoromethane	1.11	85	3216	0.934 ppb		89
5) Chloromethane	1.26	50	3084	0.958 ppb		97
6] Vinyl chloride	1.33	62	3190m	0.965 ppb		
7) Bromomethane	0.00		0	N.D. d		
8] Chloroethane	1.65	64	1127	0.992 ppb		93
9) Trichlorofluoromethane	1.85	101	6399m	1.115 ppb		
10) 2-Propanol	2.34	45	450	No Calib		
11) Acetone	0.00		0	N.D. d		
12] 1,1-Dichloroethene	2.27	96	2752m	1.005 ppb		
13) Hexane	3.16	57	4201	1.216 ppb		81
14) Methylene chloride	0.00		0	N.D. d		
15) t-Butyl alcohol (TBA)	2.83	59	1996	5.883 ppb		100
16] Methyl t-butyl ether (...	2.94	73	8720m	1.060 ppb		
17] trans-1,2-Dichloroethene	2.92	96	3227m	0.990 ppb		
18) Diisopropyl ether (DIPE)	3.36	45	8136	1.071 ppb		97
19] 1,1-Dichloroethane	3.28	63	5265	1.039 ppb		99
20) Ethyl t-butyl ether (E...	3.67	87	3267	0.995 ppb	#	65
21) 2,2-Dichloropropane	3.77	77	3140	1.098 ppb		80
22] cis-1,2-Dichloroethene	3.77	96	3481	1.017 ppb		98
23) Chloroform	4.05	83	5414	1.050 ppb		97
24) 2-Butanone (MEK)	3.80	43	7401	5.485 ppb		92
25) t-Amyl methyl ether (T...	4.62	73	8080	1.084 ppb		96
26] 1,2-Dichloroethane (EDC)	4.52	62	4168	1.060 ppb		99
27] 1,1,1-Trichloroethane	4.20	97	5087	1.036 ppb		96
28) 1,1-Dichloropropene	4.34	75	4078	1.025 ppb		92
29) Carbon tetrachloride	4.34	117	4259	1.072 ppb		94
31] Benzene	4.51	78	12743	1.034 ppb		99
32] Trichloroethene	5.06	95	3653	1.026 ppb		86
33) 1,2-Dichloropropane	5.25	63	3279	1.185 ppb	#	79
34) Bromodichloromethane	5.49	83	4089	1.047 ppb		90
36) Dibromomethane	5.35	93	2060	1.050 ppb	#	75
37) 4-Methyl-2-pentanone	6.02	85	2901	5.516 ppb		90
38) cis-1,3-Dichloropropene	5.88	75	4891	1.068 ppb		92
40] Toluene	6.16	92	8059	1.038 ppb		96
41) trans-1,3-Dichloropropene	6.37	75	4229	1.011 ppb		74

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

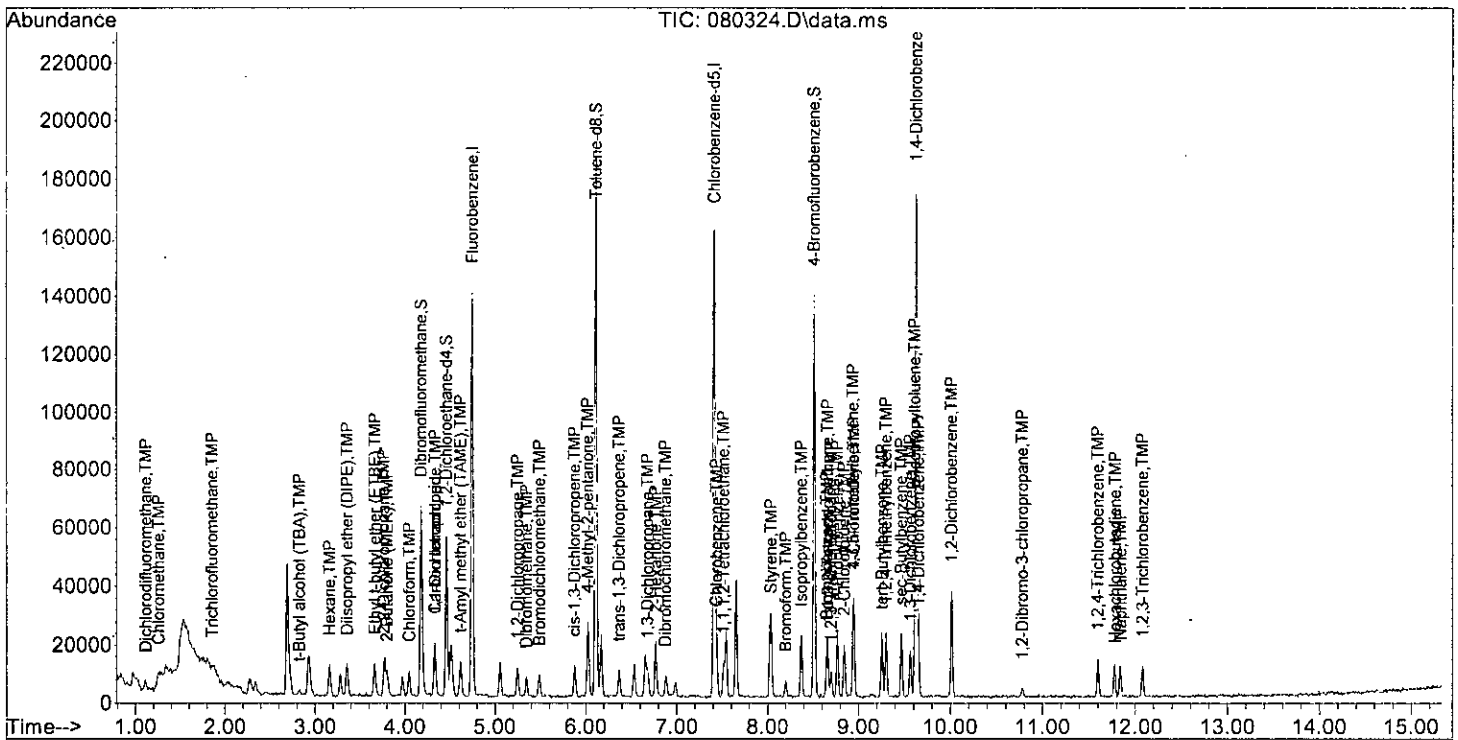
Quant Time: Aug 05 13:23:28 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

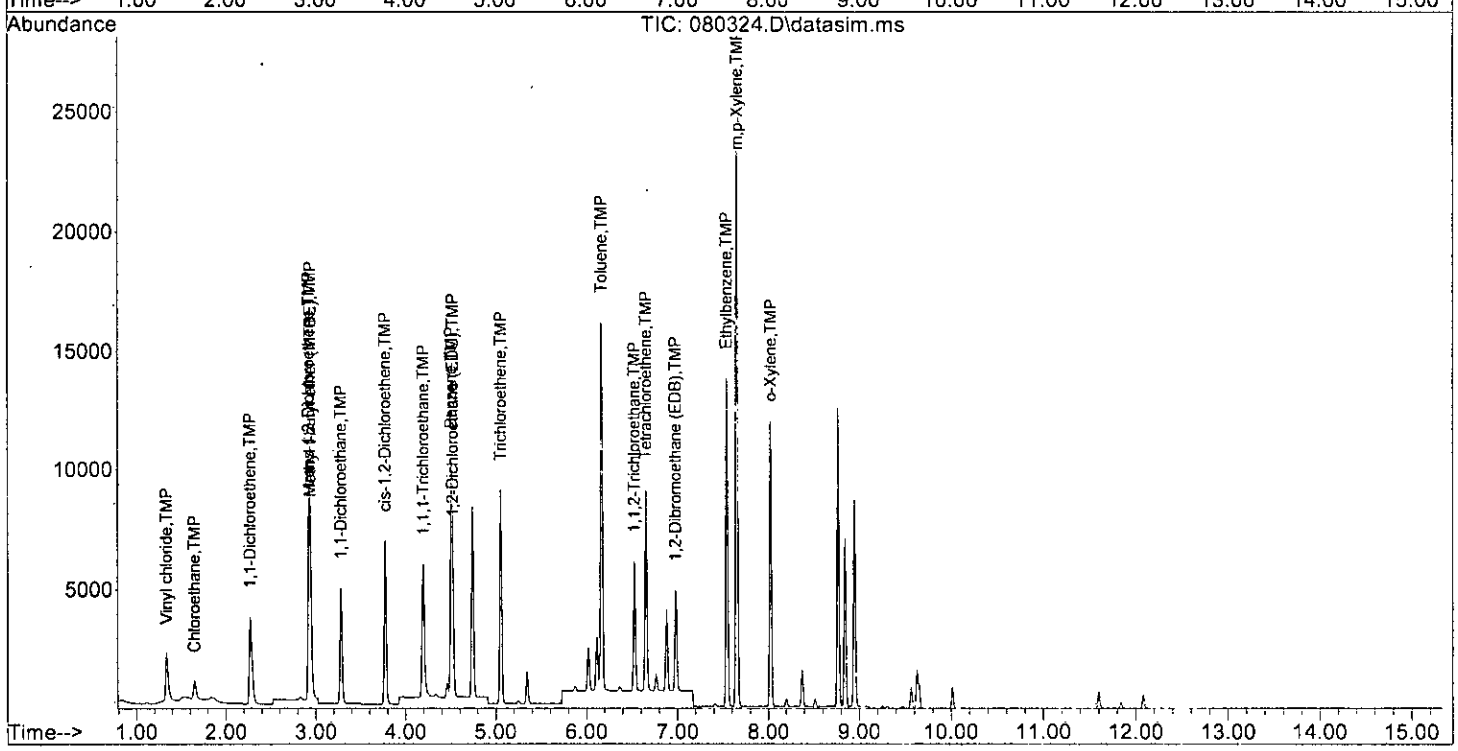
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	2747	1.038	ppb	#	61
43) 2-Hexanone	6.77	43	11002	5.525	ppb		98
44) 1,3-Dichloropropane	6.68	76	4451	1.088	ppb		91
45] Tetrachloroethene	6.65	164	2778	1.019	ppb		89
46) Dibromochloromethane	6.88	129	3190	1.036	ppb		81
47] 1,2-Dibromoethane (EDB)	6.98	107	3192	0.991	ppb		83
48) Chlorobenzene	7.44	112	7377	1.008	ppb		85
49] Ethylbenzene	7.54	91	15096	1.026	ppb		88
50) 1,1,1,2-Tetrachloroethane	7.51	131	2550	0.980	ppb		91
51] m,p-Xylene	7.66	106	11134	2.133	ppb		86
52] o-Xylene	8.03	106	5370	1.025	ppb		99
53) Styrene	8.04	104	7161	0.984	ppb		96
54) Isopropylbenzene	8.37	105	11720	0.994	ppb		84
55) Bromoform	8.20	173	1930	0.986	ppb		81
58) n-Propylbenzene	8.77	91	14910	1.086	ppb		79
59) Bromobenzene	8.65	156	2853	1.007	ppb	#	60
60) 1,3,5-Trimethylbenzene	8.94	105	9733	1.080	ppb		94
61) 1,1,2,2-Tetrachloroethane	8.66	83	3534	1.028	ppb		77
62) 1,2,3-Trichloropropane	8.70	75	2748	1.174	ppb		77
63) 2-Chlorotoluene	8.84	91	8373	1.079	ppb		92
64) 4-Chlorotoluene	8.95	91	9885	1.077	ppb		78
65) tert-Butylbenzene	9.26	119	8359	1.041	ppb		90
66) 1,2,4-Trimethylbenzene	9.30	105	10161	1.072	ppb		93
67) sec-Butylbenzene	9.47	105	12627	1.053	ppb		98
68) p-Isopropyltoluene	9.61	119	9538	0.978	ppb		91
69) 1,3-Dichlorobenzene	9.56	146	5305	1.010	ppb		93
70) 1,4-Dichlorobenzene	9.65	146	5170	1.002	ppb		92
71) 1,2-Dichlorobenzene	10.01	146	5308	1.052	ppb		88
72) 1,2-Dibromo-3-chloropr...	10.78	75	659	1.208	ppb	#	67
73) 1,2,4-Trichlorobenzene	11.60	180	2917	0.941	ppb		79
74) Hexachlorobutadiene	11.78	225	1654	0.997	ppb		77
75) Naphthalene	11.84	128	6309	0.899	ppb		98
76) 1,2,3-Trichlorobenzene	12.08	180	2601	0.963	ppb		87

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

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080324.D
Acq On : 03 Aug 2022 09:49 pm
Operator : JCM
Sample : 1 ppb 8260 ICAL 67-43K
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:23:28 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

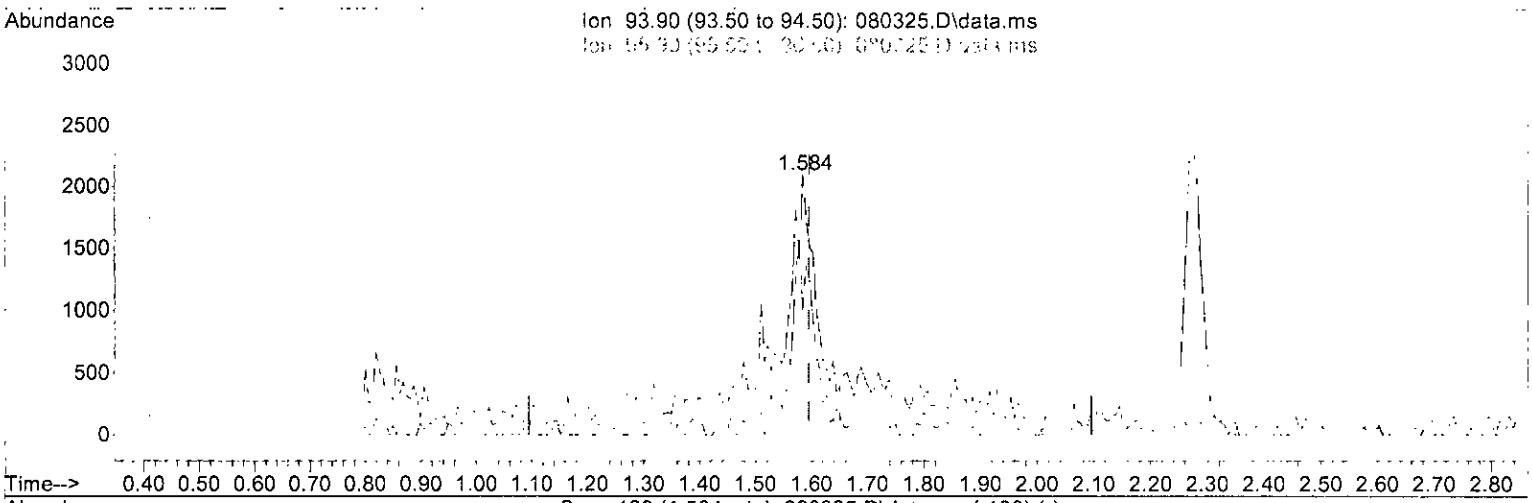


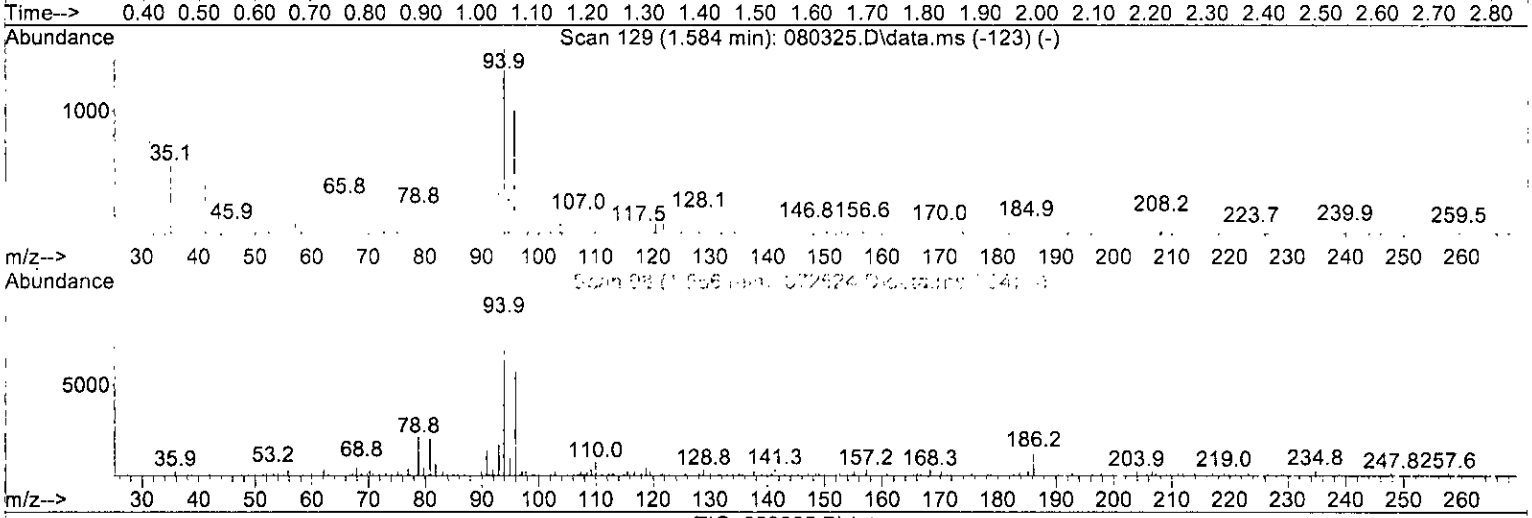


Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080325.D
Acq On : 03 Aug 2022 10:12 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:07 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080325.D\data.ms

(7) Bromomethane (TMP)

1.584min (-0.012) 2.905 ppb

response 5881

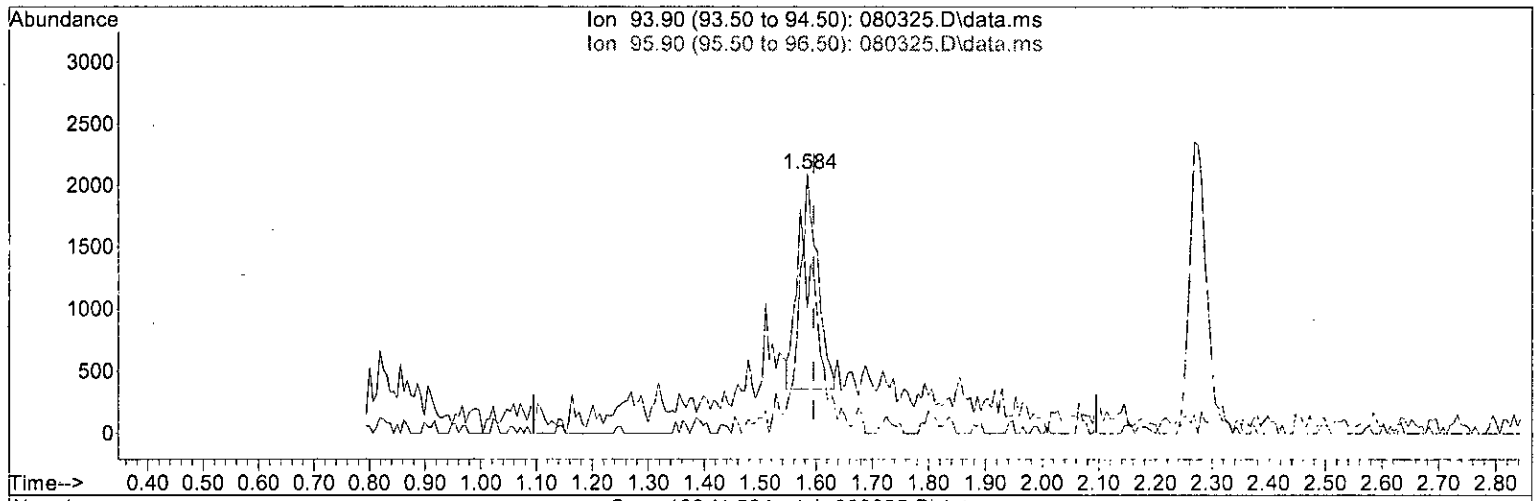
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	92.40	54.57#
0.00	0.00	0.00
0.00	0.00	0.00

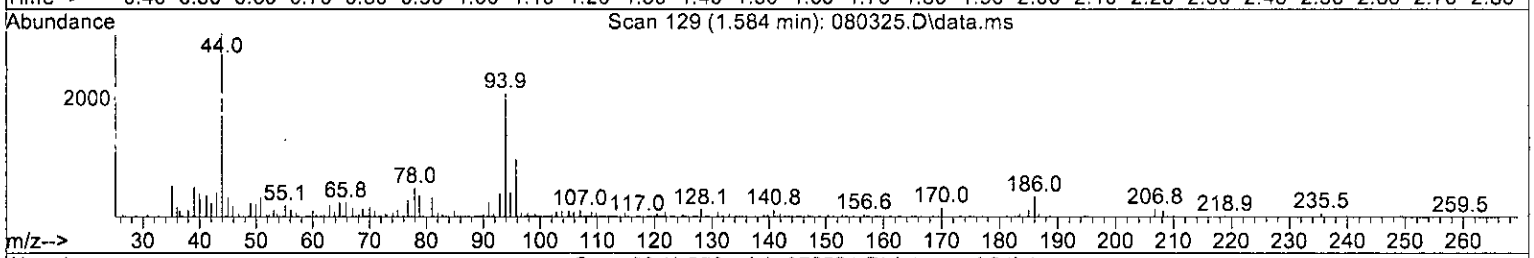
8/5 JCM

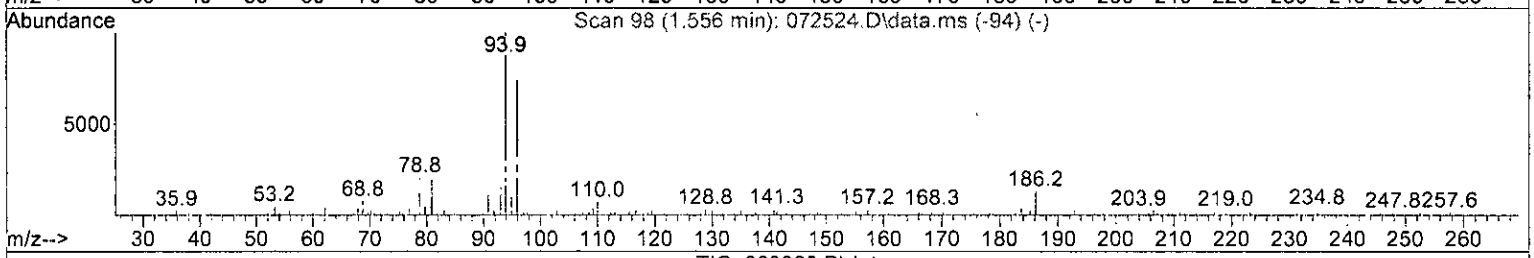
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080325.D
Acq On : 03 Aug 2022 10:12 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:07 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080325.D\data.ms

(7) Bromomethane (TMP)

1.584min (-0.012) 2.056 ppb m

response 4162

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	92.40	47.99#
0.00	0.00	0.00
0.00	0.00	0.00

8/5 DLM

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080325.D
Acq On : 03 Aug 2022 10:12 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:26:40 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.04
3	S	Dibromofluoromethane	10.000	10.313	-3.1	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	1.549	22.6#	94	-0.01
5	TMP	Chloromethane	2.000	1.905	4.7	100	0.00
6	TMP	Vinyl chloride	2.000	2.003	-0.2	105	-0.01
7	TMP	Bromomethane	2.000	2.056	-2.8	90	-0.01
8	TMP	Chloroethane	2.000	1.984	0.8	100	-0.02
9	TMP	Trichlorofluoromethane	2.000	1.856	7.2	91	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11	TMP	Acetone	10.000	11.649	-16.5	100	0.00
12	TMP	1,1-Dichloroethene	2.000	2.105	-5.2	102	-0.01
13	TMP	Hexane	2.000	2.342	-17.1	100	0.00
14	TMP	Methylene chloride	2.000	0.000	100.0#	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	10.000	10.549	-5.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	2.000	2.149	-7.5	103	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	2.154	-7.7	113	-0.01
18	TMP	Diisopropyl ether (DIPE)	2.000	2.072	-3.6	100	0.00
19	TMP	1,1-Dichloroethane	2.000	2.030	-1.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	2.086	-4.3	100	-0.01
21	TMP	2,2-Dichloropropane	2.000	2.363	-18.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	2.021	-1.0	100	0.00
23	TMP	Chloroform	2.000	1.984	0.8	100	0.00
24	TMP	2-Butanone (MEK)	10.000	10.059	-0.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	2.185	-9.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	2.065	-3.2	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	2.054	-2.7	100	0.00
28	TMP	1,1-Dichloropropene	2.000	1.986	0.7	100	0.00
29	TMP	Carbon tetrachloride	2.000	2.042	-2.1	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.881	1.2	100	0.00
31	TMP	Benzene	2.000	2.036	-1.8	100	0.00
32	TMP	Trichloroethene	2.000	2.008	-0.4	100	0.00
33	TMP	1,2-Dichloropropane	2.000	1.867	6.7	100	0.00
34	TMP	Bromodichloromethane	2.000	2.002	-0.1	100	0.00
35	S	Toluene-d8	10.000	10.138	-1.4	100	0.00
36	TMP	Dibromomethane	2.000	2.089	-4.4	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	10.300	-3.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	2.000	2.025	-1.2	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	2.069	-3.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	1.985	0.7	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	2.039	-2.0	100	0.00
43	TMP	2-Hexanone	10.000	10.431	-4.3	100	0.00
44	TMP	1,3-Dichloropropane	2.000	2.081	-4.0	100	0.00
45	TMP	Tetrachloroethene	2.000	2.042	-2.1	100	0.00
46	TMP	Dibromochloromethane	2.000	1.926	3.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	2.000	1.980	1.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080325.D
Acq On : 03 Aug 2022 10:12 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:26:40 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	2.000	1.976	1.2	100	0.00
49	TMP	Ethylbenzene	2.000	2.042	-2.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	2.000	1.978	1.1	100	0.00
51	TMP	m,p-Xylene	4.000	4.237	-5.9	100	0.00
52	TMP	o-Xylene	2.000	2.052	-2.6	100	0.00
53	TMP	Styrene	2.000	2.007	-0.4	100	0.00
54	TMP	Isopropylbenzene	2.000	2.019	-1.0	100	0.00
55	TMP	Bromoform	2.000	1.851	7.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.773	2.3	100	0.00
58	TMP	n-Propylbenzene	2.000	1.988	0.6	100	0.00
59	TMP	Bromobenzene	2.000	2.054	-2.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.000	1.958	2.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	2.000	1.955	2.2	100	0.00
62	TMP	1,2,3-Trichloropropane	2.000	2.057	-2.8	100	0.00
63	TMP	2-Chlorotoluene	2.000	1.964	1.8	100	0.00
64	TMP	4-Chlorotoluene	2.000	2.003	-0.2	100	0.00
65	TMP	tert-Butylbenzene	2.000	1.987	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.000	1.889	5.5	100	0.00
67	TMP	sec-Butylbenzene	2.000	1.955	2.2	100	0.00
68	TMP	p-Isopropyltoluene	2.000	2.000	0.0	100	0.00
69	TMP	1,3-Dichlorobenzene	2.000	1.985	0.7	100	0.00
70	TMP	1,4-Dichlorobenzene	2.000	2.016	-0.8	100	0.00
71	TMP	1,2-Dichlorobenzene	2.000	1.995	0.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	2.000	2.071	-3.6	100	0.00
73	TMP	1,2,4-Trichlorobenzene	2.000	1.902	4.9	100	0.00
74	TMP	Hexachlorobutadiene	2.000	2.099	-5.0	100	0.00
75	TMP	Naphthalene	2.000	1.828	8.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	2.000	1.835	8.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080325.D
Acq On : 03 Aug 2022 10:12 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:26:40 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.04
3	S	Dibromofluoromethane	0.279	0.288	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.269	22.5#	94	-0.01
5	TMP	Chloromethane	0.324	0.308	4.9	100	0.00
6	TMP	Vinyl chloride	0.333	0.333	0.0	105	-0.01
7	TMP	Bromomethane	0.204	0.210	-2.9	90	-0.01
8	TMP	Chloroethane	0.114	0.113	0.9	100	-0.02
9	TMP	Trichlorofluoromethane	0.577	0.536	7.1	91	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11	TMP	Acetone	0.024	0.028	-16.7	100	0.00
12	TMP	1,1-Dichloroethene	0.276	0.290	-5.1	102	-0.01
13	TMP	Hexane	0.347	0.407	-17.3	100	0.00
14	TMP	Methylene chloride	0.363	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.034	0.036	-5.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.889	-7.5	103	0.00
17	TMP	trans-1,2-Dichloroethene	0.328	0.353	-7.6	113	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.765	0.792	-3.5	100	0.00
19	TMP	1,1-Dichloroethane	0.510	0.517	-1.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.344	-4.2	100	-0.01
21	TMP	2,2-Dichloropropane	0.288	0.340	-18.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.348	-0.9	100	0.00
23	TMP	Chloroform	0.519	0.514	1.0	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.137	-0.7	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.819	-9.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.404	6.9	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.507	-2.6	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.382	3.3	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.408	-2.0	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.059	1.7	100	0.00
31	TMP	Benzene	1.240	1.263	-1.9	100	0.00
32	TMP	Trichloroethene	0.358	0.360	-0.6	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.260	6.5	100	0.00
34	TMP	Bromodichloromethane	0.393	0.393	0.0	100	0.00
35	S	Toluene-d8	1.013	1.027	-1.4	100	0.00
36	TMP	Dibromomethane	0.197	0.206	-4.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.055	-3.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.467	-1.3	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	1.052	1.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.547	0.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.355	-2.0	100	0.00
43	TMP	2-Hexanone	0.262	0.274	-4.6	100	0.00
44	TMP	1,3-Dichloropropane	0.539	0.561	-4.1	100	0.00
45	TMP	Tetrachloroethene	0.380	0.364	4.2	100	0.00
46	TMP	Dibromochloromethane	0.406	0.391	3.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.420	0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080325.D
Acq On : 03 Aug 2022 10:12 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:26:40 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.952	1.1	100	0.00
49	TMP	Ethylbenzene	1.938	1.979	-2.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.339	1.2	100	0.00
51	TMP	m,p-Xylene	0.711	0.726	-2.1	100	0.00
52	TMP	o-Xylene	0.690	0.708	-2.6	100	0.00
53	TMP	Styrene	0.959	0.962	-0.3	100	0.00
54	TMP	Isopropylbenzene	1.552	1.567	-1.0	100	0.00
55	TMP	Bromoform	0.258	0.239	7.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	0.956	2.3	100	0.00
58	TMP	n-Propylbenzene	3.720	3.699	0.6	100	0.00
59	TMP	Bromobenzene	0.767	0.788	-2.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.389	2.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.910	2.3	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.652	-2.8	100	0.00
63	TMP	2-Chlorotoluene	2.102	2.064	1.8	100	0.00
64	TMP	4-Chlorotoluene	2.486	2.490	-0.2	100	0.00
65	TMP	tert-Butylbenzene	2.175	2.161	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.424	5.6	100	0.00
67	TMP	sec-Butylbenzene	3.249	3.177	2.2	100	0.00
68	TMP	p-Isopropyltoluene	2.642	2.641	0.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.412	0.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.410	-0.9	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.364	0.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.153	-3.4	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.799	4.9	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.472	-5.1	100	0.00
75	TMP	Naphthalene	1.902	1.738	8.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.671	8.3	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080325.D
Acq On : 03 Aug 2022 10:12 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:26:40 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.75	96	99271	10.000 ppb	0.00
39) Chlorobenzene-d5	7.41	117	74137	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	38035	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	28570	10.313 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.10%		
30) 1,2-Dichloroethane-d4	4.46	102	5866	9.881 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 98.80%		
35) Toluene-d8	6.11	98	101989	10.138 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.40%		
57) 4-Bromofluorobenzene	8.52	95	36377	9.773 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 97.70%		
Target Compounds					Qvalue
2) Ethanol	2.38	45	141	No Calib	
4) Dichlorodifluoromethane	1.11	85	5331	1.549 ppb	85
5) Chloromethane	1.26	50	6123	1.905 ppb	93
6] Vinyl chloride	1.33	62	6615	2.003 ppb	98
7) Bromomethane	1.58	94	4162m	2.056 ppb	
8] Chloroethane	1.64	64	2251	1.984 ppb	91
9) Trichlorofluoromethane	1.83	101	10635	1.856 ppb	84
10) 2-Propanol	2.33	45	583	No Calib	
11) Acetone	2.34	58	2755	11.649 ppb #	43
12] 1,1-Dichloroethene	2.27	96	5758	2.105 ppb	96
13) Hexane	3.16	57	8078	2.342 ppb	92
14) Methylene chloride	0.00		0	N.D. d	
15) t-Butyl alcohol (TBA)	2.83	59	3575	10.549 ppb	100
16] Methyl t-butyl ether (...	2.94	73	17654	2.149 ppb	92
17] trans-1,2-Dichloroethene	2.92	96	7016	2.154 ppb	94
18) Diisopropyl ether (DIPE)	3.36	45	15726	2.072 ppb	95
19] 1,1-Dichloroethane	3.28	63	10273	2.030 ppb	99
20) Ethyl t-butyl ether (E...	3.65	87	6839	2.086 ppb	91
21) 2,2-Dichloropropane	3.78	77	6746	2.363 ppb	94
22] cis-1,2-Dichloroethene	3.77	96	6911	2.021 ppb	97
23) Chloroform	4.05	83	10214	1.984 ppb	99
24) 2-Butanone (MEK)	3.80	43	13556	10.059 ppb	95
25) t-Amyl methyl ether (T...	4.62	73	16270	2.185 ppb	92
26] 1,2-Dichloroethane (EDC)	4.52	62	8028	2.065 ppb	100
27] 1,1,1-Trichloroethane	4.19	97	10069	2.054 ppb	95
28) 1,1-Dichloropropene	4.33	75	7582	1.986 ppb	94
29) Carbon tetrachloride	4.34	117	8106	2.042 ppb	89
31] Benzene	4.51	78	25069	2.036 ppb	100
32] Trichloroethene	5.06	95	7143	2.008 ppb	86
33) 1,2-Dichloropropane	5.25	63	5158	1.867 ppb	95
34) Bromodichloromethane	5.48	83	7810	2.002 ppb	96
36) Dibromomethane	5.35	93	4095	2.089 ppb #	67
37) 4-Methyl-2-pentanone	6.02	85	5411	10.300 ppb	92
38) cis-1,3-Dichloropropene	5.88	75	9265	2.025 ppb	90
40] Toluene	6.16	92	15600	2.069 ppb	98
41) trans-1,3-Dichloropropene	6.37	75	8107	1.985 ppb	87

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080325.D
Acq On : 03 Aug 2022 10:12 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:26:40 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

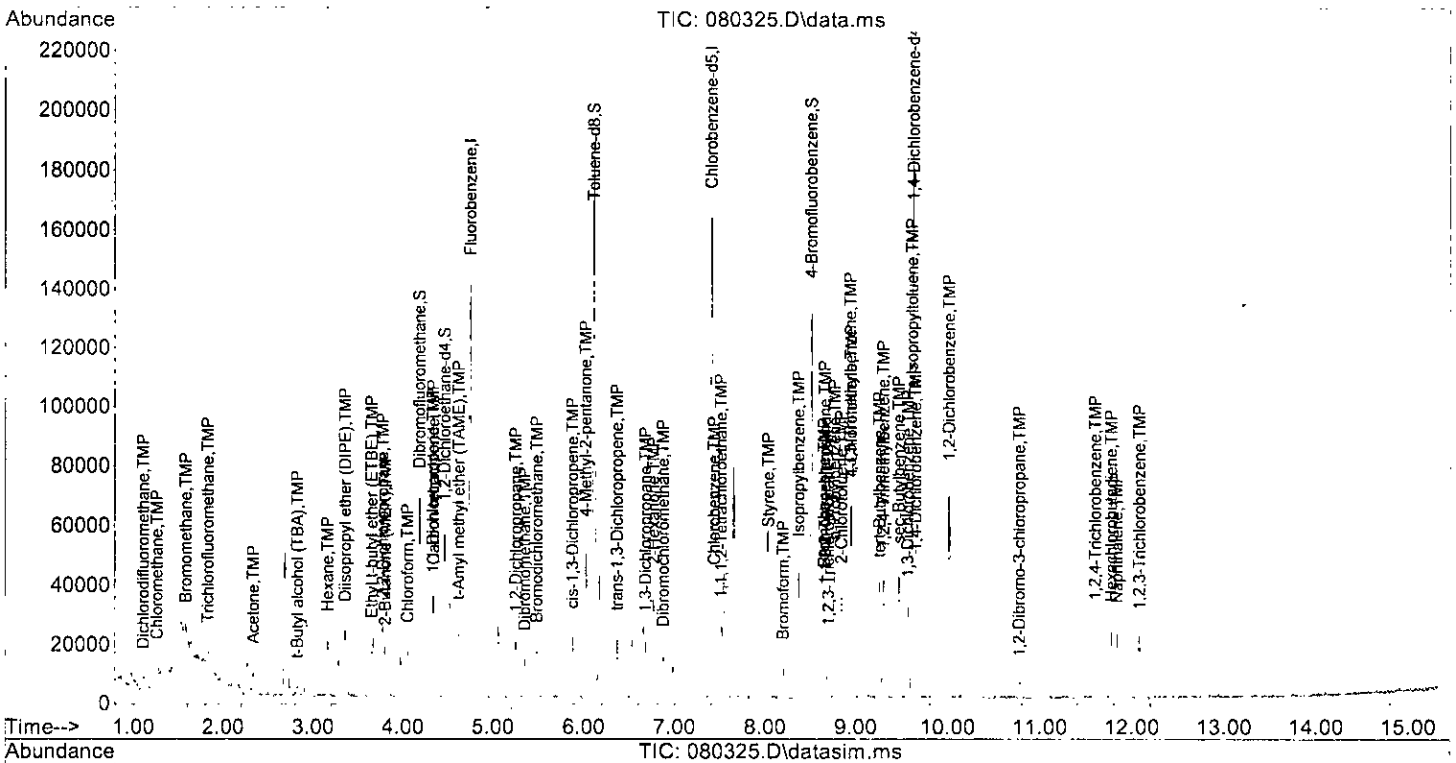
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42]	1,1,2-Trichloroethane	6.53	83	5267	2.039	ppb	#	62
43)	2-Hexanone	6.77	43	20282	10.431	ppb		97
44)	1,3-Dichloropropane	6.68	76	8315	2.081	ppb		95
45]	Tetrachloroethene	6.65	164	5398	2.042	ppb		90
46)	Dibromochloromethane	6.88	129	5791	1.926	ppb		97
47]	1,2-Dibromoethane (EDB)	6.98	107	6224	1.980	ppb		84
48)	Chlorobenzene	7.44	112	14114	1.976	ppb		88
49]	Ethylbenzene	7.54	91	29340	2.042	ppb		89
50)	1,1,1,2-Tetrachloroethane	7.51	131	5027	1.978	ppb		90
51]	m,p-Xylene	7.65	106	21523	4.237	ppb	#	70
52]	o-Xylene	8.02	106	10499	2.052	ppb		83
53)	Styrene	8.04	104	14263	2.007	ppb		92
54)	Isopropylbenzene	8.37	105	23239	2.019	ppb		92
55)	Bromoform	8.20	173	3539	1.851	ppb		85
58)	n-Propylbenzene	8.77	91	28136	1.988	ppb		83
59)	Bromobenzene	8.65	156	5994	2.054	ppb	#	70
60)	1,3,5-Trimethylbenzene	8.94	105	18171	1.958	ppb		93
61)	1,1,2,2-Tetrachloroethane	8.66	83	6921	1.955	ppb		94
62)	1,2,3-Trichloropropane	8.70	75	4961	2.057	ppb		82
63)	2-Chlorotoluene	8.84	91	15700	1.964	ppb		90
64)	4-Chlorotoluene	8.95	91	18938	2.003	ppb		84
65)	tert-Butylbenzene	9.26	119	16438	1.987	ppb		91
66)	1,2,4-Trimethylbenzene	9.30	105	18441	1.889	ppb		99
67)	sec-Butylbenzene	9.47	105	24164	1.955	ppb		89
68)	p-Isopropyltoluene	9.61	119	20092	2.000	ppb		97
69)	1,3-Dichlorobenzene	9.56	146	10741	1.985	ppb		94
70)	1,4-Dichlorobenzene	9.65	146	10723	2.016	ppb		97
71)	1,2-Dichlorobenzene	10.01	146	10374	1.995	ppb		91
72)	1,2-Dibromo-3-chloropr...	10.77	75	1164	2.071	ppb	#	60
73)	1,2,4-Trichlorobenzene	11.60	180	6075	1.902	ppb		86
74)	Hexachlorobutadiene	11.78	225	3587	2.099	ppb		88
75)	Naphthalene	11.84	128	13222	1.828	ppb		96
76)	1,2,3-Trichlorobenzene	12.08	180	5106	1.835	ppb		87

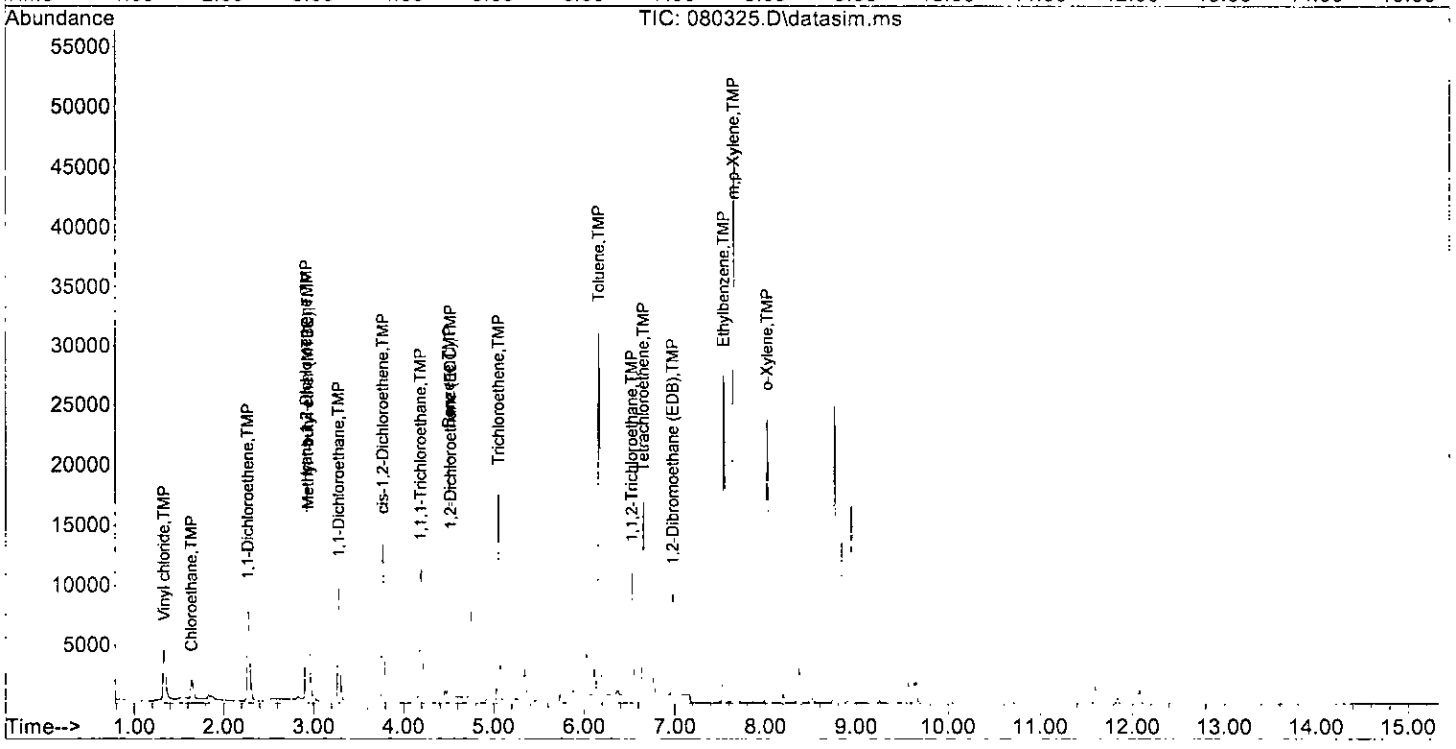
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080325.D
Acq On : 03 Aug 2022 10:12 pm
Operator : JCM
Sample : 2 ppb 8260 ICAL 67-43L
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:26:40 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

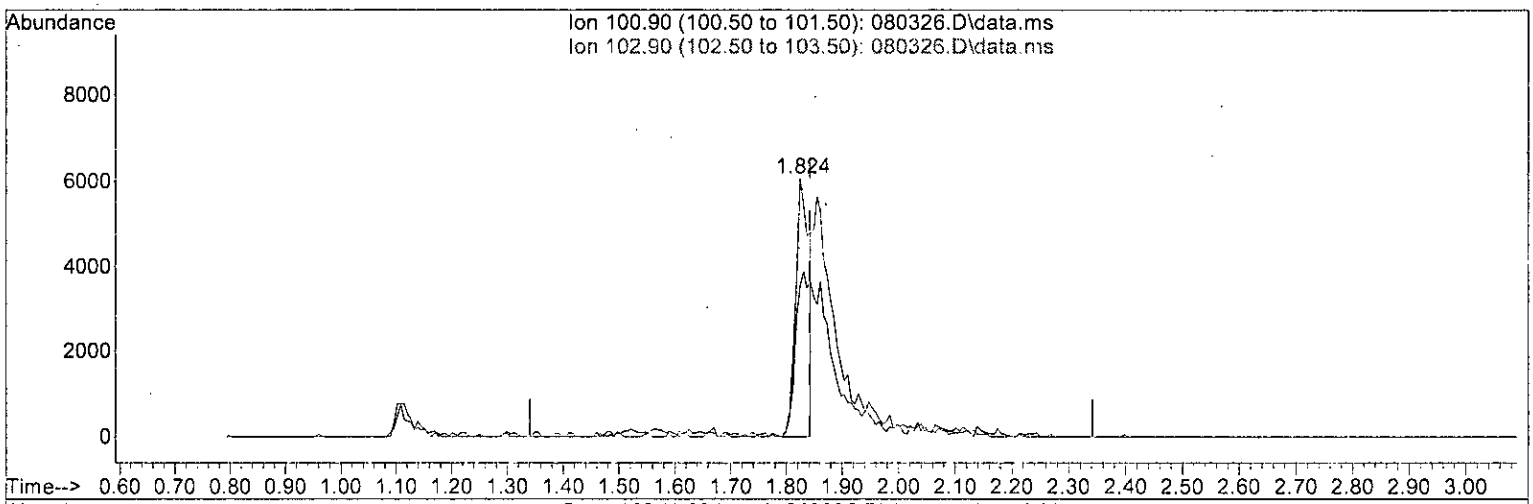


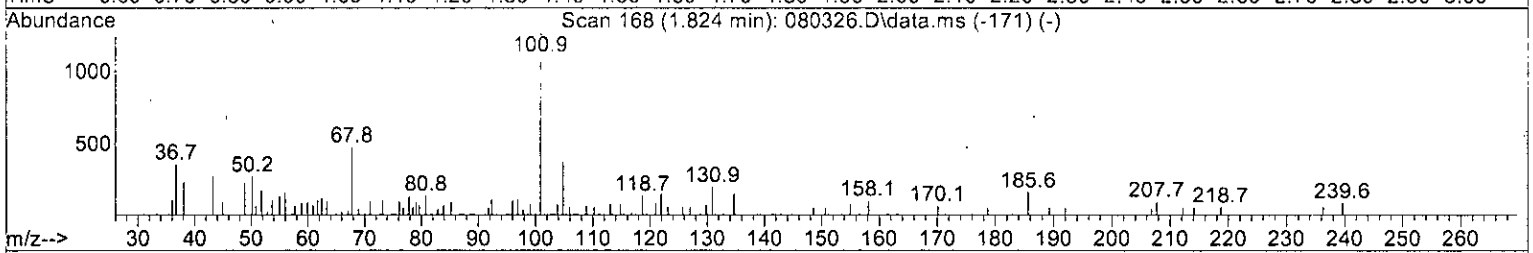


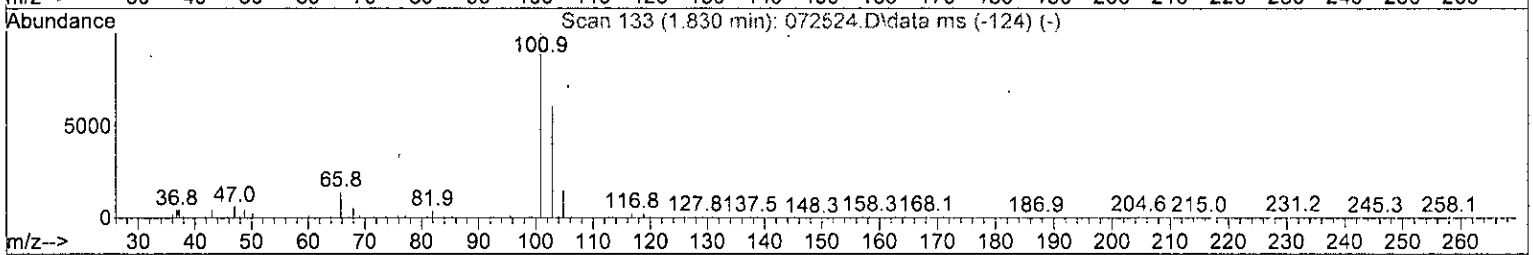
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080326.D
Acq On : 03 Aug 2022 10:35 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:09 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080326.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.824min (-0.018) 1.702 ppb

response 10072

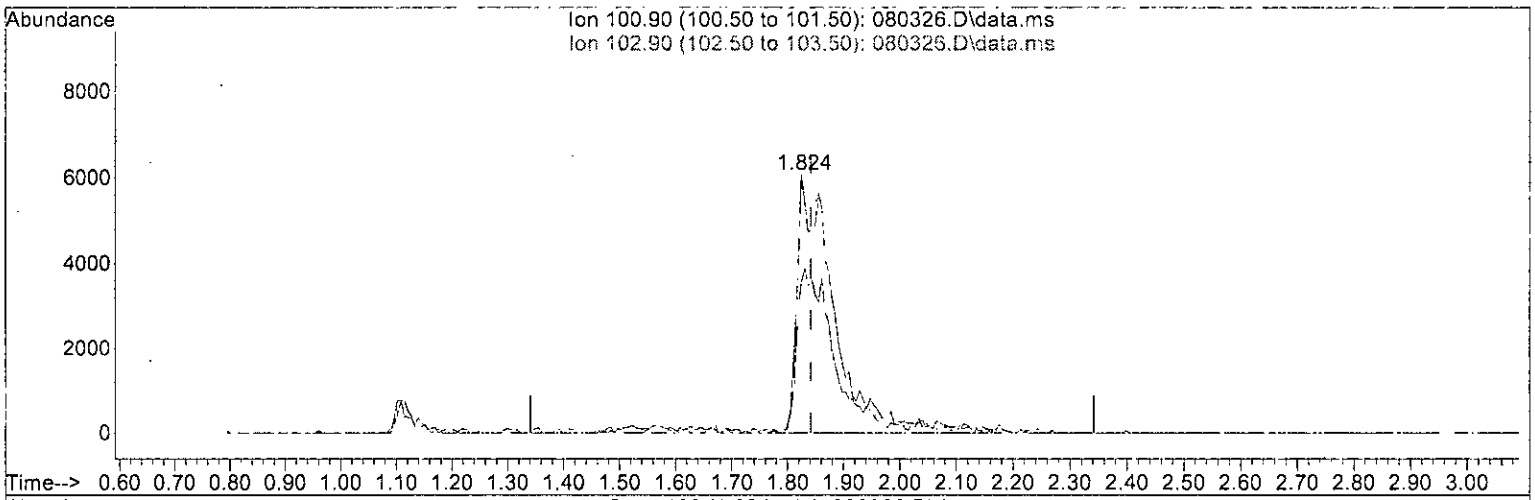
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	56.98
0.00	0.00	0.00
0.00	0.00	0.00

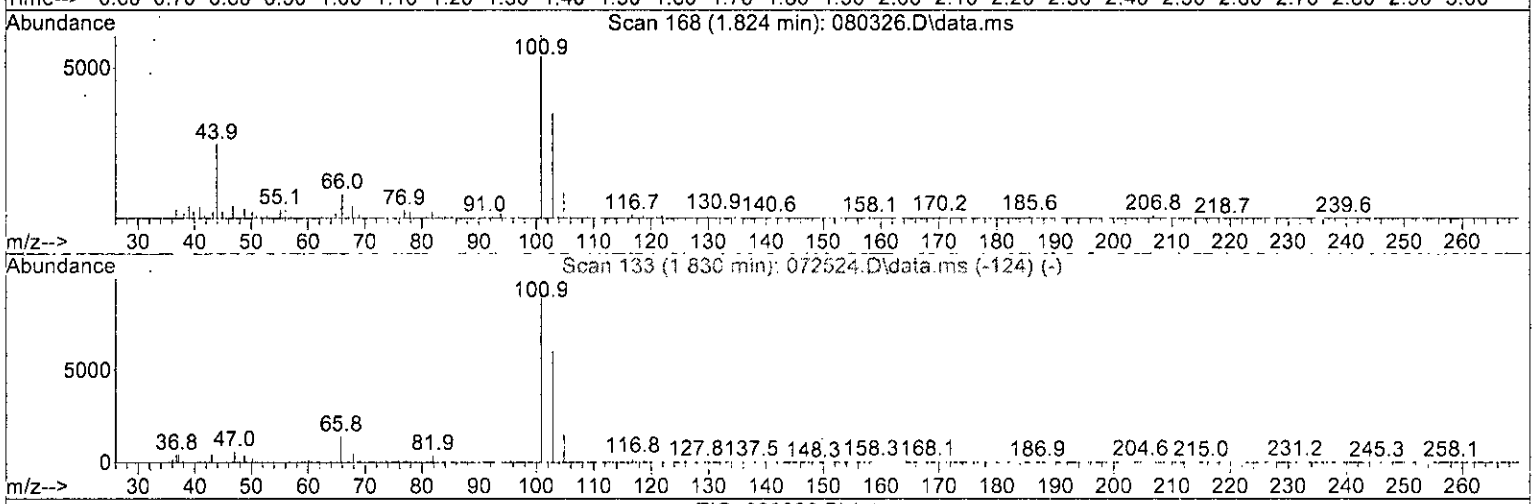
8/5 DM

Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080326.D
Acq On : 03 Aug 2022 10:35 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:09 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080326.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.824min (-0.018) 4.766 ppb m

response 28210

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	58.17
0.00	0.00	0.00
0.00	0.00	0.00

8/5 am

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080326.D
Acq On : 03 Aug 2022 10:35 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:28:14 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	9.700	3.0	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	5.043	-0.9	100	-0.01
5	TMP	Chloromethane	5.000	5.394	-7.9	100	-0.01
6	TMP	Vinyl chloride	5.000	5.174	-3.5	100	-0.01
7	TMP	Bromomethane	5.000	4.812	3.8	100	-0.01
8	TMP	Chloroethane	5.000	4.939	1.2	100	-0.01
9	TMP	Trichlorofluoromethane	5.000	4.766	4.7	100	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	25.000	24.991	0.0	100	-0.01
12	TMP	1,1-Dichloroethene	5.000	5.180	-3.6	100	-0.02
13	TMP	Hexane	5.000	5.047	-0.9	100	0.00
14	TMP	Methylene chloride	5.000	5.040	-0.8	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	25.000	24.699	1.2	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	5.000	5.207	-4.1	100	-0.01
17	TMP	trans-1,2-Dichloroethene	5.000	5.059	-1.2	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	5.000	4.983	0.3	100	0.00
19	TMP	1,1-Dichloroethane	5.000	5.055	-1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	5.030	-0.6	100	0.00
21	TMP	2,2-Dichloropropane	5.000	4.670	6.6	100	0.00
22	TMP	cis-1,2-Dichloroethene	5.000	5.006	-0.1	100	-0.01
23	TMP	Chloroform	5.000	4.854	2.9	100	0.00
24	TMP	2-Butanone (MEK)	25.000	23.542	5.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	5.000	4.955	0.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	5.000	5.042	-0.8	100	0.00
27	TMP	1,1,1-Trichloroethane	5.000	5.029	-0.6	100	0.00
28	TMP	1,1-Dichloropropene	5.000	4.972	0.6	100	0.00
29	TMP	Carbon tetrachloride	5.000	4.990	0.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.584	4.2	100	0.00
31	TMP	Benzene	5.000	4.991	0.2	100	0.00
32	TMP	Trichloroethene	5.000	4.892	2.2	100	0.00
33	TMP	1,2-Dichloropropane	5.000	4.645	7.1	100	0.00
34	TMP	Bromodichloromethane	5.000	4.919	1.6	100	0.00
35	S	Toluene-d8	10.000	9.793	2.1	100	0.00
36	TMP	Dibromomethane	5.000	4.738	5.2	100	0.00
37	TMP	4-Methyl-2-pentanone	25.000	22.961	8.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	5.000	4.757	4.9	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	5.000	5.105	-2.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	5.000	4.727	5.5	100	0.00
42	TMP	1,1,2-Trichloroethane	5.000	5.000	0.0	100	0.00
43	TMP	2-Hexanone	25.000	24.831	0.7	100	0.00
44	TMP	1,3-Dichloropropane	5.000	5.098	-2.0	100	0.00
45	TMP	Tetrachloroethene	5.000	5.063	-1.3	100	0.00
46	TMP	Dibromochloromethane	5.000	4.918	1.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	5.000	4.874	2.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080326.D
Acq On : 03 Aug 2022 10:35 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:28:14 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	5.000	5.098	-2.0	100	0.00
49	TMP	Ethylbenzene	5.000	5.041	-0.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	5.000	4.886	2.3	100	0.00
51	TMP	m,p-Xylene	10.000	10.491	-4.9	100	0.00
52	TMP	o-Xylene	5.000	5.077	-1.5	100	0.00
53	TMP	Styrene	5.000	5.046	-0.9	100	0.00
54	TMP	Isopropylbenzene	5.000	5.022	-0.4	100	0.00
55	TMP	Bromoform	5.000	4.946	1.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.709	2.9	100	0.00
58	TMP	n-Propylbenzene	5.000	5.049	-1.0	100	0.00
59	TMP	Bromobenzene	5.000	4.863	2.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	5.000	5.070	-1.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	5.000	5.041	-0.8	100	0.00
62	TMP	1,2,3-Trichloropropane	5.000	5.059	-1.2	100	0.00
63	TMP	2-Chlorotoluene	5.000	5.148	-3.0	100	0.00
64	TMP	4-Chlorotoluene	5.000	4.979	0.4	100	0.00
65	TMP	tert-Butylbenzene	5.000	4.953	0.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	5.000	4.974	0.5	100	0.00
67	TMP	sec-Butylbenzene	5.000	4.917	1.7	100	0.00
68	TMP	p-Isopropyltoluene	5.000	4.903	1.9	100	0.00
69	TMP	1,3-Dichlorobenzene	5.000	4.763	4.7	100	0.00
70	TMP	1,4-Dichlorobenzene	5.000	4.873	2.5	100	0.00
71	TMP	1,2-Dichlorobenzene	5.000	4.965	0.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	5.000	4.958	0.8	100	0.00
73	TMP	1,2,4-Trichlorobenzene	5.000	4.638	7.2	100	0.00
74	TMP	Hexachlorobutadiene	5.000	4.787	4.3	100	0.00
75	TMP	Naphthalene	5.000	4.556	8.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	5.000	4.508	9.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080326.D
Acq On : 03 Aug 2022 10:35 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:28:14 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.279	0.271	2.9	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.350	-0.9	100	-0.01
5	TMP	Chloromethane	0.324	0.349	-7.7	100	-0.01
6	TMP	Vinyl chloride	0.333	0.344	-3.3	100	-0.01
7	TMP	Bromomethane	0.204	0.196	3.9	100	-0.01
8	TMP	Chloroethane	0.114	0.113	0.9	100	-0.01
9	TMP	Trichlorofluoromethane	0.577	0.550	4.7	100	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.024	0.024	0.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.276	0.286	-3.6	100	-0.02
13	TMP	Hexane	0.347	0.351	-1.2	100	0.00
14	TMP	Methylene chloride	0.363	0.619	-70.5#	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.034	0.034	0.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.862	-4.2	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.328	0.332	-1.2	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.765	0.762	0.4	100	0.00
19	TMP	1,1-Dichloroethane	0.510	0.515	-1.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.332	-0.6	100	0.00
21	TMP	2,2-Dichloropropane	0.288	0.269	6.6	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.345	0.0	100	-0.01
23	TMP	Chloroform	0.519	0.504	2.9	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.128	5.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.743	0.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.392	9.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.497	-0.6	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.372	5.8	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.399	0.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.057	5.0	100	0.00
31	TMP	Benzene	1.240	1.238	0.2	100	0.00
32	TMP	Trichloroethene	0.358	0.351	2.0	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.259	6.8	100	0.00
34	TMP	Bromodichloromethane	0.393	0.387	1.5	100	0.00
35	S	Toluene-d8	1.013	0.992	2.1	100	0.00
36	TMP	Dibromomethane	0.197	0.187	5.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.049	7.5	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.438	5.0	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	1.035	3.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.521	5.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.348	0.0	100	0.00
43	TMP	2-Hexanone	0.262	0.260	0.8	100	0.00
44	TMP	1,3-Dichloropropane	0.539	0.550	-2.0	100	0.00
45	TMP	Tetrachloroethene	0.380	0.360	5.3	100	0.00
46	TMP	Dibromochloromethane	0.406	0.399	1.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.413	2.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080326.D
Acq On : 03 Aug 2022 10:35 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:28:14 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.982	-2.0	100	0.00
49	TMP	Ethylbenzene	1.938	1.954	-0.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.335	2.3	100	0.00
51	TMP	m,p-Xylene	0.711	0.717	-0.8	100	0.00
52	TMP	o-Xylene	0.690	0.701	-1.6	100	0.00
53	TMP	Styrene	0.959	0.968	-0.9	100	0.00
54	TMP	Isopropylbenzene	1.552	1.559	-0.5	100	0.00
55	TMP	Bromoform	0.258	0.255	1.2	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	0.950	3.0	100	0.00
58	TMP	n-Propylbenzene	3.720	3.757	-1.0	100	0.00
59	TMP	Bromobenzene	0.767	0.746	2.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.474	-1.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.938	-0.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.642	-1.3	100	0.00
63	TMP	2-Chlorotoluene	2.102	2.164	-2.9	100	0.00
64	TMP	4-Chlorotoluene	2.486	2.475	0.4	100	0.00
65	TMP	tert-Butylbenzene	2.175	2.154	1.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.553	0.5	100	0.00
67	TMP	sec-Butylbenzene	3.249	3.195	1.7	100	0.00
68	TMP	p-Isopropyltoluene	2.642	2.590	2.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.355	4.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.363	2.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.358	0.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.146	1.4	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.779	7.3	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.430	4.2	100	0.00
75	TMP	Naphthalene	1.902	1.733	8.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.660	9.8	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080326.D
Acq On : 03 Aug 2022 10:35 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:28:14 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	102540	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	75130	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	37750	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	27757	9.700	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	97.00%			
30) 1,2-Dichloroethane-d4	4.46	102	5877	9.584	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery =	95.80%			
35) Toluene-d8	6.11	98	101764	9.793	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery =	97.90%			
57) 4-Bromofluorobenzene	8.52	95	35866	9.709	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery =	97.10%			
Target Compounds							Qvalue
2) Ethanol	2.32	45	765	No Calib			
4) Dichlorodifluoromethane	1.11	85	17922	5.043	ppb		97
5) Chloromethane	1.26	50	17906	5.394	ppb		90
6] Vinyl chloride	1.33	62	17648	5.174	ppb		99
7) Bromomethane	1.58	94	10062	4.812	ppb		85
8] Chloroethane	1.65	64	5788	4.939	ppb		93
9) Trichlorofluoromethane	1.82	101	28210m	4.766	ppb		
10) 2-Propanol	2.32	45	765	No Calib	#		
11) Acetone	2.33	58	6105	24.991	ppb	#	60
12] 1,1-Dichloroethene	2.26	96	14638	5.180	ppb		93
13) Hexane	3.16	57	17985	5.047	ppb		93
14) Methylene chloride	2.68	84	31741	5.040	ppb		96
15) t-Butyl alcohol (TBA)	2.82	59	8646	24.699	ppb		75
16] Methyl t-butyl ether (...	2.93	73	44177	5.207	ppb		93
17] trans-1,2-Dichloroethene	2.92	96	17020	5.059	ppb		91
18) Diisopropyl ether (DIPE)	3.35	45	39067	4.983	ppb		94
19] 1,1-Dichloroethane	3.28	63	26424	5.055	ppb		98
20) Ethyl t-butyl ether (E...	3.66	87	17033	5.030	ppb		92
21) 2,2-Dichloropropane	3.77	77	13772	4.670	ppb		91
22] cis-1,2-Dichloroethene	3.77	96	17686	5.006	ppb		93
23) Chloroform	4.05	83	25815	4.854	ppb		91
24) 2-Butanone (MEK)	3.80	43	32772	23.542	ppb		94
25) t-Amyl methyl ether (T...	4.62	73	38105	4.955	ppb		91
26] 1,2-Dichloroethane (EDC)	4.52	62	20113	5.042	ppb		99
27] 1,1,1-Trichloroethane	4.19	97	25465	5.029	ppb		96
28) 1,1-Dichloropropene	4.34	75	19093	4.972	ppb		88
29) Carbon tetrachloride	4.33	117	20460	4.990	ppb		96
31] Benzene	4.50	78	63471	4.991	ppb		99
32] Trichloroethene	5.05	95	17974	4.892	ppb	#	76
33) 1,2-Dichloropropane	5.25	63	13256	4.645	ppb		90
34) Bromodichloromethane	5.48	83	19824	4.919	ppb		98
36) Dibromomethane	5.35	93	9592	4.738	ppb	#	72
37) 4-Methyl-2-pentanone	6.02	85	12459	22.961	ppb		91
38) cis-1,3-Dichloropropene	5.88	75	22476	4.757	ppb		93
40] Toluene	6.16	92	38886	5.105	ppb		98
41) trans-1,3-Dichloropropene	6.37	75	19560	4.727	ppb		90

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080326.D
Acq On : 03 Aug 2022 10:35 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:28:14 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

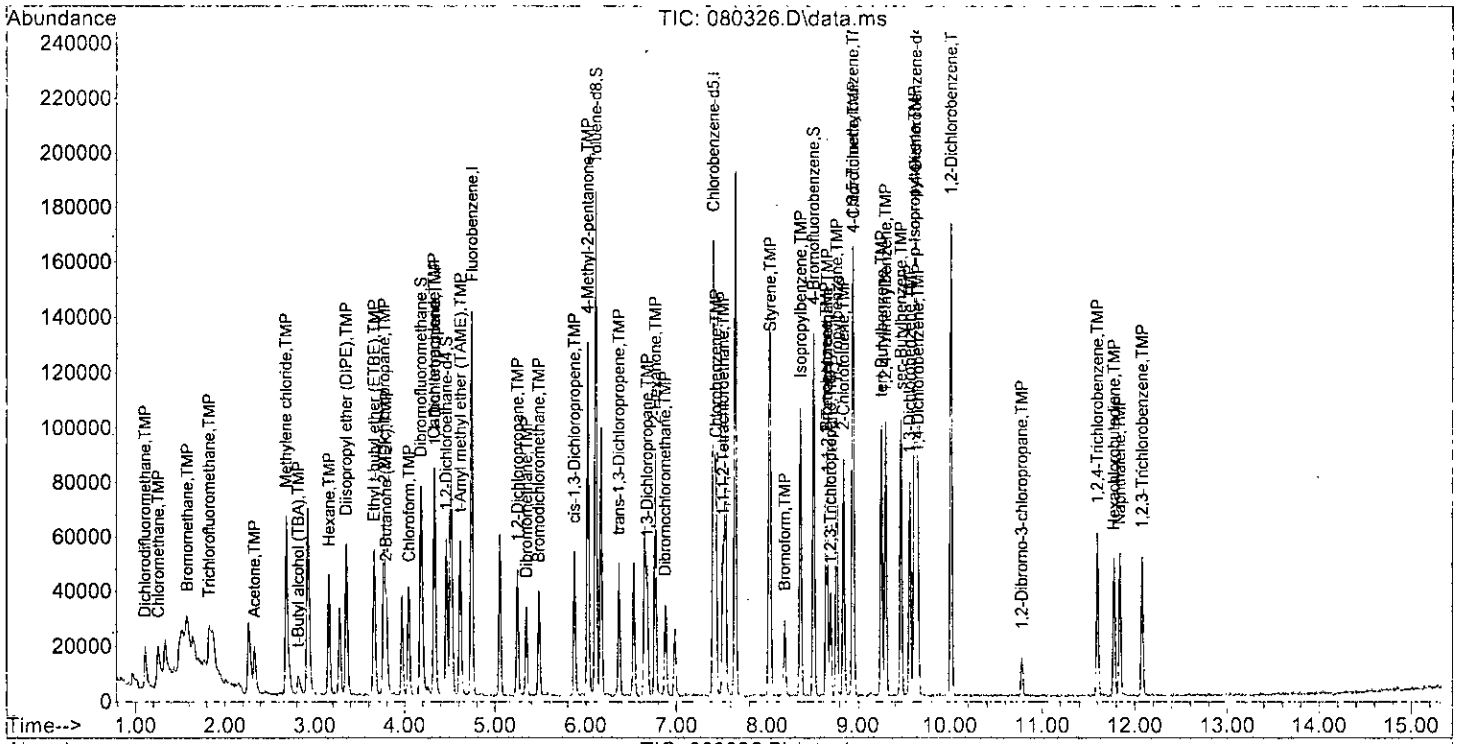
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	13088	5.000	ppb	#	62
43) 2-Hexanone	6.77	43	48927	24.831	ppb		97
44) 1,3-Dichloropropane	6.68	76	20643	5.098	ppb		95
45] Tetrachloroethene	6.65	164	13509	5.063	ppb		90
46) Dibromochloromethane	6.88	129	14985	4.918	ppb		99
47] 1,2-Dibromoethane (EDB)	6.98	107	15529	4.874	ppb		82
48) Chlorobenzene	7.44	112	36904	5.098	ppb		85
49] Ethylbenzene	7.54	91	73388	5.041	ppb		88
50) 1,1,1,2-Tetrachloroethane	7.52	131	12585	4.886	ppb		95
51] m,p-Xylene	7.66	106	53889	10.491	ppb		86
52] o-Xylene	8.03	106	26318	5.077	ppb		98
53) Styrene	8.04	104	36346	5.046	ppb		92
54) Isopropylbenzene	8.37	105	58578	5.022	ppb		92
55) Bromoform	8.20	173	9581	4.946	ppb		93
58) n-Propylbenzene	8.77	91	70905	5.049	ppb		86
59) Bromobenzene	8.65	156	14087	4.863	ppb	#	69
60) 1,3,5-Trimethylbenzene	8.94	105	46704	5.070	ppb		91
61) 1,1,2,2-Tetrachloroethane	8.66	83	17711	5.041	ppb		91
62) 1,2,3-Trichloropropane	8.70	75	12109	5.059	ppb		85
63) 2-Chlorotoluene	8.84	91	40838	5.148	ppb		84
64) 4-Chlorotoluene	8.95	91	46722	4.979	ppb		87
65) tert-Butylbenzene	9.26	119	40663	4.953	ppb		87
66) 1,2,4-Trimethylbenzene	9.30	105	48192	4.974	ppb		92
67) sec-Butylbenzene	9.47	105	60310	4.917	ppb		93
68) p-Isopropyltoluene	9.61	119	48892	4.903	ppb		97
69) 1,3-Dichlorobenzene	9.56	146	25576	4.763	ppb		93
70) 1,4-Dichlorobenzene	9.65	146	25720	4.873	ppb		92
71) 1,2-Dichlorobenzene	10.01	146	25623	4.965	ppb		92
72) 1,2-Dibromo-3-chloropr...	10.78	75	2765	4.958	ppb	#	64
73) 1,2,4-Trichlorobenzene	11.60	180	14701	4.638	ppb		89
74) Hexachlorobutadiene	11.78	225	8119	4.787	ppb		99
75) Naphthalene	11.84	128	32704	4.556	ppb		97
76) 1,2,3-Trichlorobenzene	12.08	180	12450	4.508	ppb		99

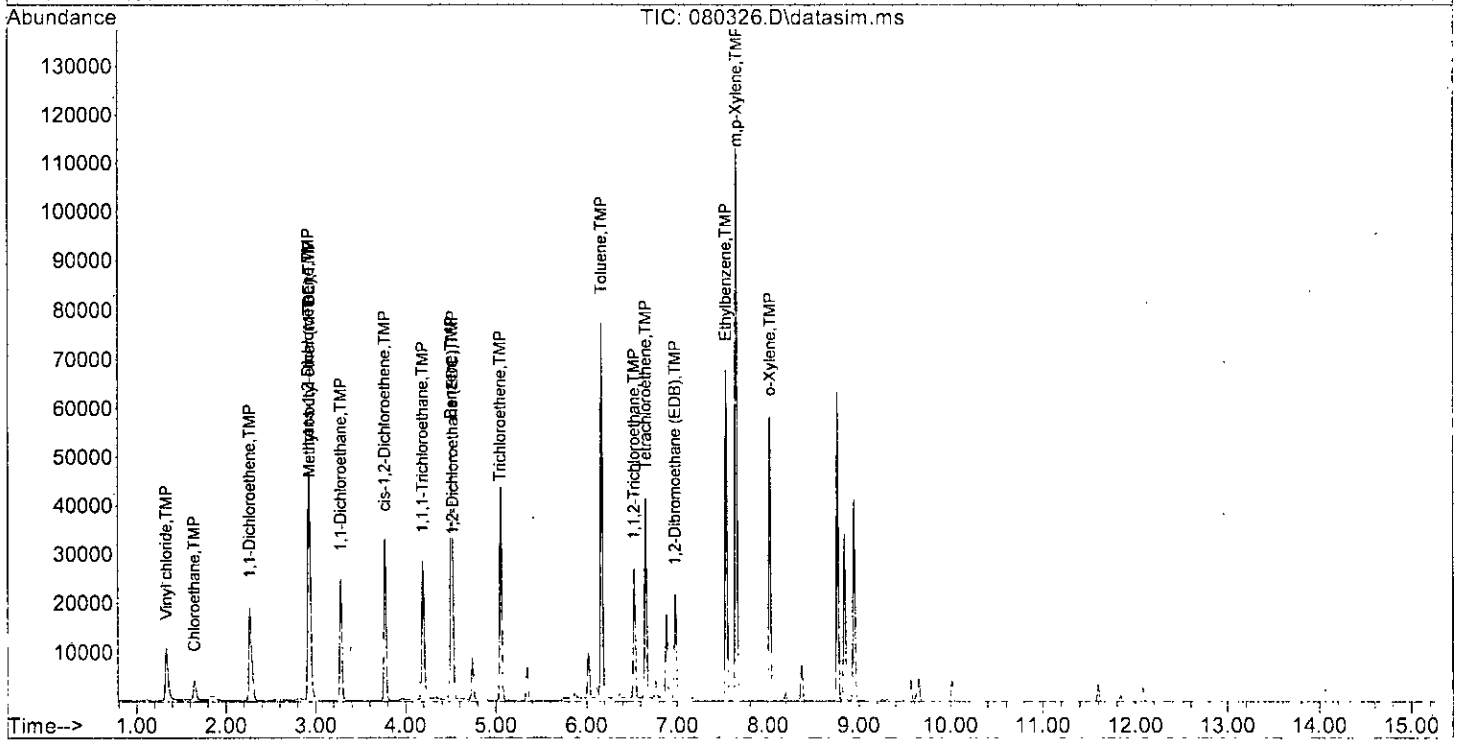
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080326.D
Acq On : 03 Aug 2022 10:35 pm
Operator : JCM
Sample : 5 ppb 8260 ICAL 67-43M
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:28:14 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

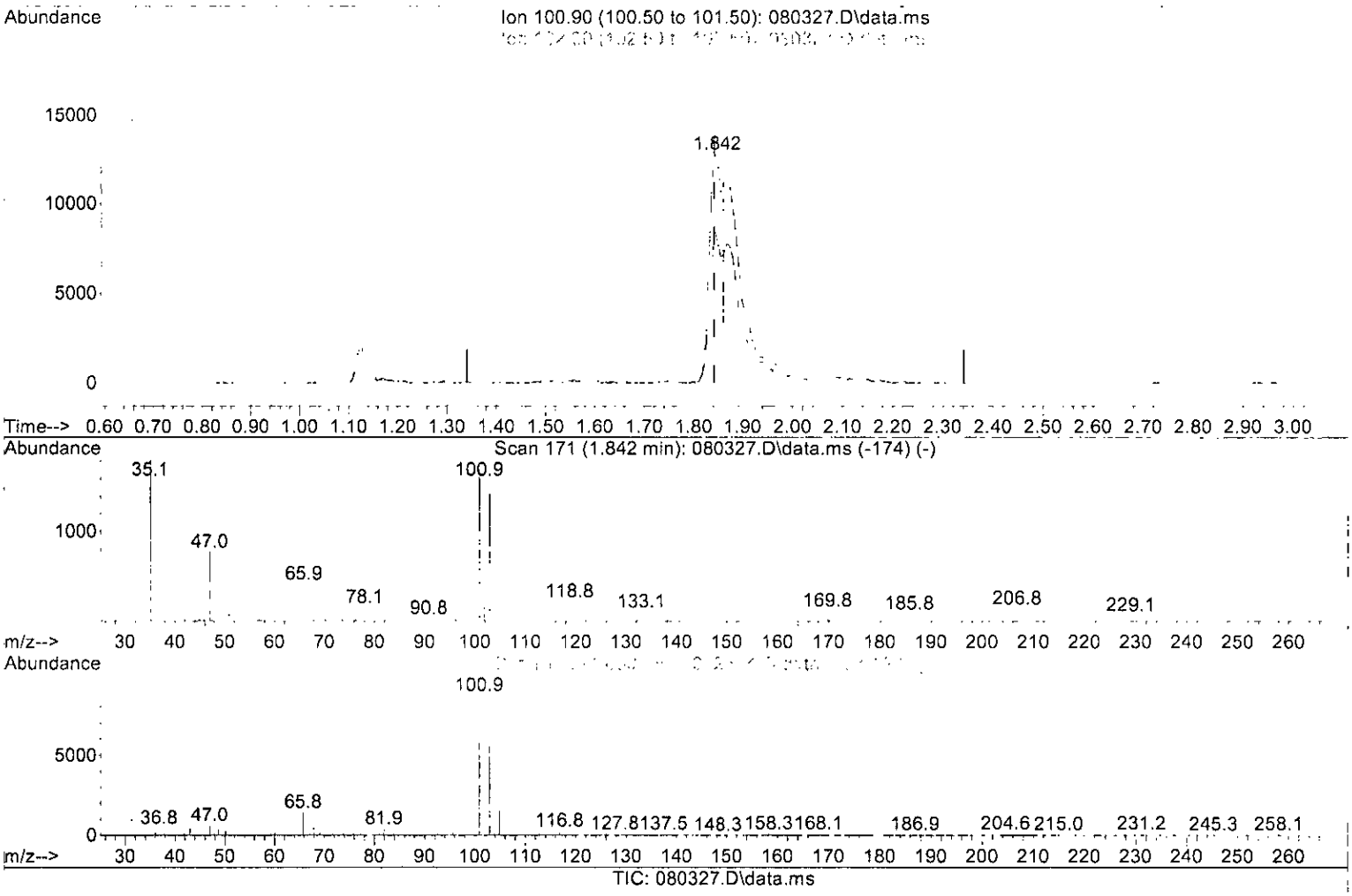




Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080327.D
Acq On : 03 Aug 2022 10:58 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:11 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



(9) Trichlorofluoromethane (TMP)

1.842min (+ 0.000) 4.347 ppb

response 24986

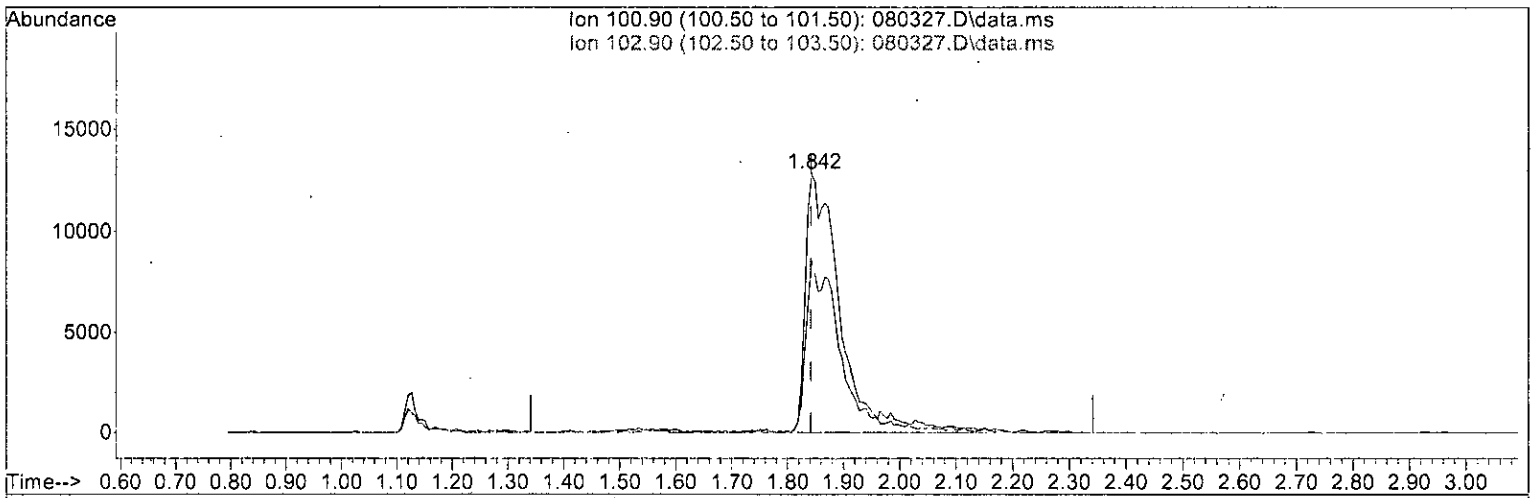
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	66.89
0.00	0.00	0.00
0.00	0.00	0.00

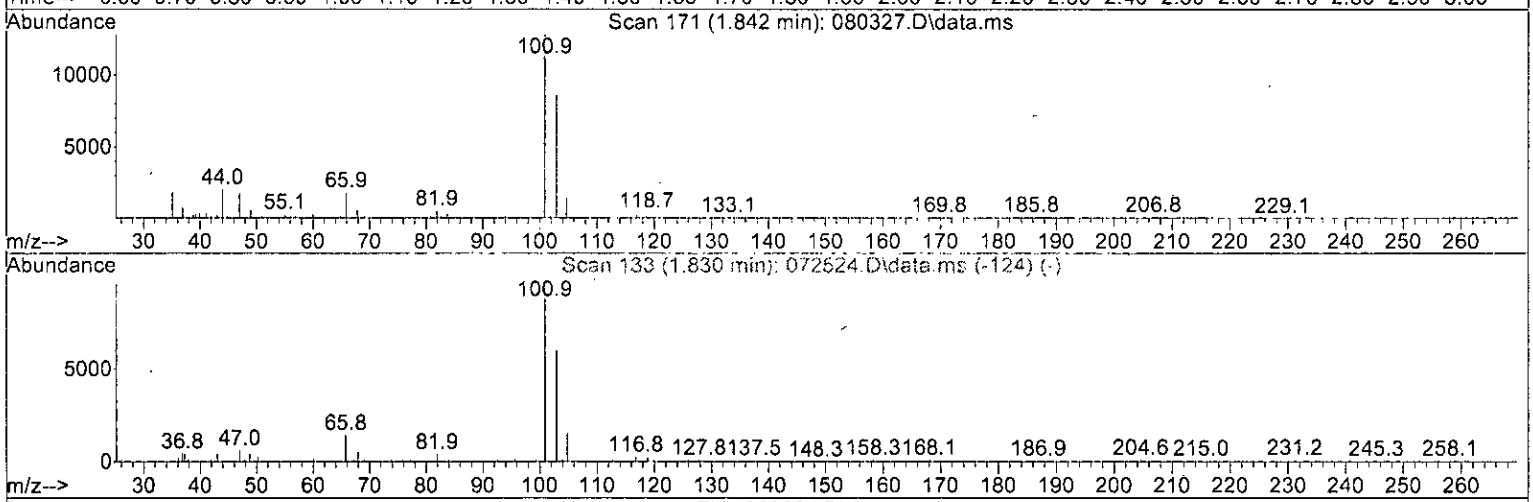
8/5 JCM

Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080327.D
Acq On : 03 Aug 2022 10:58 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:11 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080327.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.842min (+ 0.000) 9.830 ppb m

response 56506

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	66.89
0.00	0.00	0.00
0.00	0.00	0.00

8/5 AM

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080327.D
Acq On : 03 Aug 2022 10:58 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:29:38 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.904	1.0	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	10.248	-2.5	100	0.00
5	TMP	Chloromethane	10.000	9.532	4.7	100	0.00
6	TMP	Vinyl chloride	10.000	10.323	-3.2	100	0.00
7	TMP	Bromomethane	10.000	9.587	4.1	100	0.00
8	TMP	Chloroethane	10.000	10.063	-0.6	100	0.00
9	TMP	Trichlorofluoromethane	10.000	9.830	1.7	97	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	50.000	51.973	-3.9	100	0.00
12	TMP	1,1-Dichloroethene	10.000	10.295	-2.9	100	0.00
13	TMP	Hexane	10.000	9.531	4.7	100	0.00
14	TMP	Methylene chloride	10.000	9.838	1.6	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	48.400	3.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.267	-2.7	100	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	9.926	0.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	9.837	1.6	100	0.00
19	TMP	1,1-Dichloroethane	10.000	10.088	-0.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.097	-1.0	100	0.00
21	TMP	2,2-Dichloropropane	10.000	9.920	0.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	9.993	0.1	100	0.00
23	TMP	Chloroform	10.000	9.419	5.8	100	0.00
24	TMP	2-Butanone (MEK)	50.000	46.621	6.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.063	-0.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.166	-1.7	100	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.055	-0.5	100	0.00
28	TMP	1,1-Dichloropropene	10.000	10.118	-1.2	100	0.00
29	TMP	Carbon tetrachloride	10.000	9.830	1.7	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.939	0.6	100	0.00
31	TMP	Benzene	10.000	9.943	0.6	100	0.00
32	TMP	Trichloroethene	10.000	9.923	0.8	100	0.00
33	TMP	1,2-Dichloropropane	10.000	9.557	4.4	100	0.00
34	TMP	Bromodichloromethane	10.000	9.484	5.2	100	0.00
35	S	Toluene-d8	10.000	10.162	-1.6	100	0.00
36	TMP	Dibromomethane	10.000	9.686	3.1	100	0.00
37	TMP	4-Methyl-2-pentanone	50.000	47.796	4.4	100	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.486	5.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	10.000	10.056	-0.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.812	1.9	100	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.826	1.7	100	0.00
43	TMP	2-Hexanone	50.000	48.305	3.4	100	0.00
44	TMP	1,3-Dichloropropane	10.000	9.779	2.2	100	0.00
45	TMP	Tetrachloroethene	10.000	9.866	1.3	100	0.00
46	TMP	Dibromochloromethane	10.000	9.437	5.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.553	4.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080327.D
Acq On : 03 Aug 2022 10:58 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:29:38 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	10.000	9.742	2.6	100	0.00
49	TMP	Ethylbenzene	10.000	9.876	1.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.766	2.3	100	0.00
51	TMP	m,p-Xylene	20.000	20.453	-2.3	100	0.00
52	TMP	o-Xylene	10.000	9.958	0.4	100	0.00
53	TMP	Styrene	10.000	9.805	2.0	100	0.00
54	TMP	Isopropylbenzene	10.000	9.898	1.0	100	0.00
55	TMP	Bromoform	10.000	9.467	5.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.951	0.5	100	0.00
58	TMP	n-Propylbenzene	10.000	10.204	-2.0	100	0.00
59	TMP	Bromobenzene	10.000	9.508	4.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.269	-2.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.865	1.3	100	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.345	-3.5	100	0.00
63	TMP	2-Chlorotoluene	10.000	10.230	-2.3	100	0.00
64	TMP	4-Chlorotoluene	10.000	9.773	2.3	100	0.00
65	TMP	tert-Butylbenzene	10.000	9.895	1.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.941	0.6	100	0.00
67	TMP	sec-Butylbenzene	10.000	10.007	-0.1	100	0.00
68	TMP	p-Isopropyltoluene	10.000	10.004	-0.0	100	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.047	-0.5	100	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.624	3.8	100	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.718	2.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.502	5.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.650	3.5	100	0.00
74	TMP	Hexachlorobutadiene	10.000	9.655	3.5	100	0.00
75	TMP	Naphthalene	10.000	9.632	3.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.563	4.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080327.D
Acq On : 03 Aug 2022 10:58 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:29:38 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.279	0.276	1.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.355	-2.3	100	0.00
5	TMP	Chloromethane	0.324	0.309	4.6	100	0.00
6	TMP	Vinyl chloride	0.333	0.343	-3.0	100	0.00
7	TMP	Bromomethane	0.204	0.195	4.4	100	0.00
8	TMP	Chloroethane	0.114	0.115	-0.9	100	0.00
9	TMP	Trichlorofluoromethane	0.577	0.567	1.7	97	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.025	-4.2	100	0.00
12	TMP	1,1-Dichloroethene	0.276	0.284	-2.9	100	0.00
13	TMP	Hexane	0.347	0.331	4.6	100	0.00
14	TMP	Methylene chloride	0.363	0.432	-19.0	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.850	-2.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.328	0.326	0.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.765	0.752	1.7	100	0.00
19	TMP	1,1-Dichloroethane	0.510	0.514	-0.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.333	-0.9	100	0.00
21	TMP	2,2-Dichloropropane	0.288	0.285	1.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.344	0.3	100	0.00
23	TMP	Chloroform	0.519	0.489	5.8	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.127	6.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.755	-0.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.395	9.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.497	-0.6	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.375	5.1	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.393	1.8	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.059	1.7	100	0.00
31	TMP	Benzene	1.240	1.233	0.6	100	0.00
32	TMP	Trichloroethene	0.358	0.356	0.6	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.266	4.3	100	0.00
34	TMP	Bromodichloromethane	0.393	0.373	5.1	100	0.00
35	S	Toluene-d8	1.013	1.030	-1.7	100	0.00
36	TMP	Dibromomethane	0.197	0.191	3.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.051	3.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.437	5.2	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	1.019	4.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.540	2.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.342	1.7	100	0.00
43	TMP	2-Hexanone	0.262	0.253	3.4	100	0.00
44	TMP	1,3-Dichloropropane	0.539	0.527	2.2	100	0.00
45	TMP	Tetrachloroethene	0.380	0.350	7.9	100	0.00
46	TMP	Dibromochloromethane	0.406	0.383	5.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.405	4.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080327.D
Acq On : 03 Aug 2022 10:58 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:29:38 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.939	2.5	100	0.00
49	TMP	Ethylbenzene	1.938	1.914	1.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.335	2.3	100	0.00
51	TMP	m,p-Xylene	0.711	0.699	1.7	100	0.00
52	TMP	o-Xylene	0.690	0.687	0.4	100	0.00
53	TMP	Styrene	0.959	0.940	2.0	100	0.00
54	TMP	Isopropylbenzene	1.552	1.537	1.0	100	0.00
55	TMP	Bromoform	0.258	0.244	5.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	0.974	0.5	100	0.00
58	TMP	n-Propylbenzene	3.720	3.796	-2.0	100	0.00
59	TMP	Bromobenzene	0.767	0.730	4.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.506	-2.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.918	1.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.656	-3.5	100	0.00
63	TMP	2-Chlorotoluene	2.102	2.150	-2.3	100	0.00
64	TMP	4-Chlorotoluene	2.486	2.429	2.3	100	0.00
65	TMP	tert-Butylbenzene	2.175	2.152	1.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.552	0.6	100	0.00
67	TMP	sec-Butylbenzene	3.249	3.251	-0.1	100	0.00
68	TMP	p-Isopropyltoluene	2.642	2.643	-0.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.429	-0.5	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.346	3.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.329	2.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.140	5.4	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.810	3.6	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.434	3.3	100	0.00
75	TMP	Naphthalene	1.902	1.832	3.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.700	4.4	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080327.D
Acq On : 03 Aug 2022 10:58 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:29:38 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	99590	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	74609	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	37206	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.19	113	27524	9.904	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.00%				
30) 1,2-Dichloroethane-d4	4.47	102	5919	9.939	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 99.40%				
35) Toluene-d8	6.11	98	102559	10.162	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.60%				
57) 4-Bromofluorobenzene	8.52	95	36232	9.951	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.50%				
Target Compounds							Qvalue
2) Ethanol	2.34	45	711	No Calib			
4) Dichlorodifluoromethane	1.12	85	35373	10.248	ppb		97
5) Chloromethane	1.27	50	30733	9.532	ppb		96
6] Vinyl chloride	1.35	62	34198	10.323	ppb		98
7) Bromomethane	1.60	94	19469	9.587	ppb		92
8] Chloroethane	1.66	64	11453	10.063	ppb		90
9) Trichlorofluoromethane	1.84	101	56506m	9.830	ppb		
10) 2-Propanol	2.34	45	711	No Calib			
11) Acetone	2.34	58	12331	51.973	ppb	#	49
12] 1,1-Dichloroethene	2.28	96	28259	10.295	ppb		98
13) Hexane	3.17	57	32985	9.531	ppb		98
14) Methylene chloride	2.70	84	43040	9.838	ppb		90
15) t-Butyl alcohol (TBA)	2.83	59	16455	48.400	ppb		73
16] Methyl t-butyl ether (...	2.95	73	84607	10.267	ppb		94
17] trans-1,2-Dichloroethene	2.93	96	32431	9.926	ppb		90
18) Diisopropyl ether (DIPE)	3.36	45	74905	9.837	ppb		97
19] 1,1-Dichloroethane	3.29	63	51213	10.088	ppb		99
20) Ethyl t-butyl ether (E...	3.67	87	33205	10.097	ppb		82
21) 2,2-Dichloropropane	3.78	77	28416	9.920	ppb		89
22] cis-1,2-Dichloroethene	3.78	96	34286	9.993	ppb		98
23) Chloroform	4.05	83	48650	9.419	ppb		99
24) 2-Butanone (MEK)	3.80	43	63032	46.621	ppb		97
25) t-Amyl methyl ether (T...	4.62	73	75165	10.063	ppb		89
26] 1,2-Dichloroethane (EDC)	4.53	62	39296	10.166	ppb		97
27] 1,1,1-Trichloroethane	4.20	97	49452	10.055	ppb		99
28) 1,1-Dichloropropene	4.34	75	37388	10.118	ppb		90
29) Carbon tetrachloride	4.34	117	39143	9.830	ppb		93
31] Benzene	4.51	78	122800	9.943	ppb		96
32] Trichloroethene	5.06	95	35407	9.923	ppb	#	80
33) 1,2-Dichloropropane	5.25	63	26489	9.557	ppb		90
34) Bromodichloromethane	5.49	83	37122	9.484	ppb		97
36) Dibromomethane	5.35	93	19047	9.686	ppb	#	71
37) 4-Methyl-2-pentanone	6.02	85	25189	47.796	ppb		91
38) cis-1,3-Dichloropropene	5.88	75	43533	9.486	ppb		93
40] Toluene	6.17	92	75997	10.056	ppb		94
41) trans-1,3-Dichloropropene	6.37	75	40322	9.812	ppb		92

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080327.D
Acq On : 03 Aug 2022 10:58 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

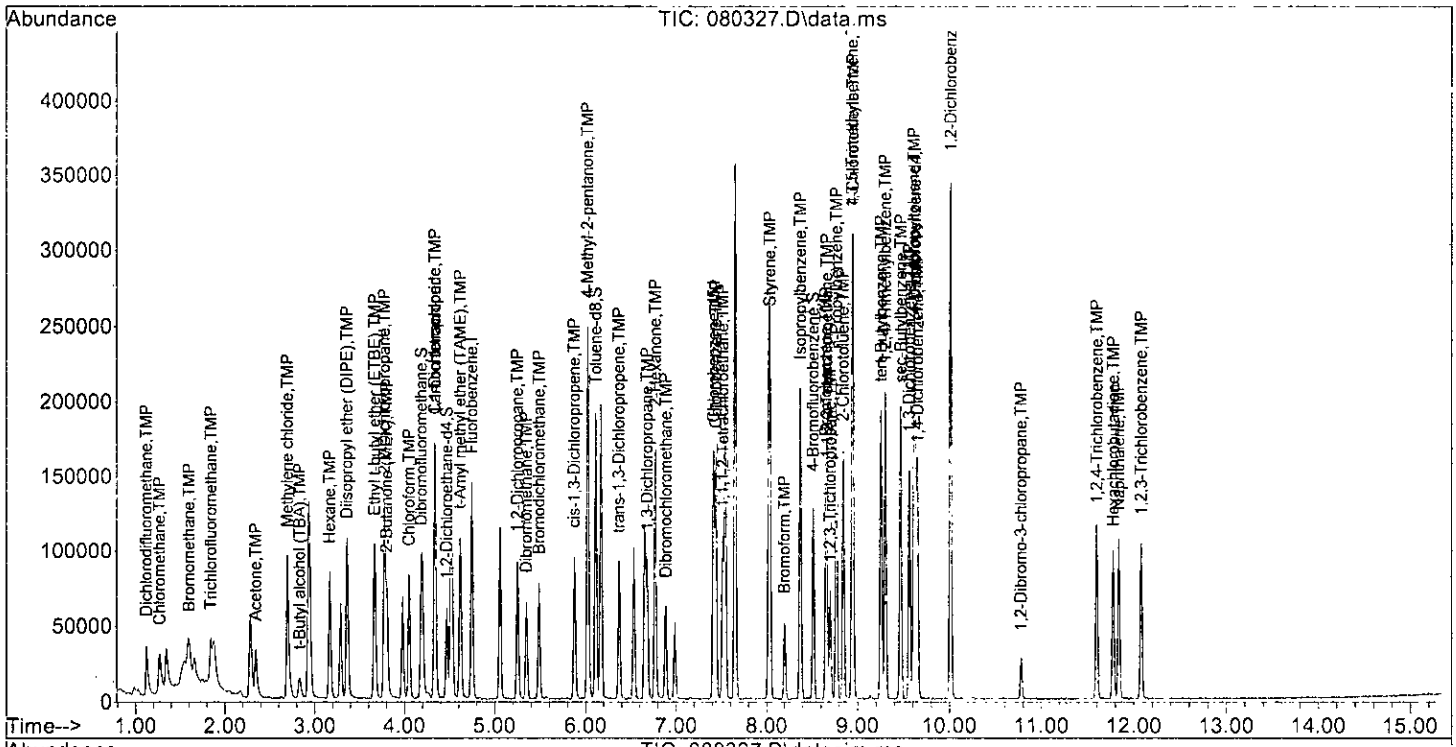
Quant Time: Aug 05 13:29:38 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

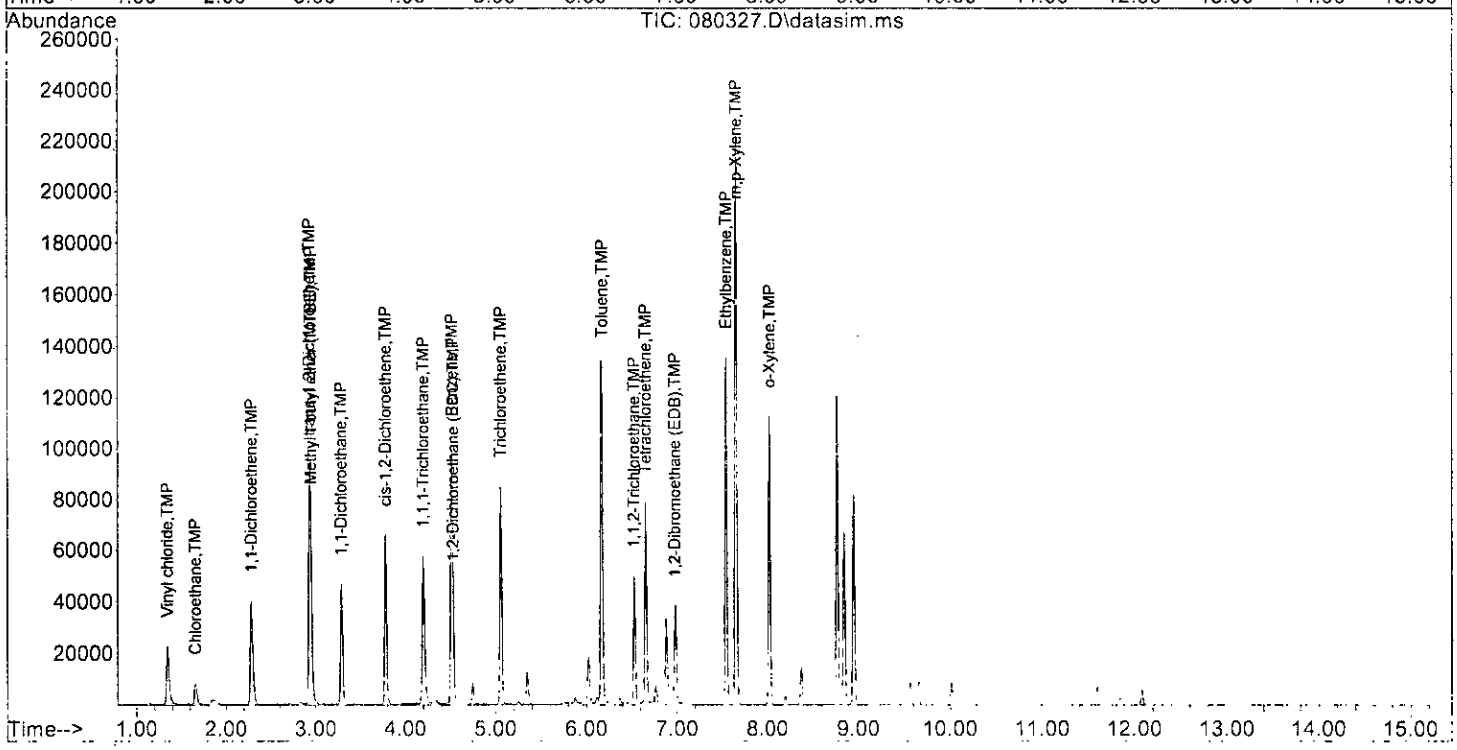
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	25542	9.826	ppb	#	58
43) 2-Hexanone	6.77	43	94519	48.305	ppb		97
44) 1,3-Dichloropropane	6.68	76	39322	9.779	ppb		97
45] Tetrachloroethene	6.65	164	26108	9.866	ppb		89
46) Dibromochloromethane	6.89	129	28553	9.437	ppb		93
47] 1,2-Dibromoethane (EDB)	6.98	107	30225	9.553	ppb		83
48) Chlorobenzene	7.44	112	70029	9.742	ppb		84
49] Ethylbenzene	7.54	91	142781	9.876	ppb		93
50) 1,1,1,2-Tetrachloroethane	7.52	131	24981	9.766	ppb		94
51] m,p-Xylene	7.66	106	104259	20.453	ppb		84
52] o-Xylene	8.03	106	51267	9.958	ppb		98
53) Styrene	8.04	104	70138	9.805	ppb		95
54) Isopropylbenzene	8.37	105	114639	9.898	ppb		92
55) Bromoform	8.20	173	18212	9.467	ppb		90
58) n-Propylbenzene	8.77	91	141230	10.204	ppb		85
59) Bromobenzene	8.65	156	27146	9.508	ppb	#	64
60) 1,3,5-Trimethylbenzene	8.94	105	93233	10.269	ppb		92
61) 1,1,2,2-Tetrachloroethane	8.66	83	34164	9.865	ppb		92
62) 1,2,3-Trichloropropane	8.70	75	24406	10.345	ppb		82
63) 2-Chlorotoluene	8.84	91	79994	10.230	ppb		86
64) 4-Chlorotoluene	8.95	91	90385	9.773	ppb		85
65) tert-Butylbenzene	9.26	119	80069	9.895	ppb		84
66) 1,2,4-Trimethylbenzene	9.30	105	94935	9.941	ppb		92
67) sec-Butylbenzene	9.47	105	120968	10.007	ppb		90
68) p-Isopropyltoluene	9.61	119	98325	10.004	ppb		97
69) 1,3-Dichlorobenzene	9.56	146	53166	10.047	ppb		93
70) 1,4-Dichlorobenzene	9.65	146	50061	9.624	ppb		97
71) 1,2-Dichlorobenzene	10.01	146	49432	9.718	ppb		93
72) 1,2-Dibromo-3-chloropr...	10.78	75	5223	9.502	ppb		78
73) 1,2,4-Trichlorobenzene	11.60	180	30144	9.650	ppb		92
74) Hexachlorobutadiene	11.78	225	16138	9.655	ppb		94
75) Naphthalene	11.84	128	68146	9.632	ppb		95
76) 1,2,3-Trichlorobenzene	12.08	180	26030	9.563	ppb		96

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

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080327.D
Acq On : 03 Aug 2022 10:58 pm
Operator : JCM
Sample : 10 ppb 8260 ICAL 67-43N
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:29:38 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

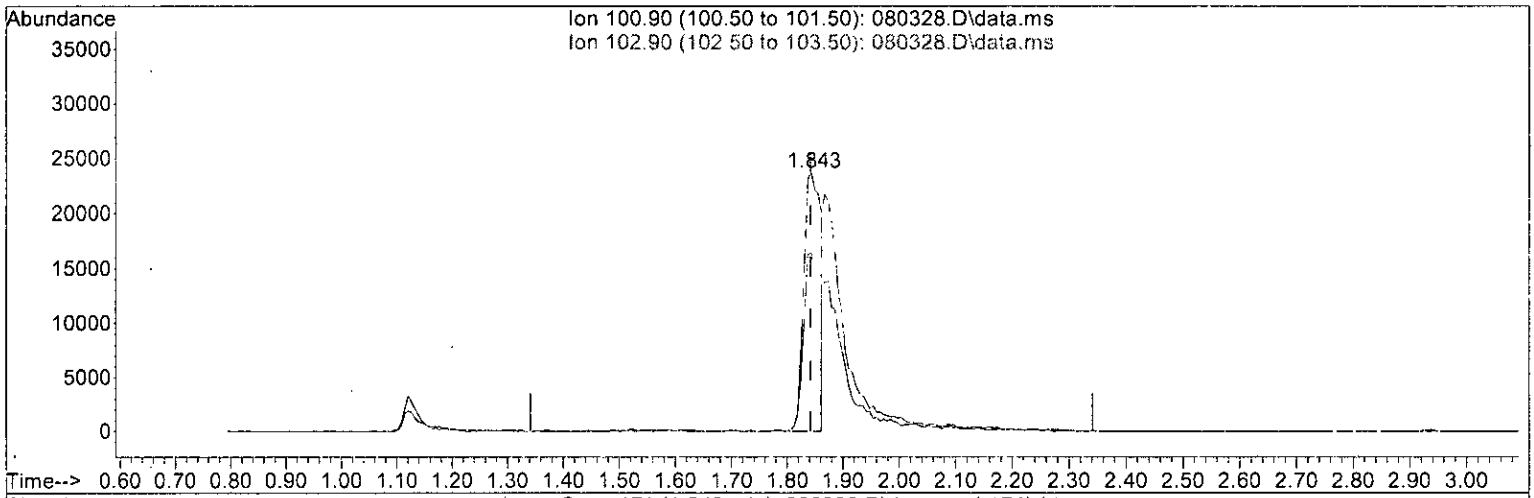


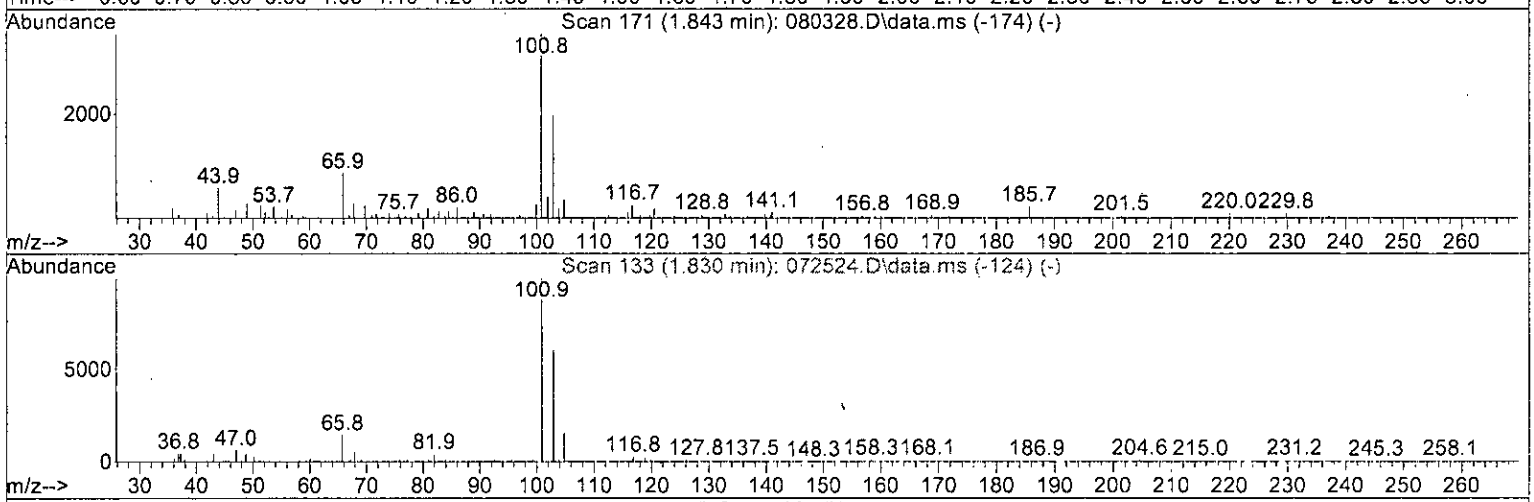


Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080328.D
Acq On : 03 Aug 2022 11:21 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:13 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080328.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.843min (+ 0.001) 8.727 ppb

response 50353

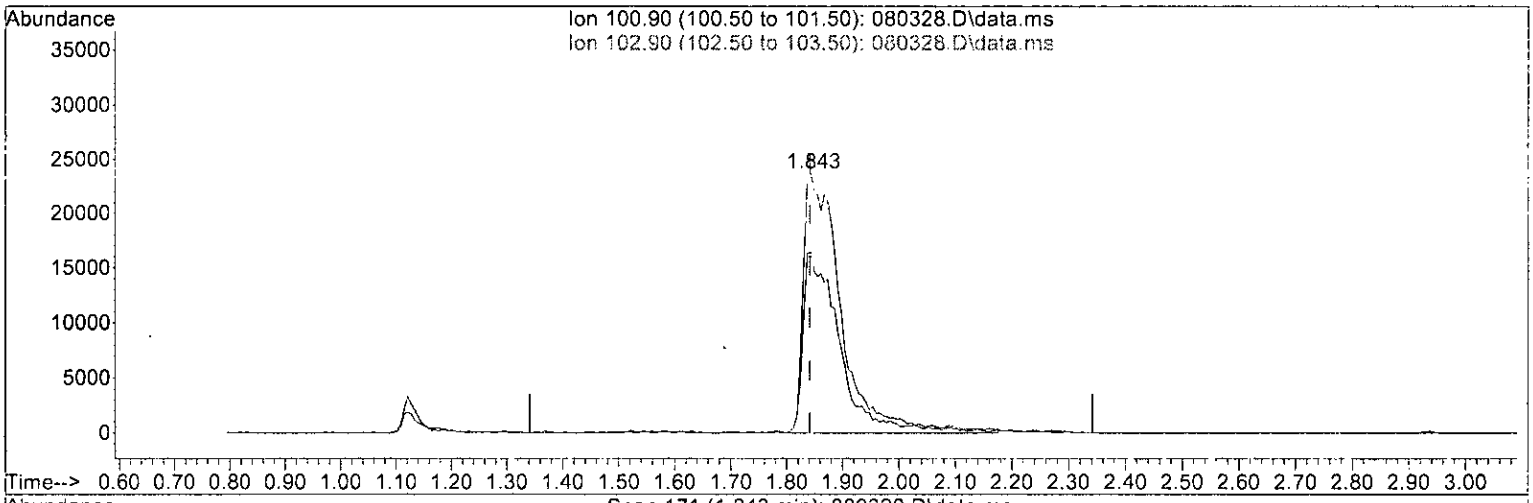
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	69.18
0.00	0.00	0.00
0.00	0.00	0.00

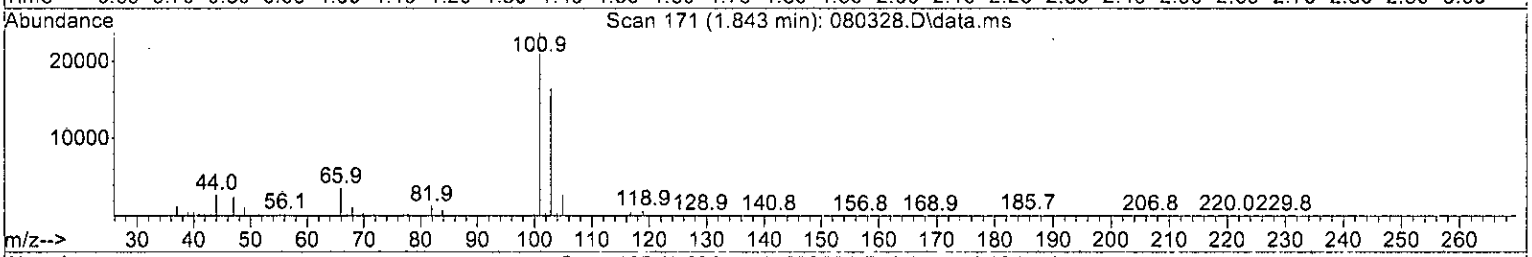
8/5 JCM

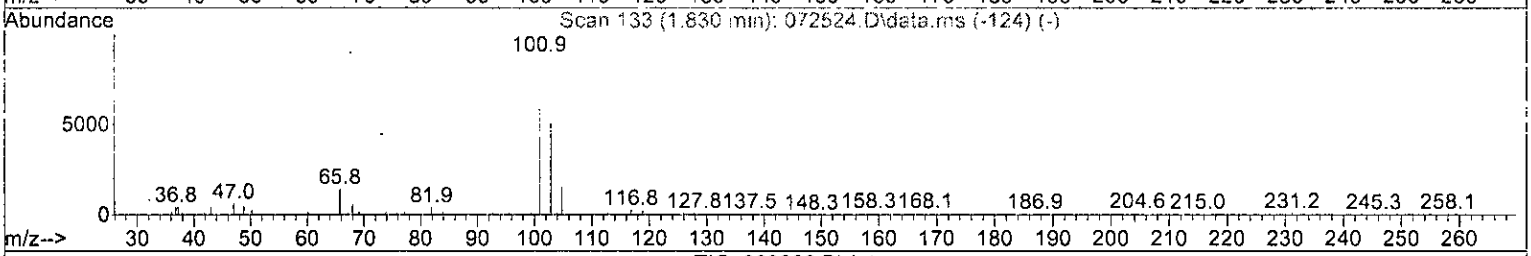
Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080328.D
Acq On : 03 Aug 2022 11:21 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:13 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080328.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.843min (+ 0.001) 19.388 ppb m

response 111860

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	69.18
0.00	0.00	0.00
0.00	0.00	0.00

8/5 AM

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080328.D
Acq On : 03 Aug 2022 11:21 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:30:57 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.396	-4.0	100	0.00
4	TMP	Dichlorodifluoromethane	20.000	20.271	-1.4	100	0.00
5	TMP	Chloromethane	20.000	20.360	-1.8	100	0.00
6	TMP	Vinyl chloride	20.000	21.097	-5.5	100	0.00
7	TMP	Bromomethane	20.000	20.536	-2.7	100	0.00
8	TMP	Chloroethane	20.000	20.505	-2.5	100	0.00
9	TMP	Trichlorofluoromethane	20.000	19.388	3.1	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	100.000	99.049	1.0	100	0.00
12	TMP	1,1-Dichloroethene	20.000	20.557	-2.8	100	0.00
13	TMP	Hexane	20.000	19.071	4.6	100	0.00
14	TMP	Methylene chloride	20.000	20.982	-4.9	100	0.00
15	TMP	t-Butyl alcohol (TBA)	100.000	95.208	4.8	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	20.000	20.493	-2.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	20.000	19.811	0.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	20.000	19.535	2.3	100	0.00
19	TMP	1,1-Dichloroethane	20.000	20.264	-1.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	20.000	19.689	1.6	100	0.00
21	TMP	2,2-Dichloropropane	20.000	19.889	0.6	100	0.00
22	TMP	cis-1,2-Dichloroethene	20.000	20.072	-0.4	100	0.00
23	TMP	Chloroform	20.000	19.778	1.1	100	0.00
24	TMP	2-Butanone (MEK)	100.000	94.404	5.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	20.000	20.057	-0.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	20.000	20.388	-1.9	100	0.00
27	TMP	1,1,1-Trichloroethane	20.000	20.208	-1.0	100	0.00
28	TMP	1,1-Dichloropropene	20.000	20.790	-3.9	100	0.00
29	TMP	Carbon tetrachloride	20.000	19.948	0.3	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.365	-3.7	100	0.00
31	TMP	Benzene	20.000	19.943	0.3	100	0.00
32	TMP	Trichloroethene	20.000	19.765	1.2	100	0.00
33	TMP	1,2-Dichloropropane	20.000	19.282	3.6	100	0.00
34	TMP	Bromodichloromethane	20.000	19.876	0.6	100	0.00
35	S	Toluene-d8	10.000	9.826	1.7	100	0.00
36	TMP	Dibromomethane	20.000	19.830	0.9	100	0.00
37	TMP	4-Methyl-2-pentanone	100.000	94.852	5.1	100	0.00
38	TMP	cis-1,3-Dichloropropene	20.000	19.440	2.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	20.000	21.034	-5.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	20.000	20.336	-1.7	100	0.00
42	TMP	1,1,2-Trichloroethane	20.000	20.431	-2.2	100	0.00
43	TMP	2-Hexanone	100.000	100.704	-0.7	100	0.00
44	TMP	1,3-Dichloropropane	20.000	20.478	-2.4	100	0.00
45	TMP	Tetrachloroethene	20.000	20.624	-3.1	100	0.00
46	TMP	Dibromochloromethane	20.000	20.039	-0.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	20.000	20.231	-1.2	100	0.00

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080328.D
Acq On : 03 Aug 2022 11:21 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-43O
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:30:57 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	20.000	20.498	-2.5	100	0.00
49	TMP	Ethylbenzene	20.000	20.590	-2.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	20.000	20.231	-1.2	100	0.00
51	TMP	m,p-Xylene	40.000	42.264	-5.7	100	0.00
52	TMP	o-Xylene	20.000	20.771	-3.9	100	0.00
53	TMP	Styrene	20.000	21.018	-5.1	100	0.00
54	TMP	Isopropylbenzene	20.000	20.623	-3.1	100	0.00
55	TMP	Bromoform	20.000	20.157	-0.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.861	1.4	100	0.00
58	TMP	n-Propylbenzene	20.000	20.606	-3.0	100	0.00
59	TMP	Bromobenzene	20.000	19.601	2.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	20.000	20.435	-2.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	20.000	19.846	0.8	100	0.00
62	TMP	1,2,3-Trichloropropane	20.000	20.407	-2.0	100	0.00
63	TMP	2-Chlorotoluene	20.000	20.304	-1.5	100	0.00
64	TMP	4-Chlorotoluene	20.000	19.769	1.2	100	0.00
65	TMP	tert-Butylbenzene	20.000	20.064	-0.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	20.000	20.375	-1.9	100	0.00
67	TMP	sec-Butylbenzene	20.000	20.470	-2.3	100	0.00
68	TMP	p-Isopropyltoluene	20.000	20.361	-1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	20.000	20.227	-1.1	100	0.00
70	TMP	1,4-Dichlorobenzene	20.000	19.511	2.4	100	0.00
71	TMP	1,2-Dichlorobenzene	20.000	20.157	-0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	20.000	20.014	-0.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	20.000	19.648	1.8	100	0.00
74	TMP	Hexachlorobutadiene	20.000	19.730	1.3	100	0.00
75	TMP	Naphthalene	20.000	20.318	-1.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	20.000	19.737	1.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080328.D
Acq On : 03 Aug 2022 11:21 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:30:57 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.279	0.290	-3.9	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.351	-1.2	100	0.00
5	TMP	Chloromethane	0.324	0.330	-1.9	100	0.00
6	TMP	Vinyl chloride	0.333	0.351	-5.4	100	0.00
7	TMP	Bromomethane	0.204	0.209	-2.5	100	0.00
8	TMP	Chloroethane	0.114	0.117	-2.6	100	0.00
9	TMP	Trichlorofluoromethane	0.577	0.560	2.9	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.024	0.0	100	0.00
12	TMP	1,1-Dichloroethene	0.276	0.283	-2.5	100	0.00
13	TMP	Hexane	0.347	0.331	4.6	100	0.00
14	TMP	Methylene chloride	0.363	0.359	1.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.033	2.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.848	-2.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.328	0.325	0.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.765	0.747	2.4	100	0.00
19	TMP	1,1-Dichloroethane	0.510	0.517	-1.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.325	1.5	100	0.00
21	TMP	2,2-Dichloropropane	0.288	0.286	0.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.346	-0.3	100	0.00
23	TMP	Chloroform	0.519	0.513	1.2	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.128	5.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.752	-0.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.395	9.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.499	-1.0	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.384	2.8	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.399	0.3	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.062	-3.3	100	0.00
31	TMP	Benzene	1.240	1.237	0.2	100	0.00
32	TMP	Trichloroethene	0.358	0.354	1.1	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.268	3.6	100	0.00
34	TMP	Bromodichloromethane	0.393	0.391	0.5	100	0.00
35	S	Toluene-d8	1.013	0.996	1.7	100	0.00
36	TMP	Dibromomethane	0.197	0.196	0.5	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.050	5.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.448	2.8	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	1.065	0.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.560	-1.6	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.356	-2.3	100	0.00
43	TMP	2-Hexanone	0.262	0.264	-0.8	100	0.00
44	TMP	1,3-Dichloropropane	0.539	0.552	-2.4	100	0.00
45	TMP	Tetrachloroethene	0.380	0.365	3.9	100	0.00
46	TMP	Dibromochloromethane	0.406	0.406	0.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.429	-1.2	100	0.00

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080328.D
Acq On : 03 Aug 2022 11:21 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:30:57 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.987	-2.5	100	0.00
49	TMP	Ethylbenzene	1.938	1.995	-2.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.347	-1.2	100	0.00
51	TMP	m,p-Xylene	0.711	0.722	-1.5	100	0.00
52	TMP	o-Xylene	0.690	0.717	-3.9	100	0.00
53	TMP	Styrene	0.959	1.008	-5.1	100	0.00
54	TMP	Isopropylbenzene	1.552	1.601	-3.2	100	0.00
55	TMP	Bromoform	0.258	0.260	-0.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	0.965	1.4	100	0.00
58	TMP	n-Propylbenzene	3.720	3.833	-3.0	100	0.00
59	TMP	Bromobenzene	0.767	0.752	2.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.493	-2.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.924	0.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.647	-2.1	100	0.00
63	TMP	2-Chlorotoluene	2.102	2.134	-1.5	100	0.00
64	TMP	4-Chlorotoluene	2.486	2.457	1.2	100	0.00
65	TMP	tert-Butylbenzene	2.175	2.182	-0.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.615	-1.9	100	0.00
67	TMP	sec-Butylbenzene	3.249	3.325	-2.3	100	0.00
68	TMP	p-Isopropyltoluene	2.642	2.689	-1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.438	-1.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.364	2.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.378	-0.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.148	0.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.825	1.8	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.443	1.3	100	0.00
75	TMP	Naphthalene	1.902	1.932	-1.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.722	1.4	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080328.D
Acq On : 03 Aug 2022 11:21 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-43O
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:30:57 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	99958	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	72788	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	37598	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	29000	10.396	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.00%				
30) 1,2-Dichloroethane-d4	4.47	102	6196	10.365	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 103.70%				
35) Toluene-d8	6.11	98	99543	9.826	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 98.30%				
57) 4-Bromofluorobenzene	8.52	95	36282	9.861	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 98.60%				
Target Compounds							Qvalue
2) Ethanol	2.34	45	742	No Calib			
4) Dichlorodifluoromethane	1.12	85	70228	20.271	ppb		99
5) Chloromethane	1.27	50	65887	20.360	ppb		93
6] Vinyl chloride	1.35	62	70147	21.097	ppb		99
7) Bromomethane	1.59	94	41856	20.536	ppb		100
8] Chloroethane	1.65	64	23423	20.505	ppb		93
9) Trichlorofluoromethane	1.84	101	111860m	19.388	ppb		
10) 2-Propanol	2.34	45	742	No Calib	#		
11) Acetone	2.34	58	23587	99.049	ppb	#	51
12] 1,1-Dichloroethene	2.28	96	56633	20.557	ppb		93
13) Hexane	3.17	57	66242	19.071	ppb		95
14) Methylene chloride	2.70	84	71853	20.982	ppb		96
15) t-Butyl alcohol (TBA)	2.83	59	32488	95.208	ppb		85
16] Methyl t-butyl ether (...	2.94	73	169494	20.493	ppb		93
17] trans-1,2-Dichloroethene	2.93	96	64971	19.811	ppb		95
18) Diisopropyl ether (DIPE)	3.36	45	149306	19.535	ppb		96
19] 1,1-Dichloroethane	3.29	63	103257	20.264	ppb		99
20) Ethyl t-butyl ether (E...	3.67	87	64991	19.689	ppb	#	82
21) 2,2-Dichloropropane	3.78	77	57181	19.889	ppb		89
22] cis-1,2-Dichloroethene	3.78	96	69124	20.072	ppb		99
23) Chloroform	4.05	83	102531	19.778	ppb		93
24) 2-Butanone (MEK)	3.80	43	128108	94.404	ppb		99
25) t-Amyl methyl ether (T...	4.62	73	150360	20.057	ppb		88
26] 1,2-Dichloroethane (EDC)	4.53	62	79005	20.388	ppb		96
27] 1,1,1-Trichloroethane	4.20	97	99749	20.208	ppb		100
28) 1,1-Dichloropropene	4.34	75	76755	20.790	ppb		89
29) Carbon tetrachloride	4.34	117	79725	19.948	ppb		92
31] Benzene	4.51	78	247217	19.943	ppb		95
32] Trichloroethene	5.06	95	70790	19.765	ppb		82
33) 1,2-Dichloropropane	5.25	63	53642	19.282	ppb		89
34) Bromodichloromethane	5.49	83	78085	19.876	ppb		98
36) Dibromomethane	5.35	93	39138	19.830	ppb	#	69
37) 4-Methyl-2-pentanone	6.02	85	50173	94.852	ppb		91
38) cis-1,3-Dichloropropene	5.88	75	89545	19.440	ppb		92
40] Toluene	6.16	92	154989	21.034	ppb		98
41) trans-1,3-Dichloropropene	6.37	75	81530	20.336	ppb		93

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080328.D
Acq On : 03 Aug 2022 11:21 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

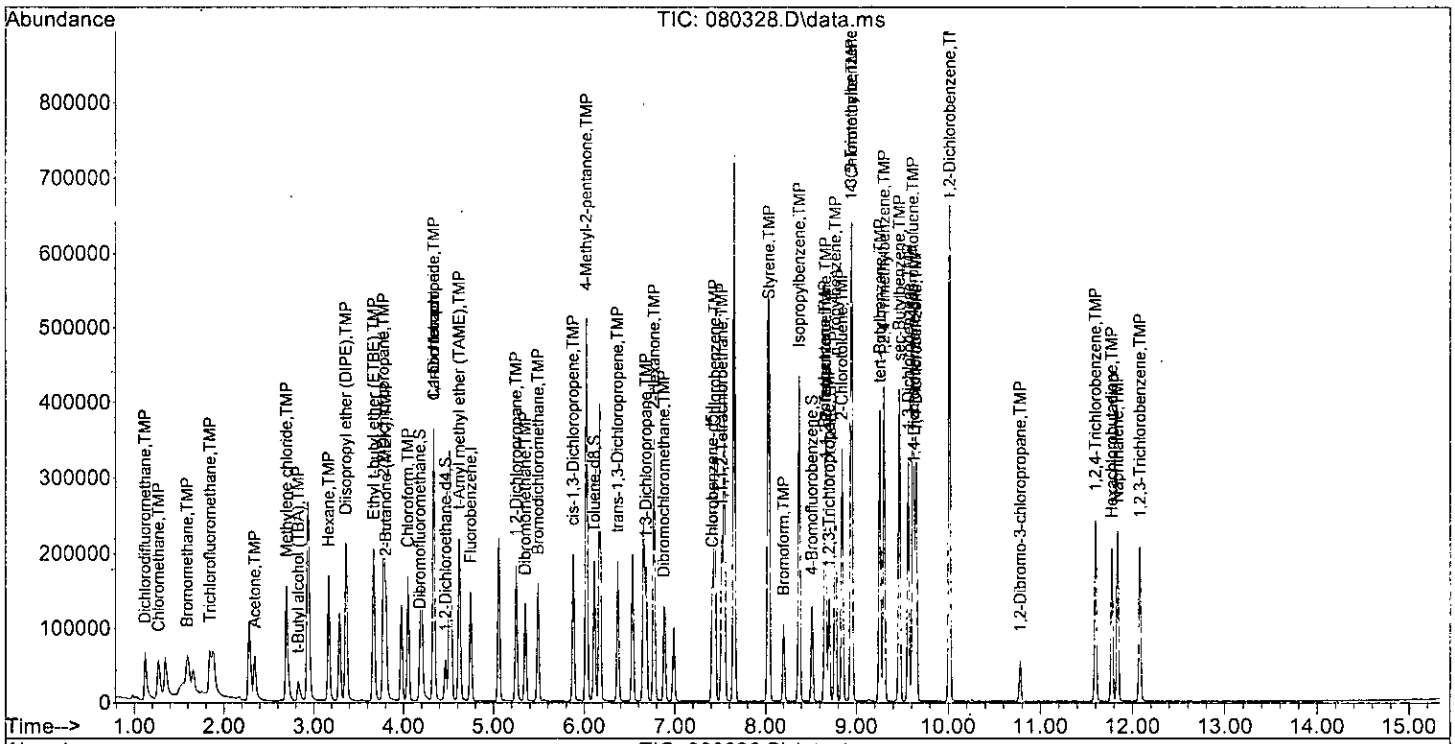
Quant Time: Aug 05 13:30:57 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

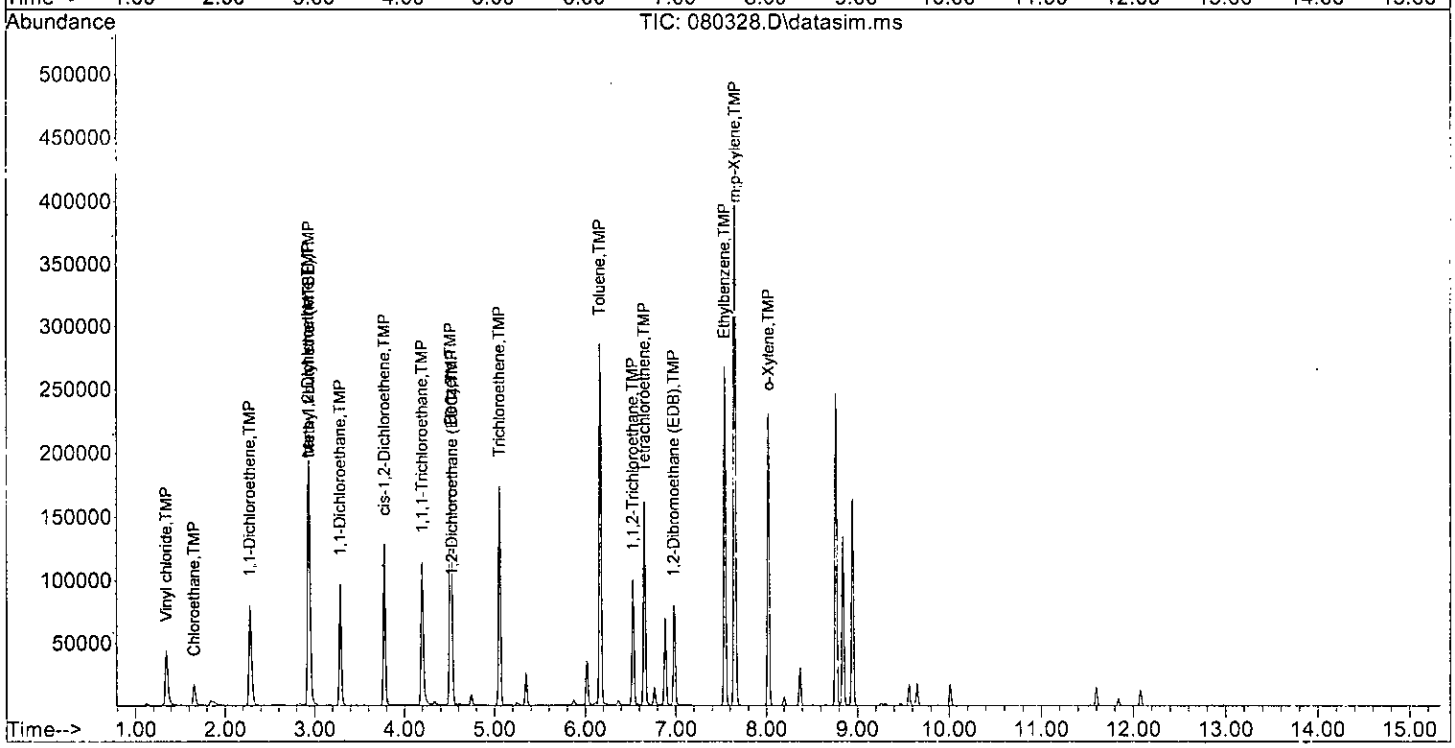
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	51816	20.431	ppb	#	60
43) 2-Hexanone	6.77	43	192239	100.704	ppb		96
44) 1,3-Dichloropropane	6.68	76	80335	20.478	ppb		100
45] Tetrachloroethene	6.65	164	53208	20.624	ppb		89
46) Dibromochloromethane	6.88	129	59154	20.039	ppb		94
47] 1,2-Dibromoethane (EDB)	6.98	107	62447	20.231	ppb		83
48) Chlorobenzene	7.44	112	143751	20.498	ppb		86
49] Ethylbenzene	7.54	91	290422	20.590	ppb		87
50) 1,1,1,2-Tetrachloroethane	7.52	131	50484	20.231	ppb		98
51] m,p-Xylene	7.66	106	210097	42.264	ppb		84
52] o-Xylene	8.03	106	104325	20.771	ppb		99
53) Styrene	8.04	104	146679	21.018	ppb		93
54) Isopropylbenzene	8.37	105	233036	20.623	ppb		94
55) Bromoform	8.20	173	37831	20.157	ppb		94
58) n-Propylbenzene	8.77	91	288208	20.606	ppb		84
59) Bromobenzene	8.65	156	56551	19.601	ppb	#	66
60) 1,3,5-Trimethylbenzene	8.94	105	187488	20.435	ppb		94
61) 1,1,2,2-Tetrachloroethane	8.66	83	69454	19.846	ppb		90
62) 1,2,3-Trichloropropane	8.70	75	48651	20.407	ppb		84
63) 2-Chlorotoluene	8.84	91	160432	20.304	ppb		85
64) 4-Chlorotoluene	8.95	91	184750	19.769	ppb		86
65) tert-Butylbenzene	9.26	119	164066	20.064	ppb		86
66) 1,2,4-Trimethylbenzene	9.30	105	196628	20.375	ppb		94
67) sec-Butylbenzene	9.47	105	250051	20.470	ppb		92
68) p-Isopropyltoluene	9.61	119	202223	20.361	ppb		96
69) 1,3-Dichlorobenzene	9.56	146	108166	20.227	ppb		95
70) 1,4-Dichlorobenzene	9.65	146	102565	19.511	ppb		96
71) 1,2-Dichlorobenzene	10.01	146	103606	20.157	ppb		95
72) 1,2-Dibromo-3-chloropr...	10.78	75	11117	20.014	ppb		81
73) 1,2,4-Trichlorobenzene	11.60	180	62024	19.648	ppb		79
74) Hexachlorobutadiene	11.78	225	33325	19.730	ppb		89
75) Naphthalene	11.84	128	145260	20.318	ppb		98
76) 1,2,3-Trichlorobenzene	12.08	180	54292	19.737	ppb		97

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

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080328.D
Acq On : 03 Aug 2022 11:21 pm
Operator : JCM
Sample : 20 ppb 8260 ICAL 67-430
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:30:57 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080329.D
Acq On : 03 Aug 2022 11:44 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:15 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.340	-3.4	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	47.083	5.8	100	0.00
5	TMP	Chloromethane	50.000	44.120	11.8	100	0.00
6	TMP	Vinyl chloride	50.000	46.599	6.8	100	0.00
7	TMP	Bromomethane	50.000	45.308	9.4	100	0.00
8	TMP	Chloroethane	50.000	45.484	9.0	100	-0.01
9	TMP	Trichlorofluoromethane	50.000	41.768	16.5	97	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	250.000	216.865	13.3	100	0.00
12	TMP	1,1-Dichloroethene	50.000	45.545	8.9	100	0.00
13	TMP	Hexane	50.000	45.181	9.6	100	0.00
14	TMP	Methylene chloride	50.000	46.547	6.9	100	0.00
15	TMP	t-Butyl alcohol (TBA)	250.000	213.799	14.5	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	50.000	44.246	11.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	50.000	43.439	13.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	50.000	42.692	14.6	100	0.00
19	TMP	1,1-Dichloroethane	50.000	44.089	11.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	42.279	15.4	100	0.00
21	TMP	2,2-Dichloropropane	50.000	40.701	18.6	100	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	43.930	12.1	100	0.00
23	TMP	Chloroform	50.000	42.573	14.9	100	0.00
24	TMP	2-Butanone (MEK)	250.000	204.337	18.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	50.000	43.477	13.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	50.000	44.411	11.2	100	0.00
27	TMP	1,1,1-Trichloroethane	50.000	44.398	11.2	100	0.00
28	TMP	1,1-Dichloropropene	50.000	44.715	10.6	100	0.00
29	TMP	Carbon tetrachloride	50.000	43.753	12.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.754	2.5	100	0.00
31	TMP	Benzene	50.000	43.720	12.6	100	0.00
32	TMP	Trichloroethene	50.000	44.227	11.5	100	0.00
33	TMP	1,2-Dichloropropane	50.000	42.149	15.7	100	0.00
34	TMP	Bromodichloromethane	50.000	43.520	13.0	100	0.00
35	S	Toluene-d8	10.000	10.028	-0.3	100	0.00
36	TMP	Dibromomethane	50.000	43.503	13.0	100	0.00
37	TMP	4-Methyl-2-pentanone	250.000	209.844	16.1	100	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	43.275	13.5	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	50.000	44.796	10.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	43.258	13.5	100	0.00
42	TMP	1,1,2-Trichloroethane	50.000	43.443	13.1	100	0.00
43	TMP	2-Hexanone	250.000	211.171	15.5	100	0.00
44	TMP	1,3-Dichloropropane	50.000	43.611	12.8	100	0.00
45	TMP	Tetrachloroethene	50.000	45.349	9.3	100	0.00
46	TMP	Dibromochloromethane	50.000	44.646	10.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	42.989	14.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080329.D
Acq On : 03 Aug 2022 11:44 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:15 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	50.000	44.798	10.4	100	0.00
49	TMP	Ethylbenzene	50.000	43.475	13.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	43.384	13.2	100	0.00
51	TMP	m,p-Xylene	100.000	88.978	11.0	100	0.00
52	TMP	o-Xylene	50.000	43.573	12.9	100	0.00
53	TMP	Styrene	50.000	44.927	10.1	100	0.00
54	TMP	Isopropylbenzene	50.000	44.250	11.5	100	0.00
55	TMP	Bromoform	50.000	44.729	10.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.825	1.8	100	0.00
58	TMP	n-Propylbenzene	50.000	44.755	10.5	100	0.00
59	TMP	Bromobenzene	50.000	44.566	10.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	44.354	11.3	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	42.251	15.5	100	0.00
62	TMP	1,2,3-Trichloropropane	50.000	43.861	12.3	100	0.00
63	TMP	2-Chlorotoluene	50.000	43.694	12.6	100	0.00
64	TMP	4-Chlorotoluene	50.000	43.499	13.0	100	0.00
65	TMP	tert-Butylbenzene	50.000	44.179	11.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	44.639	10.7	100	0.00
67	TMP	sec-Butylbenzene	50.000	45.546	8.9	100	0.00
68	TMP	p-Isopropyltoluene	50.000	46.320	7.4	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	45.169	9.7	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	44.352	11.3	100	0.00
71	TMP	1,2-Dichlorobenzene	50.000	44.697	10.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	43.199	13.6	100	0.00
73	TMP	1,2,4-Trichlorobenzene	50.000	45.308	9.4	100	0.00
74	TMP	Hexachlorobutadiene	50.000	44.645	10.7	100	0.00
75	TMP	Naphthalene	50.000	46.311	7.4	100	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	45.320	9.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080329.D
Acq On : 03 Aug 2022 11:44 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:15 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.279	0.289	-3.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.326	6.1	100	0.00
5	TMP	Chloromethane	0.324	0.286	11.7	100	0.00
6	TMP	Vinyl chloride	0.333	0.310	6.9	100	0.00
7	TMP	Bromomethane	0.204	0.185	9.3	100	0.00
8	TMP	Chloroethane	0.114	0.104	8.8	100	-0.01
9	TMP	Trichlorofluoromethane	0.577	0.482	16.5	97	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.021	12.5	100	0.00
12	TMP	1,1-Dichloroethene	0.276	0.251	9.1	100	0.00
13	TMP	Hexane	0.347	0.314	9.5	100	0.00
14	TMP	Methylene chloride	0.363	0.277	23.7#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.029#	14.7	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.732	11.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.328	0.285	13.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.765	0.653	14.6	100	0.00
19	TMP	1,1-Dichloroethane	0.510	0.450	11.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.279	15.5	100	0.00
21	TMP	2,2-Dichloropropane	0.288	0.234	18.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.303	12.2	100	0.00
23	TMP	Chloroform	0.519	0.442	14.8	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.111	18.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.652	13.1	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.344	20.7#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.438	11.3	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.330	16.5	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.350	12.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.058	3.3	100	0.00
31	TMP	Benzene	1.240	1.084	12.6	100	0.00
32	TMP	Trichloroethene	0.358	0.317	11.5	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.235	15.5	100	0.00
34	TMP	Bromodichloromethane	0.393	0.342	13.0	100	0.00
35	S	Toluene-d8	1.013	1.016	-0.3	100	0.00
36	TMP	Dibromomethane	0.197	0.172	12.7	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.044	17.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.399	13.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	0.907	15.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.477	13.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.303	12.9	100	0.00
43	TMP	2-Hexanone	0.262	0.222	15.3	100	0.00
44	TMP	1,3-Dichloropropane	0.539	0.470	12.8	100	0.00
45	TMP	Tetrachloroethene	0.380	0.321	15.5	100	0.00
46	TMP	Dibromochloromethane	0.406	0.362	10.8	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.365	13.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080329.D
Acq On : 03 Aug 2022 11:44 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:15 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.863	10.4	100	0.00
49	TMP	Ethylbenzene	1.938	1.685	13.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.297	13.4	100	0.00
51	TMP	m,p-Xylene	0.711	0.608	14.5	100	0.00
52	TMP	o-Xylene	0.690	0.601	12.9	100	0.00
53	TMP	Styrene	0.959	0.862	10.1	100	0.00
54	TMP	Isopropylbenzene	1.552	1.374	11.5	100	0.00
55	TMP	Bromoform	0.258	0.231	10.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	0.961	1.8	100	0.00
58	TMP	n-Propylbenzene	3.720	3.330	10.5	100	0.00
59	TMP	Bromobenzene	0.767	0.684	10.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.165	11.3	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.787	15.5	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.556	12.3	100	0.00
63	TMP	2-Chlorotoluene	2.102	1.837	12.6	100	0.00
64	TMP	4-Chlorotoluene	2.486	2.162	13.0	100	0.00
65	TMP	tert-Butylbenzene	2.175	1.922	11.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.292	10.7	100	0.00
67	TMP	sec-Butylbenzene	3.249	2.959	8.9	100	0.00
68	TMP	p-Isopropyltoluene	2.642	2.447	7.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.285	9.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.240	11.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.222	10.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.128	13.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.761	9.4	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.401	10.7	100	0.00
75	TMP	Naphthalene	1.902	1.761	7.4	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.663	9.4	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080329.D
Acq On : 03 Aug 2022 11:44 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:15 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	100308	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	75609	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	38207	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	28944	10.340	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.40%				
30) 1,2-Dichloroethane-d4	4.47	102	5851	9.754	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 97.50%				
35) Toluene-d8	6.11	98	101944	10.028	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 100.30%				
57) 4-Bromofluorobenzene	8.52	95	36734	9.825	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 98.20%				
Target Compounds							Qvalue
2) Ethanol	2.34	45	542	No Calib			
4) Dichlorodifluoromethane	1.11	85	163688	47.083	ppb		96
5) Chloromethane	1.26	50	143277	44.120	ppb		94
6] Vinyl chloride	1.34	62	155486	46.599	ppb		98
7) Bromomethane	1.59	94	92670	45.308	ppb		99
8] Chloroethane	1.65	64	52139	45.484	ppb		95
9) Trichlorofluoromethane	1.84	101	241834	41.768	ppb		82
10) 2-Propanol	2.34	45	542	No Calib			
11) Acetone	2.34	58	51824	216.865	ppb	#	52
12] 1,1-Dichloroethene	2.28	96	125914	45.545	ppb		98
13) Hexane	3.17	57	157483	45.181	ppb		98
14) Methylene chloride	2.69	84	139052	46.547	ppb		91
15) t-Butyl alcohol (TBA)	2.82	59	73211	213.799	ppb		75
16] Methyl t-butyl ether (...	2.94	73	367239	44.246	ppb		95
17] trans-1,2-Dichloroethene	2.93	96	142956	43.439	ppb		91
18) Diisopropyl ether (DIPE)	3.36	45	327430	42.692	ppb		96
19] 1,1-Dichloroethane	3.29	63	225447	44.089	ppb		97
20) Ethyl t-butyl ether (E...	3.67	87	140043	42.279	ppb		85
21) 2,2-Dichloropropane	3.77	77	117426	40.701	ppb		87
22] cis-1,2-Dichloroethene	3.77	96	151816	43.930	ppb		96
23) Chloroform	4.05	83	221479	42.573	ppb		92
24) 2-Butanone (MEK)	3.80	43	278258	204.337	ppb		93
25) t-Amyl methyl ether (T...	4.62	73	327078	43.477	ppb		90
26] 1,2-Dichloroethane (EDC)	4.52	62	172596	44.411	ppb		98
27] 1,1,1-Trichloroethane	4.20	97	219924	44.398	ppb		97
28) 1,1-Dichloropropene	4.34	75	165277	44.715	ppb		89
29) Carbon tetrachloride	4.34	117	175479	43.753	ppb		94
31] Benzene	4.51	78	543866	43.720	ppb		98
32] Trichloroethene	5.06	95	158953	44.227	ppb		84
33) 1,2-Dichloropropane	5.25	63	117665	42.149	ppb		90
34) Bromodichloromethane	5.49	83	171569	43.520	ppb		98
36) Dibromomethane	5.35	93	86161	43.503	ppb	#	71
37) 4-Methyl-2-pentanone	6.02	85	111388	209.844	ppb		93
38) cis-1,3-Dichloropropene	5.88	75	200035	43.275	ppb		93
40] Toluene	6.16	92	342770	44.796	ppb		98
41) trans-1,3-Dichloropropene	6.37	75	180147	43.258	ppb		94

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080329.D
Acq On : 03 Aug 2022 11:44 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

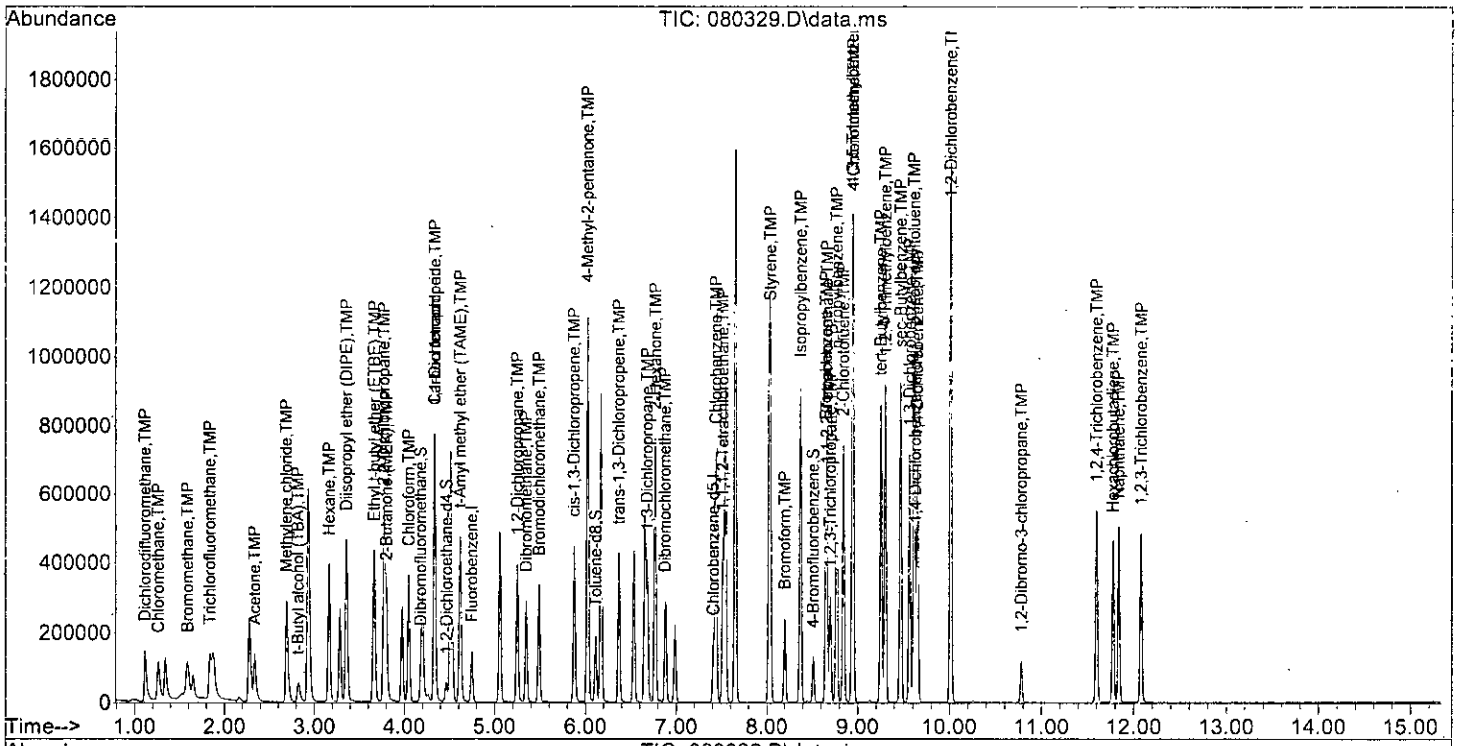
Quant Time: Aug 05 13:01:15 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

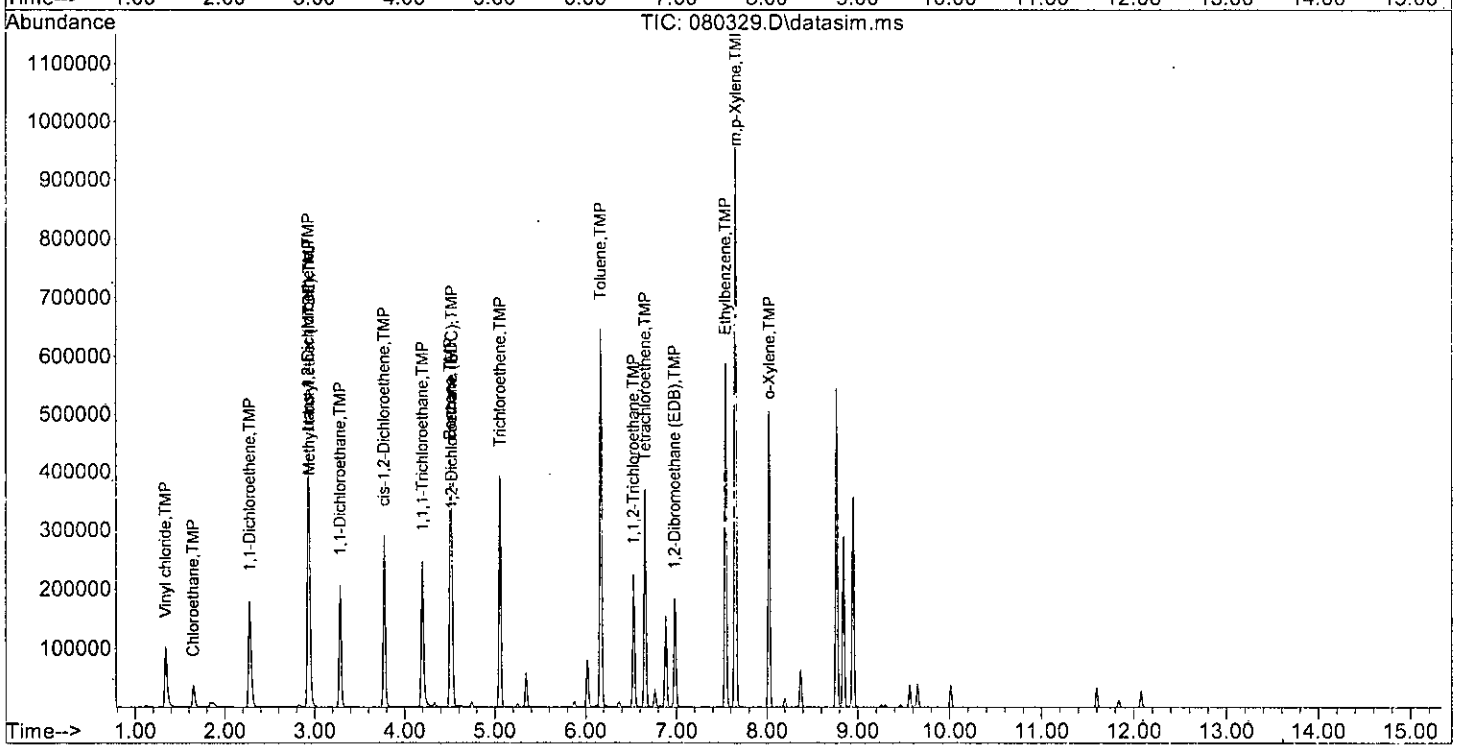
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	114446	43.443	ppb	#	61
43) 2-Hexanone	6.77	43	418738	211.171	ppb		98
44) 1,3-Dichloropropane	6.68	76	177720	43.611	ppb		100
45] Tetrachloroethene	6.65	164	121484	45.349	ppb		90
46) Dibromochloromethane	6.88	129	136897	44.646	ppb		97
47] 1,2-Dibromoethane (EDB)	6.98	107	137836	42.989	ppb		83
48) Chlorobenzene	7.44	112	326341	44.798	ppb		86
49] Ethylbenzene	7.54	91	636990	43.475	ppb		88
50) 1,1,1,2-Tetrachloroethane	7.51	131	112456	43.384	ppb		96
51] m,p-Xylene	7.66	106	459373	88.978	ppb		86
52] o-Xylene	8.03	106	227326	43.573	ppb		100
53) Styrene	8.04	104	325686	44.927	ppb		94
54) Isopropylbenzene	8.37	105	519391	44.250	ppb		93
55) Bromoform	8.20	173	87200	44.729	ppb		93
58) n-Propylbenzene	8.77	91	636118	44.755	ppb		84
59) Bromobenzene	8.65	156	130662	44.566	ppb	#	67
60) 1,3,5-Trimethylbenzene	8.94	105	413542	44.354	ppb		95
61) 1,1,2,2-Tetrachloroethane	8.66	83	150256	42.251	ppb		92
62) 1,2,3-Trichloropropane	8.70	75	106261	43.861	ppb		85
63) 2-Chlorotoluene	8.84	91	350844	43.694	ppb		87
64) 4-Chlorotoluene	8.95	91	413105	43.499	ppb		85
65) tert-Butylbenzene	9.25	119	367098	44.179	ppb		86
66) 1,2,4-Trimethylbenzene	9.30	105	437776	44.639	ppb		95
67) sec-Butylbenzene	9.47	105	565367	45.546	ppb		91
68) p-Isopropyltoluene	9.61	119	467502	46.320	ppb		96
69) 1,3-Dichlorobenzene	9.56	146	245461	45.169	ppb		96
70) 1,4-Dichlorobenzene	9.65	146	236924	44.352	ppb		96
71) 1,2-Dichlorobenzene	10.01	146	233465	44.697	ppb		94
72) 1,2-Dibromo-3-chloropr...	10.78	75	24384	43.199	ppb		81
73) 1,2,4-Trichlorobenzene	11.60	180	145343	45.308	ppb		84
74) Hexachlorobutadiene	11.78	225	76631	44.645	ppb		93
75) Naphthalene	11.84	128	336455	46.311	ppb		98
76) 1,2,3-Trichlorobenzene	12.08	180	126683	45.320	ppb		95

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

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080329.D
Acq On : 03 Aug 2022 11:44 pm
Operator : JCM
Sample : 50 ppb 8260 ICAL 67-43Q
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:15 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080330.D
Acq On : 04 Aug 2022 12:07 am
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:17 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3	S	Dibromofluoromethane	10.000	10.030	-0.3	100	0.00
4	TMP	Dichlorodifluoromethane	100.000	108.254	-8.3	100	0.00
5	TMP	Chloromethane	100.000	99.232	0.8	100	-0.01
6	TMP	Vinyl chloride	100.000	104.472	-4.5	100	-0.01
7	TMP	Bromomethane	100.000	100.576	-0.6	100	-0.01
8	TMP	Chloroethane	100.000	102.573	-2.6	100	-0.02
9	TMP	Trichlorofluoromethane	100.000	92.462	7.5	95	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11	TMP	Acetone	500.000	494.115	1.2	100	-0.01
12	TMP	1,1-Dichloroethene	100.000	99.956	0.0	100	-0.01
13	TMP	Hexane	100.000	93.961	6.0	100	0.00
14	TMP	Methylene chloride	100.000	102.103	-2.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	500.000	496.777	0.6	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	100.000	98.844	1.2	100	-0.01
17	TMP	trans-1,2-Dichloroethene	100.000	94.293	5.7	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	100.000	97.741	2.3	100	0.00
19	TMP	1,1-Dichloroethane	100.000	97.393	2.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	98.011	2.0	100	0.00
21	TMP	2,2-Dichloropropane	100.000	99.697	0.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	100.000	95.941	4.1	100	0.00
23	TMP	Chloroform	100.000	95.720	4.3	100	0.00
24	TMP	2-Butanone (MEK)	500.000	475.518	4.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	100.000	97.452	2.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	100.000	99.198	0.8	100	0.00
27	TMP	1,1,1-Trichloroethane	100.000	100.434	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	100.000	100.391	-0.4	100	0.00
29	TMP	Carbon tetrachloride	100.000	103.142	-3.1	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.666	3.3	100	0.00
31	TMP	Benzene	100.000	96.598	3.4	100	0.00
32	TMP	Trichloroethene	100.000	97.307	2.7	100	0.00
33	TMP	1,2-Dichloropropane	100.000	95.860	4.1	100	0.00
34	TMP	Bromodichloromethane	100.000	100.097	-0.1	100	0.00
35	S	Toluene-d8	10.000	10.574	-5.7	100	0.00
36	TMP	Dibromomethane	100.000	98.583	1.4	100	0.00
37	TMP	4-Methyl-2-pentanone	500.000	498.774	0.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	100.000	99.611	0.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	100.000	96.516	3.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	100.000	98.575	1.4	100	0.00
42	TMP	1,1,2-Trichloroethane	100.000	96.154	3.8	100	0.00
43	TMP	2-Hexanone	500.000	500.684	-0.1	100	0.00
44	TMP	1,3-Dichloropropane	100.000	95.637	4.4	100	0.00
45	TMP	Tetrachloroethene	100.000	97.664	2.3	100	0.00
46	TMP	Dibromochloromethane	100.000	101.567	-1.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	100.000	96.307	3.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080330.D
Acq On : 04 Aug 2022 12:07 am
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:17 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	100.000	97.379	2.6	100	0.00
49	TMP	Ethylbenzene	100.000	92.396	7.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	100.000	98.714	1.3	100	0.00
51	TMP	m,p-Xylene	200.000	187.756	6.1	100	0.00
52	TMP	o-Xylene	100.000	92.556	7.4	100	0.00
53	TMP	Styrene	100.000	97.102	2.9	100	0.00
54	TMP	Isopropylbenzene	100.000	95.120	4.9	100	0.00
55	TMP	Bromoform	100.000	106.678	-6.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.642	3.6	100	0.00
58	TMP	n-Propylbenzene	100.000	92.408	7.6	100	0.00
59	TMP	Bromobenzene	100.000	98.795	1.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	100.000	92.681	7.3	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	100.000	93.430	6.6	100	0.00
62	TMP	1,2,3-Trichloropropane	100.000	97.461	2.5	100	0.00
63	TMP	2-Chlorotoluene	100.000	91.354	8.6	100	0.00
64	TMP	4-Chlorotoluene	100.000	91.069	8.9	100	0.00
65	TMP	tert-Butylbenzene	100.000	92.730	7.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	100.000	94.559	5.4	100	0.00
67	TMP	sec-Butylbenzene	100.000	95.189	4.8	100	0.00
68	TMP	p-Isopropyltoluene	100.000	97.704	2.3	100	0.00
69	TMP	1,3-Dichlorobenzene	100.000	99.330	0.7	100	0.00
70	TMP	1,4-Dichlorobenzene	100.000	97.274	2.7	100	0.00
71	TMP	1,2-Dichlorobenzene	100.000	97.679	2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	100.000	97.526	2.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	100.000	101.688	-1.7	100	0.00
74	TMP	Hexachlorobutadiene	100.000	95.217	4.8	100	0.00
75	TMP	Naphthalene	100.000	108.436	-8.4	100	0.00
76	TMP	1,2,3-Trichlorobenzene	100.000	103.946	-3.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080330.D
Acq On : 04 Aug 2022 12:07 am
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:17 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3	S	Dibromofluoromethane	0.279	0.280	-0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.375	-8.1	100	0.00
5	TMP	Chloromethane	0.324	0.321	0.9	100	-0.01
6	TMP	Vinyl chloride	0.333	0.348	-4.5	100	-0.01
7	TMP	Bromomethane	0.204	0.205	-0.5	100	-0.01
8	TMP	Chloroethane	0.114	0.117	-2.6	100	-0.02
9	TMP	Trichlorofluoromethane	0.577	0.534	7.5	95	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11	TMP	Acetone	0.024	0.024	0.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.276	0.275	0.4	100	-0.01
13	TMP	Hexane	0.347	0.327	5.8	100	0.00
14	TMP	Methylene chloride	0.363	0.288	20.7#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.034	0.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.818	1.1	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.328	0.309	5.8	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.765	0.747	2.4	100	0.00
19	TMP	1,1-Dichloroethane	0.510	0.496	2.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.324	1.8	100	0.00
21	TMP	2,2-Dichloropropane	0.288	0.287	0.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.331	4.1	100	0.00
23	TMP	Chloroform	0.519	0.496	4.4	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.129	5.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.731	2.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.384	11.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.496	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.370	6.3	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.412	-3.0	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.058	3.3	100	0.00
31	TMP	Benzene	1.240	1.198	3.4	100	0.00
32	TMP	Trichloroethene	0.358	0.349	2.5	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.267	4.0	100	0.00
34	TMP	Bromodichloromethane	0.393	0.393	0.0	100	0.00
35	S	Toluene-d8	1.013	1.072	-5.8	100	0.00
36	TMP	Dibromomethane	0.197	0.195	1.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.053	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.459	0.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	0.977	8.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.543	1.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.335	3.7	100	0.00
43	TMP	2-Hexanone	0.262	0.263	-0.4	100	0.00
44	TMP	1,3-Dichloropropane	0.539	0.515	4.5	100	0.00
45	TMP	Tetrachloroethene	0.380	0.346	8.9	100	0.00
46	TMP	Dibromochloromethane	0.406	0.412	-1.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.408	3.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080330.D
Acq On : 04 Aug 2022 12:07 am
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:17 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.938	2.6	100	0.00
49	TMP	Ethylbenzene	1.938	1.790	7.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.338	1.5	100	0.00
51	TMP	m,p-Xylene	0.711	0.641	9.8	100	0.00
52	TMP	o-Xylene	0.690	0.639	7.4	100	0.00
53	TMP	Styrene	0.959	0.931	2.9	100	0.00
54	TMP	Isopropylbenzene	1.552	1.477	4.8	100	0.00
55	TMP	Bromoform	0.258	0.275	-6.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	0.943	3.7	100	0.00
58	TMP	n-Propylbenzene	3.720	3.438	7.6	100	0.00
59	TMP	Bromobenzene	0.767	0.758	1.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.262	7.3	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.870	6.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.618	2.5	100	0.00
63	TMP	2-Chlorotoluene	2.102	1.920	8.7	100	0.00
64	TMP	4-Chlorotoluene	2.486	2.264	8.9	100	0.00
65	TMP	tert-Butylbenzene	2.175	2.017	7.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.427	5.5	100	0.00
67	TMP	sec-Butylbenzene	3.249	3.093	4.8	100	0.00
68	TMP	p-Isopropyltoluene	2.642	2.581	2.3	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.413	0.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.360	2.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.335	2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.144	2.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.854	-1.7	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.428	4.7	100	0.00
75	TMP	Naphthalene	1.902	2.062	-8.4	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.760	-3.8	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080330.D
Acq On : 04 Aug 2022 12:07 am
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:17 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	99438	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	78509	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	40336	10.000	ppb	#	0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	27831	10.030	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.30%				
30) 1,2-Dichloroethane-d4	4.46	102	5748	9.666	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 96.70%				
35) Toluene-d8	6.11	98	106554	10.574	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 105.70%				
57) 4-Bromofluorobenzene	8.52	95	38057	9.642	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 96.40%				
Target Compounds							Qvalue
2) Ethanol	2.33	45	1925	No Calib			
4) Dichlorodifluoromethane	1.11	85	373089	108.254	ppb		96
5) Chloromethane	1.26	50	319455	99.232	ppb		94
6] Vinyl chloride	1.33	62	345567	104.472	ppb		97
7) Bromomethane	1.58	94	203925	100.576	ppb		97
8] Chloroethane	1.64	64	116560	102.573	ppb		94
9) Trichlorofluoromethane	1.83	101	530702	92.462	ppb		87
10) 2-Propanol	2.33	45	1925	No Calib	#		
11) Acetone	2.33	58	117054	494.115	ppb	#	54
12] 1,1-Dichloroethene	2.27	96	273941	99.956	ppb		94
13) Hexane	3.16	57	324673	93.961	ppb		93
14) Methylene chloride	2.69	84	286737	102.103	ppb		95
15) t-Butyl alcohol (TBA)	2.82	59	168635	496.777	ppb		77
16] Methyl t-butyl ether (...	2.93	73	813278	98.844	ppb		94
17] trans-1,2-Dichloroethene	2.92	96	307623	94.293	ppb		96
18) Diisopropyl ether (DIPE)	3.35	45	743136	97.741	ppb		96
19] 1,1-Dichloroethane	3.28	63	493690	97.393	ppb		99
20) Ethyl t-butyl ether (E...	3.66	87	321834	98.011	ppb		86
21) 2,2-Dichloropropane	3.77	77	285140	99.697	ppb		88
22] cis-1,2-Dichloroethene	3.77	96	328683	95.941	ppb		97
23) Chloroform	4.05	83	493647	95.720	ppb		94
24) 2-Butanone (MEK)	3.80	43	641927	475.518	ppb		97
25) t-Amyl methyl ether (T...	4.62	73	726769	97.452	ppb		91
26] 1,2-Dichloroethane (EDC)	4.52	62	382065	99.198	ppb		99
27] 1,1,1-Trichloroethane	4.20	97	493176	100.434	ppb		95
28) 1,1-Dichloropropene	4.34	75	367439	100.391	ppb		90
29) Carbon tetrachloride	4.34	117	410083	103.142	ppb		94
31] Benzene	4.50	78	1191232	96.598	ppb		99
32] Trichloroethene	5.06	95	346696	97.307	ppb		87
33) 1,2-Dichloropropane	5.25	63	265288	95.860	ppb		90
34) Bromodichloromethane	5.49	83	391195	100.097	ppb		99
36) Dibromomethane	5.35	93	193557	98.583	ppb	#	74
37) 4-Methyl-2-pentanone	6.02	85	262460	498.774	ppb		94
38) cis-1,3-Dichloropropene	5.88	75	456451	99.611	ppb		94
40] Toluene	6.16	92	766745	96.516	ppb		99
41) trans-1,3-Dichloropropene	6.37	75	426256	98.575	ppb		91

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080330.D
Acq On : 04 Aug 2022 12:07 am
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

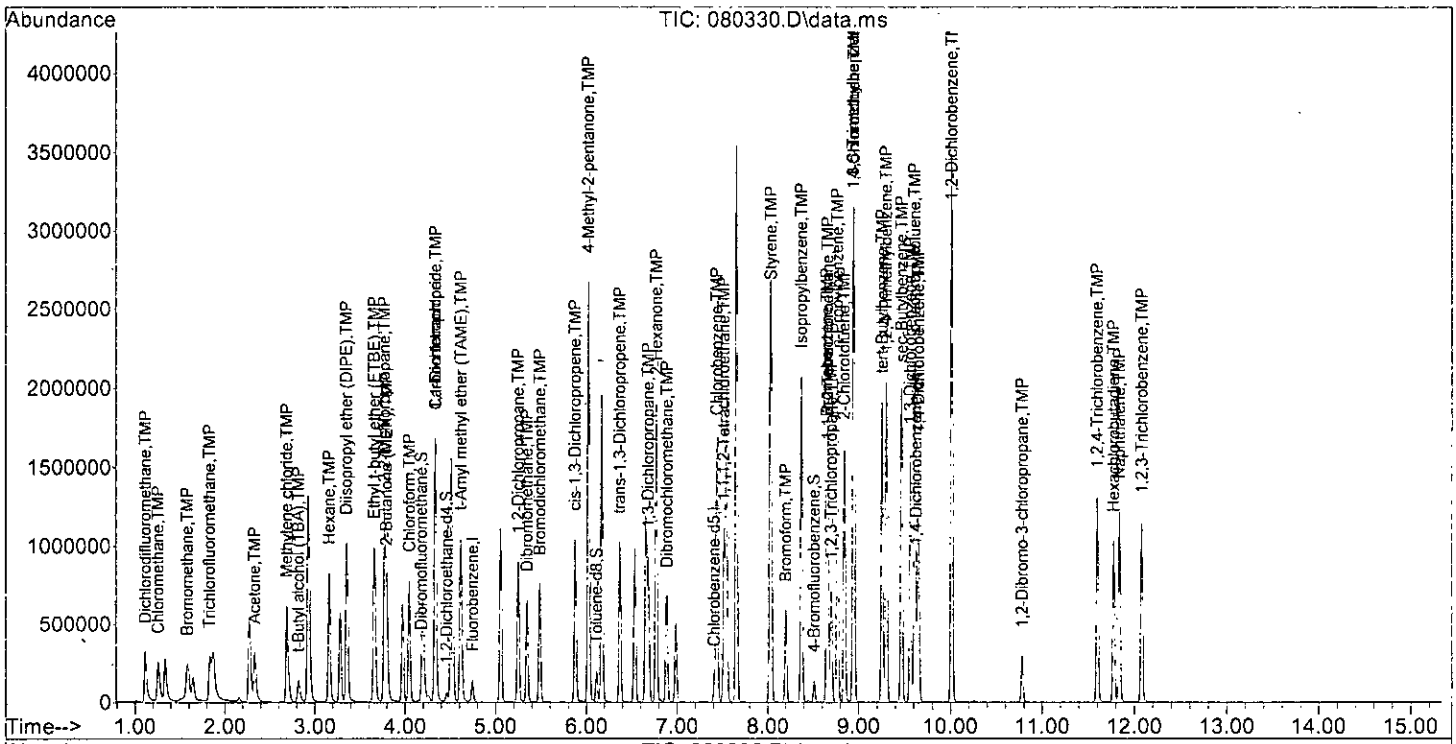
Quant Time: Aug 05 13:01:17 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	263024	96.154	ppb	#	62
43) 2-Hexanone	6.77	43	1030904	500.684	ppb		97
44) 1,3-Dichloropropane	6.68	76	404679	95.637	ppb		99
45] Tetrachloroethene	6.65	164	271620	97.664	ppb		90
46) Dibromochloromethane	6.89	129	323378	101.567	ppb		96
47] 1,2-Dibromoethane (EDB)	6.98	107	320631	96.307	ppb		83
48) Chlorobenzene	7.44	112	736579	97.379	ppb		85
49] Ethylbenzene	7.54	91	1405697	92.396	ppb		88
50) 1,1,1,2-Tetrachloroethane	7.51	131	265692	98.714	ppb		92
51] m,p-Xylene	7.66	106	1006428	187.756	ppb		85
52] o-Xylene	8.03	106	501403	92.556	ppb		99
53) Styrene	8.04	104	730905	97.102	ppb		98
54) Isopropylbenzene	8.37	105	1159308	95.120	ppb		93
55) Bromoform	8.20	173	215950	106.678	ppb		90
58) n-Propylbenzene	8.77	91	1386627	92.408	ppb		86
59) Bromobenzene	8.65	156	305792	98.795	ppb	#	71
60) 1,3,5-Trimethylbenzene	8.94	105	912280	92.681	ppb		95
61) 1,1,2,2-Tetrachloroethane	8.66	83	350775	93.430	ppb		94
62) 1,2,3-Trichloropropane	8.70	75	249273	97.461	ppb		85
63) 2-Chlorotoluene	8.84	91	774410	91.354	ppb		87
64) 4-Chlorotoluene	8.95	91	913062	91.069	ppb		87
65) tert-Butylbenzene	9.26	119	813470	92.730	ppb		87
66) 1,2,4-Trimethylbenzene	9.30	105	979013	94.559	ppb		94
67) sec-Butylbenzene	9.47	105	1247438	95.189	ppb		93
68) p-Isopropyltoluene	9.61	119	1041062	97.704	ppb		97
69) 1,3-Dichlorobenzene	9.56	146	569865	99.330	ppb		95
70) 1,4-Dichlorobenzene	9.65	146	548578	97.274	ppb		97
71) 1,2-Dichlorobenzene	10.01	146	538631	97.679	ppb		94
72) 1,2-Dibromo-3-chloropr...	10.78	75	58117	97.526	ppb		93
73) 1,2,4-Trichlorobenzene	11.60	180	344378	101.688	ppb		82
74) Hexachlorobutadiene	11.78	225	172543	95.217	ppb		91
75) Naphthalene	11.84	128	831704	108.436	ppb		98
76) 1,2,3-Trichlorobenzene	12.08	180	306752	103.946	ppb		99

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

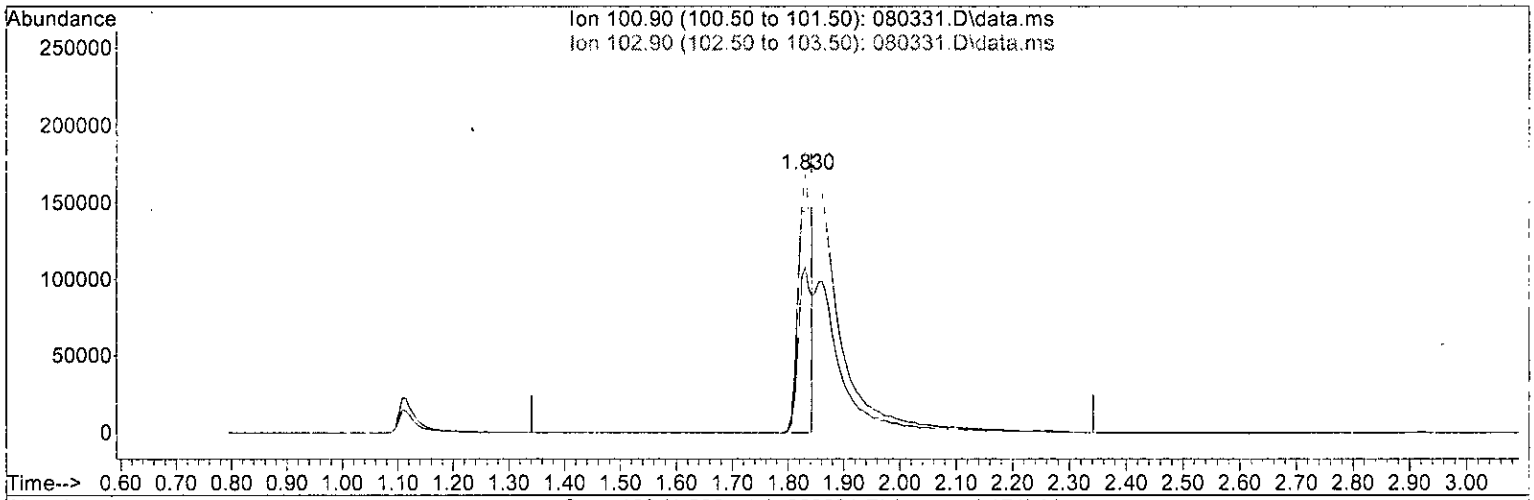
Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080330.D
Acq On : 04 Aug 2022 12:07 am
Operator : JCM
Sample : 100 ppb 8260 ICAL 67-43S
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

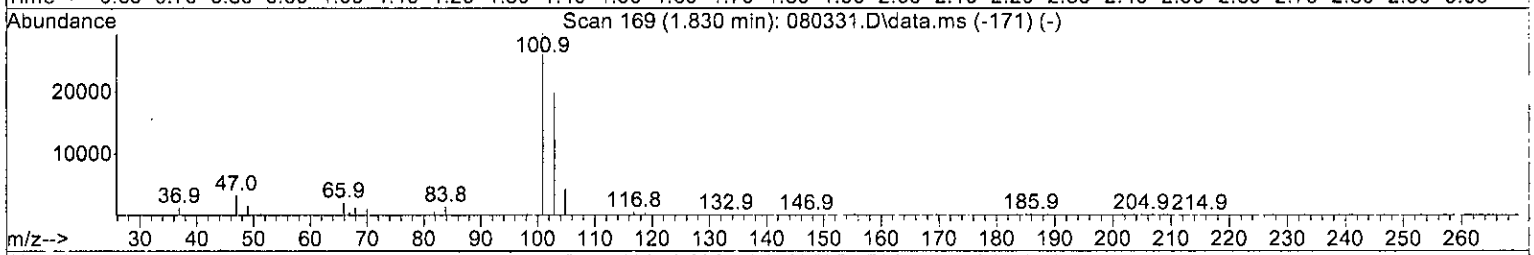
Quant Time: Aug 05 13:01:17 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

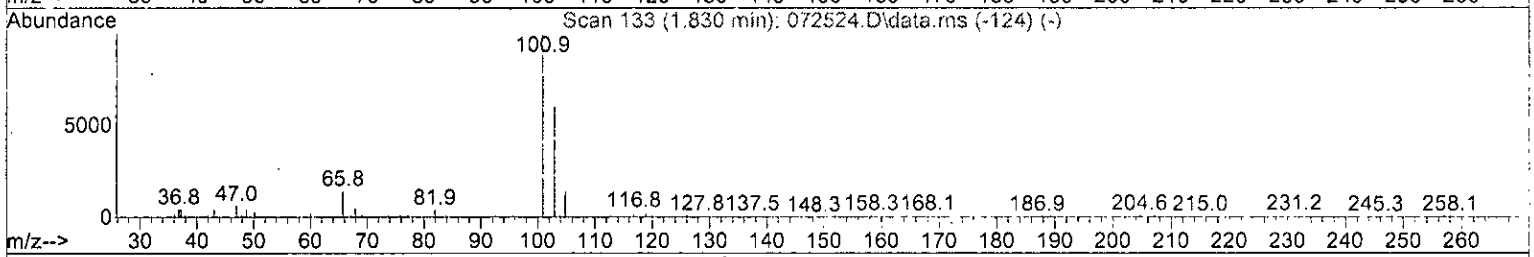


Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080331.D
Acq On : 04 Aug 2022 12:30 am
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:19 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 080331.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.830min (-0.012) 48.328 ppb

response 277926

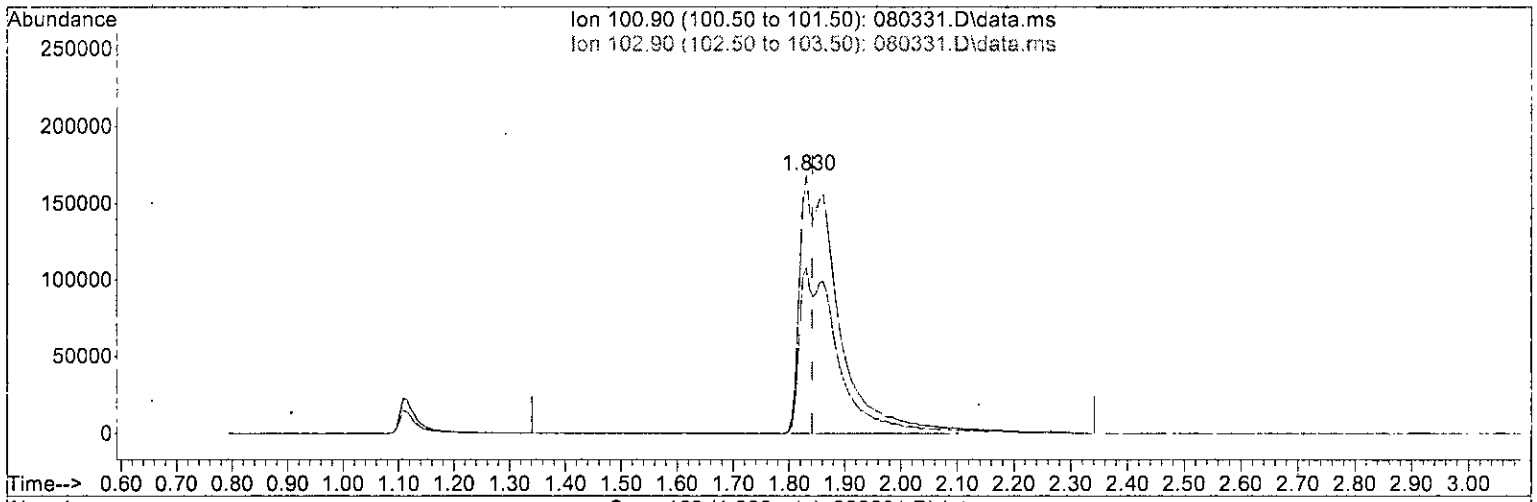
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	64.28
0.00	0.00	0.00
0.00	0.00	0.00

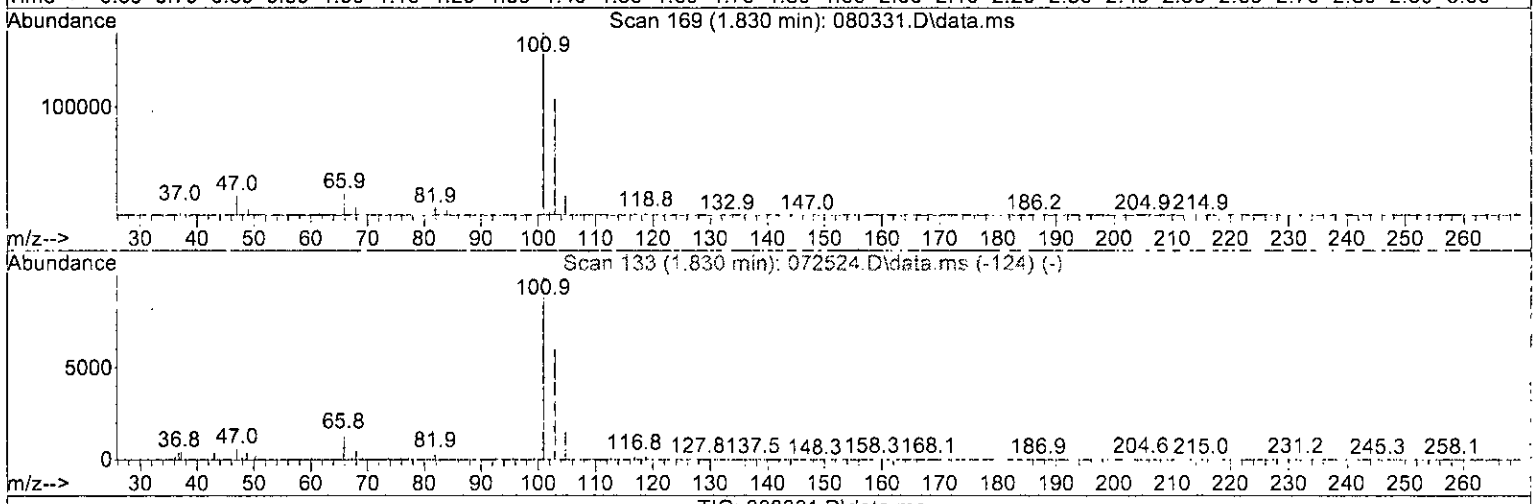
8/5 AM

Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080331.D
Acq On : 04 Aug 2022 12:30 am
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:19 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080331.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.830min (-0.012) 139.728 ppb m

response 803548

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	64.34
0.00	0.00	0.00
0.00	0.00	0.00

8/5 DM

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080331.D
Acq On : 04 Aug 2022 12:30 am
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:33:09 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3	S	Dibromofluoromethane	10.000	10.289	-2.9	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	158.190	-5.5	100	-0.01
5	TMP	Chloromethane	150.000	145.859	2.8	100	-0.01
6	TMP	Vinyl chloride	150.000	153.109	-2.1	100	-0.01
7	TMP	Bromomethane	150.000	146.909	2.1	100	-0.01
8	TMP	Chloroethane	150.000	152.309	-1.5	100	-0.01
9	TMP	Trichlorofluoromethane	150.000	139.728	6.8	96	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11	TMP	Acetone	750.000	740.078	1.3	100	-0.01
12	TMP	1,1-Dichloroethene	150.000	151.383	-0.9	100	-0.01
13	TMP	Hexane	150.000	140.955	6.0	100	0.00
14	TMP	Methylene chloride	150.000	152.740	-1.8	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	750.000	744.687	0.7	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	150.000	148.714	0.9	100	-0.01
17	TMP	trans-1,2-Dichloroethene	150.000	143.187	4.5	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	150.000	145.638	2.9	100	0.00
19	TMP	1,1-Dichloroethane	150.000	148.373	1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	148.676	0.9	100	0.00
21	TMP	2,2-Dichloropropane	150.000	123.023	18.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	150.000	144.873	3.4	100	0.00
23	TMP	Chloroform	150.000	147.491	1.7	100	0.00
24	TMP	2-Butanone (MEK)	750.000	800.848	-6.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	150.000	146.142	2.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	150.000	148.948	0.7	100	0.00
27	TMP	1,1,1-Trichloroethane	150.000	151.026	-0.7	100	0.00
28	TMP	1,1-Dichloropropene	150.000	151.407	-0.9	100	0.00
29	TMP	Carbon tetrachloride	150.000	157.591	-5.1	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.060	-0.6	100	0.00
31	TMP	Benzene	150.000	142.526	5.0	100	0.00
32	TMP	Trichloroethene	150.000	145.189	3.2	100	0.00
33	TMP	1,2-Dichloropropane	150.000	143.035	4.6	100	0.00
34	TMP	Bromodichloromethane	150.000	151.346	-0.9	100	0.00
35	S	Toluene-d8	10.000	10.289	-2.9	100	0.00
36	TMP	Dibromomethane	150.000	148.871	0.8	100	0.00
37	TMP	4-Methyl-2-pentanone	750.000	715.434	4.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	150.000	148.961	0.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	150.000	147.816	1.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	150.000	150.906	-0.6	100	0.00
42	TMP	1,1,2-Trichloroethane	150.000	145.427	3.0	100	0.00
43	TMP	2-Hexanone	750.000	719.195	4.1	100	0.00
44	TMP	1,3-Dichloropropane	150.000	145.265	3.2	100	0.00
45	TMP	Tetrachloroethene	150.000	151.242	-0.8	100	0.00
46	TMP	Dibromochloromethane	150.000	155.971	-4.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	150.000	146.903	2.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080331.D
Acq On : 04 Aug 2022 12:30 am
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:33:09 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	150.000	149.551	0.3	100	0.00
49	TMP	Ethylbenzene	150.000	136.495	9.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	150.000	151.870	-1.2	100	0.00
51	TMP	m,p-Xylene	300.000	276.726	7.8	100	0.00
52	TMP	o-Xylene	150.000	137.846	8.1	100	0.00
53	TMP	Styrene	150.000	145.388	3.1	100	0.00
54	TMP	Isopropylbenzene	150.000	143.424	4.4	100	0.00
55	TMP	Bromoform	150.000	161.976	-8.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.304	7.0	100	0.00
58	TMP	n-Propylbenzene	150.000	134.943	10.0	100	0.00
59	TMP	Bromobenzene	150.000	149.532	0.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	150.000	136.165	9.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	150.000	136.943	8.7	100	0.00
62	TMP	1,2,3-Trichloropropane	150.000	139.390	7.1	100	0.00
63	TMP	2-Chlorotoluene	150.000	134.153	10.6	100	0.00
64	TMP	4-Chlorotoluene	150.000	131.904	12.1	100	0.00
65	TMP	tert-Butylbenzene	150.000	139.713	6.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	150.000	140.262	6.5	100	0.00
67	TMP	sec-Butylbenzene	150.000	142.056	5.3	100	0.00
68	TMP	p-Isopropyltoluene	150.000	145.843	2.8	100	0.00
69	TMP	1,3-Dichlorobenzene	150.000	146.657	2.2	100	0.00
70	TMP	1,4-Dichlorobenzene	150.000	143.100	4.6	100	0.00
71	TMP	1,2-Dichlorobenzene	150.000	146.606	2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	150.000	146.004	2.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	150.000	157.381	-4.9	100	0.00
74	TMP	Hexachlorobutadiene	150.000	148.357	1.1	100	0.00
75	TMP	Naphthalene	150.000	169.282	-12.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	150.000	161.368	-7.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080331.D
Acq On : 04 Aug 2022 12:30 am
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:33:09 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area.: 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3	S	Dibromofluoromethane	0.279	0.287	-2.9	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.366	-5.5	100	-0.01
5	TMP	Chloromethane	0.324	0.315	2.8	100	-0.01
6	TMP	Vinyl chloride	0.333	0.340	-2.1	100	-0.01
7	TMP	Bromomethane	0.204	0.200	2.0	100	-0.01
8	TMP	Chloroethane	0.114	0.116	-1.8	100	-0.01
9	TMP	Trichlorofluoromethane	0.577	0.538	6.8	96	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11	TMP	Acetone	0.024	0.024	0.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.276	0.278	-0.7	100	-0.01
13	TMP	Hexane	0.347	0.327	5.8	100	0.00
14	TMP	Methylene chloride	0.363	0.287	20.9#	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.034	0.034	0.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.820	0.8	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.328	0.313	4.6	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.765	0.742	3.0	100	0.00
19	TMP	1,1-Dichloroethane	0.510	0.504	1.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.327	0.9	100	0.00
21	TMP	2,2-Dichloropropane	0.288	0.236	18.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.333	3.5	100	0.00
23	TMP	Chloroform	0.519	0.510	1.7	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.145	-6.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.731	2.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.385	11.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.497	-0.6	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.371	6.1	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.420	-5.0	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.060	0.0	100	0.00
31	TMP	Benzene	1.240	1.178	5.0	100	0.00
32	TMP	Trichloroethene	0.358	0.347	3.1	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.265	4.7	100	0.00
34	TMP	Bromodichloromethane	0.393	0.397	-1.0	100	0.00
35	S	Toluene-d8	1.013	1.043	-3.0	100	0.00
36	TMP	Dibromomethane	0.197	0.196	0.5	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.050	5.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.458	0.7	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	0.997	6.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.554	-0.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.338	2.9	100	0.00
43	TMP	2-Hexanone	0.262	0.251	4.2	100	0.00
44	TMP	1,3-Dichloropropane	0.539	0.522	3.2	100	0.00
45	TMP	Tetrachloroethene	0.380	0.357	6.1	100	0.00
46	TMP	Dibromochloromethane	0.406	0.422	-3.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.415	2.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080331.D
Acq On : 04 Aug 2022 12:30 am
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:33:09 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.961	0.2	100	0.00
49	TMP	Ethylbenzene	1.938	1.763	9.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.347	-1.2	100	0.00
51	TMP	m,p-Xylene	0.711	0.630	11.4	100	0.00
52	TMP	o-Xylene	0.690	0.634	8.1	100	0.00
53	TMP	Styrene	0.959	0.929	3.1	100	0.00
54	TMP	Isopropylbenzene	1.552	1.484	4.4	100	0.00
55	TMP	Bromoform	0.258	0.278	-7.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	0.911	6.9	100	0.00
58	TMP	n-Propylbenzene	3.720	3.347	10.0	100	0.00
59	TMP	Bromobenzene	0.767	0.765	0.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.215	9.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.850	8.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.589	7.1	100	0.00
63	TMP	2-Chlorotoluene	2.102	1.880	10.6	100	0.00
64	TMP	4-Chlorotoluene	2.486	2.186	12.1	100	0.00
65	TMP	tert-Butylbenzene	2.175	2.026	6.9	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.400	6.5	100	0.00
67	TMP	sec-Butylbenzene	3.249	3.077	5.3	100	0.00
68	TMP	p-Isopropyltoluene	2.642	2.568	2.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.391	2.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.334	4.6	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.336	2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.144	2.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.881	-4.9	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.444	1.1	100	0.00
75	TMP	Naphthalene	1.902	2.146	-12.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.787	-7.5	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080331.D
Acq On : 04 Aug 2022 12:30 am
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:33:09 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.75	96	99631	10.000 ppb	0.00
39) Chlorobenzene-d5	7.41	117	75658	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	39152	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	28607	10.289 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.90%		
30) 1,2-Dichloroethane-d4	4.46	102	5994	10.060 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 100.60%		
35) Toluene-d8	6.11	98	103890	10.289 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 102.90%		
57) 4-Bromofluorobenzene	8.52	95	35648	9.304 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 93.00%		
Target Compounds					Qvalue
2) Ethanol	2.33	45	2311	No Calib	
4) Dichlorodifluoromethane	1.11	85	546247	158.190 ppb	96
5) Chloromethane	1.26	50	470470	145.859 ppb	92
6] Vinyl chloride	1.33	62	507429	153.109 ppb	98
7) Bromomethane	1.58	94	298447	146.909 ppb	96
8] Chloroethane	1.65	64	173414	152.309 ppb	93
9) Trichlorofluoromethane	1.83	101	803548m	139.728 ppb	
10) 2-Propanol	2.33	45	2311	No Calib #	
11) Acetone	2.33	58	175662	740.078 ppb #	53
12] 1,1-Dichloroethene	2.27	96	415688	151.383 ppb	100
13) Hexane	3.16	57	488001	140.955 ppb	93
14) Methylene chloride	2.68	84	428848	152.740 ppb	93
15) t-Butyl alcohol (TBA)	2.82	59	253281	744.687 ppb	76
16] Methyl t-butyl ether (...	2.93	73	1225973	148.714 ppb	95
17] trans-1,2-Dichloroethene	2.92	96	468041	143.187 ppb	93
18) Diisopropyl ether (DIPE)	3.35	45	1109451	145.638 ppb	96
19] 1,1-Dichloroethane	3.28	63	753571	148.373 ppb	98
20) Ethyl t-butyl ether (E...	3.66	87	489149	148.676 ppb	83
21) 2,2-Dichloropropane	3.77	77	352538	123.023 ppb	87
22] cis-1,2-Dichloroethene	3.77	96	497282	144.873 ppb	98
23) Chloroform	4.05	83	762117	147.491 ppb	94
24) 2-Butanone (MEK)	3.80	43	1083205	800.848 ppb	96
25) t-Amyl methyl ether (T...	4.62	73	1092003	146.142 ppb	91
26] 1,2-Dichloroethane (EDC)	4.52	62	574750	148.948 ppb	100
27] 1,1,1-Trichloroethane	4.19	97	743046	151.026 ppb	96
28) 1,1-Dichloropropene	4.34	75	555069	151.407 ppb	89
29) Carbon tetrachloride	4.34	117	627785	157.591 ppb	94
31] Benzene	4.50	78	1761020	142.526 ppb	100
32] Trichloroethene	5.06	95	518297	145.189 ppb	89
33) 1,2-Dichloropropane	5.25	63	396610	143.035 ppb	90
34) Bromodichloromethane	5.48	83	592629	151.346 ppb	98
36) Dibromomethane	5.35	93	292859	148.871 ppb #	76
37) 4-Methyl-2-pentanone	6.02	85	377199	715.434 ppb	94
38) cis-1,3-Dichloropropene	5.88	75	683916	148.961 ppb	94
40] Toluene	6.16	92	1131598	147.816 ppb	99
41) trans-1,3-Dichloropropene	6.37	75	628852	150.906 ppb	93

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080331.D
Acq On : 04 Aug 2022 12:30 am
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

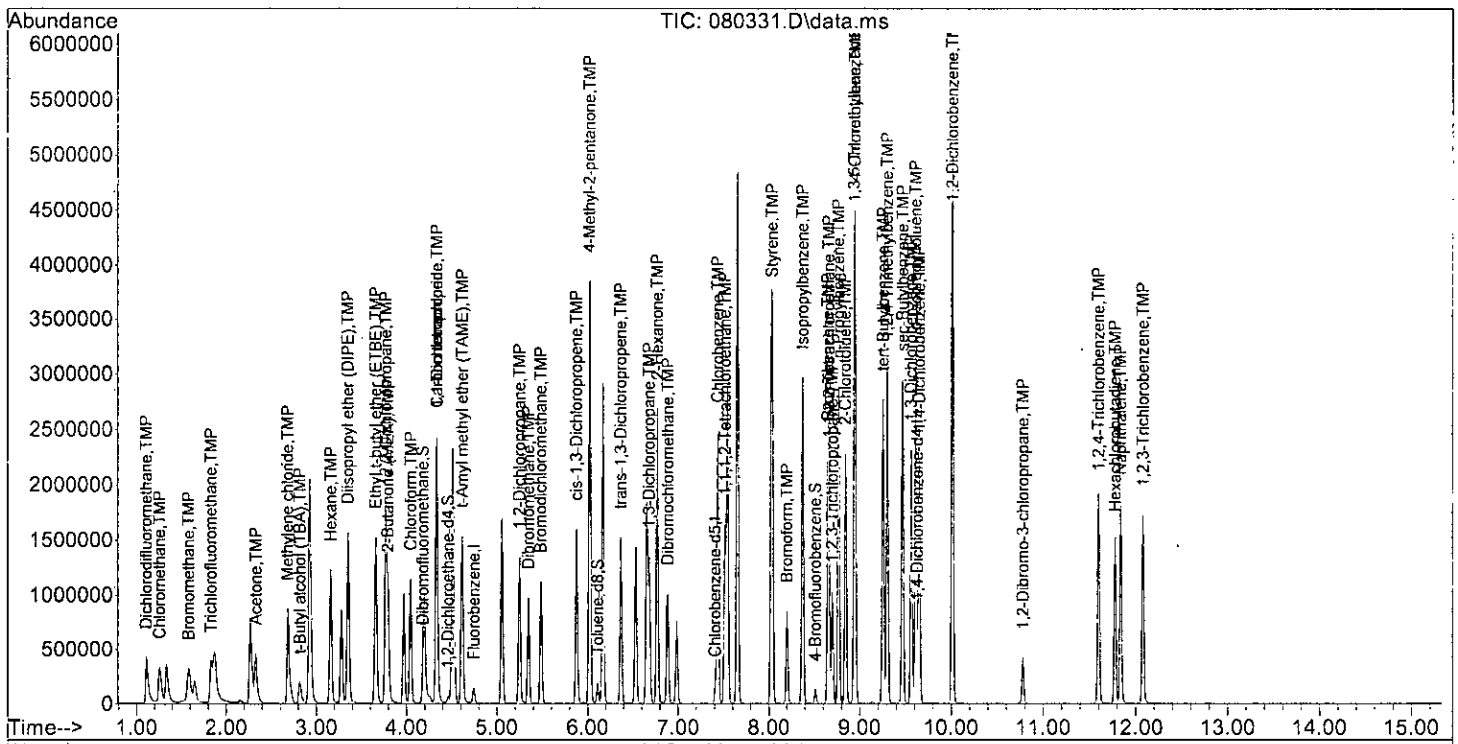
Quant Time: Aug 05 13:33:09 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

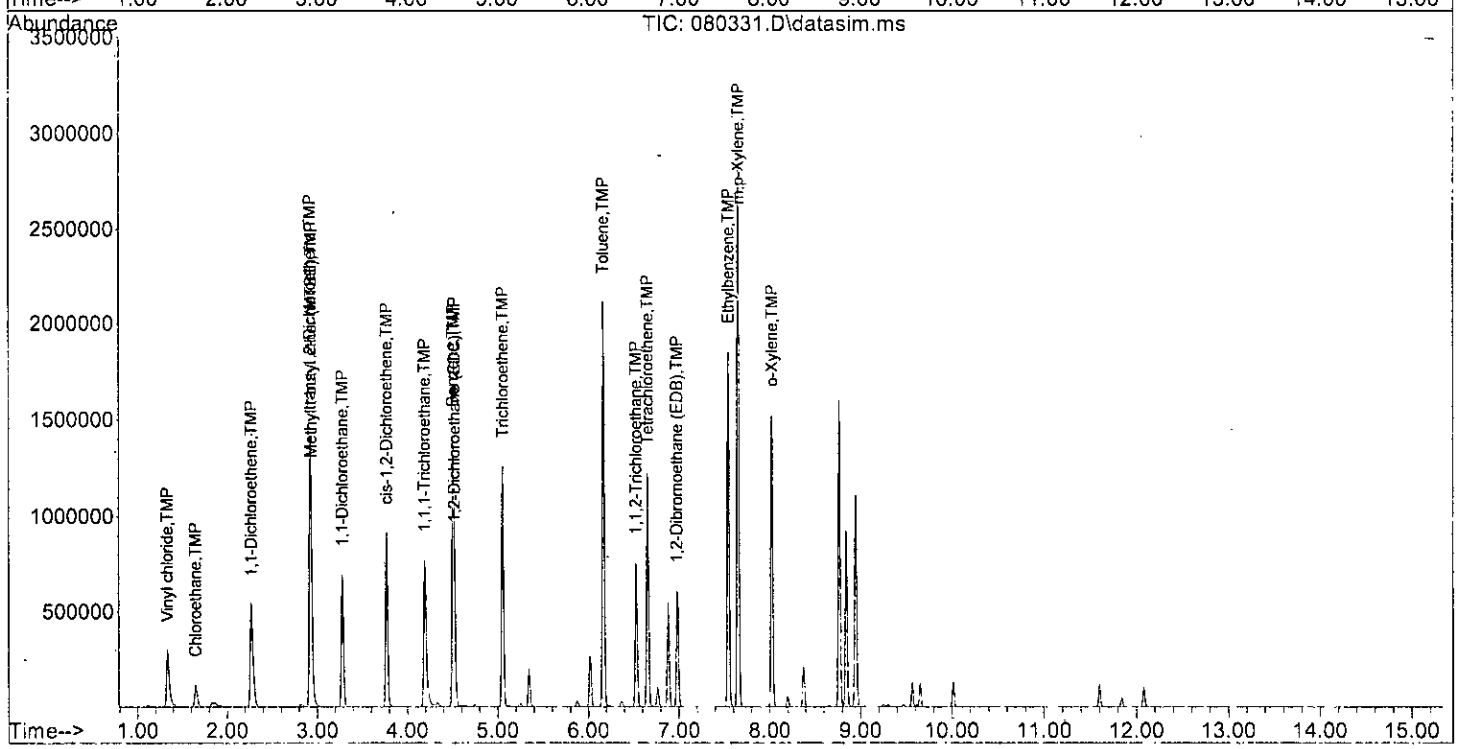
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	383360	145.427	ppb	#	62
43) 2-Hexanone	6.77	43	1427041	719.195	ppb		96
44) 1,3-Dichloropropane	6.68	76	592350	145.265	ppb		100
45] Tetrachloroethene	6.65	164	405336	151.242	ppb		91
46) Dibromochloromethane	6.89	129	478561	155.971	ppb		95
47] 1,2-Dibromoethane (EDB)	6.98	107	471317	146.903	ppb		83
48) Chlorobenzene	7.44	112	1090130	149.551	ppb		85
49] Ethylbenzene	7.55	91	2001201	136.495	ppb		95
50) 1,1,1,2-Tetrachloroethane	7.52	131	393919	151.870	ppb		95
51] m,p-Xylene	7.66	106	1429425	276.726	ppb		84
52] o-Xylene	8.03	106	719634	137.846	ppb		99
53) Styrene	8.04	104	1054623	145.388	ppb		97
54) Isopropylbenzene	8.37	105	1684549	143.424	ppb		94
55) Bromoform	8.20	173	315982	161.976	ppb		92
58) n-Propylbenzene	8.77	91	1965444	134.943	ppb		86
59) Bromobenzene	8.65	156	449248	149.532	ppb	#	71
60) 1,3,5-Trimethylbenzene	8.94	105	1300962	136.165	ppb		96
61) 1,1,2,2-Tetrachloroethane	8.66	83	499052	136.943	ppb		94
62) 1,2,3-Trichloropropane	8.70	75	346046	139.390	ppb		85
63) 2-Chlorotoluene	8.84	91	1103835	134.153	ppb		88
64) 4-Chlorotoluene	8.95	91	1283656	131.904	ppb		87
65) tert-Butylbenzene	9.26	119	1189646	139.713	ppb		87
66) 1,2,4-Trimethylbenzene	9.30	105	1409558	140.262	ppb		96
67) sec-Butylbenzene	9.47	105	1806977	142.056	ppb		93
68) p-Isopropyltoluene	9.61	119	1508370	145.843	ppb		97
69) 1,3-Dichlorobenzene	9.56	146	816688	146.657	ppb		96
70) 1,4-Dichlorobenzene	9.65	146	783327	143.100	ppb		99
71) 1,2-Dichlorobenzene	10.01	146	784697	146.606	ppb		94
72) 1,2-Dibromo-3-chloropr...	10.78	75	84452	146.004	ppb		88
73) 1,2,4-Trichlorobenzene	11.60	180	517343	157.381	ppb		86
74) Hexachlorobutadiene	11.78	225	260946	148.357	ppb		92
75) Naphthalene	11.84	128	1260280	169.282	ppb		98
76) 1,2,3-Trichlorobenzene	12.08	180	462230	161.368	ppb		99

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

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080331.D
Acq On : 04 Aug 2022 12:30 am
Operator : JCM
Sample : 150 ppb 8260 ICAL 67-43T
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:33:09 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

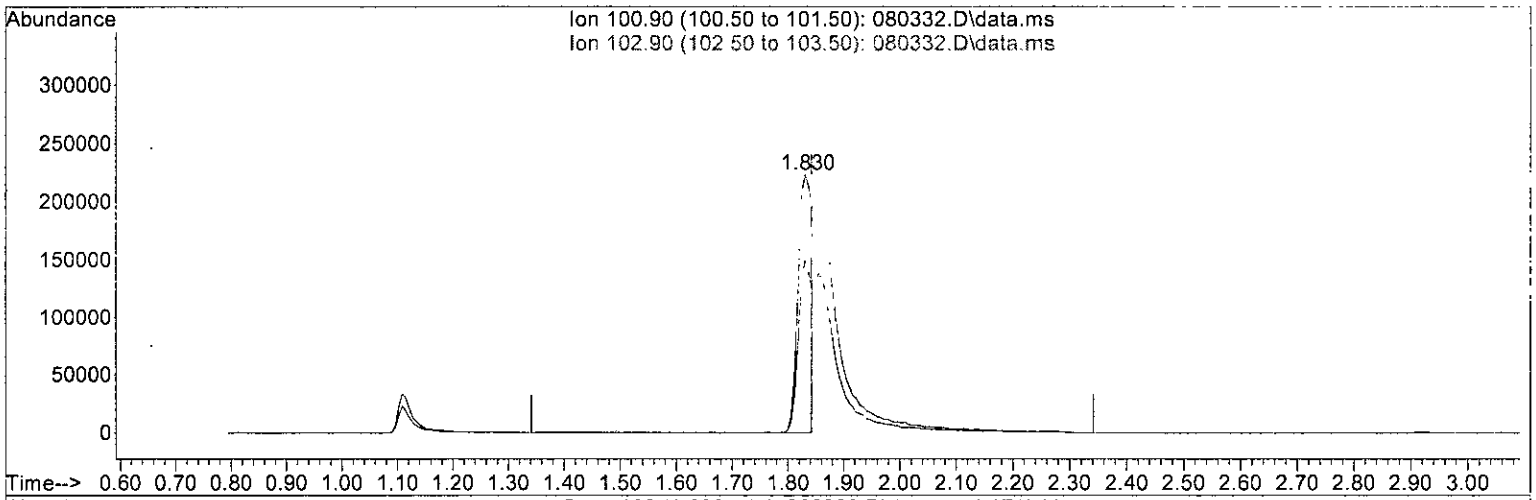


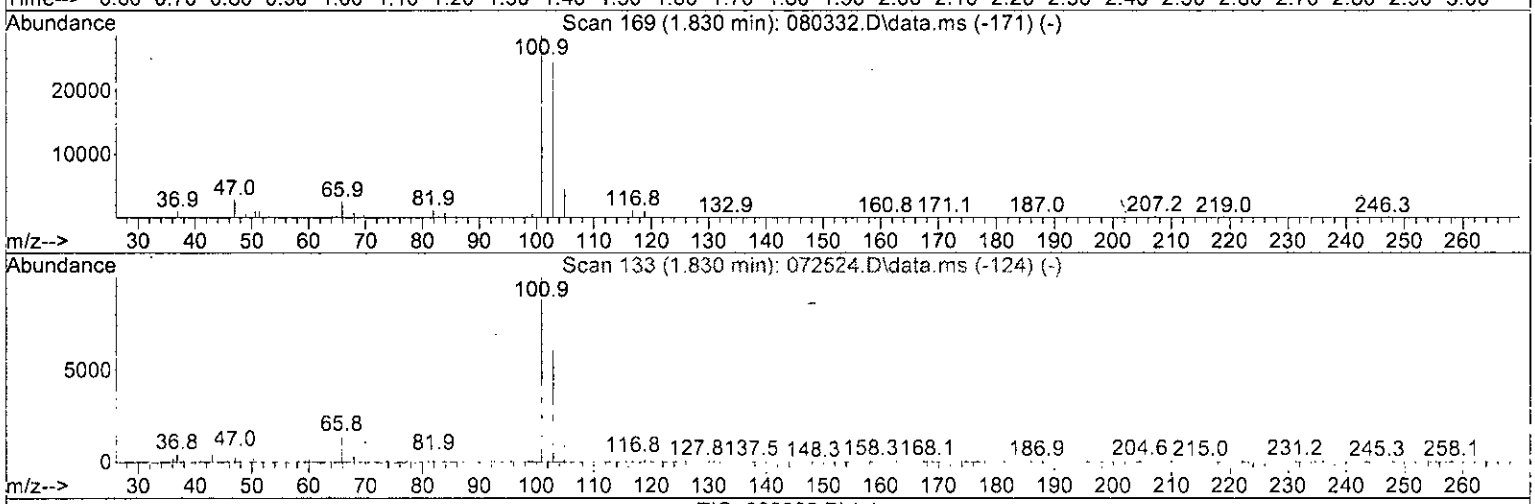


Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080332.D
Acq On : 04 Aug 2022 12:53 am
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:21 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080332.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.830min (-0.012) 70.251 ppb

response 384636

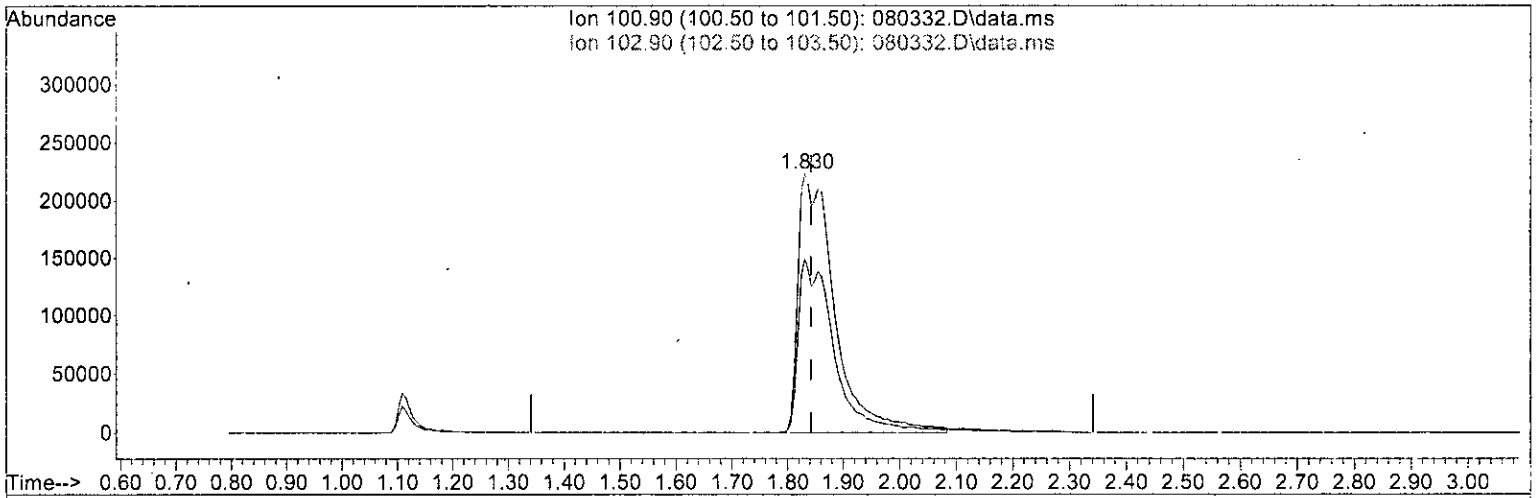
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	63.30	66.94
0.00	0.00	0.00
0.00	0.00	0.00

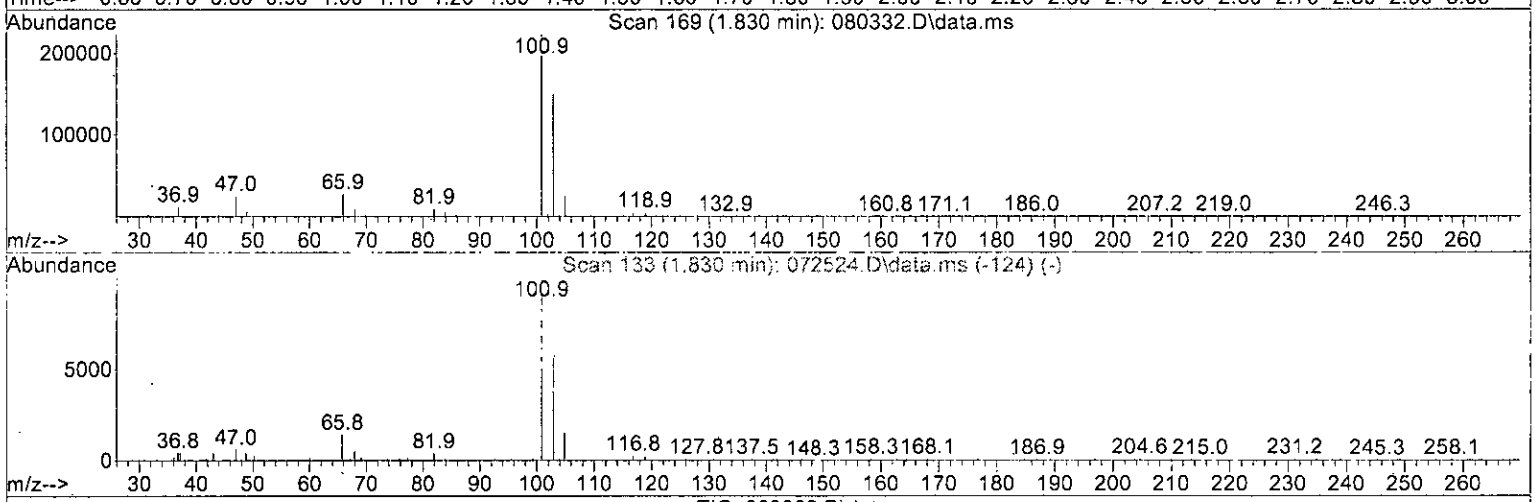
8/5 JCM

Quantitation Report (Qedit)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080332.D
Acq On : 04 Aug 2022 12:53 am
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:21 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 080332.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.830min (-0.012) 187.269 ppb m

response 1025335

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	66.94
0.00	0.00	0.00
0.00	0.00	0.00

8/5 JCM

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080332.D
Acq On : 04 Aug 2022 12:53 am
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:34:12 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3	S	Dibromofluoromethane	10.000	9.950	0.5	100	0.00
4	TMP	Dichlorodifluoromethane	200.000	217.300	-8.7	100	-0.01
5	TMP	Chloromethane	200.000	198.281	0.9	100	-0.01
6	TMP	Vinyl chloride	200.000	206.226	-3.1	100	-0.01
7	TMP	Bromomethane	200.000	202.947	-1.5	100	-0.02
8	TMP	Chloroethane	200.000	204.477	-2.2	100	-0.02
9	TMP	Trichlorofluoromethane	200.000	187.269	6.4	99	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11	TMP	Acetone	1000.000	963.035	3.7	100	-0.01
12	TMP	1,1-Dichloroethene	200.000	201.515	-0.8	100	-0.01
13	TMP	Hexane	200.000	182.734	8.6	100	0.00
14	TMP	Methylene chloride	200.000	197.727	1.1	100	0.00
15	TMP	t-Butyl alcohol (TBA)	1000.000	1018.793	-1.9	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	200.000	194.598	2.7	100	-0.01
17	TMP	trans-1,2-Dichloroethene	200.000	185.171	7.4	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	200.000	192.400	3.8	100	0.00
19	TMP	1,1-Dichloroethane	200.000	193.434	3.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	200.000	196.993	1.5	100	0.00
21	TMP	2,2-Dichloropropane	200.000	208.768	-4.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	200.000	187.881	6.1	100	0.00
23	TMP	Chloroform	200.000	193.674	3.2	100	0.00
24	TMP	2-Butanone (MEK)	1000.000	922.270	7.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	200.000	192.938	3.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	200.000	195.426	2.3	100	0.00
27	TMP	1,1,1-Trichloroethane	200.000	200.733	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	200.000	200.203	-0.1	100	0.00
29	TMP	Carbon tetrachloride	200.000	208.949	-4.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.653	-6.5	100	0.00
31	TMP	Benzene	200.000	186.752	6.6	100	0.00
32	TMP	Trichloroethene	200.000	189.338	5.3	100	0.00
33	TMP	1,2-Dichloropropane	200.000	187.898	6.1	100	0.00
34	TMP	Bromodichloromethane	200.000	200.864	-0.4	100	0.00
35	S	Toluene-d8	10.000	10.409	-4.1	100	0.00
36	TMP	Dibromomethane	200.000	198.719	0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	1000.000	938.354	6.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	200.000	198.610	0.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	200.000	188.734	5.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	200.000	198.682	0.7	100	0.00
42	TMP	1,1,2-Trichloroethane	200.000	188.265	5.9	100	0.00
43	TMP	2-Hexanone	1000.000	941.030	5.9	100	0.00
44	TMP	1,3-Dichloropropane	200.000	188.916	5.5	100	0.00
45	TMP	Tetrachloroethene	200.000	195.768	2.1	100	0.00
46	TMP	Dibromochloromethane	200.000	206.292	-3.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	200.000	187.991	6.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080332.D
Acq On : 04 Aug 2022 12:53 am
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:34:12 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	200.000	193.464	3.3	100	0.00
49	TMP	Ethylbenzene	200.000	173.919	13.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	200.000	197.225	1.4	100	0.00
51	TMP	m,p-Xylene	400.000	348.470	12.9	100	0.00
52	TMP	o-Xylene	200.000	173.805	13.1	100	0.00
53	TMP	Styrene	200.000	185.532	7.2	100	0.00
54	TMP	Isopropylbenzene	200.000	182.541	8.7	100	0.00
55	TMP	Bromoform	200.000	214.630	-7.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.260	7.4	100	0.00
58	TMP	n-Propylbenzene	200.000	173.584	13.2	100	0.00
59	TMP	Bromobenzene	200.000	198.094	1.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	200.000	176.663	11.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	200.000	180.003	10.0	100	0.00
62	TMP	1,2,3-Trichloropropane	200.000	183.776	8.1	100	0.00
63	TMP	2-Chlorotoluene	200.000	172.495	13.8	100	0.00
64	TMP	4-Chlorotoluene	200.000	170.465	14.8	100	0.00
65	TMP	tert-Butylbenzene	200.000	184.770	7.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	200.000	184.386	7.8	100	0.00
67	TMP	sec-Butylbenzene	200.000	186.538	6.7	100	0.00
68	TMP	p-Isopropyltoluene	200.000	192.634	3.7	100	0.00
69	TMP	1,3-Dichlorobenzene	200.000	193.308	3.3	100	0.00
70	TMP	1,4-Dichlorobenzene	200.000	189.959	5.0	100	0.00
71	TMP	1,2-Dichlorobenzene	200.000	195.390	2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	200.000	200.193	-0.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	200.000	213.960	-7.0	100	0.00
74	TMP	Hexachlorobutadiene	200.000	201.951	-1.0	100	0.00
75	TMP	Naphthalene	200.000	230.881	-15.4	100	0.00
76	TMP	1,2,3-Trichlorobenzene	200.000	221.511	-10.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080332.D
Acq On : 04 Aug 2022 12:53 am
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:34:12 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3	S	Dibromofluoromethane	0.279	0.278	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.377	-8.6	100	-0.01
5	TMP	Chloromethane	0.324	0.321	0.9	100	-0.01
6	TMP	Vinyl chloride	0.333	0.343	-3.0	100	-0.01
7	TMP	Bromomethane	0.204	0.207	-1.5	100	-0.02
8	TMP	Chloroethane	0.114	0.117	-2.6	100	-0.02
9	TMP	Trichlorofluoromethane	0.577	0.540	6.4	99	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11	TMP	Acetone	0.024	0.023	4.2	100	-0.01
12	TMP	1,1-Dichloroethene	0.276	0.278	-0.7	100	-0.01
13	TMP	Hexane	0.347	0.317	8.6	100	0.00
14	TMP	Methylene chloride	0.363	0.281	22.6#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.035	-2.9	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.805	2.7	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.328	0.304	7.3	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.765	0.736	3.8	100	0.00
19	TMP	1,1-Dichloroethane	0.510	0.493	3.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.325	1.5	100	0.00
21	TMP	2,2-Dichloropropane	0.288	0.300	-4.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.324	6.1	100	0.00
23	TMP	Chloroform	0.519	0.502	3.3	100	0.00
24	TMP	2-Butanone (MEK)	0.136	0.125	8.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.724	3.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.378	12.9	100	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.496	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	0.395	0.368	6.8	100	0.00
29	TMP	Carbon tetrachloride	0.400	0.418	-4.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.064	-6.7	100	0.00
31	TMP	Benzene	1.240	1.158	6.6	100	0.00
32	TMP	Trichloroethene	0.358	0.339	5.3	100	0.00
33	TMP	1,2-Dichloropropane	0.278	0.261	6.1	100	0.00
34	TMP	Bromodichloromethane	0.393	0.395	-0.5	100	0.00
35	S	Toluene-d8	1.013	1.055	-4.1	100	0.00
36	TMP	Dibromomethane	0.197	0.196	0.5	100	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.050	5.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.458	0.7	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	1.071	0.955	10.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.547	0.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.328	5.7	100	0.00
43	TMP	2-Hexanone	0.262	0.247	5.7	100	0.00
44	TMP	1,3-Dichloropropane	0.539	0.509	5.6	100	0.00
45	TMP	Tetrachloroethene	0.380	0.347	8.7	100	0.00
46	TMP	Dibromochloromethane	0.406	0.418	-3.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.399	5.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080332.D
Acq On : 04 Aug 2022 12:53 am
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:34:12 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.932	3.2	100	0.00
49	TMP	Ethylbenzene	1.938	1.685	13.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.338	1.5	100	0.00
51	TMP	m,p-Xylene	0.711	0.595	16.3	100	0.00
52	TMP	o-Xylene	0.690	0.600	13.0	100	0.00
53	TMP	Styrene	0.959	0.889	7.3	100	0.00
54	TMP	Isopropylbenzene	1.552	1.417	8.7	100	0.00
55	TMP	Bromoform	0.258	0.277	-7.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.979	0.906	7.5	100	0.00
58	TMP	n-Propylbenzene	3.720	3.229	13.2	100	0.00
59	TMP	Bromobenzene	0.767	0.760	0.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.156	11.6	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.838	10.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.583	8.0	100	0.00
63	TMP	2-Chlorotoluene	2.102	1.813	13.7	100	0.00
64	TMP	4-Chlorotoluene	2.486	2.119	14.8	100	0.00
65	TMP	tert-Butylbenzene	2.175	2.009	7.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.366	7.8	100	0.00
67	TMP	sec-Butylbenzene	3.249	3.030	6.7	100	0.00
68	TMP	p-Isopropyltoluene	2.642	2.544	3.7	100	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.375	3.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.328	5.0	100	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.336	2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.148	0.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.898	-6.9	100	0.00
74	TMP	Hexachlorobutadiene	0.449	0.454	-1.1	100	0.00
75	TMP	Naphthalene	1.902	2.195	-15.4	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.810	-10.7	100	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080332.D
Acq On : 04 Aug 2022 12:53 am
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:34:12 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.75	96	94856	10.000 ppb	0.00
39) Chlorobenzene-d5	7.41	117	73883	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	37495	10.000 ppb	# 0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	26338	9.950 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.50%		
30) 1,2-Dichloroethane-d4	4.46	102	6043	10.653 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 106.50%		
35) Toluene-d8	6.11	98	100063	10.409 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 104.10%		
57) 4-Bromofluorobenzene	8.52	95	33978	9.260 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 92.60%		
Target Compounds					Qvalue
2) Ethanol	2.33	45	2796	No Calib	
4) Dichlorodifluoromethane	1.11	85	714396	217.300 ppb	95
5) Chloromethane	1.26	50	608907	198.281 ppb	96
6] Vinyl chloride	1.33	62	650712	206.226 ppb	99
7) Bromomethane	1.58	94	392528	202.947 ppb	96
8] Chloroethane	1.64	64	221654	204.477 ppb	92
9) Trichlorofluoromethane	1.83	101	1025335m	187.269 ppb	
10) 2-Propanol	2.33	45	2796	No Calib #	
11) Acetone	2.33	58	217627	963.035 ppb #	53
12] 1,1-Dichloroethene	2.27	96	526829	201.515 ppb	99
13) Hexane	3.16	57	602321	182.734 ppb	96
14) Methylene chloride	2.69	84	532282	197.727 ppb	92
15) t-Butyl alcohol (TBA)	2.82	59	329902	1018.793 ppb	77
16] Methyl t-butyl ether (...	2.93	73	1527349	194.598 ppb	95
17] trans-1,2-Dichloroethene	2.92	96	576269	185.171 ppb	93
18) Diisopropyl ether (DIPE)	3.35	45	1395435	192.400 ppb	96
19] 1,1-Dichloroethane	3.28	63	935349	193.434 ppb	98
20) Ethyl t-butyl ether (E...	3.66	87	617051	196.993 ppb	87
21) 2,2-Dichloropropane	3.77	77	569581	208.768 ppb	88
22] cis-1,2-Dichloroethene	3.77	96	614001	187.881 ppb	97
23) Chloroform	4.05	83	952795	193.674 ppb	93
24) 2-Butanone (MEK)	3.80	43	1187651	922.270 ppb	97
25) t-Amyl methyl ether (T...	4.62	73	1372579	192.938 ppb	91
26] 1,2-Dichloroethane (EDC)	4.52	62	717926	195.426 ppb	99
27] 1,1,1-Trichloroethane	4.19	97	940271	200.733 ppb	96
28) 1,1-Dichloropropene	4.34	75	698678	200.203 ppb	90
29) Carbon tetrachloride	4.34	117	792483	208.949 ppb	95
31] Benzene	4.50	78	2196870	186.752 ppb	100
32] Trichloroethene	5.06	95	643507	189.338 ppb	89
33) 1,2-Dichloropropane	5.25	63	496038	187.898 ppb	90
34) Bromodichloromethane	5.49	83	748833	200.864 ppb	97
36) Dibromomethane	5.35	93	372185	198.719 ppb #	76
37) 4-Methyl-2-pentanone	6.02	85	471019	938.354 ppb	92
38) cis-1,3-Dichloropropene	5.88	75	868160	198.610 ppb	94
40] Toluene	6.16	92	1410920	188.734 ppb	99
41) trans-1,3-Dichloropropene	6.37	75	808516	198.682 ppb	92

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080332.D
Acq On : 04 Aug 2022 12:53 am
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

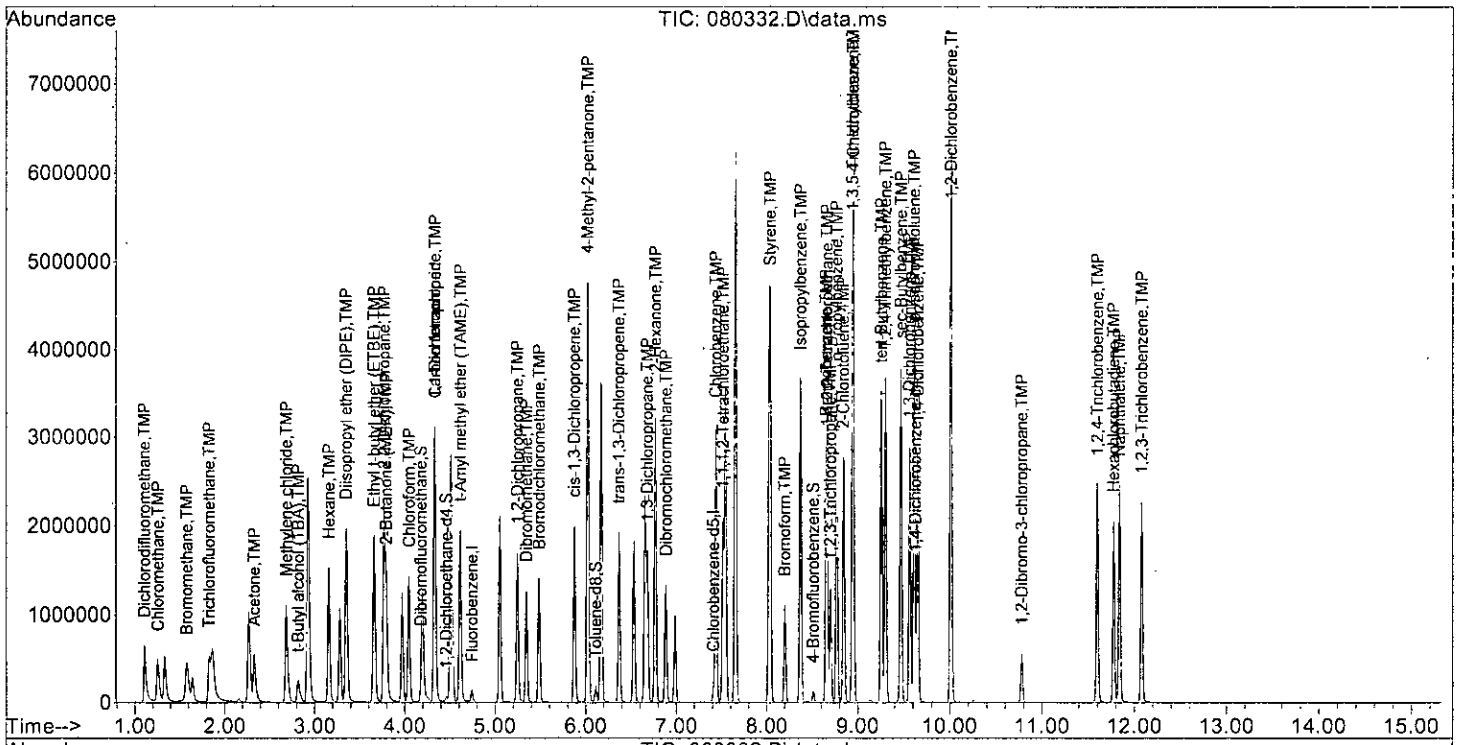
Quant Time: Aug 05 13:34:12 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

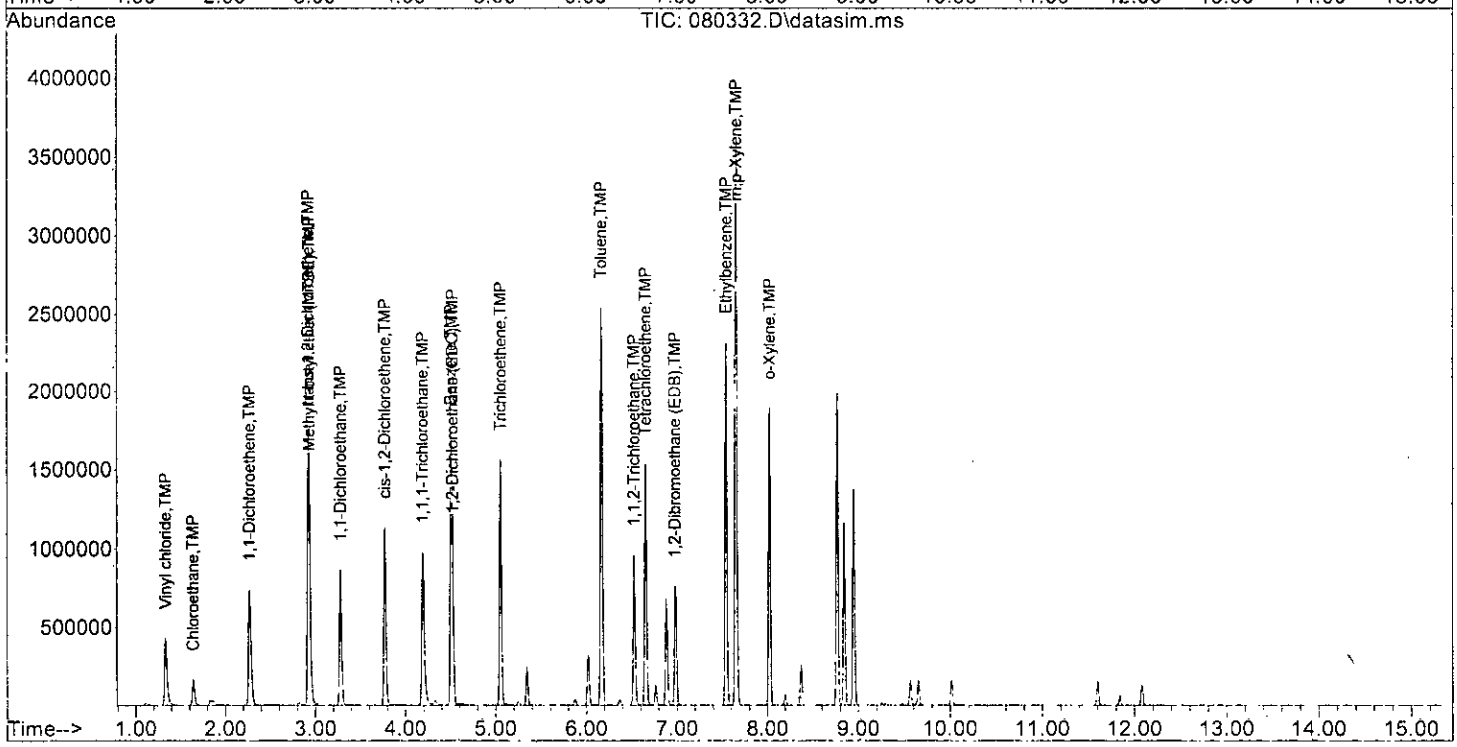
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1,2-Trichloroethane	6.53	83	484641	188.265	ppb	#	62
43) 2-Hexanone	6.77	43	1823403	941.030	ppb		96
44) 1,3-Dichloropropane	6.68	76	752274	188.916	ppb		100
45) Tetrachloroethene	6.65	164	512350	195.768	ppb		91
46) Dibromochloromethane	6.89	129	618109	206.292	ppb		96
47) 1,2-Dibromoethane (EDB)	6.98	107	588993	187.991	ppb		83
48) Chlorobenzene	7.44	112	1377144	193.464	ppb		84
49) Ethylbenzene	7.55	91	2490056	173.919	ppb		94
50) 1,1,1,2-Tetrachloroethane	7.52	131	499560	197.225	ppb		94
51) m,p-Xylene	7.66	106	1757770	348.470	ppb		83
52) o-Xylene	8.03	106	886071	173.805	ppb		97
53) Styrene	8.04	104	1314251	185.532	ppb		98
54) Isopropylbenzene	8.37	105	2093683	182.541	ppb		94
55) Bromoform	8.20	173	408876	214.630	ppb		94
58) n-Propylbenzene	8.77	91	2421246	173.584	ppb		86
59) Bromobenzene	8.65	156	569958	198.094	ppb	#	72
60) 1,3,5-Trimethylbenzene	8.94	105	1616452	176.663	ppb		96
61) 1,1,2,2-Tetrachloroethane	8.66	83	628208	180.003	ppb		94
62) 1,2,3-Trichloropropane	8.70	75	436929	183.776	ppb		85
63) 2-Chlorotoluene	8.84	91	1359251	172.495	ppb		88
64) 4-Chlorotoluene	8.95	91	1588718	170.465	ppb		88
65) tert-Butylbenzene	9.26	119	1506712	184.770	ppb		87
66) 1,2,4-Trimethylbenzene	9.30	105	1774562	184.386	ppb		95
67) sec-Butylbenzene	9.47	105	2272373	186.538	ppb		94
68) p-Isopropyltoluene	9.61	119	1907991	192.634	ppb		97
69) 1,3-Dichlorobenzene	9.56	146	1030912	193.308	ppb		97
70) 1,4-Dichlorobenzene	9.65	146	995821	189.959	ppb		98
71) 1,2-Dichlorobenzene	10.01	146	1001549	195.390	ppb		95
72) 1,2-Dibromo-3-chloropr...	10.78	75	110895	200.193	ppb		90
73) 1,2,4-Trichlorobenzene	11.60	180	673562	213.960	ppb		82
74) Hexachlorobutadiene	11.78	225	340180	201.951	ppb		93
75) Naphthalene	11.84	128	1646126	230.881	ppb		98
76) 1,2,3-Trichlorobenzene	12.08	180	607652	221.511	ppb		97

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

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080332.D
Acq On : 04 Aug 2022 12:53 am
Operator : JCM
Sample : 200 ppb 8260 ICAL 67-43U
Misc : soil/water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:34:12 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (Not Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080334.D
Acq On : 04 Aug 2022 01:39 am
Operator : JCM
Sample : 10 ppb 8260 SCV 67-15A
Misc : soil/water
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS13

SCV EXPIRED 08/03,
LIGHT COMPOUNDS LOW RECOVERY -
REMAKE/REANALYZE SCV.
08/05/22 JCM

Quant Time: Aug 05 13:01:23 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	95016	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	71373	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	33937	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	26677	10.061	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.60%				
30) 1,2-Dichloroethane-d4	4.47	102	5439	9.572	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 95.70%				
35) Toluene-d8	6.11	98	95580	9.926	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 99.30%				
57) 4-Bromofluorobenzene	8.51	95	33500	10.087	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.90%				
Target Compounds							Qvalue
2) Ethanol	2.34	45	701	No Calib			
4) Dichlorodifluoromethane	1.13	85	495	0.150	ppb	#	40
5) Chloromethane	1.26	50	3685	1.198	ppb		98
6] Vinyl chloride	1.34	62	8000	2.581	ppb		96
7) Bromomethane	1.59	94	10037	5.181	ppb		91
8] Chloroethane	1.65	64	6006	5.531	ppb		94
9) Trichlorofluoromethane	1.84	101	14609	2.664	ppb		85
10) 2-Propanol	2.34	45	701	No Calib			
11) Acetone	2.34	58	16771	74.089	ppb	#	48
12] 1,1-Dichloroethene	2.28	96	22336	8.529	ppb		98
13) Hexane	3.17	57	25637	7.765	ppb		99
14) Methylene chloride	2.70	84	43767	10.949	ppb		93
15) t-Butyl alcohol (TBA)	2.83	59	16653	51.341	ppb		75
16] Methyl t-butyl ether (...	2.94	73	77116	9.809	ppb		93
17] trans-1,2-Dichloroethene	2.93	96	29229	9.376	ppb		93
18) Diisopropyl ether (DIPE)	3.36	45	69556	9.574	ppb		98
19] 1,1-Dichloroethane	3.29	63	47764	9.861	ppb		98
20) Ethyl t-butyl ether (E...	3.67	87	30863	9.836	ppb		85
21) 2,2-Dichloropropane	3.78	77	24686	9.033	ppb		88
22] cis-1,2-Dichloroethene	3.77	96	32724	9.996	ppb		95
23) Chloroform	4.05	83	48207	9.783	ppb		98
24) 2-Butanone (MEK)	3.80	43	67992	52.710	ppb		95
25) t-Amyl methyl ether (T...	4.62	73	70217	9.854	ppb		90
26] 1,2-Dichloroethane (EDC)	4.52	62	37864	10.268	ppb		98
27] 1,1,1-Trichloroethane	4.20	97	47762	10.179	ppb		98
28) 1,1-Dichloropropene	4.34	75	36018	10.217	ppb		92
29) Carbon tetrachloride	4.34	117	36491	9.605	ppb		95
31] Benzene	4.51	78	117041	9.933	ppb		98
32] Trichloroethene	5.06	95	34821	10.228	ppb		84
33) 1,2-Dichloropropane	5.25	63	25819	9.764	ppb		90
34) Bromodichloromethane	5.49	83	37313	9.992	ppb		97
36) Dibromomethane	5.35	93	18952	10.102	ppb	#	71
37) 4-Methyl-2-pentanone	6.03	85	24198	48.126	ppb		95
38) cis-1,3-Dichloropropene	5.88	75	42999	9.820	ppb		91
40] Toluene	6.17	92	74633	10.324	ppb		100
41) trans-1,3-Dichloropropene	6.37	75	39364	10.013	ppb		90

Quantitation Report (Not Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080334.D
Acq On : 04 Aug 2022 01:39 am
Operator : JCM
Sample : 10 ppb 8260 SCV 67-15A
Misc : soil/water
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:23 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

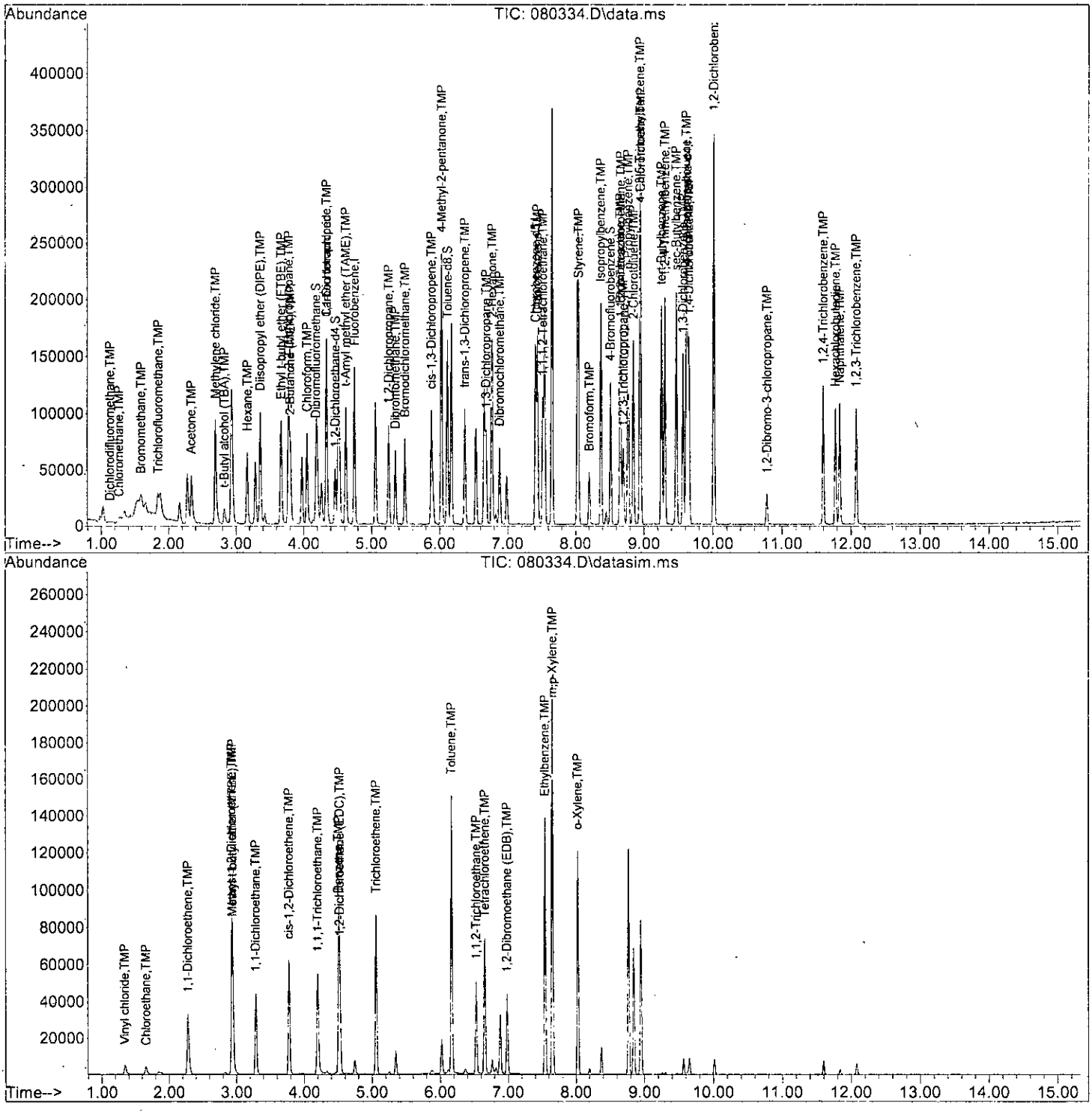
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	25089	10.089	ppb	#	67
43) 2-Hexanone	6.77	43	102943	54.996	ppb		96
44) 1,3-Dichloropropane	6.68	76	40094	10.423	ppb		98
45] Tetrachloroethene	6.66	164	25541	10.090	ppb		91
46) Dibromochloromethane	6.88	129	28845	9.965	ppb		100
47] 1,2-Dibromoethane (EDB)	6.98	107	30424	10.052	ppb		84
48) Chlorobenzene	7.43	112	70065	10.189	ppb		87
49] Ethylbenzene	7.54	91	142243	10.284	ppb		91
50) 1,1,1,2-Tetrachloroethane	7.51	131	25140	10.274	ppb		94
51] m,p-Xylene	7.65	106	103397	21.204	ppb		79
52] o-Xylene	8.02	106	51950	10.548	ppb		91
53) Styrene	8.04	104	70598	10.317	ppb		93
54) Isopropylbenzene	8.37	105	112515	10.155	ppb		96
55) Bromoform	8.21	173	17311	9.407	ppb		94
58) n-Propylbenzene	8.77	91	141008	11.169	ppb		84
59) Bromobenzene	8.66	156	28080	10.783	ppb	#	65
60) 1,3,5-Trimethylbenzene	8.94	105	91524	11.051	ppb		94
61) 1,1,2,2-Tetrachloroethane	8.66	83	34404	10.891	ppb		93
62) 1,2,3-Trichloropropane	8.70	75	24309	11.297	ppb		84
63) 2-Chlorotoluene	8.85	91	78800	11.048	ppb		85
64) 4-Chlorotoluene	8.95	91	91198	10.811	ppb		86
65) tert-Butylbenzene	9.25	119	80430	10.897	ppb		84
66) 1,2,4-Trimethylbenzene	9.30	105	94183	10.812	ppb		95
67) sec-Butylbenzene	9.47	105	120765	10.953	ppb		91
68) p-Isopropyltoluene	9.61	119	98687	11.008	ppb		96
69) 1,3-Dichlorobenzene	9.57	146	52266	10.828	ppb		96
70) 1,4-Dichlorobenzene	9.65	146	53278	11.229	ppb		95
71) 1,2-Dichlorobenzene	10.01	146	50315	10.845	ppb		94
72) 1,2-Dibromo-3-chloropr...	10.78	75	5688	11.345	ppb	#	73
73) 1,2,4-Trichlorobenzene	11.60	180	31100	10.915	ppb		80
74) Hexachlorobutadiene	11.78	225	16658	10.926	ppb		94
75) Naphthalene	11.84	128	73100	11.328	ppb		96
76) 1,2,3-Trichlorobenzene	12.08	180	27348	11.015	ppb		97

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

Quantitation Report (Not Reviewed)

Data Path : Z:\Proc_GCMS13\08-03-22\
Data File : 080334.D
Acq On : 04 Aug 2022 01:39 am
Operator : JCM
Sample : 10 ppb 8260 SCV 67-15A
Misc : soil/water
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:01:23 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-05-22\
Data File : 080510.D
Acq On : 05 Aug 2022 11:28 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46A
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

CHLOROETHANE ↑ ca. FLAG IF HIT. 08/05 RF

Quant Time: Aug 05 13:38:57 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	82	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.984	0.2	83	0.00
4	TMP	Dichlorodifluoromethane	10.000	10.117	-1.2	81	0.00
5	TMP	Chloromethane	10.000	9.648	3.5	83	0.00
6	TMP	Vinyl chloride	10.000	10.765	-7.7	85	0.00
7	TMP	Bromomethane	10.000	10.028	-0.3	86	0.00
8	TMP	Chloroethane	10.000	15.355	-53.6#	125	0.00
9	TMP	Trichlorofluoromethane	10.000	9.617	3.8	78	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.04
11	TMP	Acetone	50.000	50.870	-1.7	80	-0.01
12	TMP	1,1-Dichloroethene	10.000	11.261	-12.6	90	0.00
13	TMP	Hexane	10.000	10.034	-0.3	86	0.00
14	TMP	Methylene chloride	10.000	10.055	-0.5	83	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	52.106	-4.2	88	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.381	-3.8	83	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.316	-3.2	85	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	9.804	2.0	82	0.00
19	TMP	1,1-Dichloroethane	10.000	10.450	-4.5	85	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.903	1.0	80	0.00
21	TMP	2,2-Dichloropropane	10.000	11.917	-19.2	98	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.334	-3.3	85	0.00
23	TMP	Chloroform	10.000	9.967	0.3	87	0.00
24	TMP	2-Butanone (MEK)	50.000	49.336	1.3	87	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.992	0.1	81	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.512	-5.1	85	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.715	-7.1	87	0.00
28	TMP	1,1-Dichloropropene	10.000	10.830	-8.3	88	0.00
29	TMP	Carbon tetrachloride	10.000	10.335	-3.4	86	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.168	-1.7	84	0.00
31	TMP	Benzene	10.000	10.393	-3.9	86	0.00
32	TMP	Trichloroethene	10.000	10.276	-2.8	85	0.00
33	TMP	1,2-Dichloropropane	10.000	10.018	-0.2	86	0.00
34	TMP	Bromodichloromethane	10.000	9.864	1.4	85	0.00
35	S	Toluene-d8	10.000	10.127	-1.3	82	0.00
36	TMP	Dibromomethane	10.000	10.174	-1.7	86	0.00
37	TMP	4-Methyl-2-pentanone	50.000	46.470	7.1	80	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.910	0.9	86	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	83	0.00
40	TMP	Toluene	10.000	10.320	-3.2	85	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.660	3.4	82	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.932	0.7	84	0.00
43	TMP	2-Hexanone	50.000	47.870	4.3	82	0.00
44	TMP	1,3-Dichloropropane	10.000	10.354	-3.5	88	0.00
45	TMP	Tetrachloroethene	10.000	10.491	-4.9	88	0.00
46	TMP	Dibromochloromethane	10.000	9.813	1.9	86	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.825	1.8	85	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-05-22\
Data File : 080510.D
Acq On : 05 Aug 2022 11:28 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46A
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:38:57 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	10.000	9.919	0.8	84	0.00
49	TMP	Ethylbenzene	10.000	10.141	-1.4	85	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.272	-2.7	87	0.00
51	TMP	m,p-Xylene	20.000	21.040	-5.2	85	0.00
52	TMP	o-Xylene	10.000	10.318	-3.2	86	0.00
53	TMP	Styrene	10.000	10.125	-1.3	85	0.00
54	TMP	Isopropylbenzene	10.000	9.994	0.1	84	0.00
55	TMP	Bromoform	10.000	9.411	5.9	82	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	84	0.00
57	S	4-Bromofluorobenzene	10.000	9.540	4.6	81	0.00
58	TMP	n-Propylbenzene	10.000	10.247	-2.5	85	0.00
59	TMP	Bromobenzene	10.000	9.817	1.8	87	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.075	-0.7	83	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.799	2.0	84	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.349	-3.5	84	0.00
63	TMP	2-Chlorotoluene	10.000	10.127	-1.3	83	0.00
64	TMP	4-Chlorotoluene	10.000	9.911	0.9	86	0.00
65	TMP	tert-Butylbenzene	10.000	10.021	-0.2	85	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.773	2.3	83	0.00
67	TMP	sec-Butylbenzene	10.000	10.134	-1.3	85	0.00
68	TMP	p-Isopropyltoluene	10.000	10.172	-1.7	86	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.042	-0.4	84	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.382	-3.8	91	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.930	0.7	86	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.122	8.8	81	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.792	2.1	86	0.00
74	TMP	Hexachlorobutadiene	10.000	9.830	1.7	86	0.00
75	TMP	Naphthalene	10.000	9.263	7.4	81	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.455	5.4	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-05-22\
Data File : 080510.D
Acq On : 05 Aug 2022 11:28 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46A
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:39:49 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	82	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.279	0.279	0.0	83	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.351	-1.2	81	0.00
5	TMP	Chloromethane	0.324	0.312	3.7	83	0.00
6	TMP	Vinyl chloride	0.333	0.358	-7.5	85	0.00
7	TMP	Bromomethane	0.204	0.204	0.0	86	0.00
8	TMP	Chloroethane	0.114	0.175	-53.5#	125	0.00
9	TMP	Trichlorofluoromethane	0.577	0.555	3.8	78	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.04
11	TMP	Acetone	0.024	0.024	0.0	80	-0.01
12	TMP	1,1-Dichloroethene	0.276	0.310	-12.3	90	0.00
13	TMP	Hexane	0.347	0.349	-0.6	86	0.00
14	TMP	Methylene chloride	0.363	0.438	-20.7#	83	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.036	-5.9	88	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.859	-3.9	83	0.00
17	TMP	trans-1,2-Dichloroethene	0.328	0.338	-3.0	85	0.00
18	TMP	Diisopropyl ether (DIPE)	0.765	0.750	2.0	82	0.00
19	TMP	1,1-Dichloroethane	0.510	0.533	-4.5	85	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.327	0.9	80	0.00
21	TMP	2,2-Dichloropropane	0.288	0.343	-19.1	98	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.356	-3.2	85	0.00
23	TMP	Chloroform	0.519	0.517	0.4	87	0.00
24	TMP	2-Butanone (MEK)	0.136	0.134	1.5	87	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.749	0.1	81	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.408	6.0	85	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.529	-7.1	87	0.00
28	TMP	1,1-Dichloropropene	0.395	0.402	-1.8	88	0.00
29	TMP	Carbon tetrachloride	0.400	0.413	-3.2	86	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.061	-1.7	84	0.00
31	TMP	Benzene	1.240	1.289	-4.0	86	0.00
32	TMP	Trichloroethene	0.358	0.368	-2.8	85	0.00
33	TMP	1,2-Dichloropropane	0.278	0.279	-0.4	86	0.00
34	TMP	Bromodichloromethane	0.393	0.388	1.3	85	0.00
35	S	Toluene-d8	1.013	1.026	-1.3	82	0.00
36	TMP	Dibromomethane	0.197	0.201	-2.0	86	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.049	7.5	80	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.457	0.9	86	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	83	0.00
40	TMP	Toluene	1.071	1.045	2.4	85	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.532	3.4	82	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.346	0.6	84	0.00
43	TMP	2-Hexanone	0.262	0.251	4.2	82	0.00
44	TMP	1,3-Dichloropropane	0.539	0.558	-3.5	88	0.00
45	TMP	Tetrachloroethene	0.380	0.372	2.1	88	0.00
46	TMP	Dibromochloromethane	0.406	0.398	2.0	86	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.417	1.7	85	0.00

Evaluate Continuing Calibration Report

Data Path : Z:\Proc_GCMS13\08-05-22\
Data File : 080510.D
Acq On : 05 Aug 2022 11:28 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46A
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:39:49 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.956	0.7	84	0.00
49	TMP	Ethylbenzene	1.938	1.965	-1.4	85	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.352	-2.6	87	0.00
51	TMP	m,p-Xylene	0.711	0.719	-1.1	85	0.00
52	TMP	o-Xylene	0.690	0.712	-3.2	86	0.00
53	TMP	Styrene	0.959	0.971	-1.3	85	0.00
54	TMP	Isopropylbenzene	1.552	1.551	0.1	84	0.00
55	TMP	Bromoform	0.258	0.243	5.8	82	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
57	S	4-Bromofluorobenzene	0.979	0.934	4.6	81	0.00
58	TMP	n-Propylbenzene	3.720	3.812	-2.5	85	0.00
59	TMP	Bromobenzene	0.767	0.753	1.8	87	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.459	-0.8	83	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.912	2.0	84	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.656	-3.5	84	0.00
63	TMP	2-Chlorotoluene	2.102	2.128	-1.2	83	0.00
64	TMP	4-Chlorotoluene	2.486	2.464	0.9	86	0.00
65	TMP	tert-Butylbenzene	2.175	2.179	-0.2	85	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.508	2.3	83	0.00
67	TMP	sec-Butylbenzene	3.249	3.293	-1.4	85	0.00
68	TMP	p-Isopropyltoluene	2.642	2.687	-1.7	86	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.428	-0.4	84	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.452	-3.9	91	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.357	0.7	86	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.135	8.8	81	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.822	2.1	86	0.00
74	TMP	Hexachlorobutadiene	0.449	0.442	1.6	86	0.00
75	TMP	Naphthalene	1.902	1.761	7.4	81	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.692	5.5	83	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-05-22\
Data File : 080510.D
Acq On : 05 Aug 2022 11:28 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46A
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:39:49 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.75	96	81607	10.000 ppb	0.00
39) Chlorobenzene-d5	7.41	117	61773	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	31381	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	22737	9.984 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.80%		
30) 1,2-Dichloroethane-d4	4.46	102	4962	10.168 ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 101.70%		
35) Toluene-d8	6.11	98	83754	10.127 ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 101.30%		
57) 4-Bromofluorobenzene	8.52	95	29297	9.540 ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 95.40%		
Target Compounds					Qvalue
2) Ethanol	2.35	45	303	No Calib	
4) Dichlorodifluoromethane	1.12	85	28616	10.117 ppb	99
5) Chloromethane	1.26	50	25490	9.648 ppb	93
6] Vinyl chloride	1.34	62	29223	10.765 ppb	97
7) Bromomethane	1.60	94	16686	10.028 ppb	96
8] Chloroethane	1.65	64	14320	15.355 ppb	95
9) Trichlorofluoromethane	1.84	101	45299	9.617 ppb	81
10) 2-Propanol	2.38	45	73	No Calib	
11) Acetone	2.33	58	9890	50.870 ppb #	57
12] 1,1-Dichloroethene	2.28	96	25327	11.261 ppb	95
13) Hexane	3.17	57	28454	10.034 ppb	97
14) Methylene chloride	2.69	84	35721	10.055 ppb	90
15) t-Butyl alcohol (TBA)	2.82	59	14516	52.106 ppb	76
16] Methyl t-butyl ether (...	2.94	73	70094	10.381 ppb	95
17] trans-1,2-Dichloroethene	2.93	96	27619	10.316 ppb	93
18) Diisopropyl ether (DIPE)	3.36	45	61173	9.804 ppb	96
19] 1,1-Dichloroethane	3.29	63	43475	10.450 ppb	98
20) Ethyl t-butyl ether (E...	3.67	87	26688	9.903 ppb	84
21) 2,2-Dichloropropane	3.77	77	27971	11.917 ppb	88
22] cis-1,2-Dichloroethene	3.77	96	29056	10.334 ppb	94
23) Chloroform	4.05	83	42186	9.967 ppb	97
24) 2-Butanone (MEK)	3.80	43	54659	49.336 ppb	97
25) t-Amyl methyl ether (T...	4.62	73	61155	9.992 ppb	89
26] 1,2-Dichloroethane (EDC)	4.52	62	33292	10.512 ppb	99
27] 1,1,1-Trichloroethane	4.20	97	43182	10.715 ppb	98
28) 1,1-Dichloropropene	4.34	75	32776	10.830 ppb	84
29) Carbon tetrachloride	4.34	117	33724	10.335 ppb	86
31] Benzene	4.51	78	105185	10.393 ppb	98
32] Trichloroethene	5.06	95	30048	10.276 ppb	84
33) 1,2-Dichloropropane	5.25	63	22752	10.018 ppb	89
34) Bromodichloromethane	5.49	83	31637	9.864 ppb	95
36) Dibromomethane	5.35	93	16394	10.174 ppb #	73
37) 4-Methyl-2-pentanone	6.02	85	20068	46.470 ppb	92
38) cis-1,3-Dichloropropene	5.88	75	37268	9.910 ppb	87
40] Toluene	6.16	92	64570	10.320 ppb	98
41) trans-1,3-Dichloropropene	6.37	75	32866	9.660 ppb	94

Quantitation Report (QT Reviewed)

Data Path : Z:\Proc_GCMS13\08-05-22\
Data File : 080510.D
Acq On : 05 Aug 2022 11:28 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46A
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

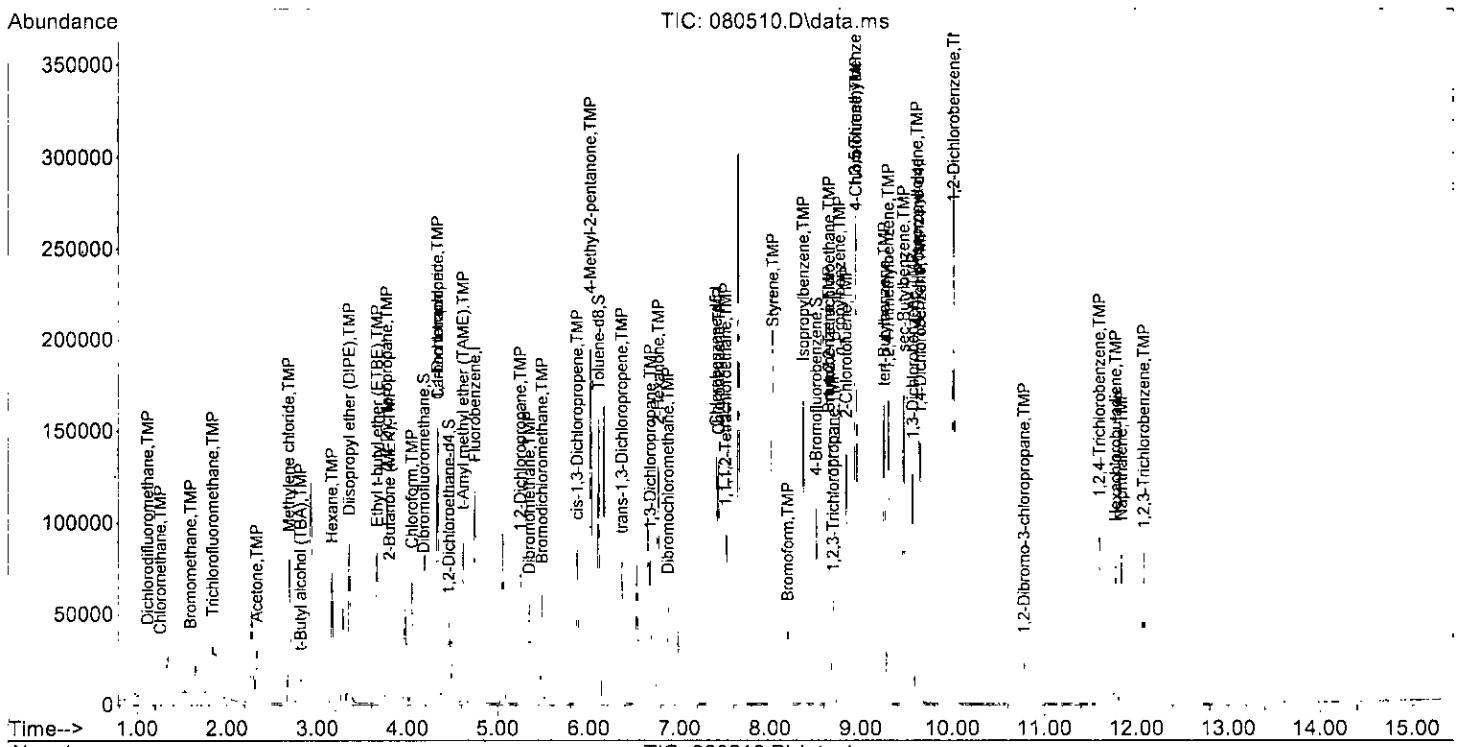
Quant Time: Aug 05 13:39:49 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

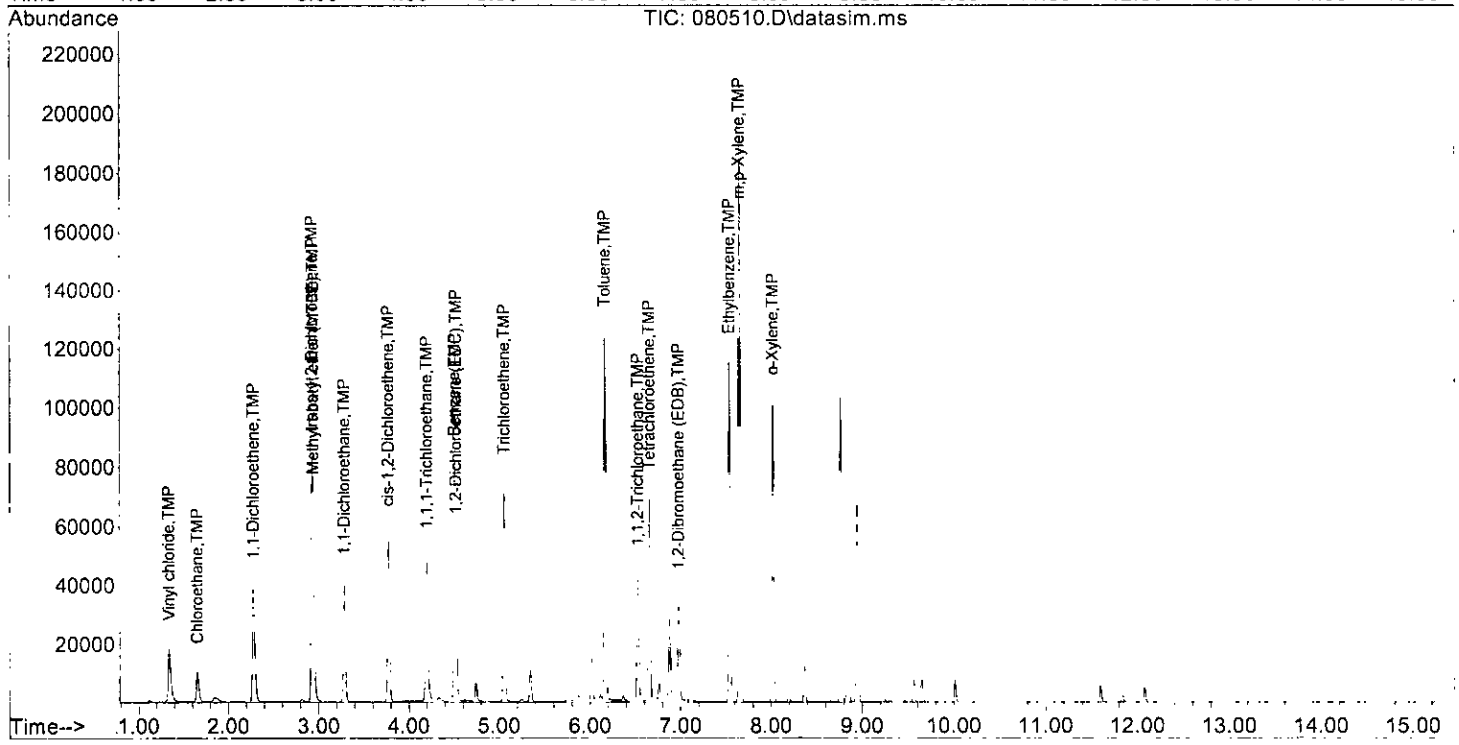
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	21377	9.932	ppb	#	62
43) 2-Hexanone	6.77	43	77552	47.870	ppb		96
44) 1,3-Dichloropropane	6.68	76	34471	10.354	ppb		98
45] Tetrachloroethene	6.65	164	22984	10.491	ppb		90
46) Dibromochloromethane	6.88	129	24584	9.813	ppb		85
47] 1,2-Dibromoethane (EDB)	6.98	107	25736	9.825	ppb		84
48) Chlorobenzene	7.44	112	59034	9.919	ppb		85
49] Ethylbenzene	7.54	91	121398	10.141	ppb		89
50) 1,1,1,2-Tetrachloroethane	7.51	131	21753	10.272	ppb		95
51] m,p-Xylene	7.65	106	88795	21.040	ppb	#	71
52] o-Xylene	8.02	106	43980	10.318	ppb		83
53) Styrene	8.04	104	59965	10.125	ppb		89
54) Isopropylbenzene	8.37	105	95836	9.994	ppb		96
55) Bromoform	8.20	173	14989	9.411	ppb		92
58) n-Propylbenzene	8.77	91	119622	10.247	ppb		82
59) Bromobenzene	8.65	156	23640	9.817	ppb	#	64
60) 1,3,5-Trimethylbenzene	8.94	105	77152	10.075	ppb		93
61) 1,1,2,2-Tetrachloroethane	8.66	83	28623	9.799	ppb		97
62) 1,2,3-Trichloropropane	8.70	75	20593	10.349	ppb		79
63) 2-Chlorotoluene	8.84	91	66786	10.127	ppb		85
64) 4-Chlorotoluene	8.95	91	77309	9.911	ppb		87
65) tert-Butylbenzene	9.26	119	68392	10.021	ppb		84
66) 1,2,4-Trimethylbenzene	9.30	105	78719	9.773	ppb		97
67) sec-Butylbenzene	9.47	105	103324	10.134	ppb		91
68) p-Isopropyltoluene	9.61	119	84324	10.172	ppb		97
69) 1,3-Dichlorobenzene	9.56	146	44821	10.042	ppb		94
70) 1,4-Dichlorobenzene	9.65	146	45551	10.382	ppb		97
71) 1,2-Dichlorobenzene	10.01	146	42599	9.930	ppb		94
72) 1,2-Dibromo-3-chloropr...	10.78	75	4229	9.122	ppb		82
73) 1,2,4-Trichlorobenzene	11.60	180	25800	9.792	ppb		87
74) Hexachlorobutadiene	11.78	225	13858	9.830	ppb		95
75) Naphthalene	11.84	128	55271	9.263	ppb		100
76) 1,2,3-Trichlorobenzene	12.08	180	21707	9.455	ppb		99

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

Data Path : Z:\Proc_GCMS13\08-05-22\
Data File : 080510.D
Acq On : 05 Aug 2022 11:28 am
Operator : RF
Sample : 10 ppb 8260 SCV 67-46A
Misc : water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 05 13:39:49 2022
Quant Method : Z:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





EPA 8260D
CCV Summaries

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS11\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 05:58 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 07:06:54 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	72	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.89#
3	S	Dibromofluoromethane	10.000	10.626	-6.3	77	0.00
4	TMP	Dichlorodifluoromethane	10.000	8.118	18.8	57	0.00
5	TMP	Chloromethane	10.000	9.598	4.0	67	0.00
6	TMP	Vinyl chloride	10.000	10.798	-8.0	73	0.00
7	TMP	Bromomethane	10.000	12.492	-24.9#	89	0.00
8	TMP	Chloroethane	10.000	11.260	-12.6	76	0.00
9	TMP	Trichlorofluoromethane	10.000	10.913	-9.1	78	-0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	50.000	46.410	7.2	67	0.00
12	TMP	1,1-Dichloroethene	10.000	10.817	-8.2	76	0.00
13	TMP	Hexane	10.000	10.394	-3.9	72	0.02
14	TMP	Methylene chloride	10.000	17.889	-78.9#	113	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	57.681	-15.4	79	0.02
16	TMP	Methyl t-butyl ether (MTBE)	10.000	11.070	-10.7	76	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	11.259	-12.6	76	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.604	-6.0	75	0.00
19	TMP	1,1-Dichloroethane	10.000	11.043	-10.4	77	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.654	-6.5	73	0.00
21	TMP	2,2-Dichloropropane	10.000	13.648	-36.5#	97	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	11.059	-10.6	77	0.00
23	TMP	Chloroform	10.000	11.113	-11.1	77	0.00
24	TMP	2-Butanone (MEK)	50.000	51.787	-3.6	73	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	11.118	-11.2	76	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	11.318	-13.2	77	0.00
27	TMP	1,1,1-Trichloroethane	10.000	11.724	-17.2	81	0.00
28	TMP	1,1-Dichloropropene	10.000	11.001	-10.0	77	0.00
29	TMP	Carbon tetrachloride	10.000	11.479	-14.8	81	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.789	2.1	69	0.00
31	TMP	Benzene	10.000	10.934	-9.3	75	0.00
32	TMP	Trichloroethene	10.000	10.771	-7.7	73	0.00
33	TMP	1,2-Dichloropropane	10.000	10.037	-0.4	72	0.00
34	TMP	Bromodichloromethane	10.000	11.026	-10.3	79	0.00
35	S	Toluene-d8	10.000	10.127	-1.3	73	0.00
36	TMP	Dibromomethane	10.000	11.130	-11.3	80	0.00
37	TMP	4-Methyl-2-pentanone	50.000	54.879	-9.8	76	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.874	-8.7	74	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	72	0.00
40	TMP	Toluene	10.000	11.348	-13.5	78	0.01
41	TMP	trans-1,3-Dichloropropene	10.000	10.623	-6.2	76	0.00
42	TMP	1,1,2-Trichloroethane	10.000	10.896	-9.0	75	0.00
43	TMP	2-Hexanone	50.000	54.485	-9.0	75	0.00
44	TMP	1,3-Dichloropropane	10.000	10.913	-9.1	76	0.00
45	TMP	Tetrachloroethene	10.000	11.481	-14.8	76	0.00
46	TMP	Dibromochloromethane	10.000	11.460	-14.6	77	0.01
47	TMP	1,2-Dibromoethane (EDB)	10.000	11.002	-10.0	78	0.00

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS11\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 05:58 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 07:06:54 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	10.000	10.751	-7.5	75	0.00
49	TMP	Ethylbenzene	10.000	11.180	-11.8	76	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	11.343	-13.4	79	0.00
51	TMP	m,p-Xylene	20.000	22.337	-11.7	76	0.00
52	TMP	o-Xylene	10.000	11.437	-14.4	78	0.00
53	TMP	Styrene	10.000	10.904	-9.0	75	0.00
54	TMP	Isopropylbenzene	10.000	11.007	-10.1	77	0.00
55	TMP	Bromoform	10.000	10.884	-8.8	78	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	74	0.00
57	S	4-Bromofluorobenzene	10.000	9.782	2.2	72	0.00
58	TMP	n-Propylbenzene	10.000	10.692	-6.9	76	0.00
59	TMP	Bromobenzene	10.000	10.814	-8.1	76	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.779	-7.8	77	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.771	-7.7	77	0.00
62	TMP	1,2,3-Trichloropropane	10.000	11.452	-14.5	78	0.00
63	TMP	2-Chlorotoluene	10.000	10.829	-8.3	77	0.00
64	TMP	4-Chlorotoluene	10.000	10.729	-7.3	75	0.00
65	TMP	tert-Butylbenzene	10.000	10.800	-8.0	76	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.601	-6.0	76	0.00
67	TMP	sec-Butylbenzene	10.000	10.781	-7.8	77	0.00
68	TMP	p-Isopropyltoluene	10.000	10.832	-8.3	77	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.669	-6.7	74	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.762	-7.6	77	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.686	-6.9	76	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.786	-7.9	83	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	10.753	-7.5	77	0.00
74	TMP	Hexachlorobutadiene	10.000	11.116	-11.2	78	0.00
75	TMP	Naphthalene	10.000	10.702	-7.0	79	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.686	-6.9	78	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS11\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 05:58 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 07:06:54 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	72	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.89#
3	S	Dibromofluoromethane	0.274	0.291	-6.2	77	0.00
4	TMP	Dichlorodifluoromethane	0.820	0.665	18.9	57	0.00
5	TMP	Chloromethane	0.866	0.831	4.0	67	0.00
6	TMP	Vinyl chloride	0.799	0.862	-7.9	73	0.00
7	TMP	Bromomethane	0.473	0.591	-24.9#	89	0.00
8	TMP	Chloroethane	0.404	0.455	-12.6	76	0.00
9	TMP	Trichlorofluoromethane	0.957	1.045	-9.2	78	-0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.025	0.023	8.0	67	0.00
12	TMP	1,1-Dichloroethene	0.273	0.295	-8.1	76	0.00
13	TMP	Hexane	0.415	0.432	-4.1	72	0.02
14	TMP	Methylene chloride	0.362	0.677	-87.0#	113	0.00
15	TMP	t-Butyl alcohol (TBA)	0.030	0.035	-16.7	79	0.02
16	TMP	Methyl t-butyl ether (MTBE)	0.753	0.834	-10.8	76	0.00
17	TMP	trans-1,2-Dichloroethene	0.315	0.325	-3.2	76	0.00
18	TMP	Diisopropyl ether (DIPE)	0.938	0.995	-6.1	75	0.00
19	TMP	1,1-Dichloroethane	0.541	0.598	-10.5	77	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.351	-6.4	73	0.00
21	TMP	2,2-Dichloropropane	0.319	0.406	-27.3#	97	0.00
22	TMP	cis-1,2-Dichloroethene	0.325	0.340	-4.6	77	0.00
23	TMP	Chloroform	0.491	0.546	-11.2	77	0.00
24	TMP	2-Butanone (MEK)	0.131	0.127	3.1	73	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.724	0.805	-11.2	76	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.457	0.443	3.1	77	0.00
27	TMP	1,1,1-Trichloroethane	0.450	0.528	-17.3	81	0.00
28	TMP	1,1-Dichloropropene	0.372	0.409	-9.9	77	0.00
29	TMP	Carbon tetrachloride	0.390	0.448	-14.9	81	0.00
30	S	1,2-Dichloroethane-d4	0.059	0.058	1.7	69	0.00
31	TMP	Benzene	1.115	1.164	-4.4	75	0.00
32	TMP	Trichloroethene	0.327	0.329	-0.6	73	0.00
33	TMP	1,2-Dichloropropane	0.287	0.288	-0.3	72	0.00
34	TMP	Bromodichloromethane	0.349	0.385	-10.3	79	0.00
35	S	Toluene-d8	0.962	0.974	-1.2	73	0.00
36	TMP	Dibromomethane	0.166	0.185	-11.4	80	0.00
37	TMP	4-Methyl-2-pentanone	0.041	0.045	-9.8	76	0.00
38	TMP	cis-1,3-Dichloropropene	0.394	0.428	-8.6	74	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	72	0.00
40	TMP	Toluene	1.046	0.970	7.3	78	0.01
41	TMP	trans-1,3-Dichloropropene	0.462	0.491	-6.3	76	0.00
42	TMP	1,1,2-Trichloroethane	0.250	0.273	-9.2	75	0.00
43	TMP	2-Hexanone	0.239	0.260	-8.8	75	0.00
44	TMP	1,3-Dichloropropane	0.444	0.485	-9.2	76	0.00
45	TMP	Tetrachloroethene	0.421	0.401	4.8	76	0.00
46	TMP	Dibromochloromethane	0.337	0.386	-14.5	77	0.01
47	TMP	1,2-Dibromoethane (EDB)	0.314	0.345	-9.9	78	0.00

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS11\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 05:58 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 07:06:54 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.977	1.050	-7.5	75	0.00
49	TMP	Ethylbenzene	1.708	1.790	-4.8	76	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.352	0.399	-13.4	79	0.00
51	TMP	m,p-Xylene	0.670	0.693	-3.4	76	0.00
52	TMP	o-Xylene	0.661	0.704	-6.5	78	0.00
53	TMP	Styrene	0.990	1.079	-9.0	75	0.00
54	TMP	Isopropylbenzene	1.609	1.771	-10.1	77	0.00
55	TMP	Bromoform	0.228	0.248	-8.8	78	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	74	0.00
57	S	4-Bromofluorobenzene	0.826	0.808	2.2	72	0.00
58	TMP	n-Propylbenzene	3.181	3.401	-6.9	76	0.00
59	TMP	Bromobenzene	0.791	0.855	-8.1	76	0.00
60	TMP	1,3,5-Trimethylbenzene	2.358	2.541	-7.8	77	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.648	0.698	-7.7	77	0.00
62	TMP	1,2,3-Trichloropropane	0.455	0.521	-14.5	78	0.00
63	TMP	2-Chlorotoluene	1.884	2.040	-8.3	77	0.00
64	TMP	4-Chlorotoluene	2.179	2.338	-7.3	75	0.00
65	TMP	tert-Butylbenzene	2.106	2.275	-8.0	76	0.00
66	TMP	1,2,4-Trimethylbenzene	2.427	2.572	-6.0	76	0.00
67	TMP	sec-Butylbenzene	3.077	3.317	-7.8	77	0.00
68	TMP	p-Isopropyltoluene	2.660	2.881	-8.3	77	0.00
69	TMP	1,3-Dichlorobenzene	1.487	1.586	-6.7	74	0.00
70	TMP	1,4-Dichlorobenzene	1.449	1.560	-7.7	77	0.00
71	TMP	1,2-Dichlorobenzene	1.454	1.553	-6.8	76	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.116	0.126	-8.6	83	0.00
73	TMP	1,2,4-Trichlorobenzene	1.101	1.184	-7.5	77	0.00
74	TMP	Hexachlorobutadiene	0.607	0.674	-11.0	78	0.00
75	TMP	Naphthalene	2.108	2.256	-7.0	79	0.00
76	TMP	1,2,3-Trichlorobenzene	0.986	1.054	-6.9	78	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : F:\Proc_GCMS11\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 05:58 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 07:06:54 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	52014	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	40300	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23901	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	15134	10.626	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.30%				
30) 1,2-Dichloroethane-d4	4.36	102	3019	9.789	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 97.90%				
35) Toluene-d8	5.98	98	50658	10.127	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 101.30%				
57) 4-Bromofluorobenzene	8.38	95	19319	9.782	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 97.80%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	34614	8.118	ppb		99
5) Chloromethane	1.23	50	43235	9.598	ppb		99
6] Vinyl chloride	1.30	62	44861	10.798	ppb		98
7) Bromomethane	1.53	94	30748	12.492	ppb		97
8] Chloroethane	1.59	64	23664	11.260	ppb		96
9) Trichlorofluoromethane	1.77	101	54342	10.913	ppb		98
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.26	58	6000	46.410	ppb		87
12] 1,1-Dichloroethene	2.19	96	15341	10.817	ppb		97
13) Hexane	3.05	57	22449	10.394	ppb		98
14) Methylene chloride	2.61	84	35236	17.889	ppb		95
15) t-Butyl alcohol (TBA)	2.74	59	9023	57.681	ppb		94
16] Methyl t-butyl ether (...	2.84	73	43378	11.070	ppb		99
17] trans-1,2-Dichloroethene	2.83	96	16890	11.259	ppb		94
18) Diisopropyl ether (DIPE)	3.24	45	51754	10.604	ppb		99
19] 1,1-Dichloroethane	3.18	63	31102	11.043	ppb		99
20) Ethyl t-butyl ether (E...	3.55	87	18263	10.654	ppb	#	86
21) 2,2-Dichloropropane	3.67	77	21135	13.648	ppb		92
22] cis-1,2-Dichloroethene	3.67	96	17659	11.059	ppb		97
23) Chloroform	3.95	83	28377	11.113	ppb		98
24) 2-Butanone (MEK)	3.71	43	33062	51.787	ppb		99
25) t-Amyl methyl ether (T...	4.49	73	41888	11.118	ppb		98
26] 1,2-Dichloroethane (EDC)	4.42	62	23057	11.318	ppb		99
27] 1,1,1-Trichloroethane	4.08	97	27451	11.724	ppb		98
28) 1,1-Dichloropropene	4.22	75	21283	11.001	ppb		96
29) Carbon tetrachloride	4.22	117	23312	11.479	ppb		96
31] Benzene	4.39	78	60521	10.934	ppb		98
32] Trichloroethene	4.93	95	17113	10.771	ppb		86
33) 1,2-Dichloropropane	5.13	63	15000	10.037	ppb		98
34) Bromodichloromethane	5.37	83	20011	11.026	ppb		97
36) Dibromomethane	5.23	93	9618	11.130	ppb		97
37) 4-Methyl-2-pentanone	5.91	85	11633	54.879	ppb		88
38) cis-1,3-Dichloropropene	5.75	75	22266	10.874	ppb		92
40] Toluene	6.04	92	39111	11.348	ppb		92
41) trans-1,3-Dichloropropene	6.25	75	19780	10.623	ppb		98

Quantitation Report (QT Reviewed)

Data Path : F:\Proc_GCMS11\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 05:58 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

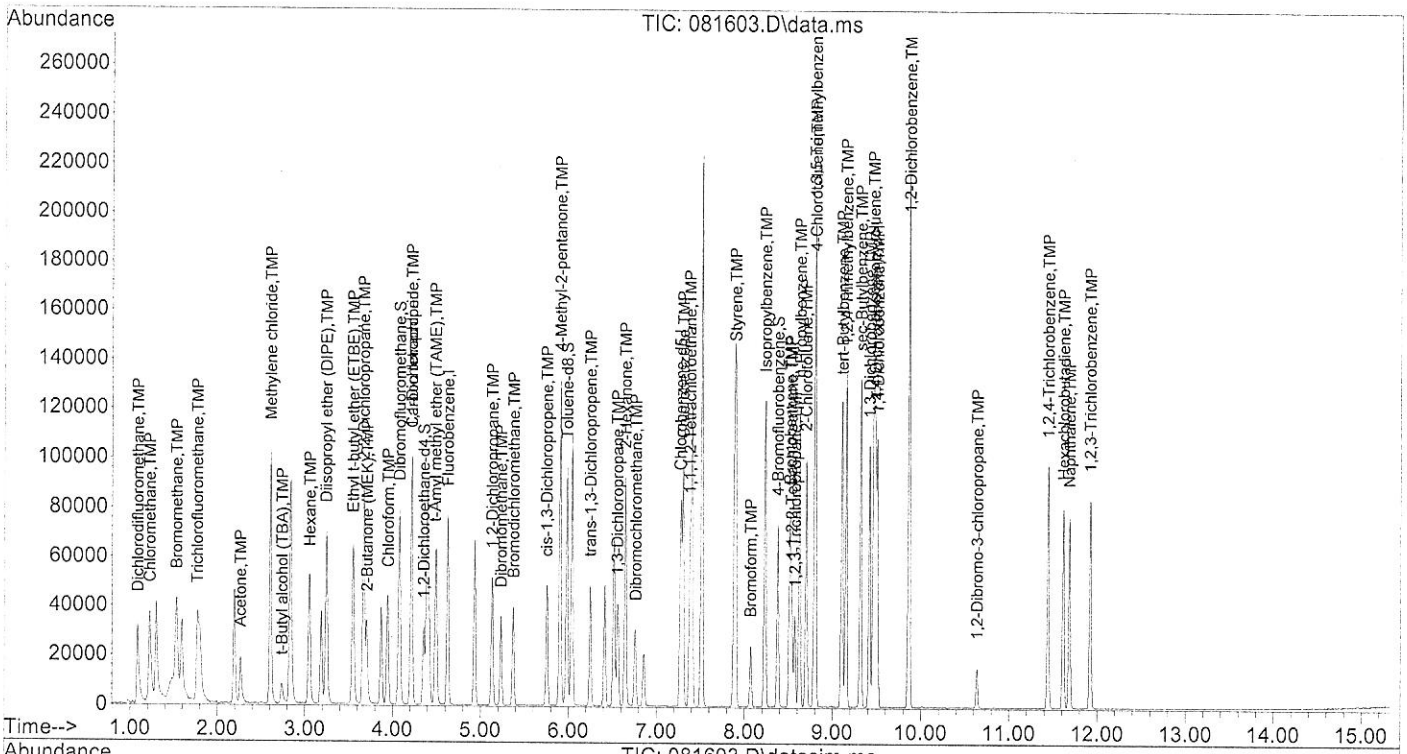
Quant Time: Aug 16 07:06:54 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

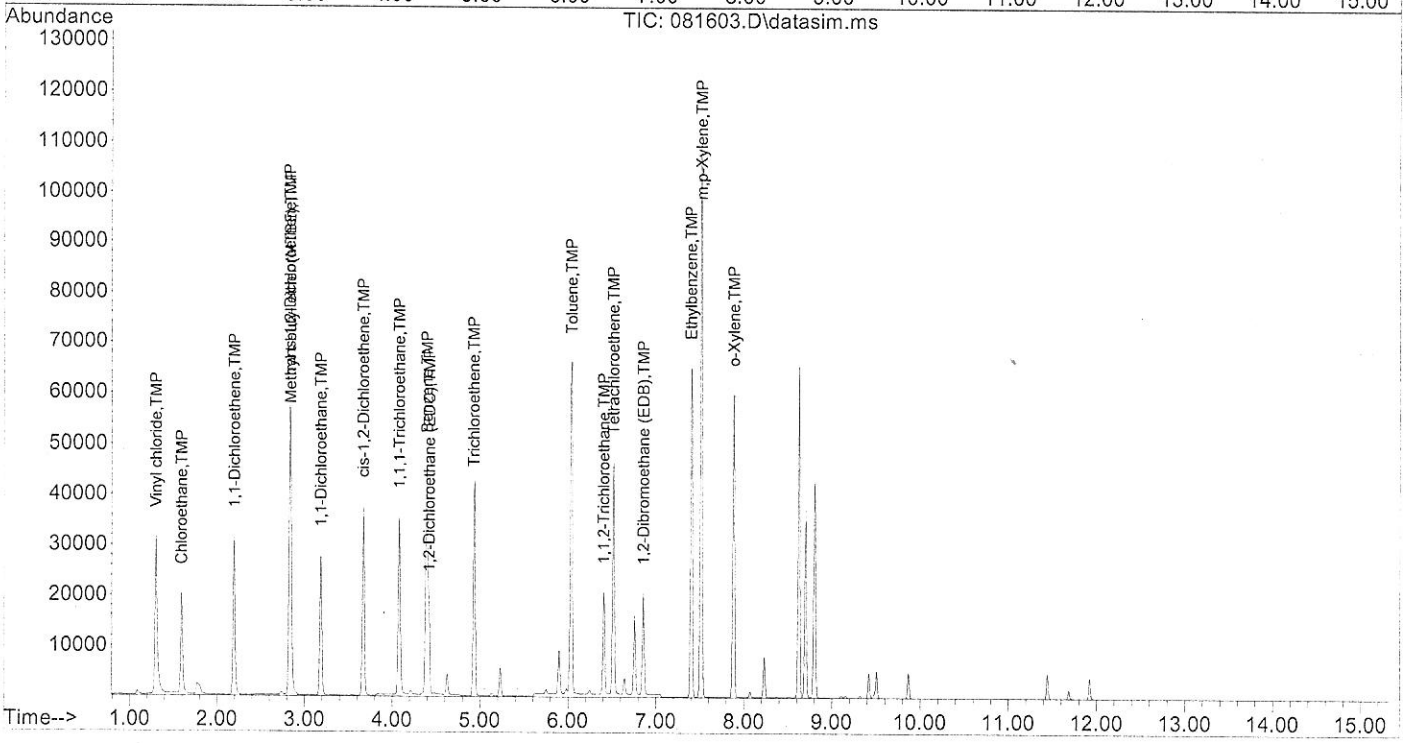
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.40	83	10989	10.896	ppb	97
43) 2-Hexanone	6.64	43	52441	54.485	ppb	97
44) 1,3-Dichloropropane	6.55	76	19535	10.913	ppb	98
45] Tetrachloroethene	6.51	164	16141	11.481	ppb	99
46) Dibromochloromethane	6.76	129	15545	11.460	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	13919	11.002	ppb	99
48) Chlorobenzene	7.30	112	42316	10.751	ppb	98
49] Ethylbenzene	7.40	91	72126	11.180	ppb	99
50) 1,1,1,2-Tetrachloroethane	7.38	131	16097	11.343	ppb	98
51] m,p-Xylene	7.52	106	55867	22.337	ppb	100
52] o-Xylene	7.88	106	28390	11.437	ppb	99
53) Styrene	7.90	104	43486	10.904	ppb	99
54) Isopropylbenzene	8.23	105	71380	11.007	ppb	97
55) Bromoform	8.07	173	10007	10.884	ppb	96
58) n-Propylbenzene	8.63	91	81290	10.692	ppb	98
59) Bromobenzene	8.52	156	20443	10.814	ppb	94
60) 1,3,5-Trimethylbenzene	8.80	105	60742	10.779	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	16684	10.771	ppb	97
62) 1,2,3-Trichloropropane	8.57	75	12462	11.452	ppb	96
63) 2-Chlorotoluene	8.70	91	48755	10.829	ppb	99
64) 4-Chlorotoluene	8.81	91	55872	10.729	ppb	98
65) tert-Butylbenzene	9.11	119	54369	10.800	ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	61482	10.601	ppb	99
67) sec-Butylbenzene	9.32	105	79278	10.781	ppb	99
68) p-Isopropyltoluene	9.46	119	68852	10.832	ppb	98
69) 1,3-Dichlorobenzene	9.42	146	37908	10.669	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	37279	10.762	ppb	95
71) 1,2-Dichlorobenzene	9.87	146	37125	10.686	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.64	75	3003	10.786	ppb	96
73) 1,2,4-Trichlorobenzene	11.44	180	28297	10.753	ppb	96
74) Hexachlorobutadiene	11.61	225	16118	11.116	ppb	94
75) Naphthalene	11.68	128	53913	10.702	ppb	97
76) 1,2,3-Trichlorobenzene	11.92	180	25192	10.686	ppb	98

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

Data Path : F:\Proc_GCMS11\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 05:58 am
Operator : RF
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 07:06:54 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS13\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 06:02 am
Operator : WE
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 07:07:13 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	53	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.408	-4.1	56	0.00
4	TMP	Dichlorodifluoromethane	10.000	9.170	8.3	47	-0.01
5	TMP	Chloromethane	10.000	9.787	2.1	54	-0.01
6	TMP	Vinyl chloride	10.000	10.292	-2.9	53	-0.01
7	TMP	Bromomethane	10.000	11.790	-17.9	65	-0.02
8	TMP	Chloroethane	10.000	11.921	-19.2	63	-0.02
9	TMP	Trichlorofluoromethane	10.000	9.859	1.4	52	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	50.000	50.379	-0.8	51	-0.01
12	TMP	1,1-Dichloroethene	10.000	10.815	-8.1	56	-0.01
13	TMP	Hexane	10.000	10.534	-5.3	59	0.00
14	TMP	Methylene chloride	10.000	18.208	-82.1#	79	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	50.226	-0.5	55	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.448	-4.5	54	-0.01
17	TMP	trans-1,2-Dichloroethene	10.000	10.418	-4.2	56	-0.01
18	TMP	Diisopropyl ether (DIPE)	10.000	9.925	0.7	54	0.00
19	TMP	1,1-Dichloroethane	10.000	10.448	-4.5	55	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.924	0.8	52	0.00
21	TMP	2,2-Dichloropropane	10.000	11.867	-18.7	63	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.407	-4.1	55	0.00
23	TMP	Chloroform	10.000	10.054	-0.5	57	0.00
24	TMP	2-Butanone (MEK)	50.000	49.569	0.9	56	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.754	2.5	51	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.937	-9.4	57	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.985	-9.8	58	0.00
28	TMP	1,1-Dichloropropene	10.000	10.527	-5.3	55	0.00
29	TMP	Carbon tetrachloride	10.000	10.719	-7.2	58	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.649	3.5	52	0.00
31	TMP	Benzene	10.000	10.349	-3.5	55	0.00
32	TMP	Trichloroethene	10.000	10.340	-3.4	55	0.00
33	TMP	1,2-Dichloropropane	10.000	9.902	1.0	55	0.00
34	TMP	Bromodichloromethane	10.000	9.967	0.3	56	0.00
35	S	Toluene-d8	10.000	10.290	-2.9	54	0.00
36	TMP	Dibromomethane	10.000	10.551	-5.5	58	0.00
37	TMP	4-Methyl-2-pentanone	50.000	44.377	11.2	49	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.826	1.7	55	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	57	0.00
40	TMP	Toluene	10.000	9.697	3.0	55	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.219	7.8	54	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.399	6.0	55	0.00
43	TMP	2-Hexanone	50.000	44.294	11.4	52	0.00
44	TMP	1,3-Dichloropropane	10.000	9.591	4.1	56	0.00
45	TMP	Tetrachloroethene	10.000	10.529	-5.3	61	0.00
46	TMP	Dibromochloromethane	10.000	9.726	2.7	59	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.481	5.2	57	0.00

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS13\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 06:02 am
Operator : WE
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 07:07:13 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	10.000	9.980	0.2	58	0.00
49	TMP	Ethylbenzene	10.000	9.542	4.6	55	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.899	1.0	58	0.00
51	TMP	m,p-Xylene	20.000	19.924	0.4	56	0.00
52	TMP	o-Xylene	10.000	9.771	2.3	56	0.00
53	TMP	Styrene	10.000	9.592	4.1	56	0.00
54	TMP	Isopropylbenzene	10.000	9.401	6.0	54	0.00
55	TMP	Bromoform	10.000	9.780	2.2	59	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	62	0.00
57	S	4-Bromofluorobenzene	10.000	8.781	12.2	55	0.00
58	TMP	n-Propylbenzene	10.000	8.991	10.1	54	0.00
59	TMP	Bromobenzene	10.000	9.672	3.3	63	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	8.920	10.8	54	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	8.715	12.9	55	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.047	9.5	54	0.00
63	TMP	2-Chlorotoluene	10.000	9.062	9.4	55	0.00
64	TMP	4-Chlorotoluene	10.000	8.781	12.2	55	0.00
65	TMP	tert-Butylbenzene	10.000	9.090	9.1	57	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	8.841	11.6	55	0.00
67	TMP	sec-Butylbenzene	10.000	8.995	10.1	56	0.00
68	TMP	p-Isopropyltoluene	10.000	9.310	6.9	57	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.396	6.0	58	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.786	2.1	63	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.216	7.8	59	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	8.718	12.8	57	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.299	7.0	60	0.00
74	TMP	Hexachlorobutadiene	10.000	10.038	-0.4	64	0.00
75	TMP	Naphthalene	10.000	8.859	11.4	57	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.040	9.6	58	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS13\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 06:02 am
Operator : WE
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 07:07:13 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	53	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.279	0.290	-3.9	56	0.00
4	TMP	Dichlorodifluoromethane	0.347	0.318	8.4	47#	-0.01
5	TMP	Chloromethane	0.324	0.317	2.2	54	-0.01
6	TMP	Vinyl chloride	0.333	0.342	-2.7	53	-0.01
7	TMP	Bromomethane	0.204	0.240	-17.6	65	-0.02
8	TMP	Chloroethane	0.114	0.136	-19.3	63	-0.02
9	TMP	Trichlorofluoromethane	0.577	0.569	1.4	52	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.024	0.024	0.0	51	-0.01
12	TMP	1,1-Dichloroethene	0.276	0.298	-8.0	56	-0.01
13	TMP	Hexane	0.347	0.366	-5.5	59	0.00
14	TMP	Methylene chloride	0.363	0.647	-78.2#	79	0.00
15	TMP	t-Butyl alcohol (TBA)	0.034	0.034	0.0	55	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.827	0.865	-4.6	54	-0.01
17	TMP	trans-1,2-Dichloroethene	0.328	0.342	-4.3	56	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.765	0.759	0.8	54	0.00
19	TMP	1,1-Dichloroethane	0.510	0.533	-4.5	55	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.330	0.328	0.6	52	0.00
21	TMP	2,2-Dichloropropane	0.288	0.341	-18.4	63	0.00
22	TMP	cis-1,2-Dichloroethene	0.345	0.359	-4.1	55	0.00
23	TMP	Chloroform	0.519	0.521	-0.4	57	0.00
24	TMP	2-Butanone (MEK)	0.136	0.135	0.7	56	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.750	0.732	2.4	51	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.434	0.424	2.3	57	0.00
27	TMP	1,1,1-Trichloroethane	0.494	0.542	-9.7	58	0.00
28	TMP	1,1-Dichloropropene	0.395	0.390	1.3	55	0.00
29	TMP	Carbon tetrachloride	0.400	0.429	-7.2	58	0.00
30	S	1,2-Dichloroethane-d4	0.060	0.058	3.3	52	0.00
31	TMP	Benzene	1.240	1.283	-3.5	55	0.00
32	TMP	Trichloroethene	0.358	0.370	-3.4	55	0.00
33	TMP	1,2-Dichloropropane	0.278	0.276	0.7	55	0.00
34	TMP	Bromodichloromethane	0.393	0.392	0.3	56	0.00
35	S	Toluene-d8	1.013	1.043	-3.0	54	0.00
36	TMP	Dibromomethane	0.197	0.208	-5.6	58	0.00
37	TMP	4-Methyl-2-pentanone	0.053	0.047	11.3	49#	0.00
38	TMP	cis-1,3-Dichloropropene	0.461	0.453	1.7	55	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	57	0.00
40	TMP	Toluene	1.071	0.982	8.3	55	0.00
41	TMP	trans-1,3-Dichloropropene	0.551	0.508	7.8	54	0.00
42	TMP	1,1,2-Trichloroethane	0.348	0.327	6.0	55	0.00
43	TMP	2-Hexanone	0.262	0.232	11.5	52	0.00
44	TMP	1,3-Dichloropropane	0.539	0.517	4.1	56	0.00
45	TMP	Tetrachloroethene	0.380	0.373	1.8	61	0.00
46	TMP	Dibromochloromethane	0.406	0.394	3.0	59	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.424	0.402	5.2	57	0.00

Evaluate Continuing Calibration Report

Data Path : F:\Proc_GCMS13\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 06:02 am
Operator : WE
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 07:07:13 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	TMP	Chlorobenzene	0.963	0.961	0.2	58	0.00
49	TMP	Ethylbenzene	1.938	1.849	4.6	55	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.343	0.339	1.2	58	0.00
51	TMP	m,p-Xylene	0.711	0.681	4.2	56	0.00
52	TMP	o-Xylene	0.690	0.674	2.3	56	0.00
53	TMP	Styrene	0.959	0.920	4.1	56	0.00
54	TMP	Isopropylbenzene	1.552	1.459	6.0	54	0.00
55	TMP	Bromoform	0.258	0.252	2.3	59	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	62	0.00
57	S	4-Bromofluorobenzene	0.979	0.859	12.3	55	0.00
58	TMP	n-Propylbenzene	3.720	3.345	10.1	54	0.00
59	TMP	Bromobenzene	0.767	0.742	3.3	63	0.00
60	TMP	1,3,5-Trimethylbenzene	2.440	2.177	10.8	54	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.931	0.811	12.9	55	0.00
62	TMP	1,2,3-Trichloropropane	0.634	0.574	9.5	54	0.00
63	TMP	2-Chlorotoluene	2.102	1.904	9.4	55	0.00
64	TMP	4-Chlorotoluene	2.486	2.183	12.2	55	0.00
65	TMP	tert-Butylbenzene	2.175	1.977	9.1	57	0.00
66	TMP	1,2,4-Trimethylbenzene	2.567	2.269	11.6	55	0.00
67	TMP	sec-Butylbenzene	3.249	2.922	10.1	56	0.00
68	TMP	p-Isopropyltoluene	2.642	2.459	6.9	57	0.00
69	TMP	1,3-Dichlorobenzene	1.422	1.336	6.0	58	0.00
70	TMP	1,4-Dichlorobenzene	1.398	1.368	2.1	63	0.00
71	TMP	1,2-Dichlorobenzene	1.367	1.260	7.8	59	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.148	0.129	12.8	57	0.00
73	TMP	1,2,4-Trichlorobenzene	0.840	0.781	7.0	60	0.00
74	TMP	Hexachlorobutadiene	0.449	0.451	-0.4	64	0.00
75	TMP	Naphthalene	1.902	1.685	11.4	57	0.00
76	TMP	1,2,3-Trichlorobenzene	0.732	0.661	9.7	58	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : F:\Proc_GCMS13\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 06:02 am
Operator : WE
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 07:07:13 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	52858	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	42571	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	22983	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	15353	10.408	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.10%				
30) 1,2-Dichloroethane-d4	4.46	102	3050	9.649	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 96.50%				
35) Toluene-d8	6.11	98	55121	10.290	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 102.90%				
57) 4-Bromofluorobenzene	8.52	95	19750	8.781	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 87.80%				
Target Compounds							Qvalue
2) Ethanol	2.34	45	242	No Calib			
4) Dichlorodifluoromethane	1.11	85	16799	9.170	ppb		98
5) Chloromethane	1.26	50	16748	9.787	ppb		86
6] Vinyl chloride	1.33	62	18096	10.292	ppb		98
7) Bromomethane	1.58	94	12707	11.790	ppb		98
8] Chloroethane	1.64	64	7201	11.921	ppb		92
9) Trichlorofluoromethane	1.84	101	30079	9.859	ppb		81
10) 2-Propanol	2.34	45	242	No Calib			
11) Acetone	2.33	58	6344	50.379	ppb	#	61
12] 1,1-Dichloroethene	2.27	96	15756	10.815	ppb		96
13) Hexane	3.16	57	19349	10.534	ppb		98
14) Methylene chloride	2.69	84	34211	18.208	ppb		95
15) t-Butyl alcohol (TBA)	2.82	59	9063	50.226	ppb		93
16] Methyl t-butyl ether (...	2.93	73	45698	10.448	ppb		94
17] trans-1,2-Dichloroethene	2.92	96	18066	10.418	ppb		93
18) Diisopropyl ether (DIPE)	3.35	45	40113	9.925	ppb		95
19] 1,1-Dichloroethane	3.28	63	28152	10.448	ppb		99
20) Ethyl t-butyl ether (E...	3.66	87	17322	9.924	ppb	#	83
21) 2,2-Dichloropropane	3.77	77	18042	11.867	ppb		85
22] cis-1,2-Dichloroethene	3.77	96	18952	10.407	ppb		97
23) Chloroform	4.05	83	27563	10.054	ppb		94
24) 2-Butanone (MEK)	3.80	43	35570	49.569	ppb		96
25) t-Amyl methyl ether (T...	4.62	73	38666	9.754	ppb		94
26] 1,2-Dichloroethane (EDC)	4.52	62	22433	10.937	ppb		100
27] 1,1,1-Trichloroethane	4.19	97	28673	10.985	ppb		96
28) 1,1-Dichloropropene	4.34	75	20640	10.527	ppb		90
29) Carbon tetrachloride	4.33	117	22654	10.719	ppb		92
31] Benzene	4.50	78	67841	10.349	ppb		99
32] Trichloroethene	5.05	95	19583	10.340	ppb	#	79
33) 1,2-Dichloropropane	5.25	63	14567	9.902	ppb		90
34) Bromodichloromethane	5.48	83	20706	9.967	ppb		98
36) Dibromomethane	5.34	93	11012	10.551	ppb	#	75
37) 4-Methyl-2-pentanone	6.02	85	12413	44.377	ppb	#	84
38) cis-1,3-Dichloropropene	5.88	75	23934	9.826	ppb		93
40] Toluene	6.16	92	41815	9.697	ppb		99
41) trans-1,3-Dichloropropene	6.37	75	21616	9.219	ppb		96

Quantitation Report (QT Reviewed)

Data Path : F:\Proc_GCMS13\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 06:02 am
Operator : WE
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 07:07:13 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

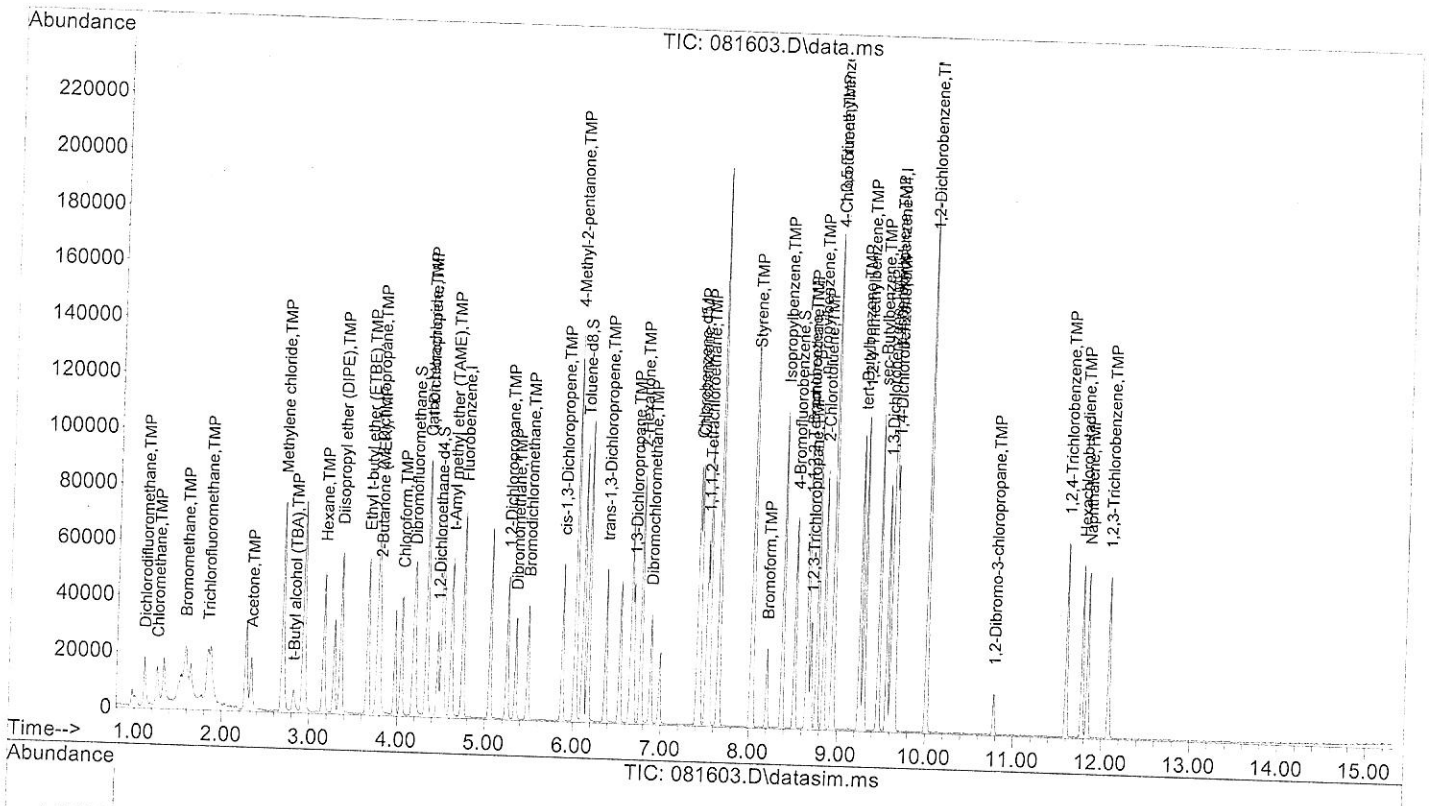
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	13942	9.399	ppb	#	64
43) 2-Hexanone	6.77	43	49453	44.294	ppb		97
44) 1,3-Dichloropropane	6.68	76	22006	9.591	ppb		96
45] Tetrachloroethene	6.65	164	15896	10.529	ppb		92
46) Dibromochloromethane	6.88	129	16791	9.726	ppb		92
47] 1,2-Dibromoethane (EDB)	6.98	107	17115	9.481	ppb		84
48) Chlorobenzene	7.43	112	40932	9.980	ppb		85
49] Ethylbenzene	7.54	91	78720	9.542	ppb		89
50) 1,1,1,2-Tetrachloroethane	7.51	131	14448	9.899	ppb		92
51] m,p-Xylene	7.65	106	57951	19.924	ppb	#	72
52] o-Xylene	8.02	106	28701	9.771	ppb		85
53) Styrene	8.04	104	39149	9.592	ppb		91
54) Isopropylbenzene	8.37	105	62126	9.401	ppb		93
55) Bromoform	8.20	173	10735	9.780	ppb		96
58) n-Propylbenzene	8.77	91	76872	8.991	ppb		86
59) Bromobenzene	8.65	156	17057	9.672	ppb	#	78
60) 1,3,5-Trimethylbenzene	8.94	105	50026	8.920	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.66	83	18644	8.715	ppb		98
62) 1,2,3-Trichloropropane	8.70	75	13185	9.047	ppb		81
63) 2-Chlorotoluene	8.84	91	43770	9.062	ppb		90
64) 4-Chlorotoluene	8.95	91	50162	8.781	ppb		89
65) tert-Butylbenzene	9.26	119	45438	9.090	ppb		87
66) 1,2,4-Trimethylbenzene	9.30	105	52156	8.841	ppb		93
67) sec-Butylbenzene	9.47	105	67165	8.995	ppb		91
68) p-Isopropyltoluene	9.61	119	56522	9.310	ppb		96
69) 1,3-Dichlorobenzene	9.56	146	30716	9.396	ppb		95
70) 1,4-Dichlorobenzene	9.65	146	31446	9.786	ppb		98
71) 1,2-Dichlorobenzene	10.01	146	28956	9.216	ppb		95
72) 1,2-Dibromo-3-chloropr...	10.78	75	2960	8.718	ppb		82
73) 1,2,4-Trichlorobenzene	11.60	180	17943	9.299	ppb		88
74) Hexachlorobutadiene	11.78	225	10364	10.038	ppb		89
75) Naphthalene	11.84	128	38717	8.859	ppb		97
76) 1,2,3-Trichlorobenzene	12.08	180	15200	9.040	ppb		99

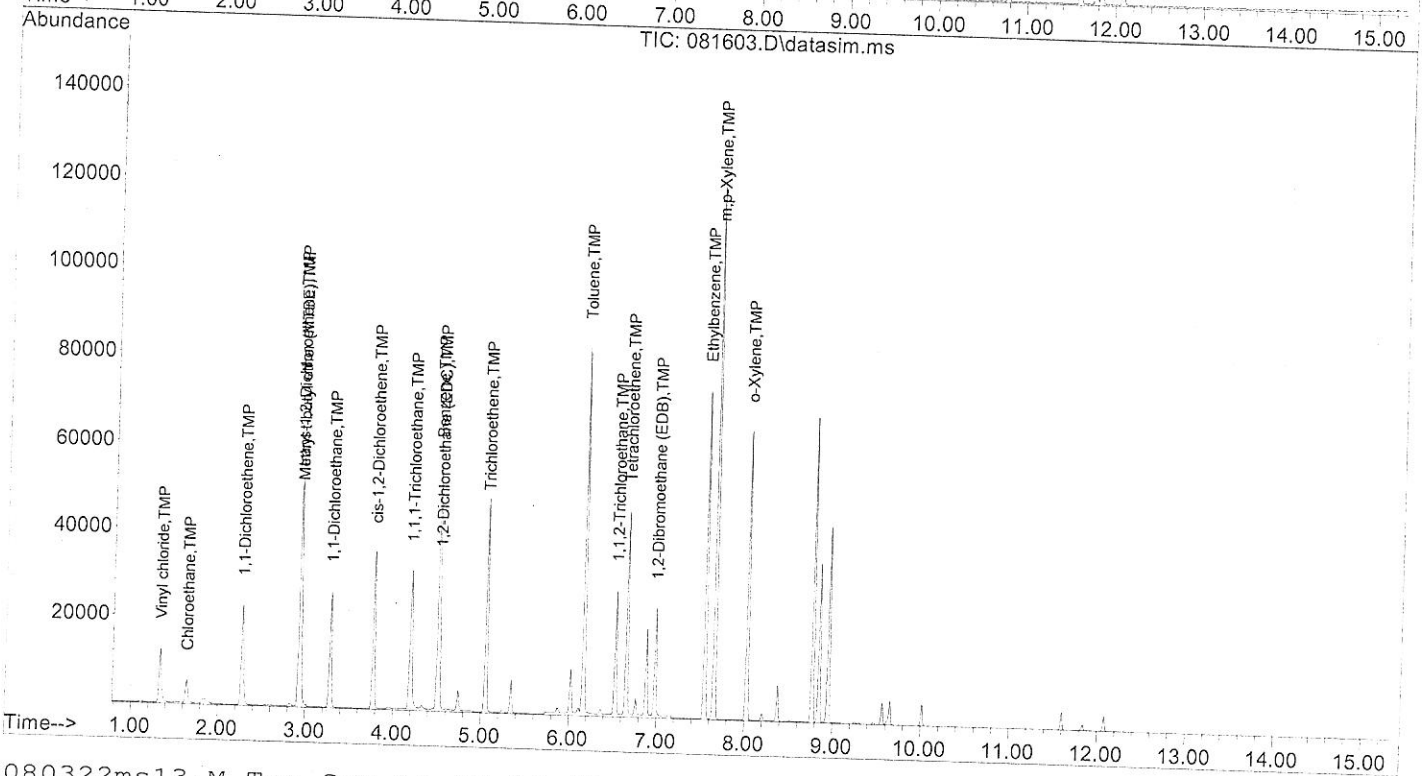
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : F:\Proc_GCMS13\08-16-22\
Data File : 081603.D
Acq On : 16 Aug 2022 06:02 am
Operator : WE
Sample : 10 ppb 8260 CCV 67-43N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 07:07:13 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





EPA 8260D
Quality Assurance Data

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081608.D
Acq On : 16 Aug 2022 07:50 am
Operator : RF
Sample : 02-1924 mb 1/0.25
Misc : soil
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

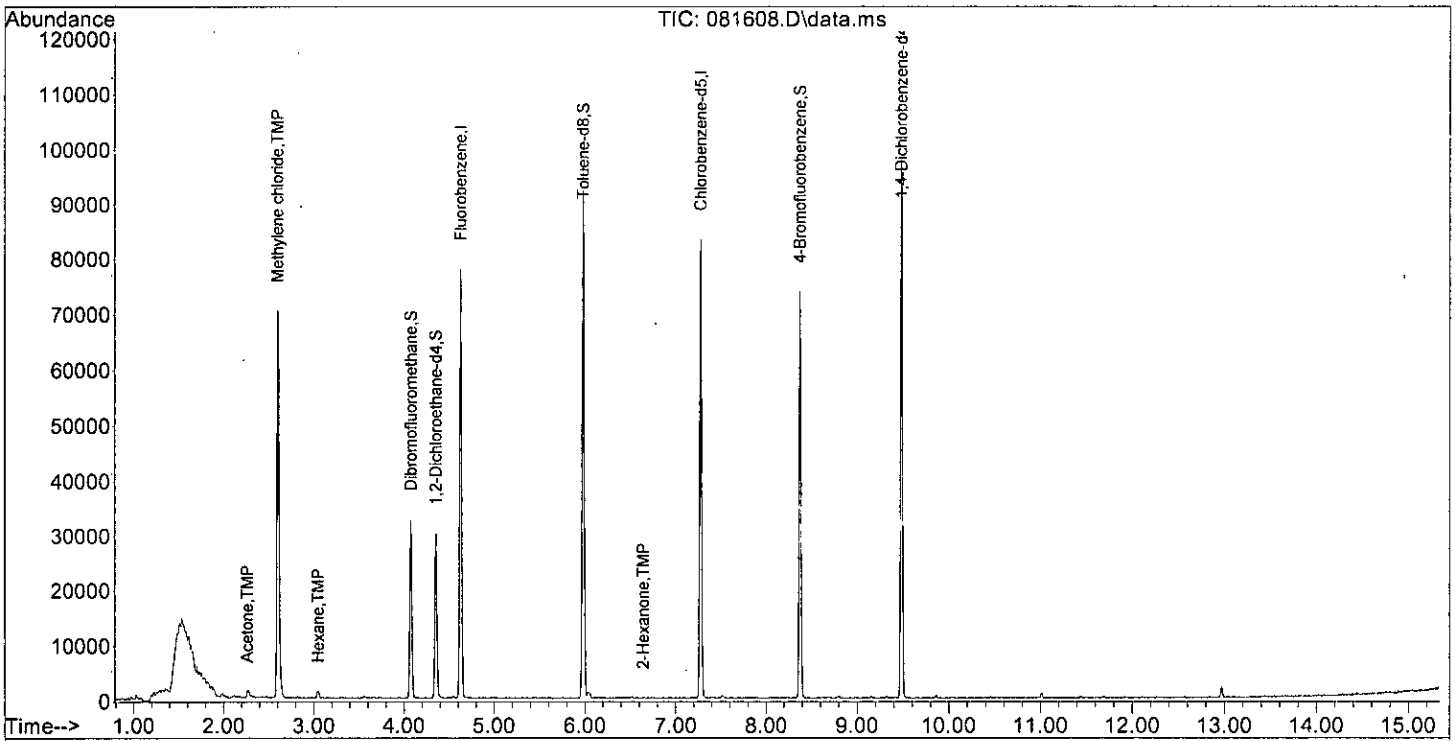
Quant Time: Aug 16 17:32:02 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

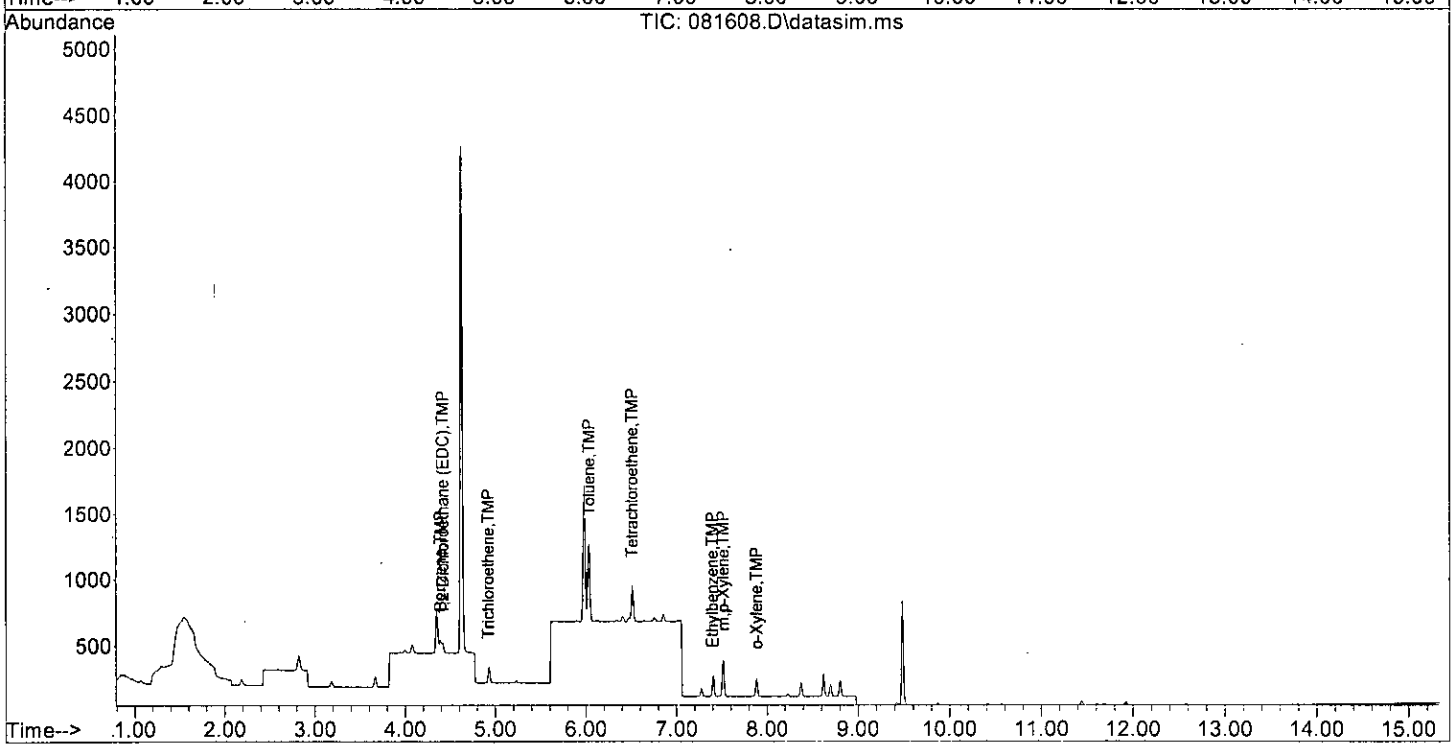
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	52799	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	41016	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23749	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	15429	10.672 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.70%		
30) 1,2-Dichloroethane-d4	4.36	102	3232	10.324 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 103.20%		
35) Toluene-d8	5.98	98	50565	9.958 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 99.60%		
57) 4-Bromofluorobenzene	8.38	95	19231	9.800 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 98.00%		
Target Compounds					Qvalue
11) Acetone	2.26	58	434	2.056 ppb #	85
13) Hexane	3.05	57	508	0.232 ppb	85
14) Methylene chloride	2.60	84	26442	11.982 ppb	98
24) 2-Butanone (MEK)	3.71	43	264	Below Cal	59
26] 1,2-Dichloroethane (EDC)	4.42	62	92	0.019 ppb	98
31] Benzene	4.39	78	121	0.014 ppb	98
32] Trichloroethene	4.93	95	126	0.068 ppb	84
40] Toluene	6.04	92	350	0.032 ppb	94
43) 2-Hexanone	6.64	43	100	0.102 ppb #	38
45] Tetrachloroethene	6.51	164	96	0.036 ppb	97
49] Ethylbenzene	7.40	91	168	0.016 ppb	97
51] m,p-Xylene	7.52	106	139	0.031 ppb	97
52] o-Xylene	7.88	106	65	0.015 ppb	100

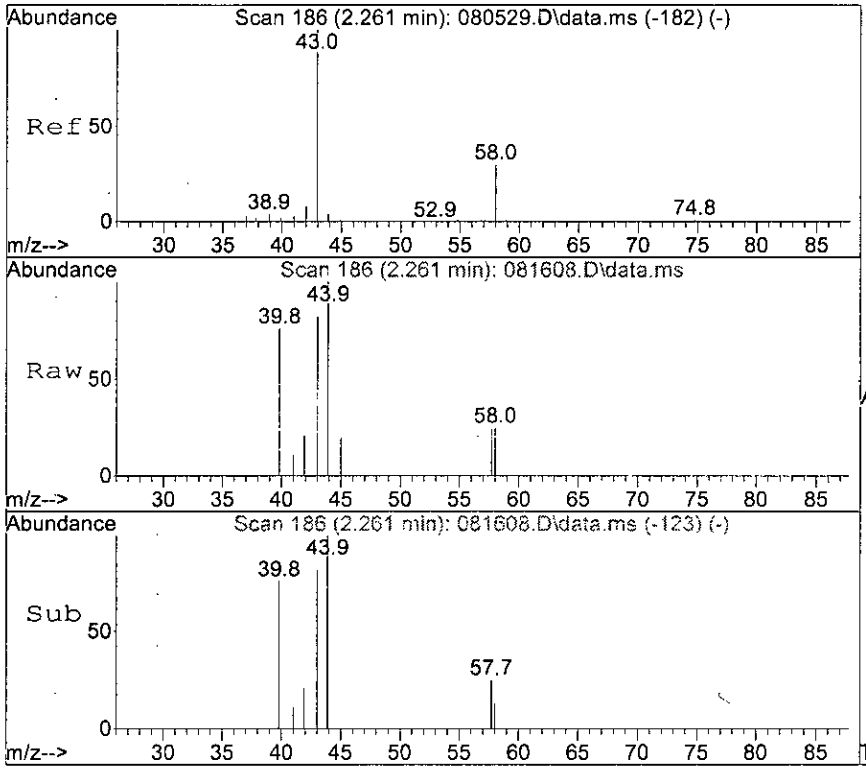
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081608.D
Acq On : 16 Aug 2022 07:50 am
Operator : RF
Sample : 02-1924 mb 1/0.25
Misc : soil
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 17:32:02 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



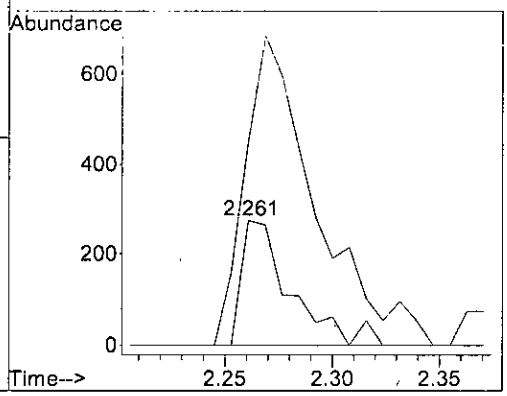


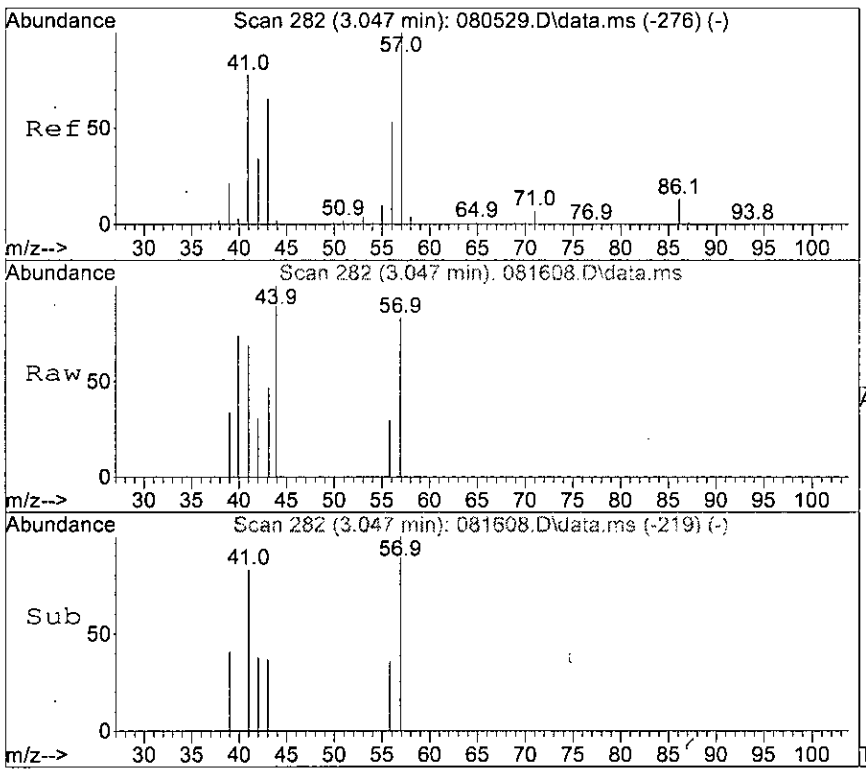


#11
Acetone
Concen: 2.056 ppb
RT: 2.26 min Scan# 186
Delta R.T. 0.008 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion: 58 Resp: 434

Ion	Ratio	Lower	Upper
58	100		
43	359.9	298.5	358.5#

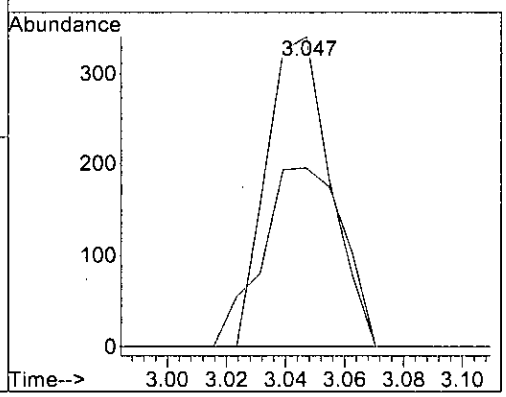


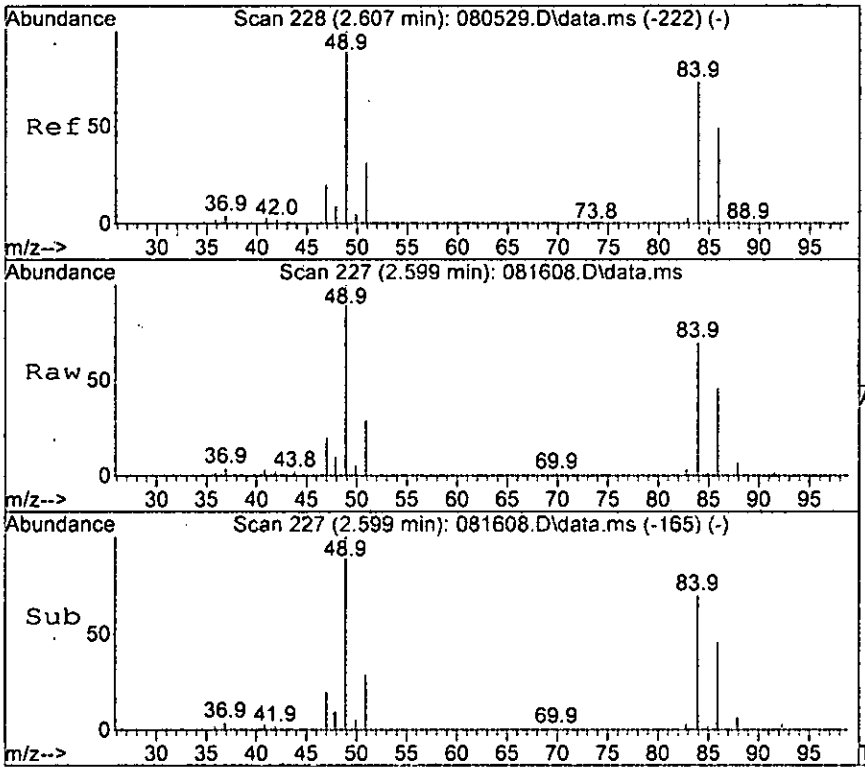


#13
Hexane
Concen: 0.232 ppb
RT: 3.05 min Scan# 282
Delta R.T. 0.008 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion: 57 Resp: 508

Ion	Ratio	Lower	Upper
57	100		
43	57.2	35.4	95.4
86	0.0	0.0	45.4

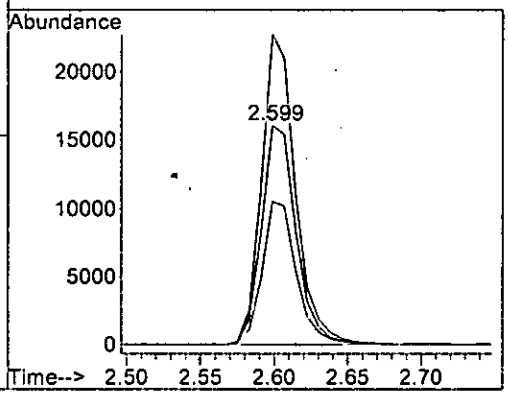


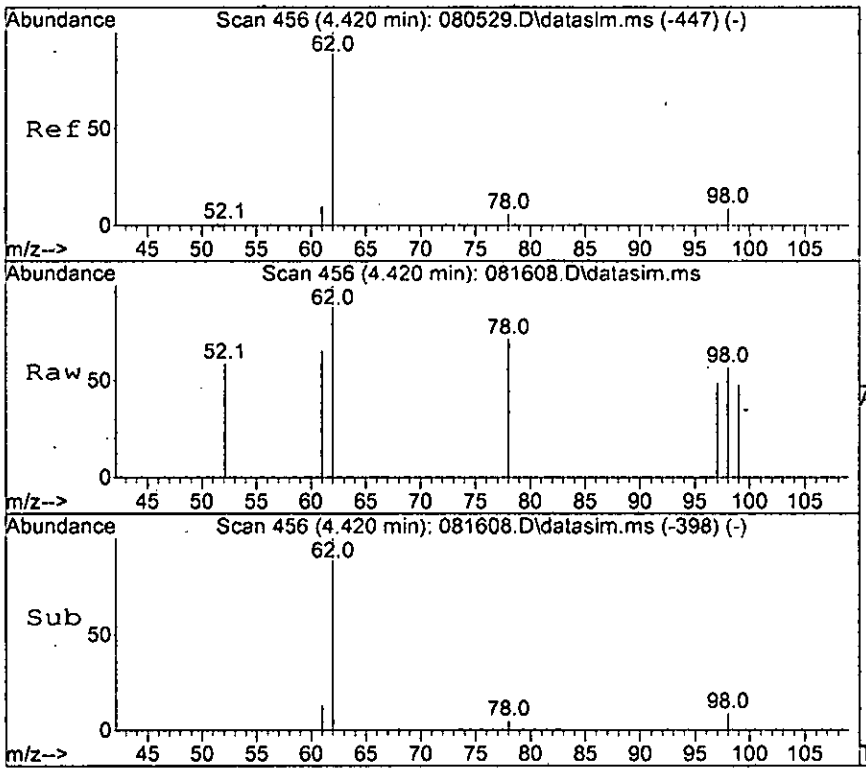


#14
Methylene chloride
Concen: 11.982 ppb
RT: 2.60 min Scan# 227
Delta R.T. -0.000 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion: 84 Resp: 26442

Ion	Ratio	Lower	Upper
84	100		
86	65.6	38.7	98.7
49	142.1	114.1	174.1

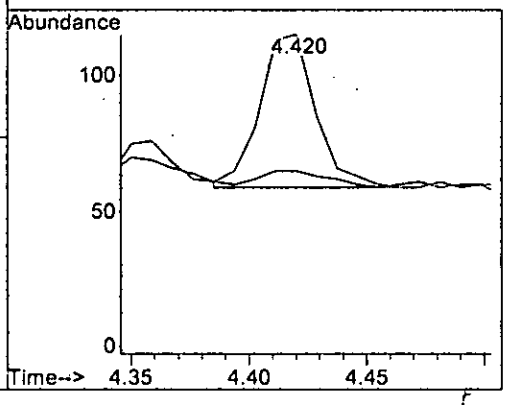


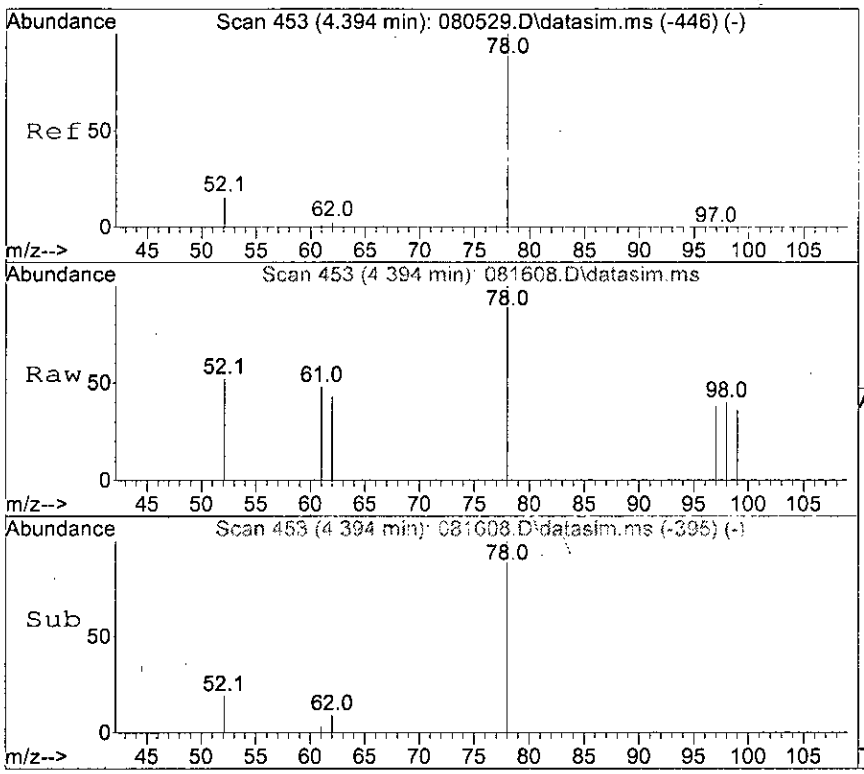


#26
1,2-Dichloroethane (EDC)
Concen: 0.019 ppb
RT: 4.42 min Scan# 456
Delta R.T. 0.009 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion: 62 Resp: 92

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	38.1

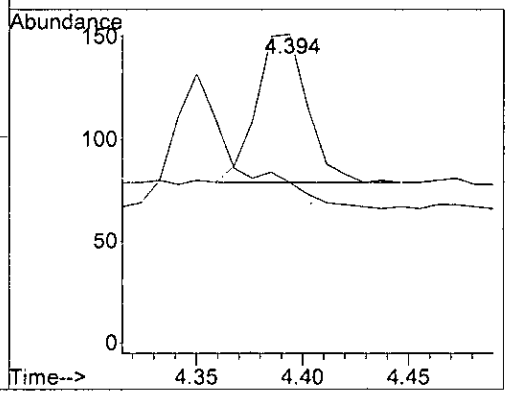


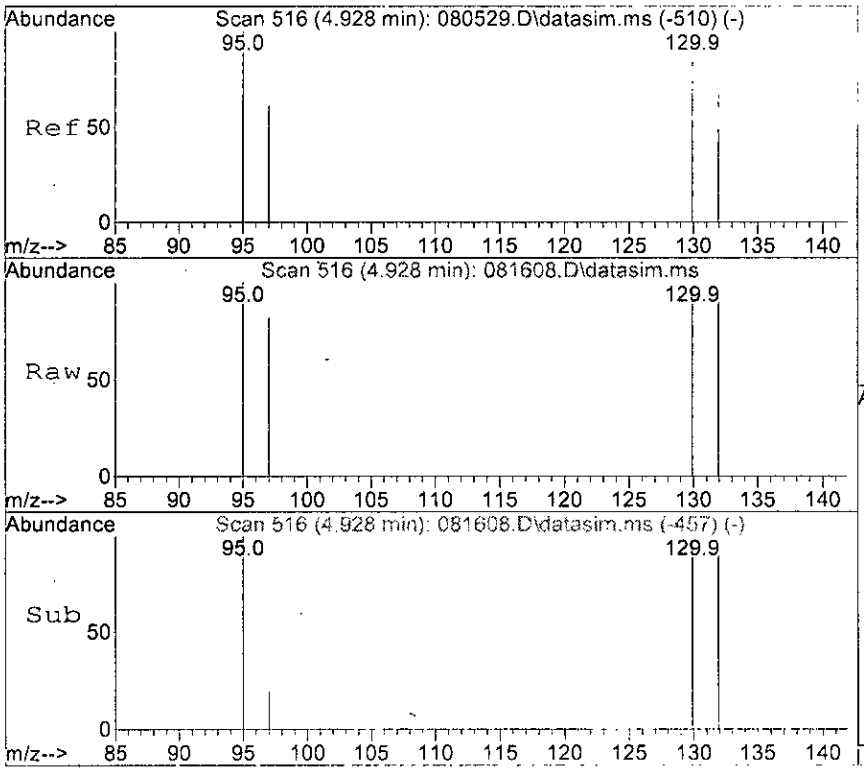


#31
Benzene
Concen: 0.014 ppb
RT: 4.39 min Scan# 453
Delta R.T. 0.009 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion: 78 Resp: 121

Ion	Ratio	Lower	Upper
78	100		
52	16.7	0.0	47.5

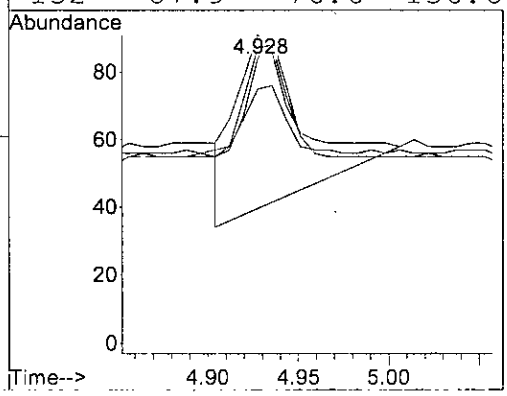


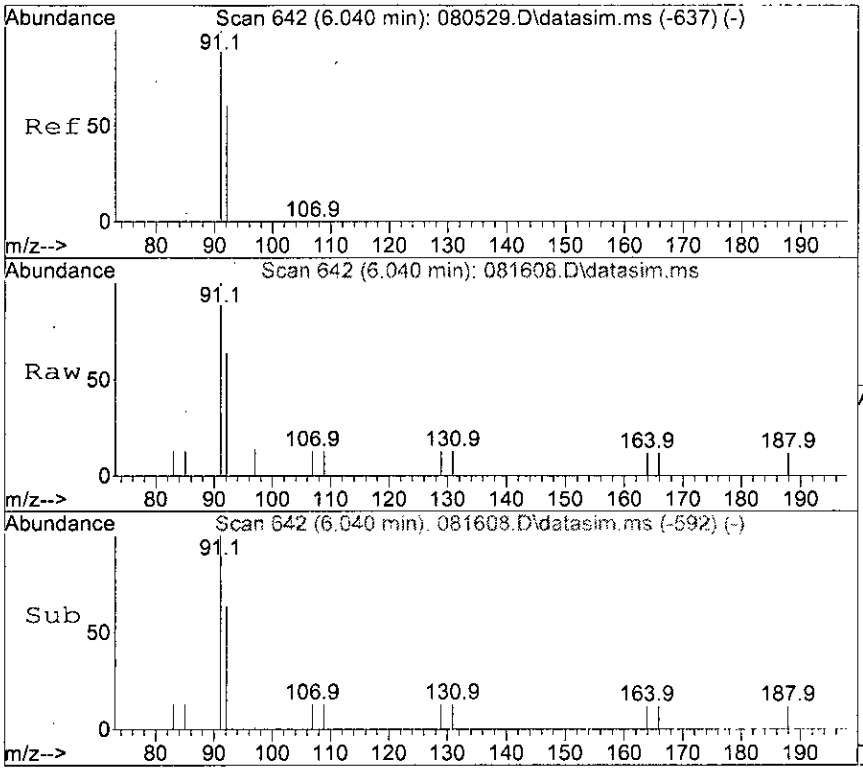


#32
Trichloroethene
Concen: 0.068 ppb
RT: 4.93 min Scan# 516
Delta R.T. -0.000 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion: 95 Resp: 126

Ion	Ratio	Lower	Upper
95	100		
97	54.5	36.4	96.4
130	97.0	82.2	142.2
132	87.9	76.6	136.6

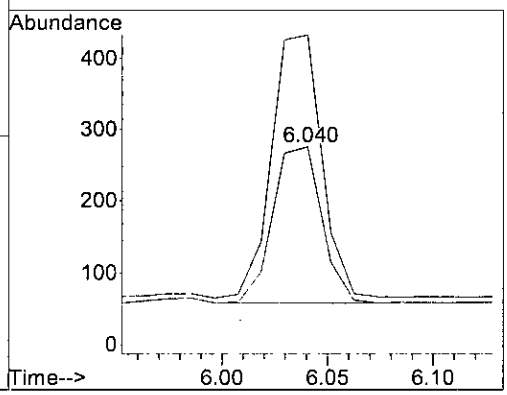


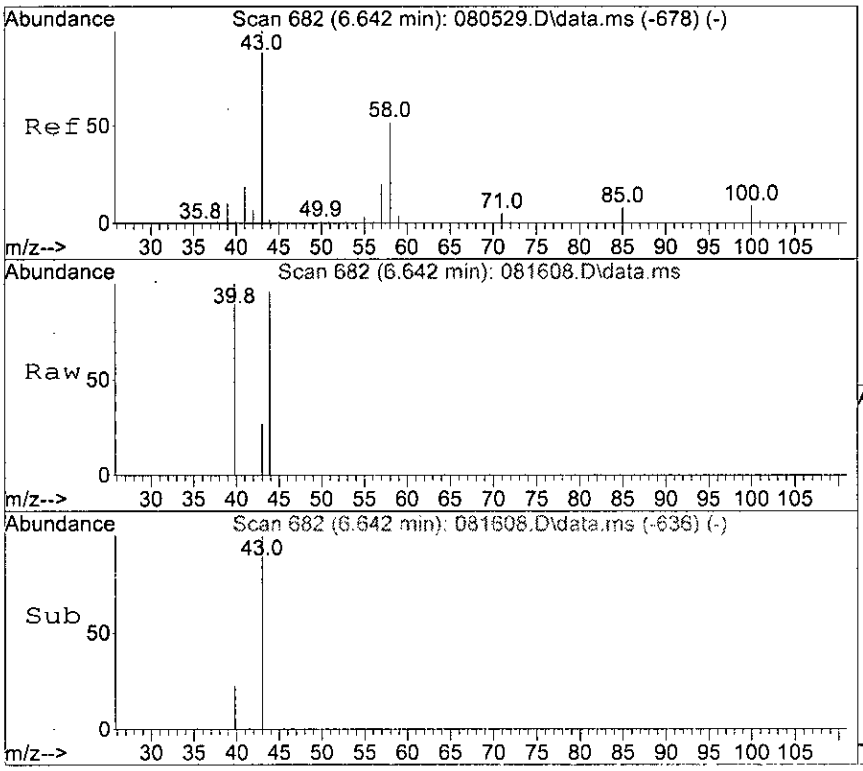


#40
Toluene
Concen: 0.032 ppb
RT: 6.04 min Scan# 642
Delta R.T. 0.011 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion: 92 Resp: 350

Ion	Ratio	Lower	Upper
92	100		
91	169.6	147.4	207.4

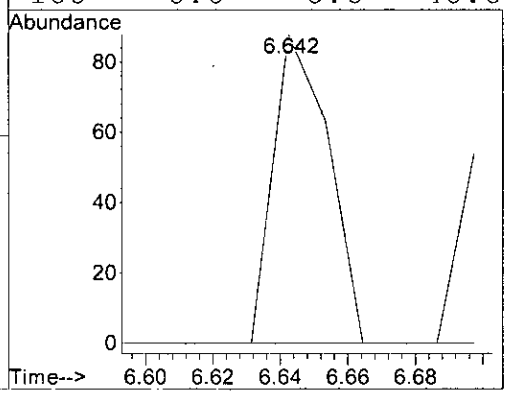


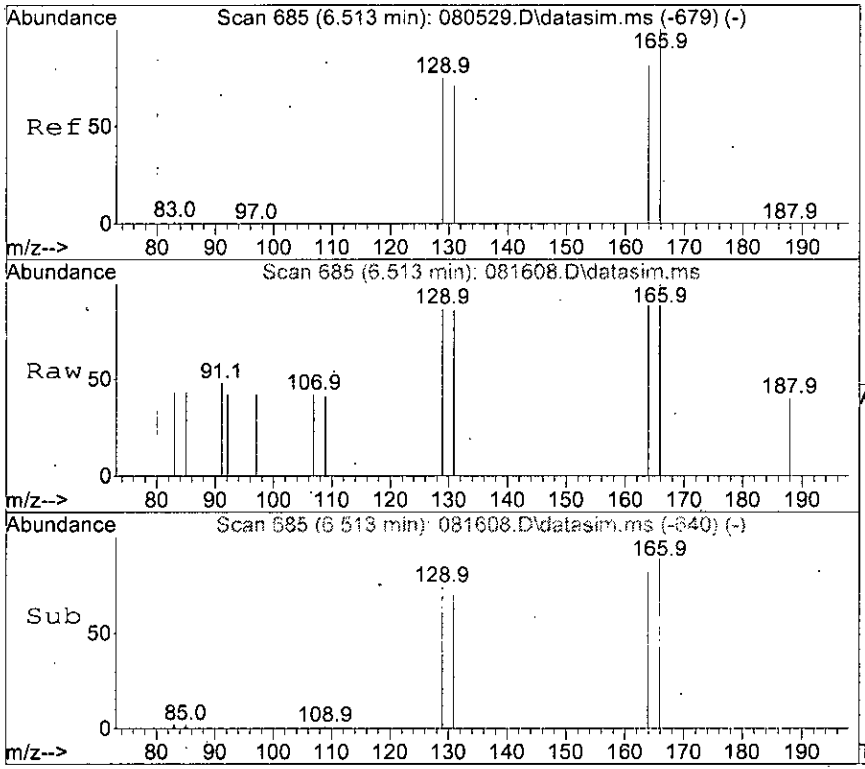


#43
2-Hexanone
Concen: 0.102 ppb
RT: 6.64 min Scan# 682
Delta R.T. 0.000 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion: 43 Resp: 100

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.7	83.7#
57	0.0	0.0	48.0
100	0.0	0.0	40.0

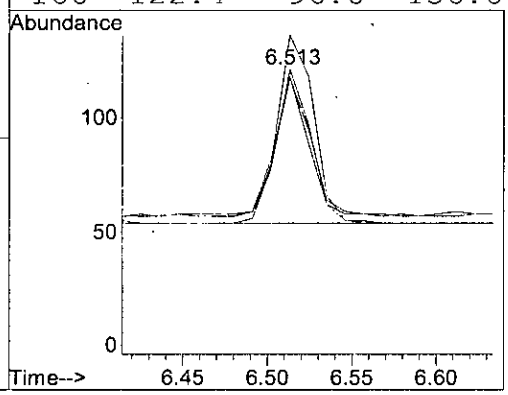


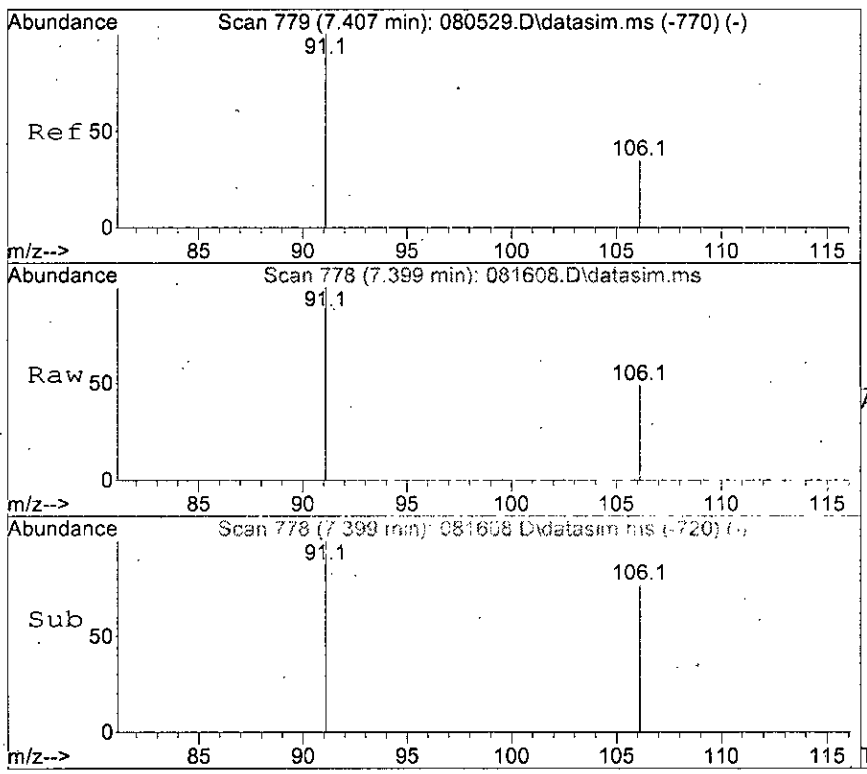


#45
Tetrachloroethene
Concen: 0.036 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion:164 Resp: 96

Ion	Ratio	Lower	Upper
164	100		
129	91.0	60.3	120.3
131	89.6	57.0	117.0
166	122.4	96.8	156.8

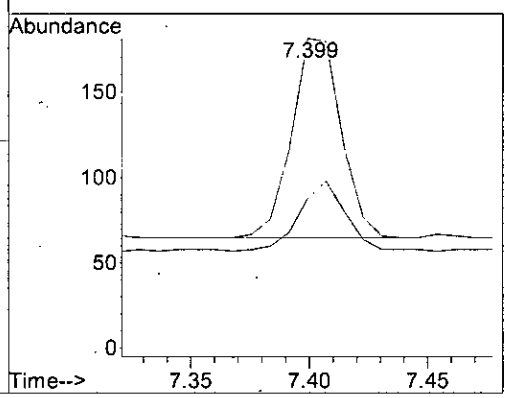


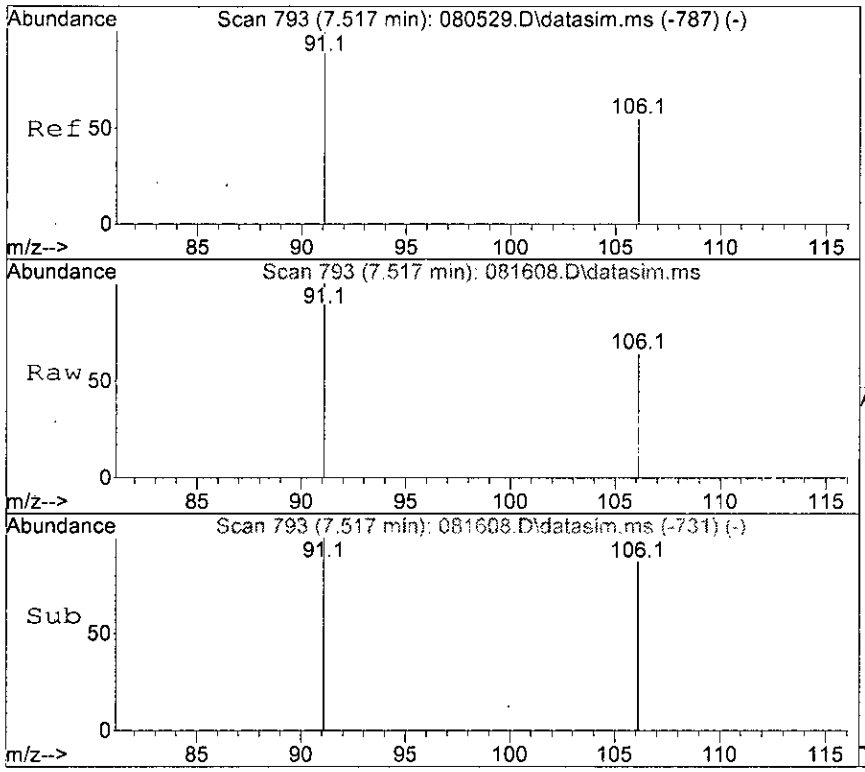


#49
Ethylbenzene
Concen: 0.016 ppb
RT: 7.40 min Scan# 778
Delta R.T. 0.000 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion: 91 Resp: 168

Ion	Ratio	Lower	Upper
91	100		
106	25.9	0.0	57.3

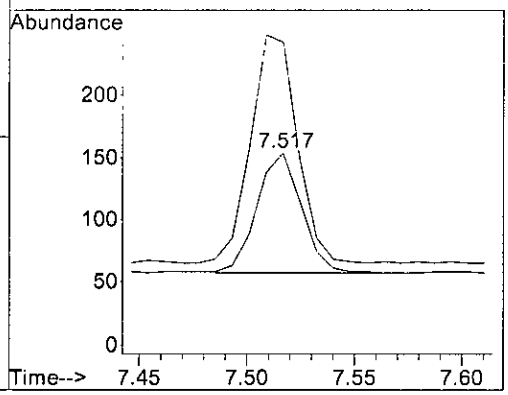


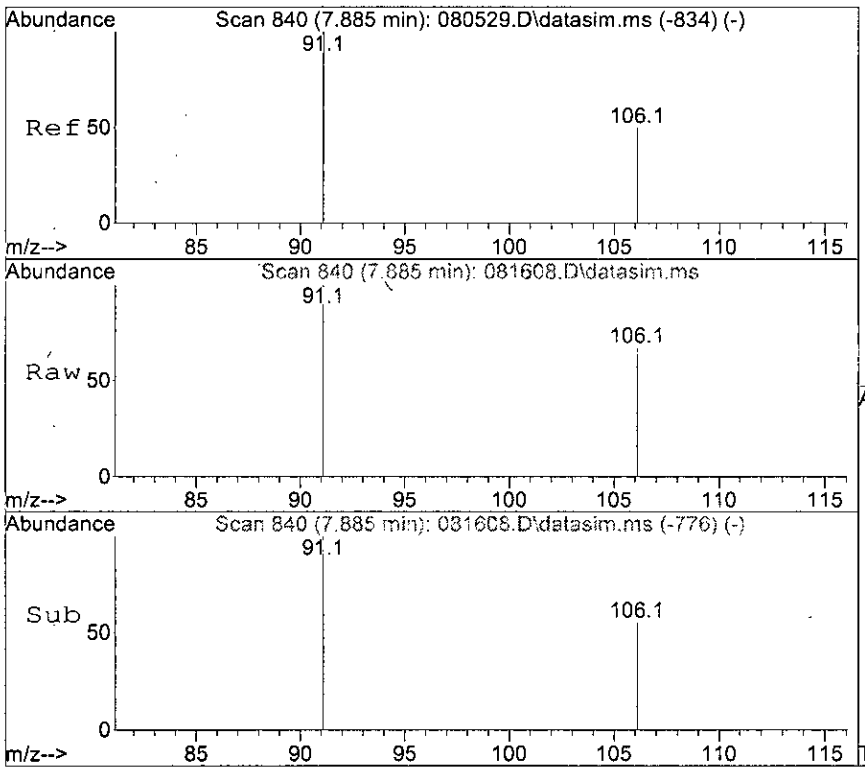


#51
m,p-Xylene
Concen: 0.031 ppb
RT: 7.52 min Scan# 793
Delta R.T. -0.000 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion:106 Resp: 139

Ion	Ratio	Lower	Upper
106	100		
91	182.5	148.7	208.7

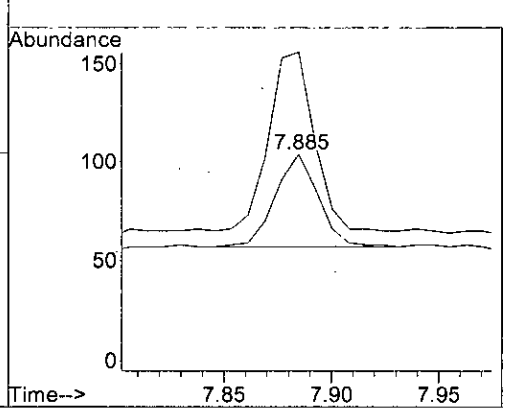




#52
o-Xylene
Concen: 0.015 ppb
RT: 7.88 min Scan# 840
Delta R.T. -0.000 min
Lab File: 081608.D
Acq: 16 Aug 2022 07:50 am

Tgt Ion:106 Resp: 65

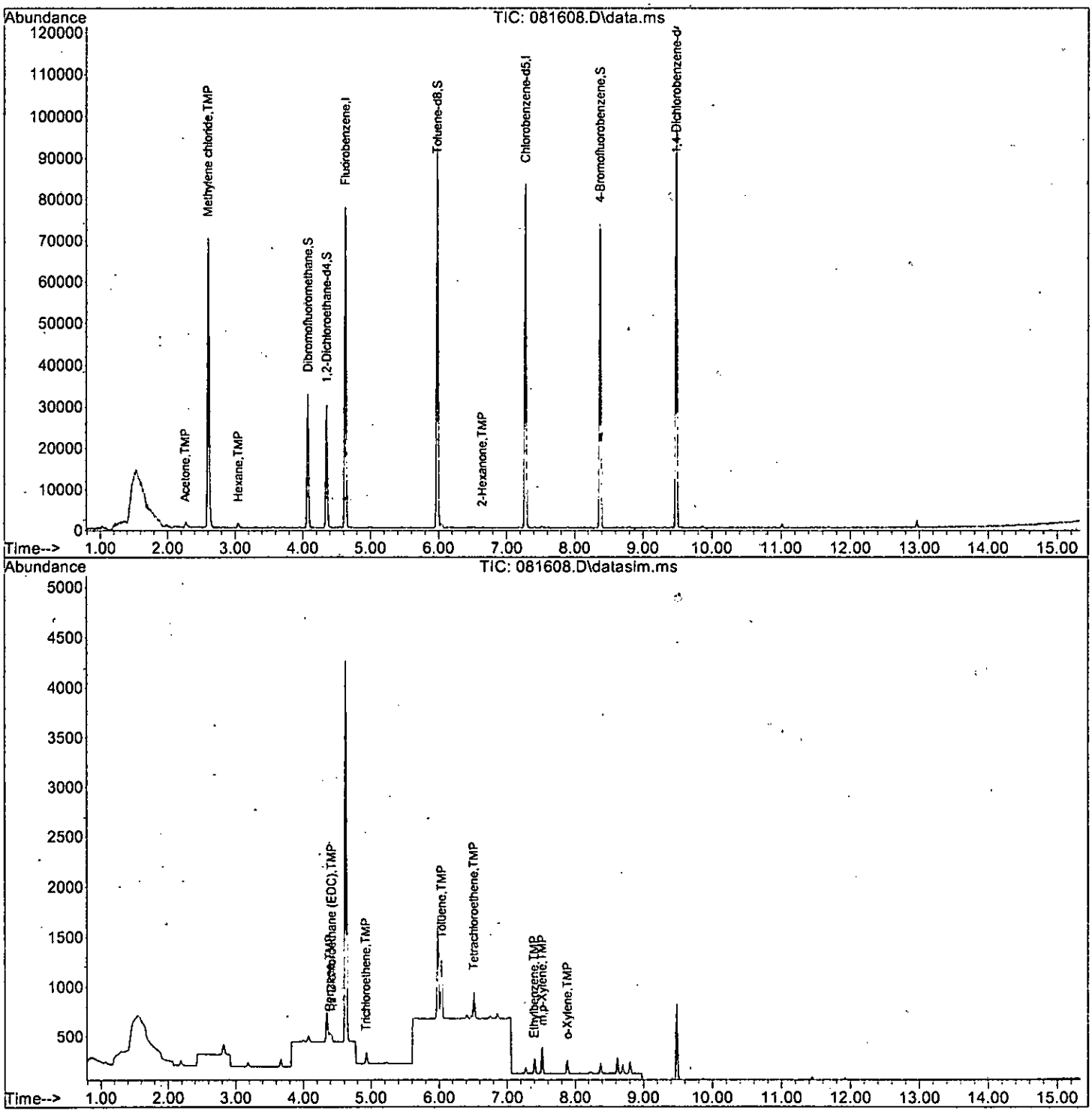
Ion	Ratio	Lower	Upper
106	100		
91	193.6	164.0	224.0



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081608.D
Acq On : 16 Aug 2022 07:50 am
Operator : RF
Sample : 02-1924 mb 1/0.25
Misc : soil
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 17:32:02 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081608.D
Acq On : 16 Aug 2022 07:50 am
Operator : RF
Sample : 02-1924 mb 1/0.25
Misc : soil
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 17:32:02 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	52799	10.000 ppb	0.00
39) Chlorobenzene-d5	7.28	117	41016	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23749	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	15429	10.672 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.70%		
30) 1,2-Dichloroethane-d4	4.36	102	3232	10.324 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 103.20%		
35) Toluene-d8	5.98	98	50565	9.958 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 99.60%		
57) 4-Bromofluorobenzene	8.38	95	19231	9.800 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 98.00%		
Target Compounds					Qvalue
2) Ethanol	1.88	45	66	No Calib	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.22	50	176	N.D.	
6) Vinyl chloride	0.00		0	N.D.	
7) Bromomethane	0.00		0	N.D. d	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	2.43	45	332	No Calib	
11) Acetone	2.26	58	434	2.056 ppb #	85
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	3.05	57	508	0.232 ppb	85
14) Methylene chloride	2.60	84	26442	11.982 ppb	98
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	0.00		0	N.D.	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	3.94	83	84	N.D.	
24) 2-Butanone (MEK)	3.71	43	264	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26] 1,2-Dichloroethane (EDC)	4.42	62	92	0.019 ppb	98
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31] Benzene	4.39	78	121	0.014 ppb	98
32] Trichloroethene	4.93	95	126	0.068 ppb	84
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.04	92	350	0.032 ppb	94
41) trans-1,3-Dichloropropene	0.00		0	N.D.	

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081608.D
Acq On : 16 Aug 2022 07:50 am
Operator : RF
Sample : 02-1924 mb 1/0.25
Misc : soil
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 17:32:02 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	6.64	43	100	0.102	ppb	#	38
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.51	164	96	0.036	ppb		97
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	7.30	112	129	N.D.			
49] Ethylbenzene	7.40	91	168	0.016	ppb		97
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.52	106	139	0.031	ppb		97
52] o-Xylene	7.88	106	65	0.015	ppb		100
53) Styrene	7.91	104	147	N.D.			
54) Isopropylbenzene	8.23	105	179	N.D.			
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.63	91	244	N.D.			
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	8.80	105	182	N.D.			
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	8.70	91	164	N.D.			
64) 4-Chlorotoluene	8.81	91	186	N.D.			
65) tert-Butylbenzene	9.11	119	61	N.D.			
66) 1,2,4-Trimethylbenzene	9.16	105	192	N.D.			
67) sec-Butylbenzene	9.31	105	247	N.D.			
68) p-Isopropyltoluene	9.47	119	220	N.D.			
69) 1,3-Dichlorobenzene	9.41	146	106	N.D.			
70) 1,4-Dichlorobenzene	9.41	146	106	N.D.			
71) 1,2-Dichlorobenzene	9.87	146	118	N.D.			
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.44	180	146	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	0.00		0	N.D.	d		
76) 1,2,3-Trichlorobenzene	11.92	180	131	N.D.			

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

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081617.D
Acq On : 16 Aug 2022 05:12 pm
Operator : LM
Sample : 02-1924 lcs rr
Misc : soil
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 17:27:47 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.62	96	52412	10.000 ppb	0.00
39) Chlorobenzene-d5	7.27	117	41469	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	25075	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	15419	10.744 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 107.40%		
30) 1,2-Dichloroethane-d4	4.35	102	3057	9.837 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.40%		
35) Toluene-d8	5.97	98	51011	10.120 ppb	-0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 101.20%		
57) 4-Bromofluorobenzene	8.38	95	20431	9.861 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 98.60%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	1.09	85	18214	4.239 ppb	98
5) Chloromethane	1.23	50	32183	7.090 ppb	92
6] Vinyl chloride	1.29	62	32551	7.775 ppb	94
7) Bromomethane	1.53	94	23418	9.442 ppb	91
8] Chloroethane	1.59	64	19600	9.256 ppb	88
9) Trichlorofluoromethane	1.77	101	43828	8.734 ppb	100
10) 2-Propanol	2.40	45	190	No Calib	
11) Acetone	2.26	58	5436	41.567 ppb	94
12] 1,1-Dichloroethene	2.18	96	12989	9.089 ppb	89
13) Hexane	3.04	57	19845	9.119 ppb	98
14) Methylene chloride	2.60	84	29179	13.845 ppb	96
15) t-Butyl alcohol (TBA)	2.73	59	7965	50.531 ppb	99
16] Methyl t-butyl ether (...	2.83	73	37599	9.523 ppb	96
17] trans-1,2-Dichloroethene	2.82	96	14722	9.737 ppb	91
18) Diisopropyl ether (DIPE)	3.24	45	43815	8.909 ppb	99
19] 1,1-Dichloroethane	3.17	63	26864	9.466 ppb	98
20) Ethyl t-butyl ether (E...	3.54	87	16062	9.298 ppb	86
21) 2,2-Dichloropropane	3.66	77	18039	11.526 ppb	94
22] cis-1,2-Dichloroethene	3.66	96	16284	10.120 ppb	96
23) Chloroform	3.94	83	24718	9.606 ppb	97
24) 2-Butanone (MEK)	3.70	43	28275	43.884 ppb	99
25) t-Amyl methyl ether (T...	4.49	73	36092	9.507 ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	19429	9.460 ppb	100
27] 1,1,1-Trichloroethane	4.07	97	23574	9.992 ppb	100
28) 1,1-Dichloropropene	4.21	75	18184	9.328 ppb	99
29) Carbon tetrachloride	4.21	117	20589	10.061 ppb	98
31] Benzene	4.38	78	51325	9.201 ppb	99
32] Trichloroethene	4.92	95	14644	9.146 ppb	83
33) 1,2-Dichloropropane	5.12	63	13004	8.635 ppb	98
34) Bromodichloromethane	5.37	83	17022	9.308 ppb	99
36) Dibromomethane	5.22	93	7971	9.154 ppb	91
37) 4-Methyl-2-pentanone	5.90	85	9588	44.888 ppb	88
38) cis-1,3-Dichloropropene	5.75	75	18850	9.136 ppb	92
40] Toluene	6.03	92	32701	9.208 ppb	96
41) trans-1,3-Dichloropropene	6.25	75	17278	9.018 ppb	98

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081617.D
Acq On : 16 Aug 2022 05:12 pm
Operator : LM
Sample : 02-1924 lcs rr
Misc : soil
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

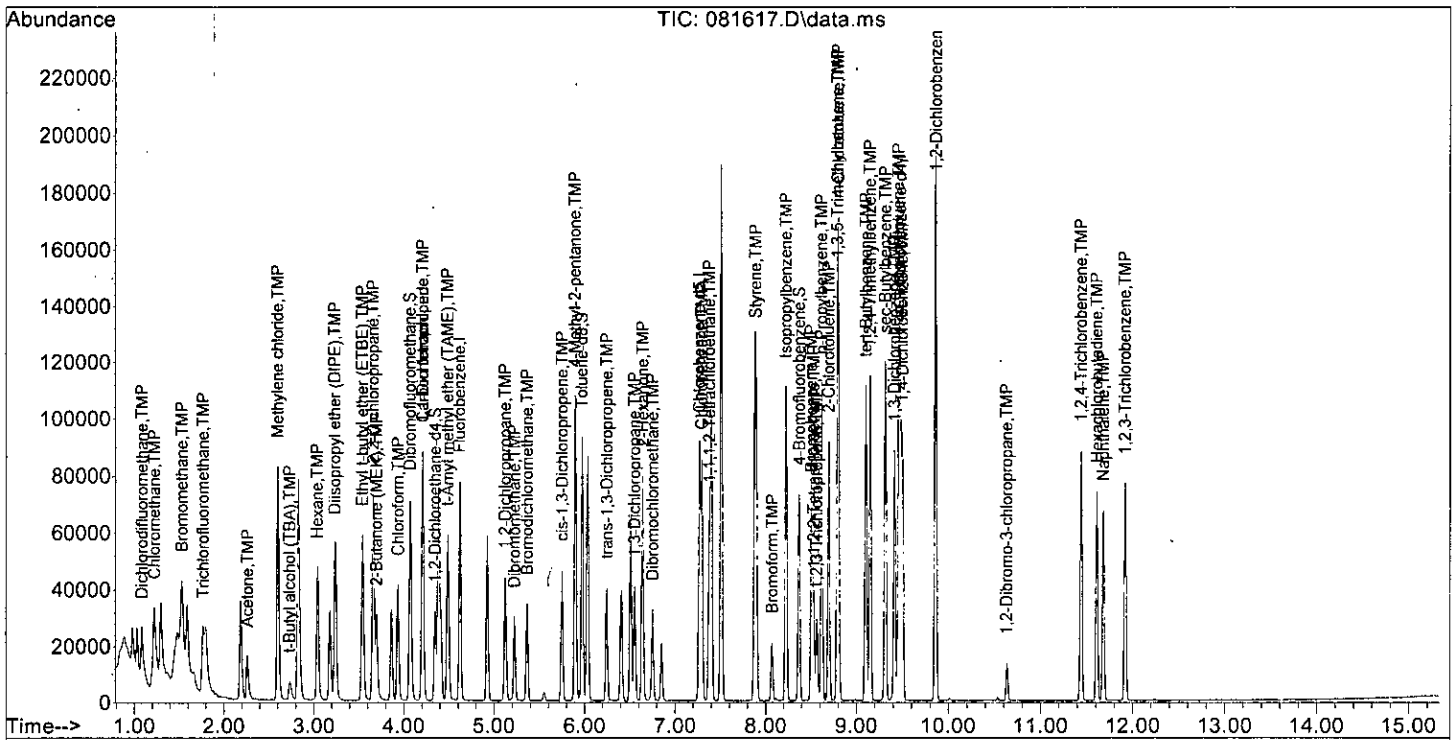
Quant Time: Aug 16 17:27:47 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,1,2-Trichloroethane	6.40	83	9127	8.794	ppb	88
43) 2-Hexanone	6.64	43	43333	43.753	ppb	100
44) 1,3-Dichloropropane	6.55	76	16621	9.024	ppb	97
45) Tetrachloroethene	6.51	164	13901	9.604	ppb	96
46) Dibromochloromethane	6.75	129	13392	9.594	ppb	91
47) 1,2-Dibromoethane (EDB)	6.85	107	11627	8.931	ppb	96
48) Chlorobenzene	7.29	112	36545	9.023	ppb	97
49) Ethylbenzene	7.40	91	61491	9.261	ppb	88
50) 1,1,1,2-Tetrachloroethane	7.38	131	13678	9.367	ppb	99
51) m,p-Xylene	7.51	106	47689	18.525	ppb	91
52) o-Xylene	7.88	106	24268	9.499	ppb	87
53) Styrene	7.89	104	36877	8.986	ppb	99
54) Isopropylbenzene	8.23	105	61055	9.149	ppb	98
55) Bromoform	8.07	173	8821	9.324	ppb	99
58) n-Propylbenzene	8.62	91	69593	8.725	ppb	94
59) Bromobenzene	8.51	156	17219	8.682	ppb	98
60) 1,3,5-Trimethylbenzene	8.79	105	51645	8.735	ppb	96
61) 1,1,2,2-Tetrachloroethane	8.53	83	14254	8.771	ppb	99
62) 1,2,3-Trichloropropane	8.56	75	10261	8.988	ppb	96
63) 2-Chlorotoluene	8.70	91	41298	8.743	ppb	100
64) 4-Chlorotoluene	8.80	91	47557	8.705	ppb	98
65) tert-Butylbenzene	9.10	119	47024	8.903	ppb	97
66) 1,2,4-Trimethylbenzene	9.15	105	53603	8.810	ppb	98
67) sec-Butylbenzene	9.31	105	69531	9.013	ppb	99
68) p-Isopropyltoluene	9.46	119	60666	9.097	ppb	99
69) 1,3-Dichlorobenzene	9.41	146	32681	8.767	ppb	97
70) 1,4-Dichlorobenzene	9.50	146	32246	8.873	ppb	98
71) 1,2-Dichlorobenzene	9.86	146	31699	8.697	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.63	75	2762	9.456	ppb	94
73) 1,2,4-Trichlorobenzene	11.44	180	25783	9.339	ppb	98
74) Hexachlorobutadiene	11.61	225	14497	9.530	ppb	94
75) Naphthalene	11.68	128	47609	9.008	ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	22027	8.906	ppb	96

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

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081617.D
Acq On : 16 Aug 2022 05:12 pm
Operator : LM
Sample : 02-1924 lcs rr
Misc : soil
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 17:27:47 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 09:46 am
Operator : LM
Sample : 208219-04
Misc : soil
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 13:00:59 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.62	96	50395	10.000 ppb	0.00
39) Chlorobenzene-d5	7.27	117	41201	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	24834	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	14901	10.799 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 108.00%		
30) 1,2-Dichloroethane-d4	4.35	102	3183	10.653 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 106.50%		
35) Toluene-d8	5.97	98	50272	10.372 ppb	-0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 103.70%		
57) 4-Bromofluorobenzene	8.37	95	19710	9.605 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 96.10%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.22	50	241	0.055 ppb	86
6] Vinyl chloride	1.28	62	74	0.018 ppb	88
7) Bromomethane	0.00		0	N.D.	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	2.39	45	89	No Calib	
11) Acetone	2.26	58	172	0.079 ppb #	1
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	3.05	57	256	0.122 ppb #	62
14) Methylene chloride	2.60	84	17638	6.992 ppb	89
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	0.00		0	N.D.	
22] cis-1,2-Dichloroethene	3.66	96	102	0.057 ppb	90
23) Chloroform	3.93	83	73	0.030 ppb #	18
24) 2-Butanone (MEK)	3.71	43	146	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26] 1,2-Dichloroethane (EDC)	4.40	62	70	0.010 ppb	90
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	4.38	78	85	N.D.	
32] Trichloroethene	4.92	95	143	0.082 ppb	88
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 09:46 am
Operator : LM
Sample : 208219-04
Misc : soil
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 13:00:59 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

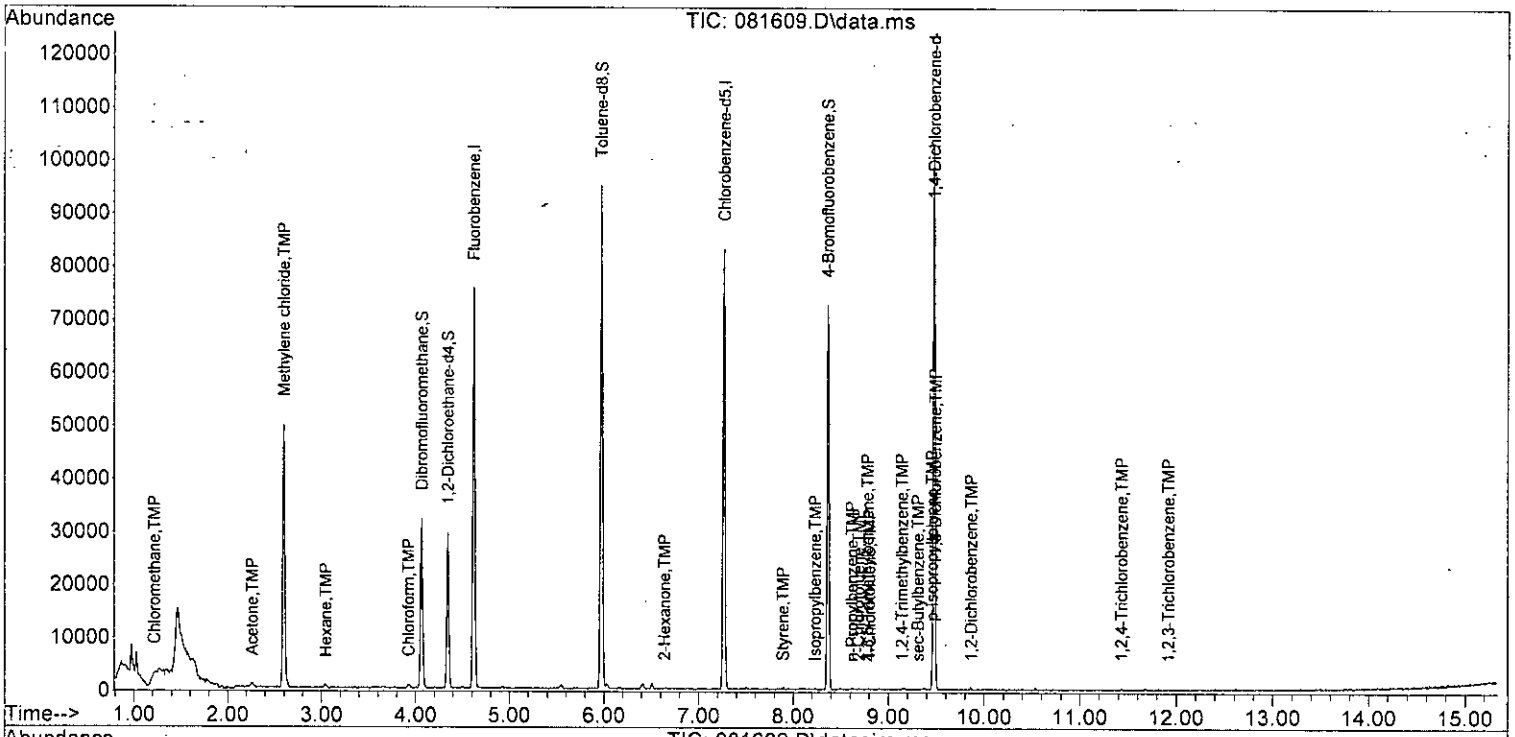
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
40] Toluene	6.03	92	429	0.054	ppb		92
41) trans-1,3-Dichloropropene	0.00		0	N.D.			
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	6.64	43	88	0.089	ppb	#	38
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.50	164	259	0.149	ppb		95
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.			
49) Ethylbenzene	7.39	91	114	N.D.			
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.51	106	104	0.017	ppb		97
52) o-Xylene	0.00		0	N.D.			
53) Styrene	7.89	104	86	0.021	ppb	#	37
54) Isopropylbenzene	8.23	105	150	0.023	ppb		49
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.62	91	208	0.026	ppb		52
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	8.78	105	85	0.015	ppb	#	29
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	8.69	91	77	0.016	ppb	#	39
64) 4-Chlorotoluene	8.81	91	104	0.019	ppb	#	40
65) tert-Butylbenzene	0.00		0	N.D.			
66) 1,2,4-Trimethylbenzene	9.14	105	103	0.017	ppb	#	29
67) sec-Butylbenzene	9.31	105	114	0.015	ppb		57
68) p-Isopropyltoluene	9.46	119	126	0.019	ppb		51
69) 1,3-Dichlorobenzene	9.49	146	122	0.033	ppb		72
70) 1,4-Dichlorobenzene	9.49	146	122	0.034	ppb		73
71) 1,2-Dichlorobenzene	9.86	146	52	0.014	ppb	#	25
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.44	180	118	0.043	ppb		77
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	0.00		0	N.D.	d		
76) 1,2,3-Trichlorobenzene	11.92	180	101	0.041	ppb	#	13

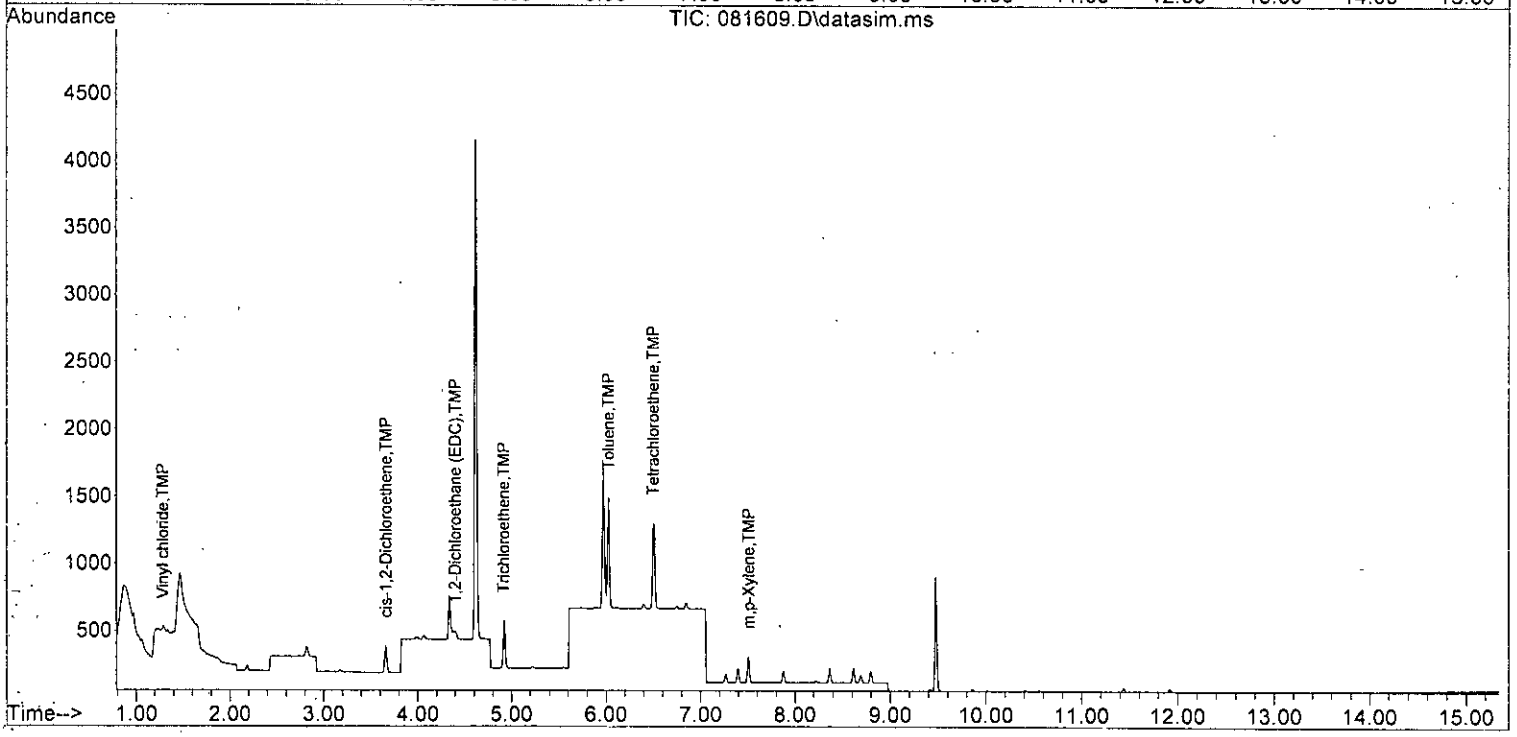
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : H:\Proc_GCMS11\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 09:46 am
Operator : LM
Sample : 208219-04
Misc : soil
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 13:00:59 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081615.D
Acq On : 16 Aug 2022 12:00 pm
Operator : LM
Sample : 208219-04 ms
Misc : soil
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 12:59:15 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.64	96	50518	10.000	ppb	0.02
39) Chlorobenzene-d5	7.28	117	40087	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23068	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.09	113	15211	10.996	ppb	0.02
Spiked Amount 10.000	Range 50 - 150		Recovery = 110.00%			
30) 1,2-Dichloroethane-d4	4.37	102	2985	9.966	ppb	0.02
Spiked Amount 10.000	Range 79 - 128		Recovery = 99.70%			
35) Toluene-d8	5.98	98	49523	10.193	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 101.90%			
57) 4-Bromofluorobenzene	8.38	95	18767	9.846	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 98.50%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	3115	N.D.		
5) Chloromethane	1.23	50	14723	3.365	ppb	100
6] Vinyl chloride	1.31	62	12784	3.168	ppb	100
7) Bromomethane	1.55	94	10019	4.191	ppb	94
8] Chloroethane	1.60	64	9355	4.583	ppb	96
9) Trichlorofluoromethane	1.78	101	16592	3.431	ppb	87
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.28	58	3666	28.634	ppb	89
12] 1,1-Dichloroethene	2.20	96	6536	4.745	ppb	90
13) Hexane	3.06	57	5629	2.684	ppb	91
14) Methylene chloride	2.61	84	21611	9.560	ppb	98
15) t-Butyl alcohol (TBA)	2.74	59	5475	36.036	ppb	97
16] Methyl t-butyl ether (...	2.85	73	26598	6.989	ppb	98
17] trans-1,2-Dichloroethene	2.84	96	9019	6.184	ppb	93
18) Diisopropyl ether (DIPE)	3.25	45	30660	6.468	ppb	98
19] 1,1-Dichloroethane	3.19	63	17435	6.374	ppb	99
20) Ethyl t-butyl ether (E...	3.56	87	11457	6.881	ppb	98
21) 2,2-Dichloropropane	3.67	77	10664	7.000	ppb	95
22] cis-1,2-Dichloroethene	3.68	96	10405	6.706	ppb	100
23) Chloroform	3.95	83	17165	6.921	ppb	95
24) 2-Butanone (MEK)	3.71	43	22569	36.264	ppb	97
25) t-Amyl methyl ether (T...	4.50	73	26203	7.161	ppb	97
26] 1,2-Dichloroethane (EDC)	4.42	62	13784	6.957	ppb	97
27] 1,1,1-Trichloroethane	4.09	97	15167	6.669	ppb	95
28) 1,1-Dichloropropene	4.23	75	11197	5.959	ppb	97
29) Carbon tetrachloride	4.22	117	12375	6.274	ppb	98
31] Benzene	4.39	78	34909	6.490	ppb	96
32] Trichloroethene	4.94	95	10035	6.499	ppb	94
33) 1,2-Dichloropropane	5.14	63	9239	6.365	ppb	96
34) Bromodichloromethane	5.37	83	11938	6.772	ppb	97
36) Dibromomethane	5.24	93	5480	6.529	ppb	99
37) 4-Methyl-2-pentanone	5.91	85	7360	35.749	ppb	96
38) cis-1,3-Dichloropropene	5.76	75	13705	6.891	ppb	97
40] Toluene	6.04	92	22810	6.625	ppb	96
41) trans-1,3-Dichloropropene	6.26	75	12323	6.653	ppb	95

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081615.D
Acq On : 16 Aug 2022 12:00 pm
Operator : LM
Sample : 208219-04 ms
Misc : soil
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

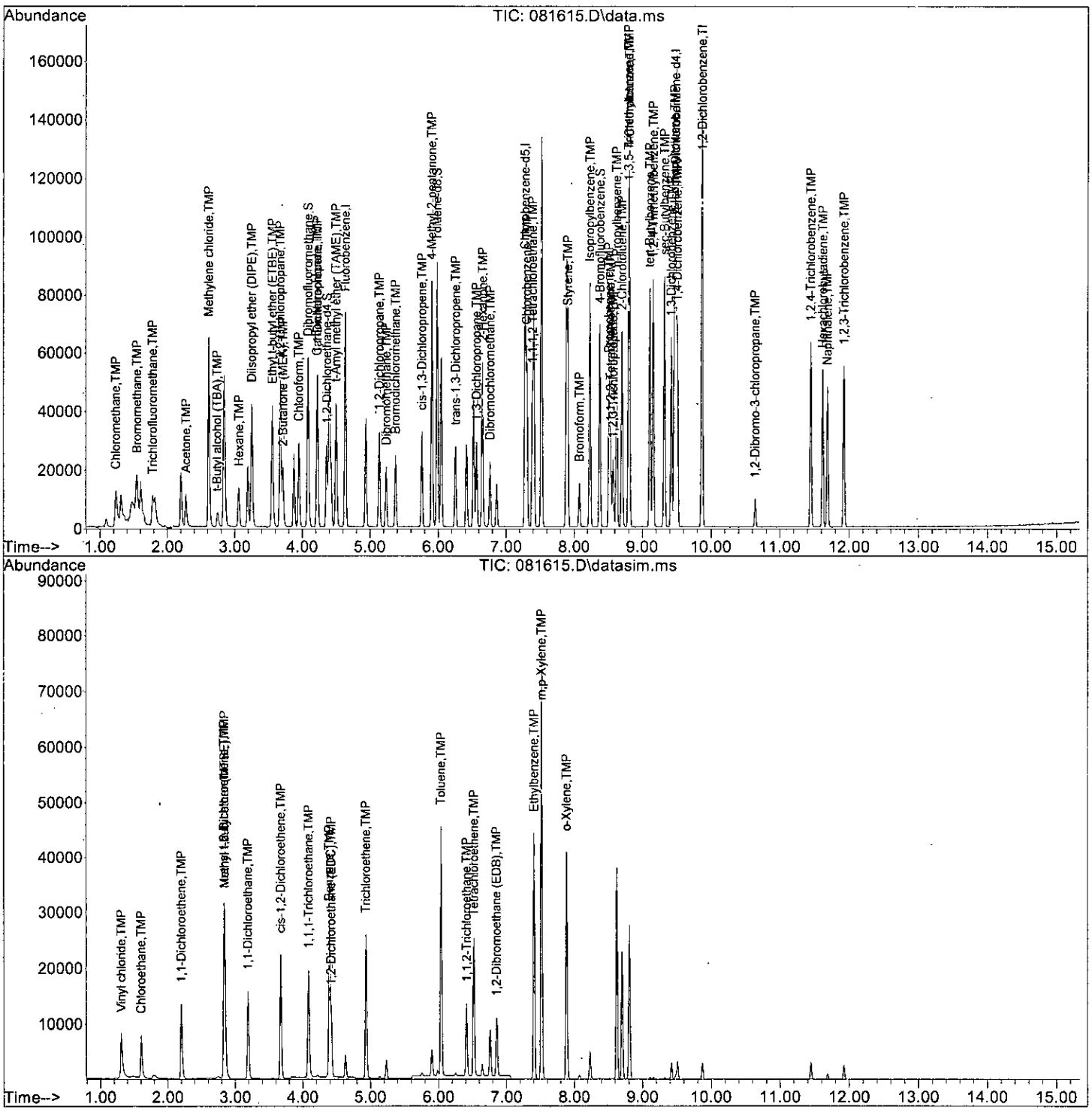
Quant Time: Aug 16 12:59:15 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42] 1,1,2-Trichloroethane	6.41	83	6840	6.818	ppb	86
43) 2-Hexanone	6.65	43	32575	34.025	ppb	98
44) 1,3-Dichloropropane	6.57	76	12607	7.080	ppb	99
45] Tetrachloroethene	6.52	164	9643	6.883	ppb	94
46) Dibromochloromethane	6.76	129	9701	7.190	ppb	88
47] 1,2-Dibromoethane (EDB)	6.85	107	8518	6.769	ppb	96
48) Chlorobenzene	7.30	112	26507	6.770	ppb	99
49] Ethylbenzene	7.41	91	44830	6.982	ppb	91
50) 1,1,1,2-Tetrachloroethane	7.39	131	9967	7.061	ppb	97
51] m,p-Xylene	7.52	106	34796	13.977	ppb	84
52] o-Xylene	7.88	106	17805	7.207	ppb	85
53) Styrene	7.91	104	27149	6.844	ppb	96
54) Isopropylbenzene	8.23	105	44933	6.965	ppb	97
55) Bromoform	8.08	173	5898	6.449	ppb	98
58) n-Propylbenzene	8.63	91	52262	7.122	ppb	100
59) Bromobenzene	8.52	156	12714	6.968	ppb	95
60) 1,3,5-Trimethylbenzene	8.80	105	37791	6.948	ppb	95
61) 1,1,2,2-Tetrachloroethane	8.54	83	10771	7.204	ppb	96
62) 1,2,3-Trichloropropane	8.57	75	7833	7.458	ppb	95
63) 2-Chlorotoluene	8.70	91	30874	7.105	ppb	98
64) 4-Chlorotoluene	8.81	91	35647	7.093	ppb	96
65) tert-Butylbenzene	9.11	119	34626	7.126	ppb	94
66) 1,2,4-Trimethylbenzene	9.16	105	39837	7.117	ppb	100
67) sec-Butylbenzene	9.32	105	51029	7.190	ppb	96
68) p-Isopropyltoluene	9.47	119	44594	7.269	ppb	97
69) 1,3-Dichlorobenzene	9.42	146	23918	6.975	ppb	98
70) 1,4-Dichlorobenzene	9.51	146	23597	7.058	ppb	98
71) 1,2-Dichlorobenzene	9.87	146	24033	7.168	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.64	75	1971	7.335	ppb	87
73) 1,2,4-Trichlorobenzene	11.44	180	18224	7.175	ppb	96
74) Hexachlorobutadiene	11.62	225	10842	7.748	ppb	95
75) Naphthalene	11.69	128	33827	6.957	ppb	97
76) 1,2,3-Trichlorobenzene	11.92	180	16205	7.122	ppb	98

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

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081615.D
Acq On : 16 Aug 2022 12:00 pm
Operator : LM
Sample : 208219-04 ms
Misc : soil
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 12:59:15 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081616.D
Acq On : 16 Aug 2022 12:23 pm
Operator : LM
Sample : 208219-04 msd
Misc : soil
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 12:59:22 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.64	96	51876	10.000	ppb		0.02
39) Chlorobenzene-d5	7.28	117	42293	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	23856	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	15305	10.775	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 107.70%				
30) 1,2-Dichloroethane-d4	4.36	102	3233	10.511	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 105.10%				
35) Toluene-d8	5.98	98	50502	10.122	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 101.20%				
57) 4-Bromofluorobenzene	8.38	95	19597	9.942	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 99.40%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.09	85	3361	N.D.			
5) Chloromethane	1.23	50	13955	3.106	ppb		98
6] Vinyl chloride	1.31	62	13138	3.171	ppb		97
7) Bromomethane	1.54	94	9920	4.041	ppb		92
8] Chloroethane	1.61	64	9282	4.429	ppb		94
9) Trichlorofluoromethane	1.78	101	17946	3.613	ppb		99
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.27	58	3263	24.629	ppb	#	76
12] 1,1-Dichloroethene	2.20	96	6793	4.802	ppb		97
13) Hexane	3.06	57	6694	3.108	ppb		90
14) Methylene chloride	2.61	84	20537	8.505	ppb		91
15) t-Butyl alcohol (TBA)	2.74	59	5046	32.343	ppb		96
16] Methyl t-butyl ether (...	2.85	73	24783	6.342	ppb		99
17] trans-1,2-Dichloroethene	2.84	96	8824	5.892	ppb		98
18) Diisopropyl ether (DIPE)	3.25	45	28731	5.902	ppb		98
19] 1,1-Dichloroethane	3.19	63	16706	5.947	ppb		100
20) Ethyl t-butyl ether (E...	3.56	87	10303	6.026	ppb	#	84
21) 2,2-Dichloropropane	3.67	77	9726	6.200	ppb		94
22] cis-1,2-Dichloroethene	3.68	96	9866	6.191	ppb		96
23) Chloroform	3.95	83	15896	6.242	ppb		94
24) 2-Butanone (MEK)	3.71	43	18605	29.022	ppb		98
25) t-Amyl methyl ether (T...	4.50	73	24388	6.490	ppb		98
26] 1,2-Dichloroethane (EDC)	4.42	62	13153	6.463	ppb		97
27] 1,1,1-Trichloroethane	4.09	97	14638	6.268	ppb		94
28) 1,1-Dichloropropene	4.23	75	10960	5.680	ppb		99
29) Carbon tetrachloride	4.22	117	12355	6.100	ppb		96
31] Benzene	4.39	78	33583	6.080	ppb		97
32] Trichloroethene	4.94	95	9656	6.089	ppb		96
33) 1,2-Dichloropropane	5.14	63	8915	5.981	ppb		98
34) Bromodichloromethane	5.37	83	11115	6.140	ppb		98
36) Dibromomethane	5.24	93	5159	5.986	ppb		97
37) 4-Methyl-2-pentanone	5.91	85	6517	30.826	ppb		90
38) cis-1,3-Dichloropropene	5.76	75	13254	6.490	ppb		99
40] Toluene	6.04	92	22037	6.061	ppb		93
41) trans-1,3-Dichloropropene	6.26	75	11165	5.714	ppb		98

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081616.D
Acq On : 16 Aug 2022 12:23 pm
Operator : LM
Sample : 208219-04 msd
Misc : soil
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

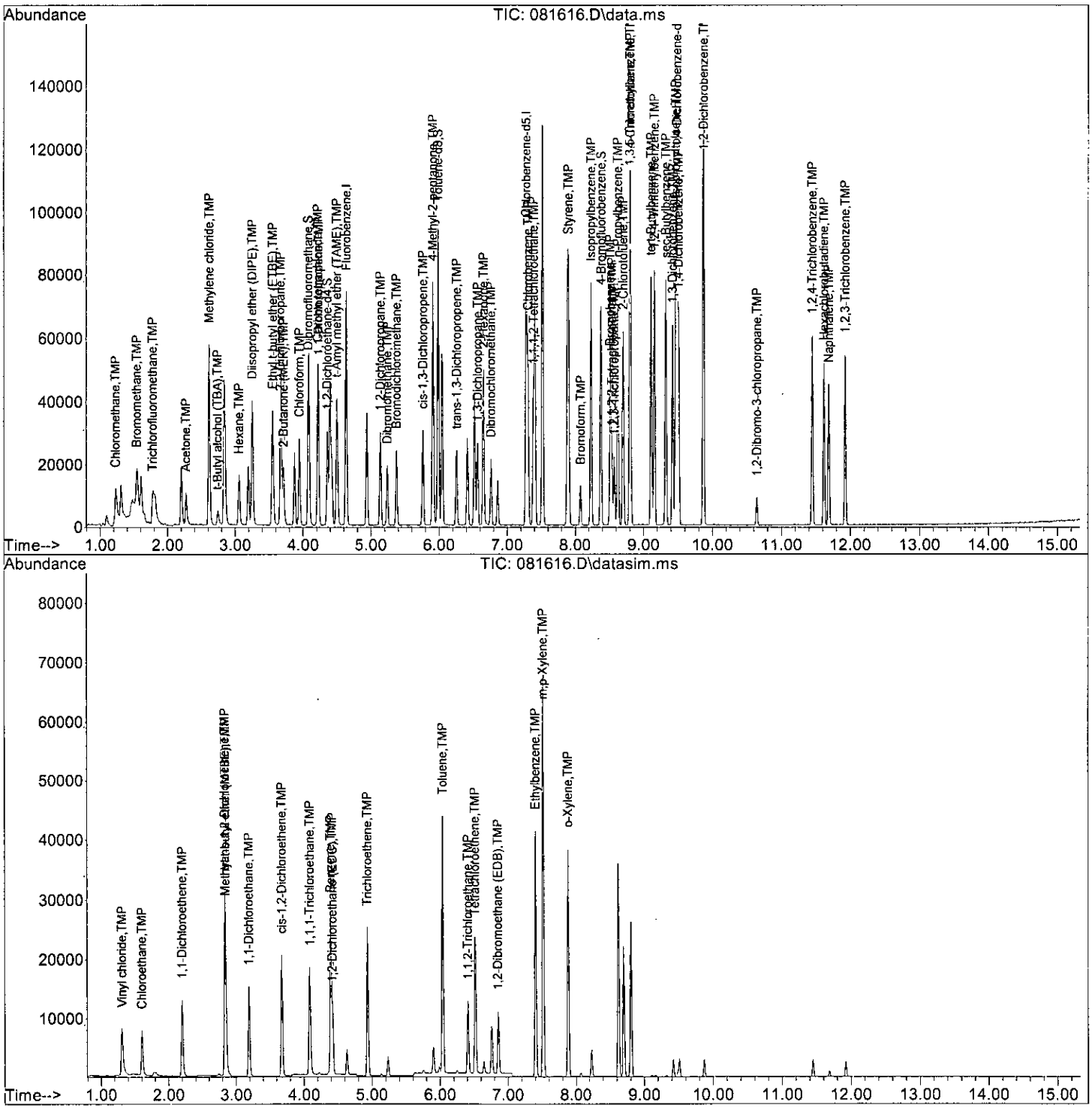
Quant Time: Aug 16 12:59:22 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42]	1,1,2-Trichloroethane	6.41	83	6500	6.141	ppb	83
43)	2-Hexanone	6.65	43	30934	30.625	ppb	97
44)	1,3-Dichloropropane	6.57	76	11435	6.087	ppb	95
45]	Tetrachloroethene	6.51	164	9296	6.286	ppb	95
46)	Dibromochloromethane	6.76	129	9417	6.615	ppb	98
47]	1,2-Dibromoethane (EDB)	6.85	107	8103	6.103	ppb	97
48)	Chlorobenzene	7.30	112	25374	6.143	ppb	98
49]	Ethylbenzene	7.41	91	42629	6.292	ppb	90
50)	1,1,1,2-Tetrachloroethane	7.39	131	9109	6.116	ppb	96
51]	m,p-Xylene	7.52	106	33112	12.605	ppb	88
52]	o-Xylene	7.88	106	16812	6.449	ppb	91
53)	Styrene	7.90	104	26454	6.321	ppb	96
54)	Isopropylbenzene	8.23	105	42697	6.274	ppb	98
55)	Bromoform	8.08	173	5515	5.716	ppb	98
58)	n-Propylbenzene	8.63	91	49200	6.484	ppb	97
59)	Bromobenzene	8.52	156	12113	6.420	ppb	96
60)	1,3,5-Trimethylbenzene	8.80	105	35980	6.397	ppb	99
61)	1,1,2,2-Tetrachloroethane	8.54	83	9989	6.461	ppb	93
62)	1,2,3-Trichloropropane	8.57	75	7400	6.813	ppb	96
63)	2-Chlorotoluene	8.70	91	28861	6.422	ppb	99
64)	4-Chlorotoluene	8.81	91	33356	6.418	ppb	98
65)	tert-Butylbenzene	9.11	119	32430	6.454	ppb	96
66)	1,2,4-Trimethylbenzene	9.16	105	37219	6.430	ppb	100
67)	sec-Butylbenzene	9.32	105	47721	6.502	ppb	98
68)	p-Isopropyltoluene	9.47	119	41680	6.569	ppb	100
69)	1,3-Dichlorobenzene	9.42	146	22891	6.455	ppb	96
70)	1,4-Dichlorobenzene	9.51	146	22845	6.608	ppb	95
71)	1,2-Dichlorobenzene	9.87	146	22488	6.485	ppb	95
72)	1,2-Dibromo-3-chloropr...	10.64	75	1802	6.484	ppb	81
73)	1,2,4-Trichlorobenzene	11.44	180	17226	6.558	ppb	98
74)	Hexachlorobutadiene	11.61	225	10312	7.125	ppb	97
75)	Naphthalene	11.69	128	31740	6.312	ppb	100
76)	1,2,3-Trichlorobenzene	11.92	180	14937	6.348	ppb	98

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

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081616.D
Acq On : 16 Aug 2022 12:23 pm
Operator : LM
Sample : 208219-04 msd
Misc : soil
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 12:59:22 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Quantitation Report (QT Reviewed)

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081604.D
Acq On : 16 Aug 2022 06:25 am
Operator : WE
Sample : 02-1926 lcs
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 08:56:15 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	51093	10.000 ppb		0.00
39) Chlorobenzene-d5	7.41	117	40773	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	21377	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	14933	10.473 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.70%			
30) 1,2-Dichloroethane-d4	4.46	102	3359	10.994 ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 109.90%			
35) Toluene-d8	6.11	98	52413	10.122 ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 101.20%			
57) 4-Bromofluorobenzene	8.52	95	18741	8.959 ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 89.60%			
Target Compounds						Qvalue
2) Ethanol	2.33	45	178	No Calib		
4) Dichlorodifluoromethane	1.11	85	16817	9.497 ppb		94
5) Chloromethane	1.25	50	17191	10.393 ppb		88
6] Vinyl chloride	1.33	62	18200	10.709 ppb		100
7) Bromomethane	1.58	94	11254	10.802 ppb		87
8] Chloroethane	1.65	64	9486	16.246 ppb		92
9) Trichlorofluoromethane	1.84	101	29782	10.099 ppb		79
10) 2-Propanol	2.33	45	178	No Calib	#	
11) Acetone	2.33	58	5821	47.822 ppb	#	65
12] 1,1-Dichloroethene	2.27	96	15781	11.207 ppb		95
13) Hexane	3.16	57	18454	10.394 ppb		94
14) Methylene chloride	2.69	84	28425	14.678 ppb		93
15) t-Butyl alcohol (TBA)	2.81	59	8933	51.216 ppb		79
16] Methyl t-butyl ether (...	2.93	73	45610	10.789 ppb		95
17] trans-1,2-Dichloroethene	2.92	96	18005	10.741 ppb		93
18) Diisopropyl ether (DIPE)	3.35	45	39217	10.039 ppb		97
19] 1,1-Dichloroethane	3.28	63	28209	10.831 ppb		98
20) Ethyl t-butyl ether (E...	3.66	87	17602	10.433 ppb		91
21) 2,2-Dichloropropane	3.77	77	18188	12.376 ppb		91
22] cis-1,2-Dichloroethene	3.77	96	18929	10.753 ppb		97
23) Chloroform	4.05	83	27715	10.459 ppb		99
24) 2-Butanone (MEK)	3.80	43	34975	50.423 ppb		98
25) t-Amyl methyl ether (T...	4.62	73	39593	10.332 ppb		93
26] 1,2-Dichloroethane (EDC)	4.52	62	22530	11.364 ppb		100
27] 1,1,1-Trichloroethane	4.19	97	28999	11.493 ppb		96
28) 1,1-Dichloropropene	4.34	75	21170	11.176 ppb		95
29) Carbon tetrachloride	4.33	117	22664	11.094 ppb		93
31] Benzene	4.50	78	68059	10.741 ppb		99
32] Trichloroethene	5.05	95	19779	10.804 ppb	#	79
33) 1,2-Dichloropropane	5.25	63	14604	10.270 ppb		90
34) Bromodichloromethane	5.48	83	20682	10.299 ppb		97
36) Dibromomethane	5.34	93	10685	10.592 ppb	#	73
37) 4-Methyl-2-pentanone	6.02	85	12907	47.737 ppb		87
38) cis-1,3-Dichloropropene	5.88	75	24193	10.275 ppb		92
40] Toluene	6.16	92	42027	10.177 ppb		99
41) trans-1,3-Dichloropropene	6.37	75	22952	10.220 ppb		90

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081604.D
Acq On : 16 Aug 2022 06:25 am
Operator : WE
Sample : 02-1926 lcs
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS13

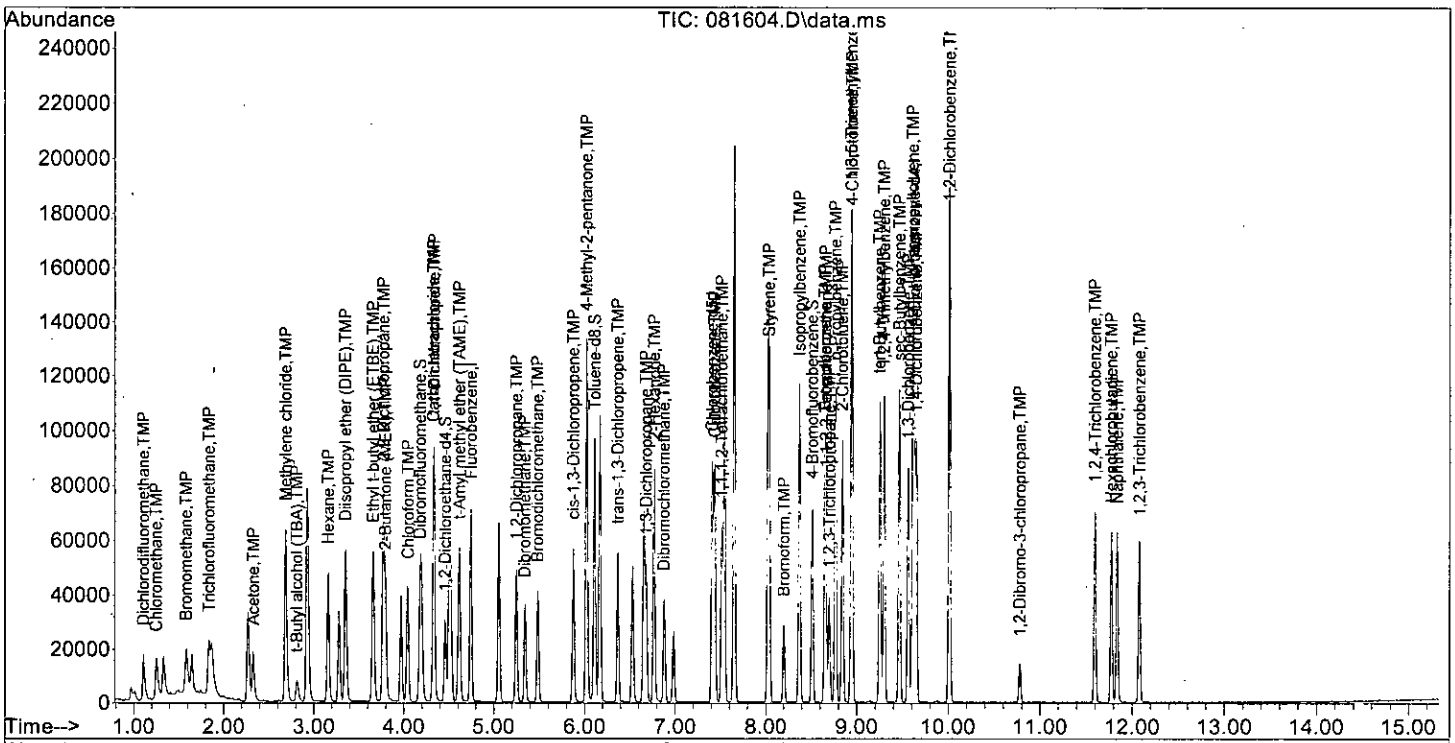
Quant Time: Aug 16 08:56:15 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

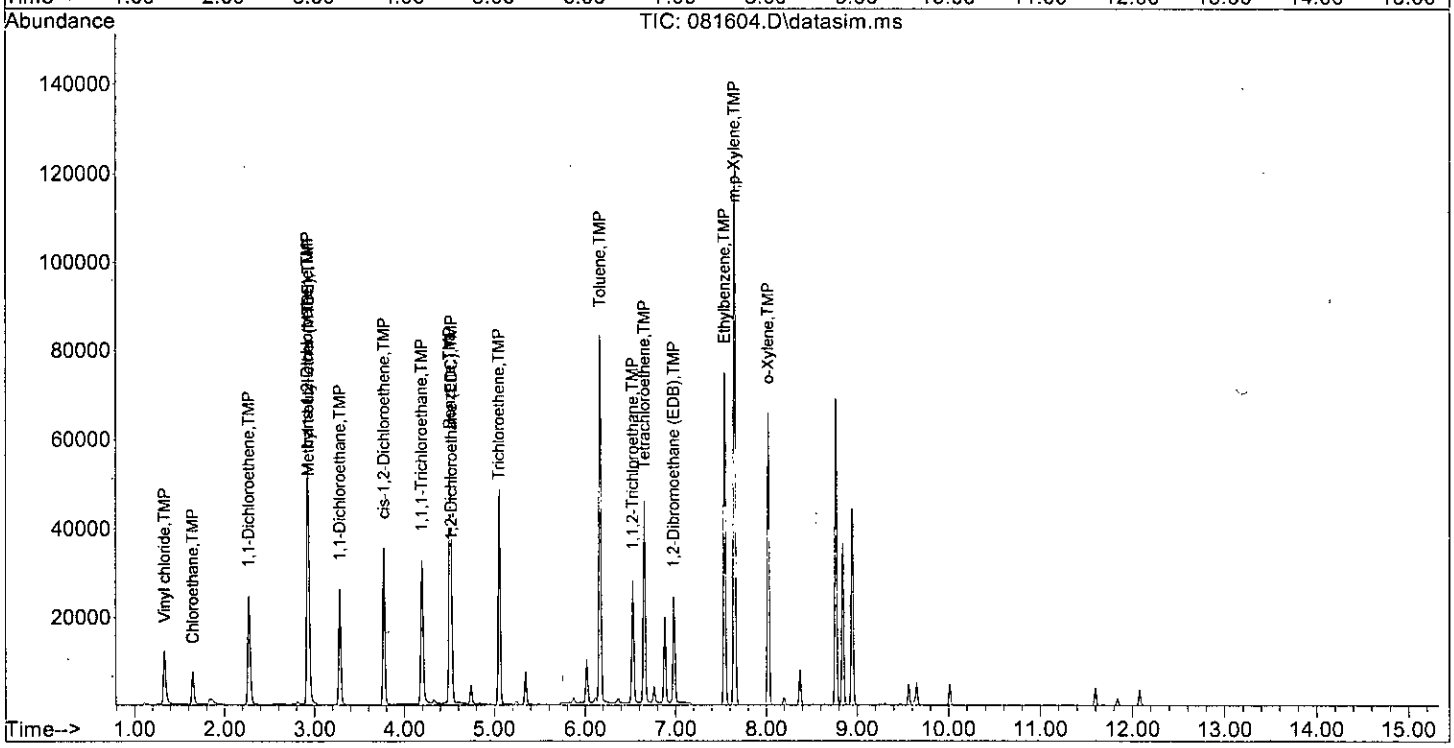
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	14019	9.868	ppb	#	64
43) 2-Hexanone	6.77	43	49967	46.728	ppb		96
44) 1,3-Dichloropropane	6.68	76	22483	10.231	ppb		100
45] Tetrachloroethene	6.65	164	15755	10.896	ppb		92
46) Dibromochloromethane	6.88	129	16987	10.273	ppb		99
47] 1,2-Dibromoethane (EDB)	6.98	107	17276	9.992	ppb		84
48) Chlorobenzene	7.44	112	39819	10.136	ppb		87
49] Ethylbenzene	7.54	91	78927	9.989	ppb		88
50) 1,1,1,2-Tetrachloroethane	7.51	131	14871	10.639	ppb		98
51] m,p-Xylene	7.65	106	58112	20.861	ppb	#	71
52] o-Xylene	8.02	106	28904	10.274	ppb		85
53) Styrene	8.04	104	38279	9.792	ppb		97
54) Isopropylbenzene	8.37	105	63968	10.106	ppb		93
55) Bromoform	8.20	173	10388	9.881	ppb		95
58) n-Propylbenzene	8.77	91	76647	9.638	ppb		86
59) Bromobenzene	8.65	156	17008	10.368	ppb	#	73
60) 1,3,5-Trimethylbenzene	8.94	105	51383	9.850	ppb		94
61) 1,1,2,2-Tetrachloroethane	8.66	83	18584	9.340	ppb		89
62) 1,2,3-Trichloropropane	8.70	75	13286	9.802	ppb		83
63) 2-Chlorotoluene	8.84	91	43814	9.753	ppb		88
64) 4-Chlorotoluene	8.95	91	50600	9.523	ppb		88
65) tert-Butylbenzene	9.25	119	45950	9.884	ppb		85
66) 1,2,4-Trimethylbenzene	9.30	105	51997	9.476	ppb		95
67) sec-Butylbenzene	9.47	105	67844	9.768	ppb		95
68) p-Isopropyltoluene	9.61	119	56793	10.057	ppb		97
69) 1,3-Dichlorobenzene	9.56	146	31326	10.303	ppb		96
70) 1,4-Dichlorobenzene	9.65	146	31266	10.461	ppb		97
71) 1,2-Dichlorobenzene	10.01	146	30557	10.456	ppb		96
72) 1,2-Dibromo-3-chloropr...	10.78	75	2963	9.382	ppb		86
73) 1,2,4-Trichlorobenzene	11.60	180	18924	10.544	ppb		87
74) Hexachlorobutadiene	11.78	225	10273	10.697	ppb		90
75) Naphthalene	11.84	128	41049	10.098	ppb		97
76) 1,2,3-Trichlorobenzene	12.08	180	16030	10.249	ppb		99

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

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081604.D
Acq On : 16 Aug 2022 06:25 am
Operator : WE
Sample : 02-1926 lcs
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 08:56:15 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

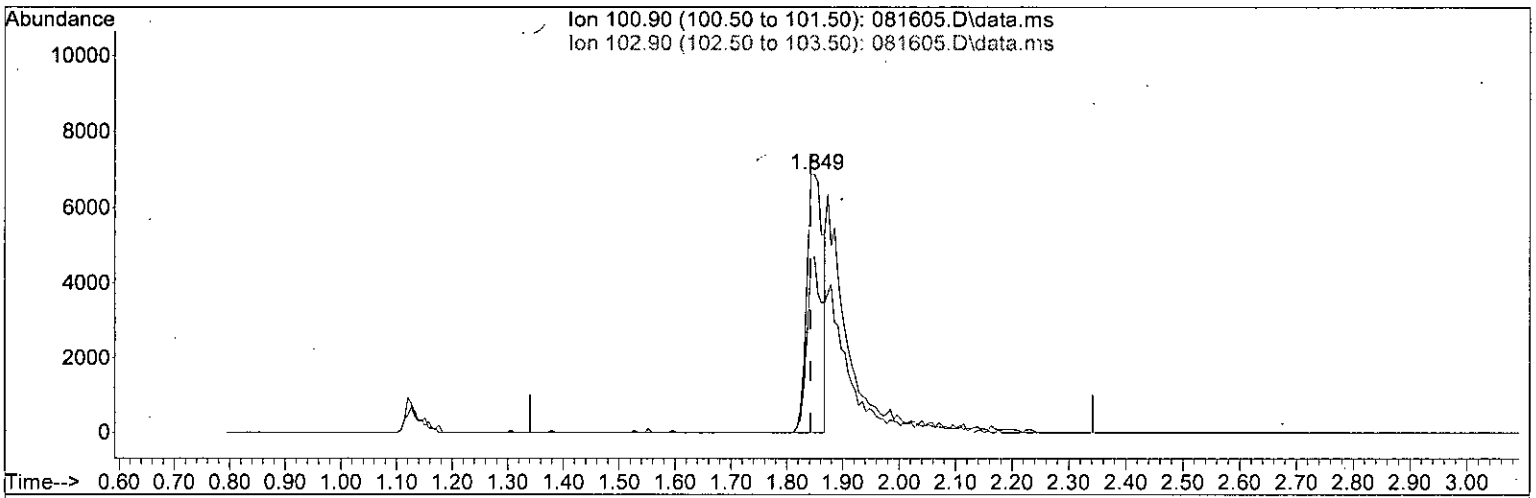


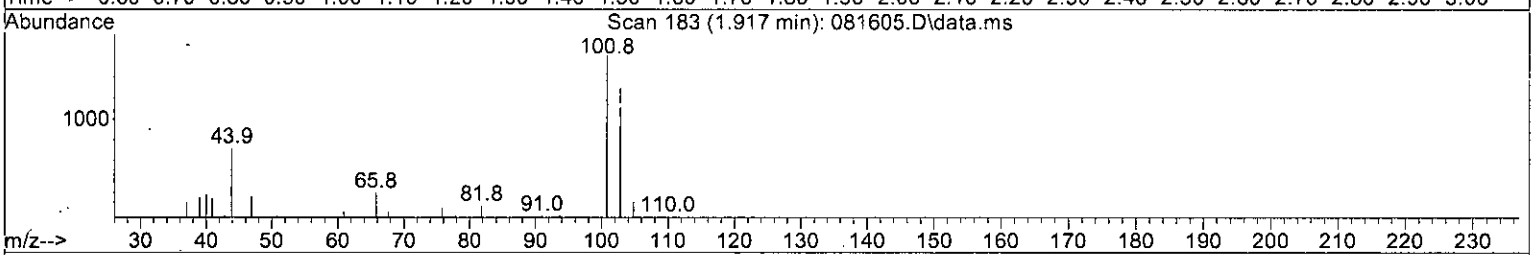


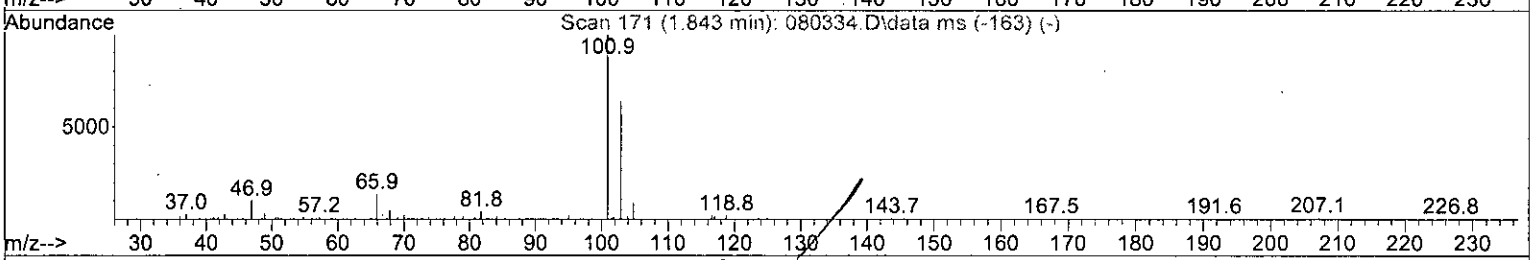
Quantitation Report (Qedit)

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081605.D
Acq On : 16 Aug 2022 06:48 am
Operator : WE
Sample : 02-1926 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 08:56:19 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 081605.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.849min (+ 0.007) 4.635 ppb

response 14082

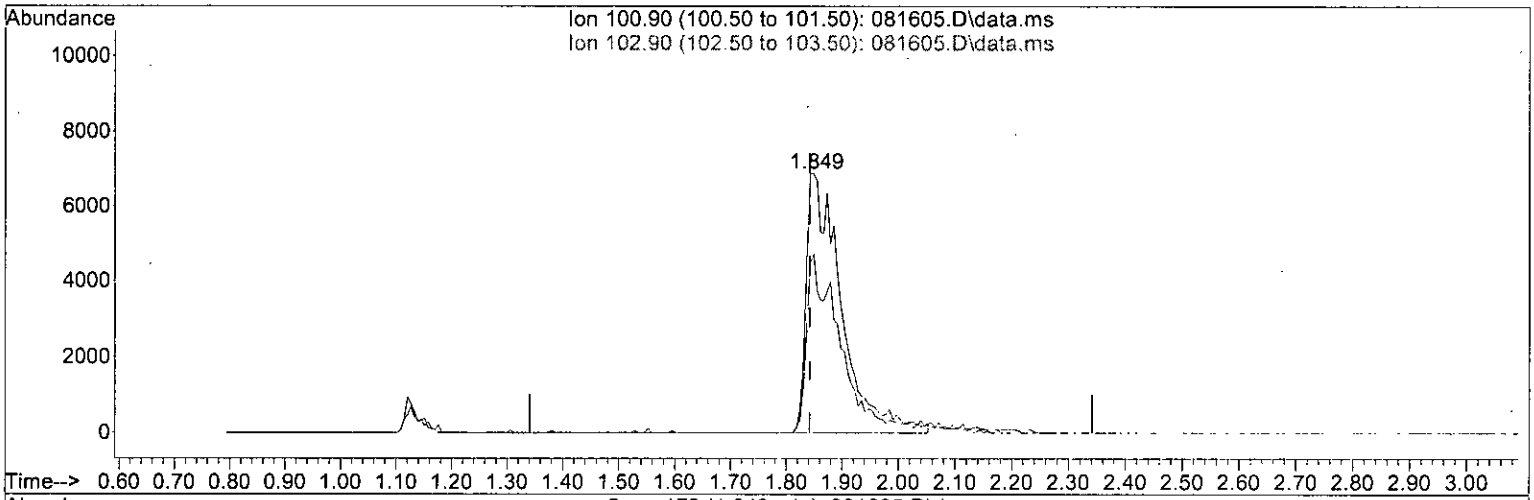
Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	68.62
0.00	0.00	0.00
0.00	0.00	0.00

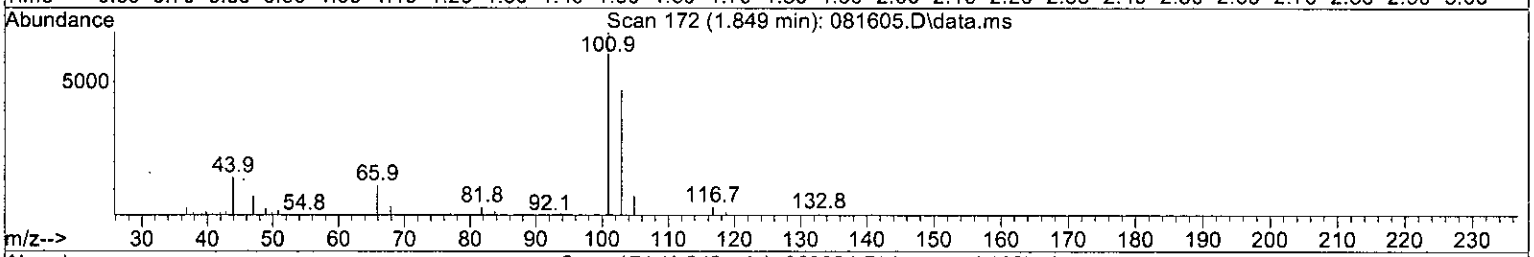
VM 8/16/22

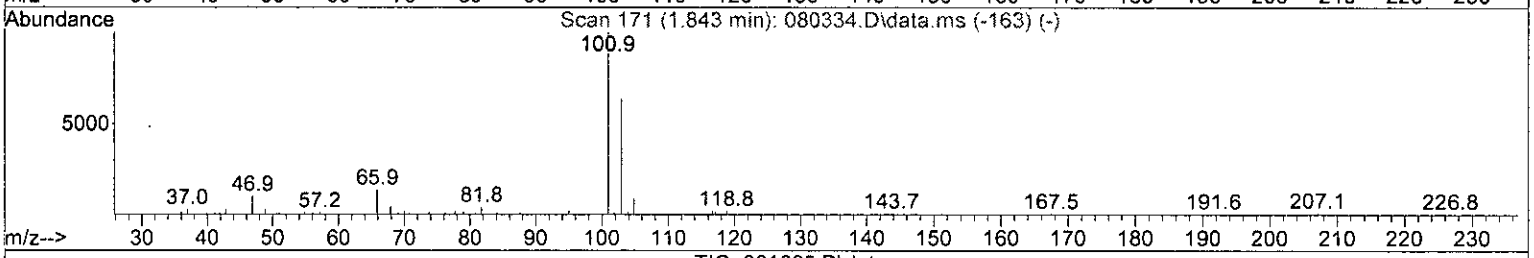
Quantitation Report (Qedit)

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081605.D
Acq On : 16 Aug 2022 06:48 am
Operator : WE
Sample : 02-1926 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 08:56:19 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 081605.D\data.ms

M 8.16.22

(9) Trichlorofluoromethane (TMP)

1.849min (+ 0.007) 9.890 ppb m

response 30046

Ion	Exp%	Act%
100.90	100.00	100.00
102.90	53.30	68.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081605.D
Acq On : 16 Aug 2022 06:48 am
Operator : WE
Sample : 02-1926 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 09:00:10 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	52633	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	40411	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	22168	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	15487	10.544	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.40%				
30) 1,2-Dichloroethane-d4	4.47	102	3177	10.094	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 100.90%				
35) Toluene-d8	6.11	98	52991	9.935	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 99.30%				
57) 4-Bromofluorobenzene	8.52	95	19155	8.830	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 88.30%				
Target Compounds							Qvalue
2) Ethanol	2.35	45	103	No Calib			
4) Dichlorodifluoromethane	1.12	85	15841	8.684	ppb		98
5) Chloromethane	1.27	50	17665	10.367	ppb		98
6] Vinyl chloride	1.35	62	17976	10.267	ppb		97
7) Bromomethane	1.60	94	11558	10.770	ppb		93
8] Chloroethane	1.66	64	9216	15.322	ppb		95
9) Trichlorofluoromethane	1.85	101	30046m	9.890	ppb		
10) 2-Propanol	2.35	45	103	No Calib			
11) Acetone	2.34	58	6243	49.789	ppb	#	60
12] 1,1-Dichloroethene	2.28	96	15548	10.718	ppb		95
13) Hexane	3.17	57	18607	10.174	ppb		94
14) Methylene chloride	2.70	84	29810	15.068	ppb		94
15) t-Butyl alcohol (TBA)	2.83	59	8789	48.916	ppb		74
16] Methyl t-butyl ether (...	2.95	73	45644	10.481	ppb		96
17] trans-1,2-Dichloroethene	2.93	96	18020	10.435	ppb		90
18) Diisopropyl ether (DIPE)	3.36	45	40436	10.048	ppb		96
19] 1,1-Dichloroethane	3.29	63	28321	10.555	ppb		100
20) Ethyl t-butyl ether (E...	3.67	87	17152	9.869	ppb		86
21) 2,2-Dichloropropane	3.78	77	17435	11.517	ppb		86
22] cis-1,2-Dichloroethene	3.78	96	19026	10.492	ppb		97
23) Chloroform	4.05	83	28281	10.360	ppb		94
24) 2-Butanone (MEK)	3.80	43	35719	49.989	ppb		96
25) t-Amyl methyl ether (T...	4.62	73	38662	9.794	ppb		93
26] 1,2-Dichloroethane (EDC)	4.53	62	22590	11.061	ppb		98
27] 1,1,1-Trichloroethane	4.20	97	28843	11.097	ppb		99
28) 1,1-Dichloropropene	4.34	75	20548	10.525	ppb		91
29) Carbon tetrachloride	4.34	117	22788	10.828	ppb		93
31] Benzene	4.51	78	67646	10.364	ppb		96
32] Trichloroethene	5.06	95	19647	10.418	ppb		84
33) 1,2-Dichloropropane	5.25	63	14569	9.946	ppb		92
34) Bromodichloromethane	5.49	83	20789	10.050	ppb		98
36) Dibromomethane	5.35	93	11059	10.642	ppb	#	72
37) 4-Methyl-2-pentanone	6.02	85	13879	49.830	ppb		94
38) cis-1,3-Dichloropropene	5.88	75	24747	10.203	ppb		100
40] Toluene	6.16	92	42283	10.330	ppb		96
41) trans-1,3-Dichloropropene	6.37	75	22423	10.074	ppb		92

Quantitation Report (QT Reviewed)

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081605.D
Acq On : 16 Aug 2022 06:48 am
Operator : WE
Sample : 02-1926 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 09:00:10 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

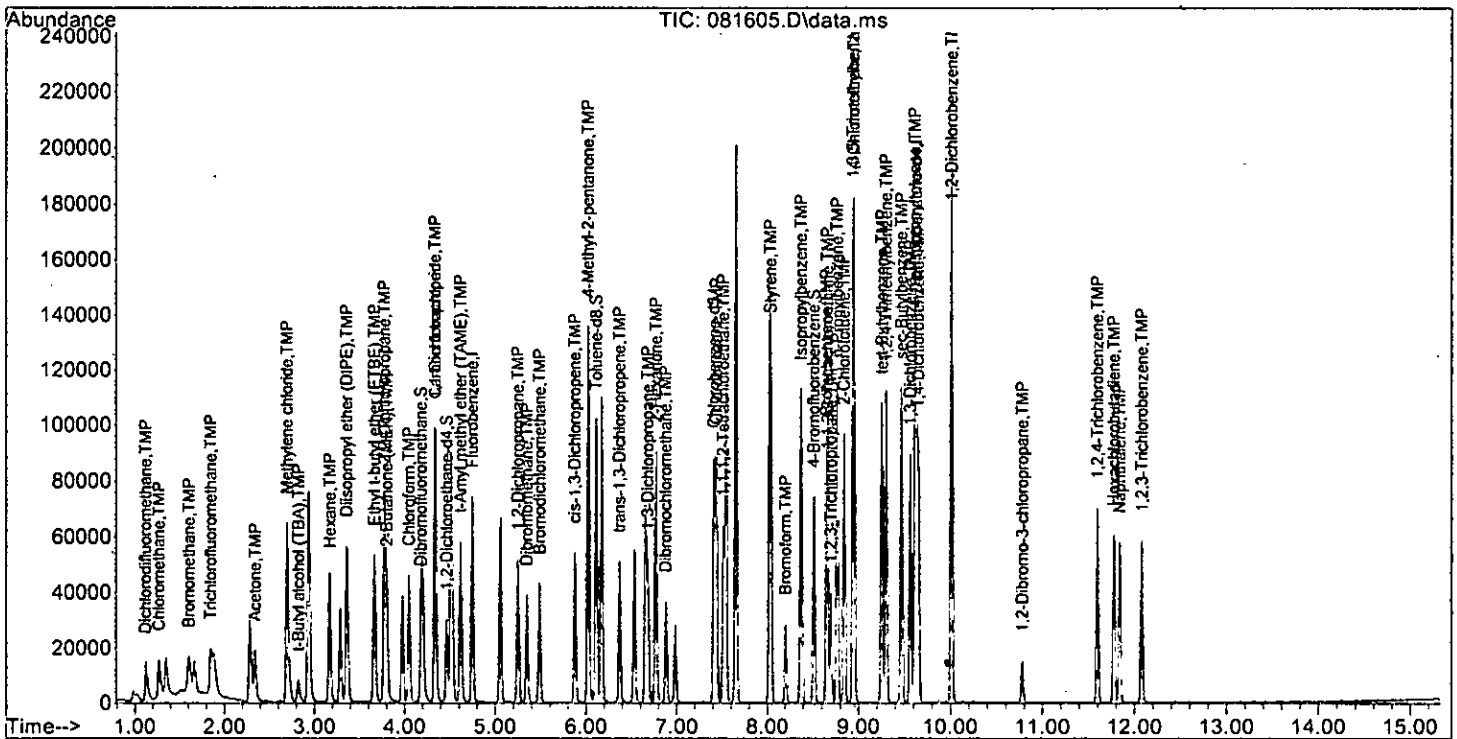
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42] 1,1,2-Trichloroethane	6.53	83	14218	10.098	ppb	#	59
43) 2-Hexanone	6.77	43	51436	48.533	ppb		94
44) 1,3-Dichloropropane	6.68	76	22394	10.282	ppb		95
45] Tetrachloroethene	6.65	164	15713	10.964	ppb		90
46) Dibromochloromethane	6.88	129	16433	10.027	ppb		95
47] 1,2-Dibromoethane (EDB)	6.98	107	17323	10.109	ppb		83
48) Chlorobenzene	7.44	112	40255	10.339	ppb		88
49] Ethylbenzene	7.54	91	79291	10.125	ppb		88
50) 1,1,1,2-Tetrachloroethane	7.51	131	14588	10.530	ppb		93
51] m,p-Xylene	7.66	106	58393	21.150	ppb		86
52] o-Xylene	8.03	106	29017	10.406	ppb		100
53) Styrene	8.04	104	39441	10.180	ppb		95
54) Isopropylbenzene	8.37	105	63411	10.108	ppb		94
55) Bromoform	8.20	173	10436	10.016	ppb		91
58) n-Propylbenzene	8.77	91	75629	9.171	ppb		87
59) Bromobenzene	8.65	156	16732	9.836	ppb	#	75
60) 1,3,5-Trimethylbenzene	8.94	105	51059	9.438	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.66	83	18982	9.199	ppb		97
62) 1,2,3-Trichloropropane	8.70	75	13547	9.638	ppb		83
63) 2-Chlorotoluene	8.84	91	44490	9.550	ppb		88
64) 4-Chlorotoluene	8.95	91	51094	9.273	ppb		91
65) tert-Butylbenzene	9.26	119	46073	9.556	ppb		88
66) 1,2,4-Trimethylbenzene	9.30	105	52773	9.275	ppb		96
67) sec-Butylbenzene	9.47	105	67800	9.414	ppb		94
68) p-Isopropyltoluene	9.61	119	55963	9.557	ppb		95
69) 1,3-Dichlorobenzene	9.56	146	31296	9.926	ppb		96
70) 1,4-Dichlorobenzene	9.65	146	31597	10.195	ppb		95
71) 1,2-Dichlorobenzene	10.01	146	29889	9.863	ppb		91
72) 1,2-Dibromo-3-chloropr...	10.78	75	3003	9.169	ppb		90
73) 1,2,4-Trichlorobenzene	11.60	180	18360	9.864	ppb		77
74) Hexachlorobutadiene	11.78	225	10176	10.218	ppb		91
75) Naphthalene	11.84	128	40177	9.531	ppb		98
76) 1,2,3-Trichlorobenzene	12.08	180	15575	9.603	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081605.D
Acq On : 16 Aug 2022 06:48 am
Operator : WE
Sample : 02-1926 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 09:00:10 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (QT Reviewed)

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081607.D
Acq On : 16 Aug 2022 07:33 am
Operator : WE
Sample : 02-1926 mb
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 08:58:32 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.75	96	53322	10.000 ppb	0.00
39) Chlorobenzene-d5	7.41	117	43318	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	21297	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	15325	10.299 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.00%		
30) 1,2-Dichloroethane-d4	4.46	102	3066	9.615 ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 96.20%		
35) Toluene-d8	6.11	98	54140	10.019 ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 100.20%		
57) 4-Bromofluorobenzene	8.52	95	19285	9.253 ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 92.50%		
Target Compounds					Qvalue
2) Ethanol	2.34	45	54	No Calib	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	0.00		0	N.D. d	
6) Vinyl chloride	0.00		0	N.D.	
7) Bromomethane	0.00		0	N.D. d	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	2.34	45	54	No Calib	
11) Acetone	2.33	58	211	1.661 ppb #	73
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	3.17	57	80	0.043 ppb #	25
14) Methylene chloride	2.69	84	12761	2.284 ppb	93
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D. d	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	0.00		0	N.D. d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	0.00		0	N.D.	
24) 2-Butanone (MEK)	0.00		0	N.D. d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26) 1,2-Dichloroethane (EDC)	4.52	62	52	N.D.	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	4.51	78	38	N.D.	
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	6.16	92	70	N.D.	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081607.D
Acq On : 16 Aug 2022 07:33 am
Operator : WE
Sample : 02-1926 mb
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

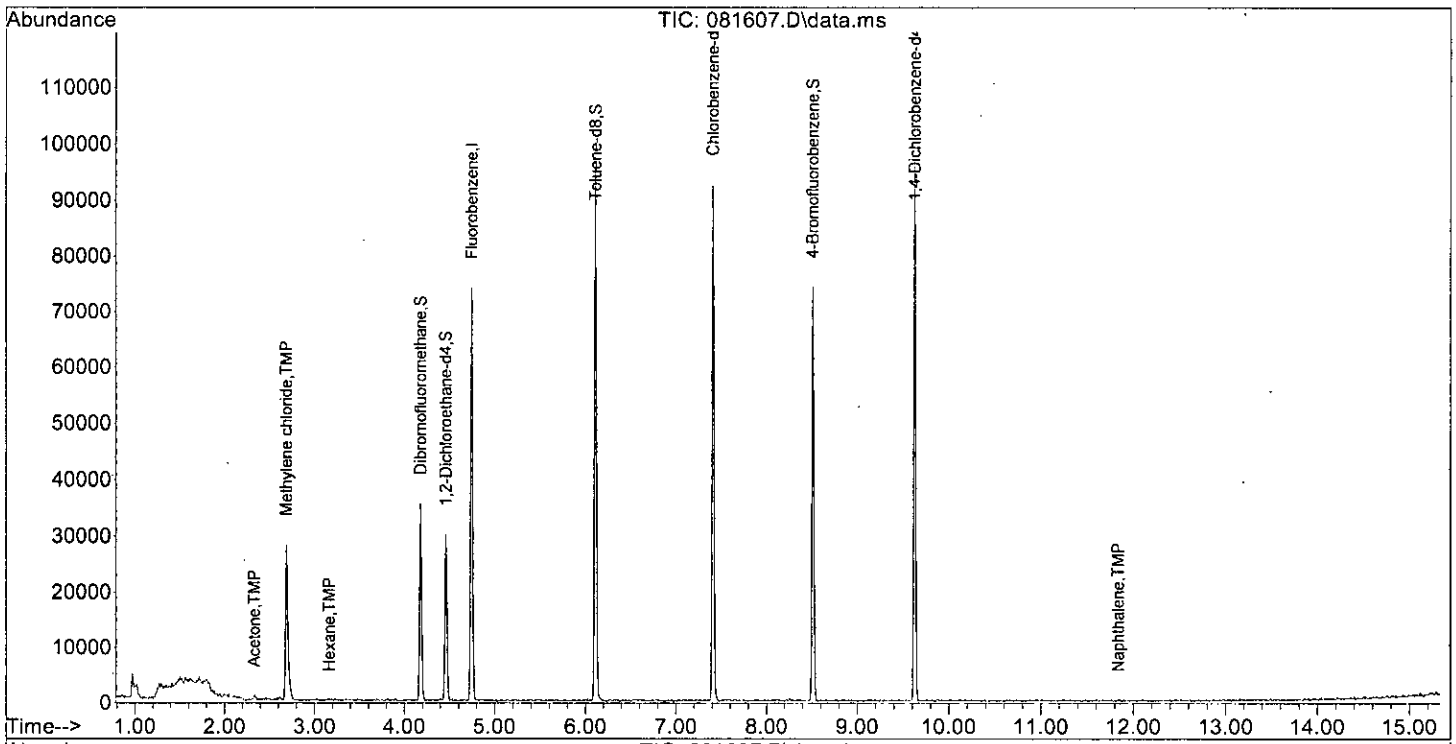
Quant Time: Aug 16 08:58:32 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

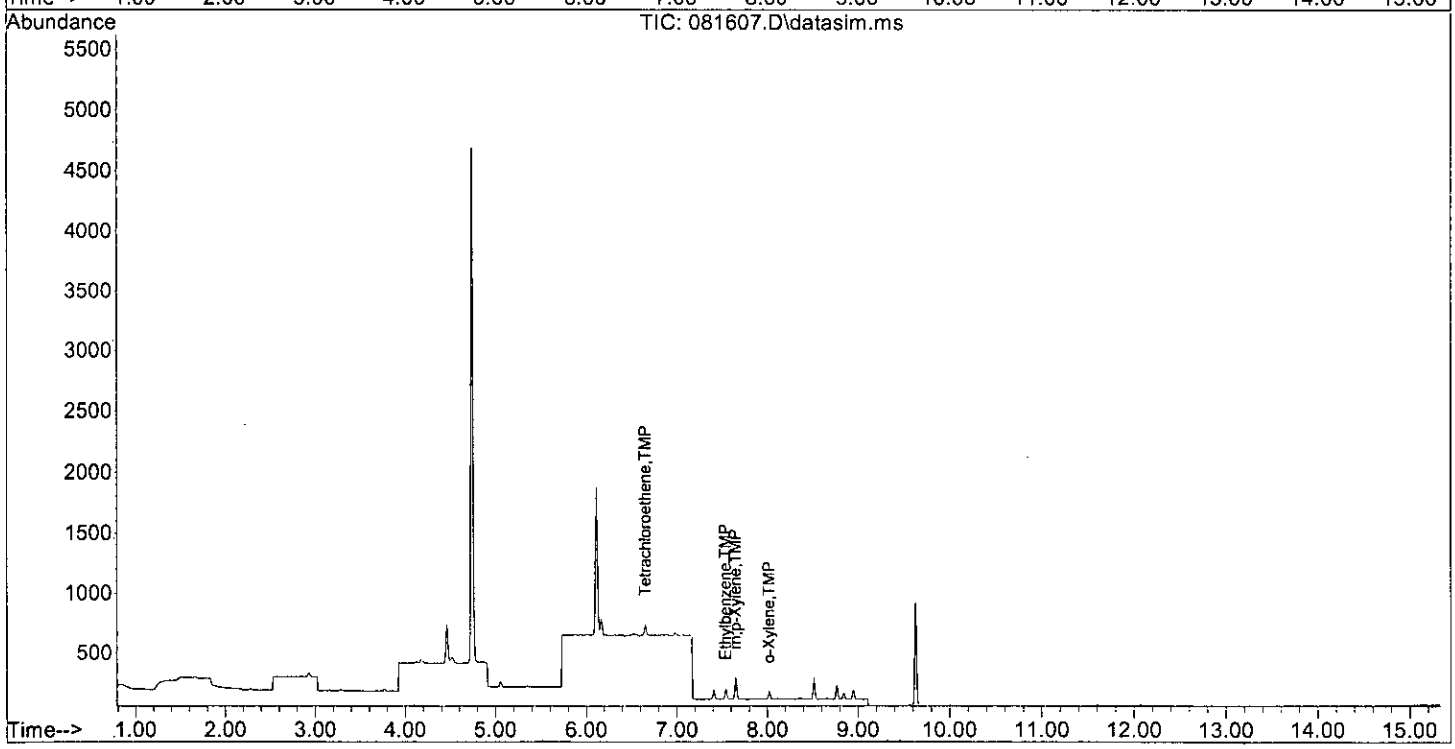
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	1,1,2-Trichloroethane	0.00		0	N.D.			
43)	2-Hexanone	0.00		0	N.D.	d		
44)	1,3-Dichloropropane	0.00		0	N.D.			
45]	Tetrachloroethene	6.65	164	41	0.013	ppb		92
46)	Dibromochloromethane	0.00		0	N.D.			
47)	1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48)	Chlorobenzene	0.00		0	N.D.			
49]	Ethylbenzene	7.54	91	100	0.012	ppb		87
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51]	m,p-Xylene	7.65	106	84	0.013	ppb	#	71
52]	o-Xylene	8.02	106	33	0.011	ppb		99
53)	Styrene	0.00		0	N.D.			
54)	Isopropylbenzene	0.00		0	N.D.			
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	0.00		0	N.D.	d		
59)	Bromobenzene	0.00		0	N.D.			
60)	1,3,5-Trimethylbenzene	0.00		0	N.D.			
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62)	1,2,3-Trichloropropane	0.00		0	N.D.	d		
63)	2-Chlorotoluene	0.00		0	N.D.	d		
64)	4-Chlorotoluene	8.94	91	49	N.D.			
65)	tert-Butylbenzene	9.25	119	20	N.D.			
66)	1,2,4-Trimethylbenzene	0.00		0	N.D.	d		
67)	sec-Butylbenzene	9.46	105	38	N.D.			
68)	p-Isopropyltoluene	0.00		0	N.D.	d		
69)	1,3-Dichlorobenzene	0.00		0	N.D.	d		
70)	1,4-Dichlorobenzene	0.00		0	N.D.	d		
71)	1,2-Dichlorobenzene	0.00		0	N.D.	d		
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	0.00		0	N.D.			
74)	Hexachlorobutadiene	0.00		0	N.D.			
75)	Naphthalene	11.84	128	215	0.053	ppb		68
76)	1,2,3-Trichlorobenzene	0.00		0	N.D.	d		

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

Data Path : M:\GCMS13_Data\08-16-22\
Data File : 081607.D
Acq On : 16 Aug 2022 07:33 am
Operator : WE
Sample : 02-1926 mb
Misc : water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 08:58:32 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

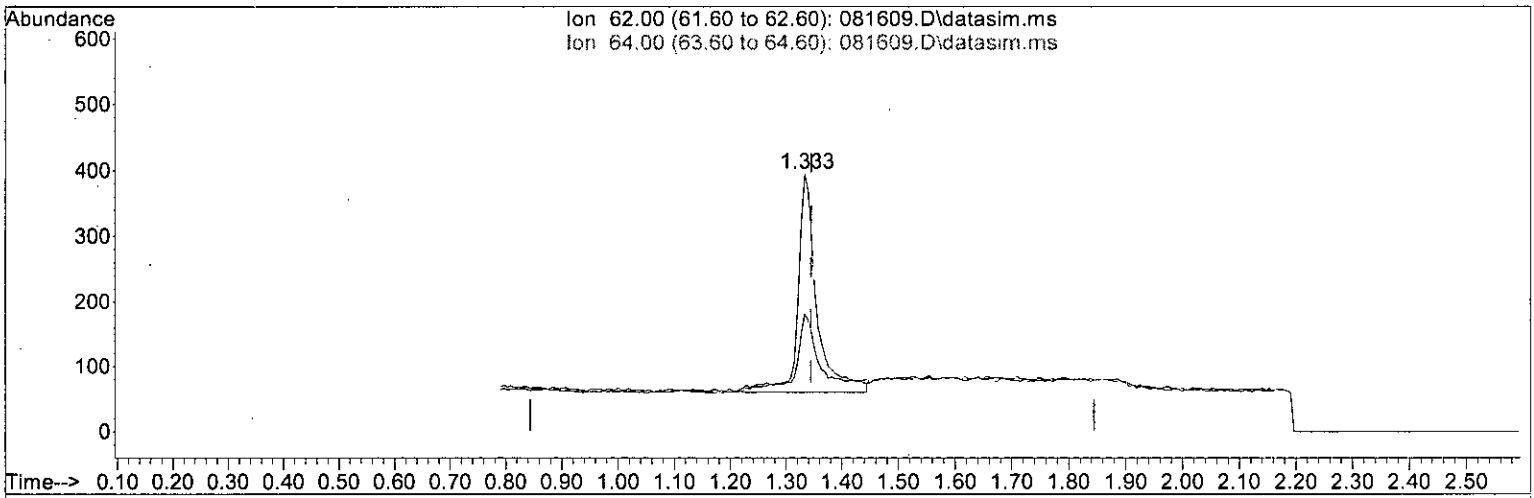


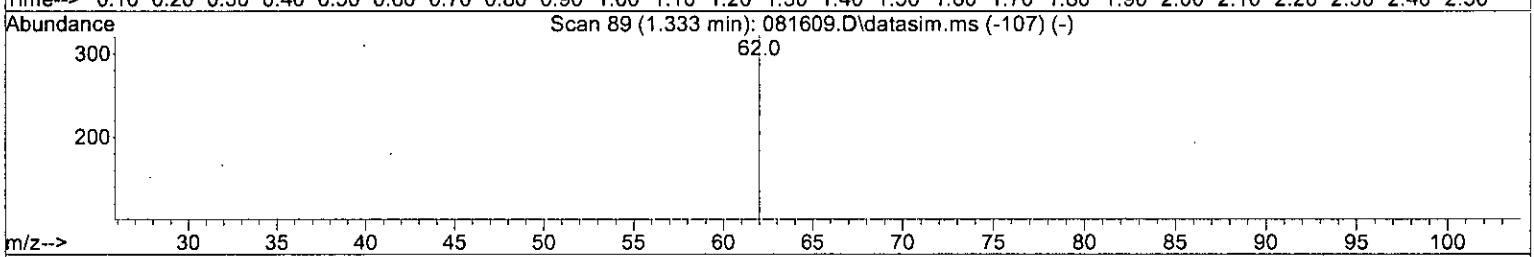


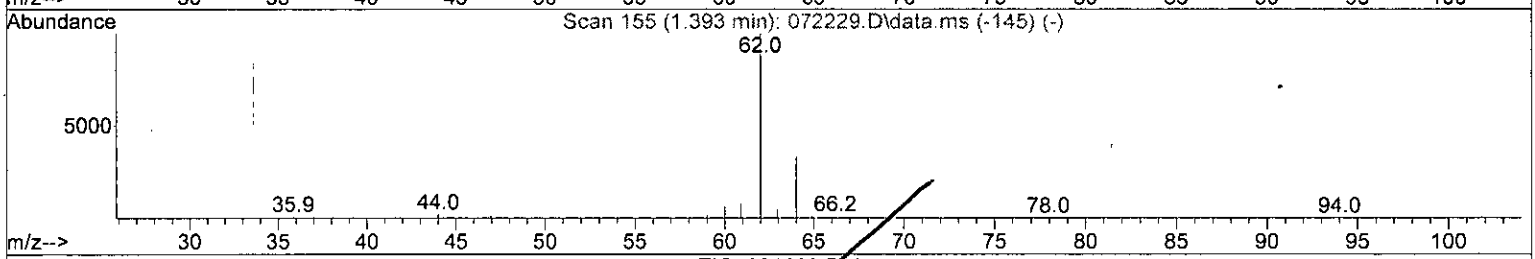
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 12:02:50 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 081609.D\data.ms

(6) Vinyl chloride (TMP)

1.333min (-0.012) 0.452 ppb

response 799

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.30	34.63
0.00	0.00	0.00
0.00	0.00	0.00

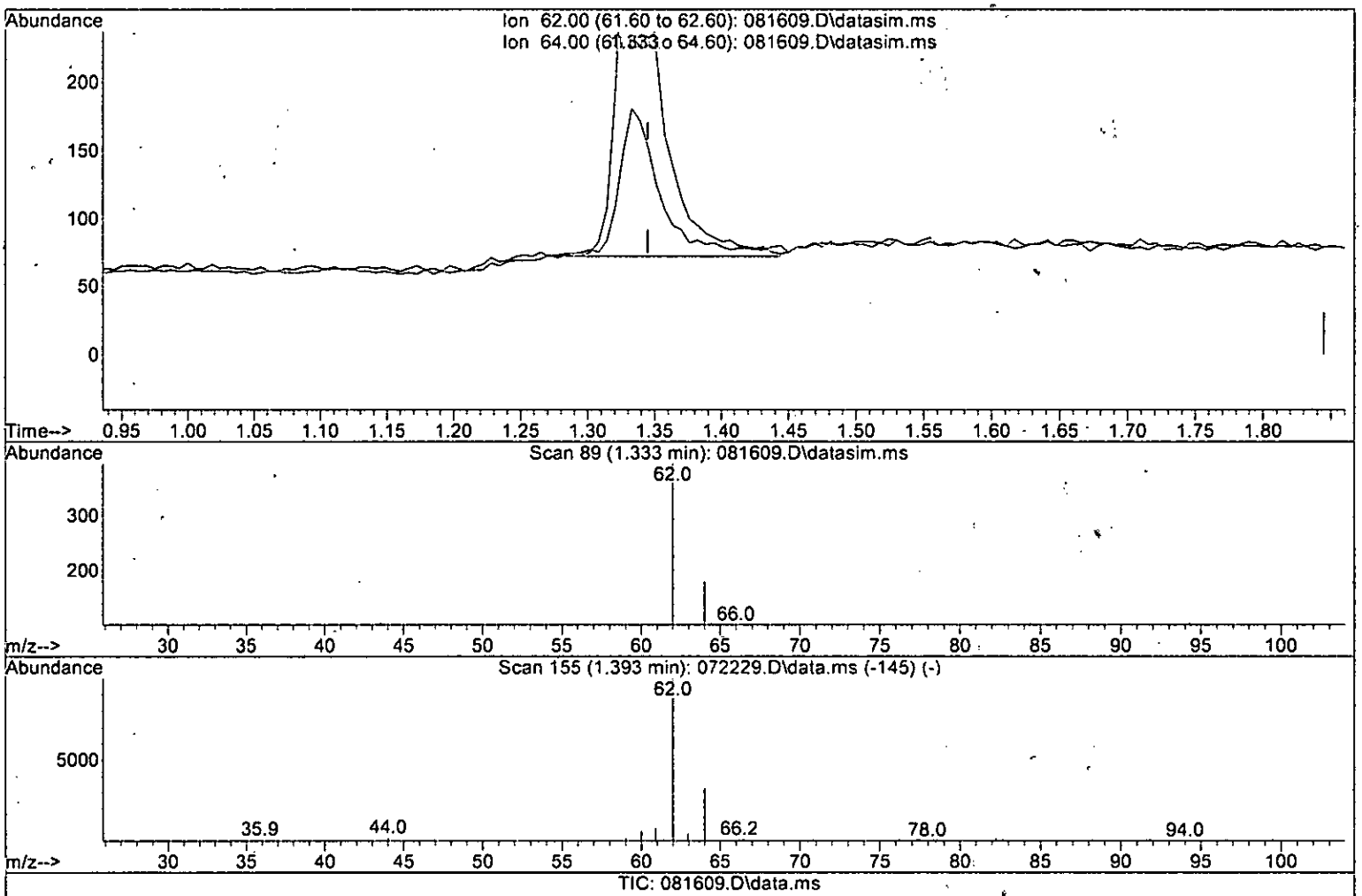
m 8.17.22

VB080322ms13 8/17 JLM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 12:02:50 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 081609.D\data.ms

m 8.17.22

(6) Vinyl chloride (TMP)

1.333min (-0.012) 0.366 ppb m

response 646

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.30	45.82
0.00	0.00	0.00
0.00	0.00	0.00

VB 080322ms13 8/17 dm

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:04:39 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

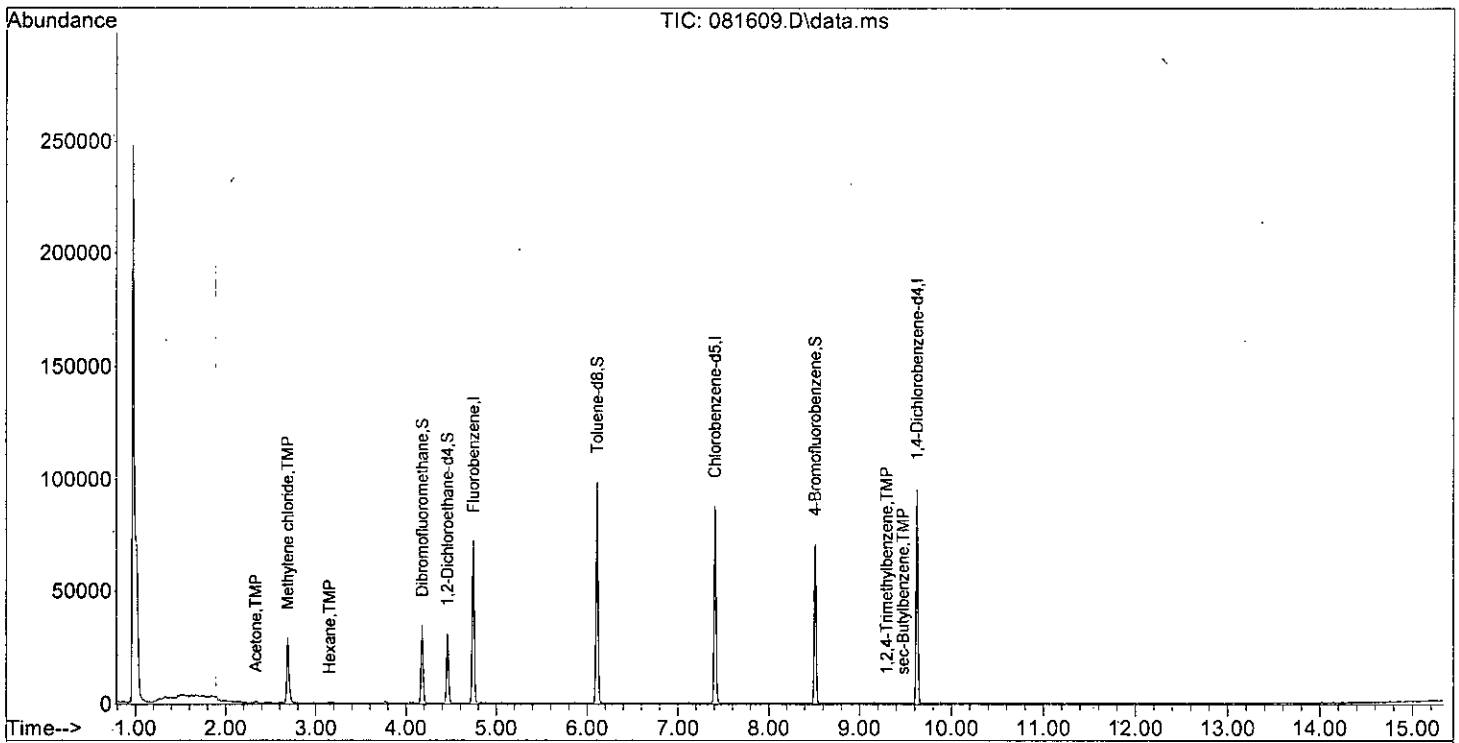
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	53093	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	40056	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	20752	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	14805	9.993	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.90%				
30) 1,2-Dichloroethane-d4	4.46	102	3446	10.854	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 108.50%				
35) Toluene-d8	6.11	98	53153	9.879	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 98.80%				
57) 4-Bromofluorobenzene	8.52	95	19040	9.376	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 93.80%				
Target Compounds							Qvalue
6] Vinyl chloride	1.33	62	646m	0.366	ppb		
11) Acetone	2.34	58	188	1.486	ppb		96
13) Hexane	3.15	57	53	0.029	ppb	#	25
14) Methylene chloride	2.69	84	12142	1.866	ppb		98
22] cis-1,2-Dichloroethene	3.77	96	366	0.200	ppb		93
31] Benzene	4.50	78	90	0.014	ppb		91
32] Trichloroethene	5.05	95	44	0.023	ppb	#	68
51] m,p-Xylene	7.65	106	77	0.013	ppb		83
52] o-Xylene	8.02	106	33	0.012	ppb		87
66) 1,2,4-Trimethylbenzene	9.30	105	58	0.011	ppb	#	29
67) sec-Butylbenzene	9.47	105	71	0.011	ppb		53

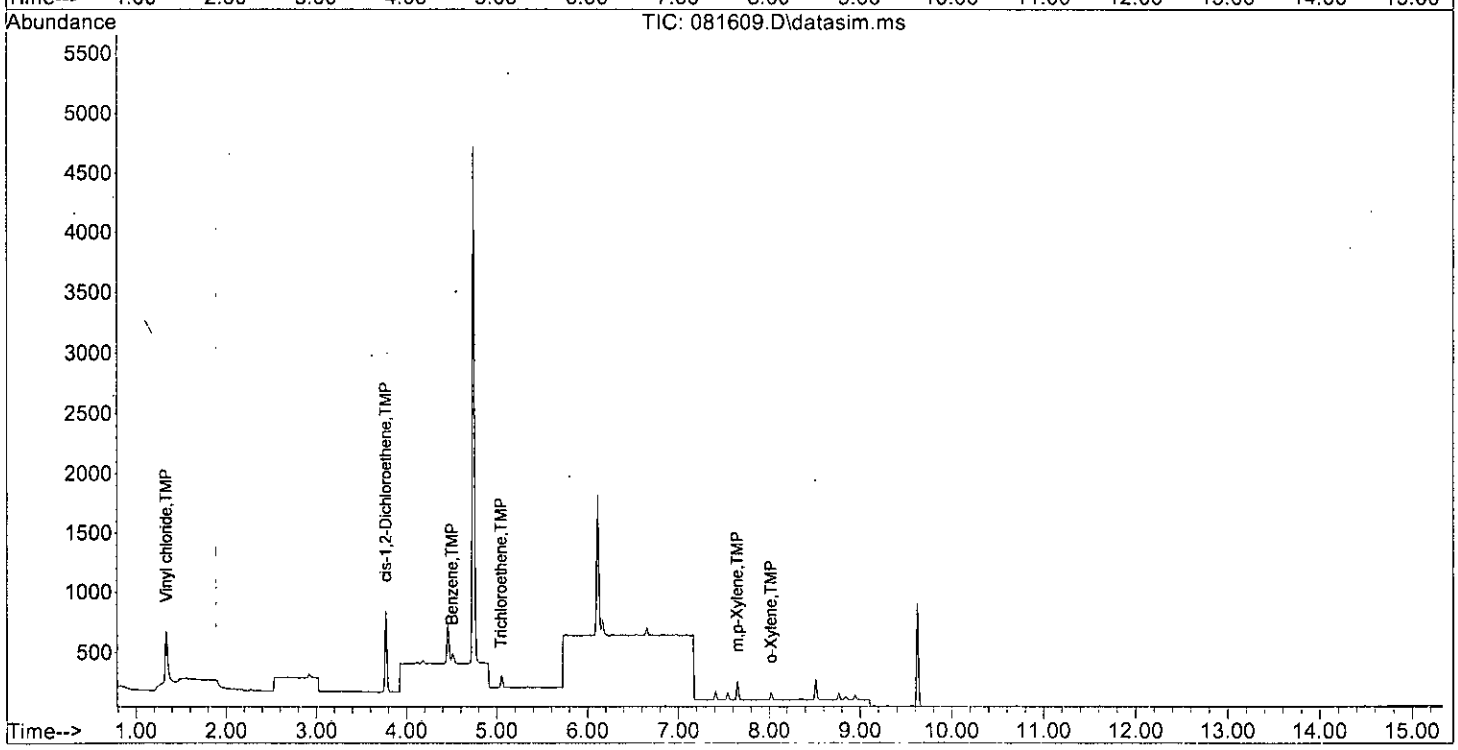
(#) = qualifier out of range (m) = manual integration (+) = signals summed

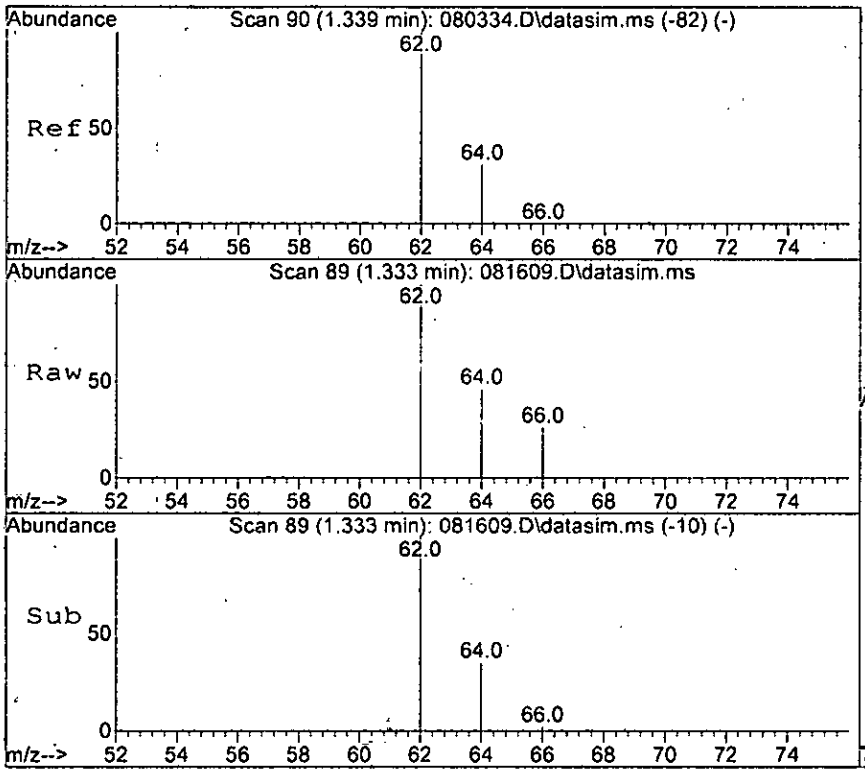
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:04:39 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



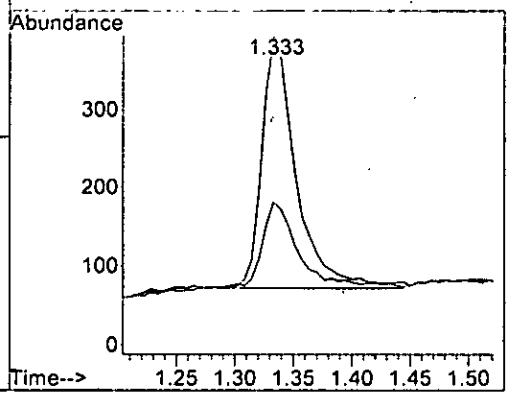


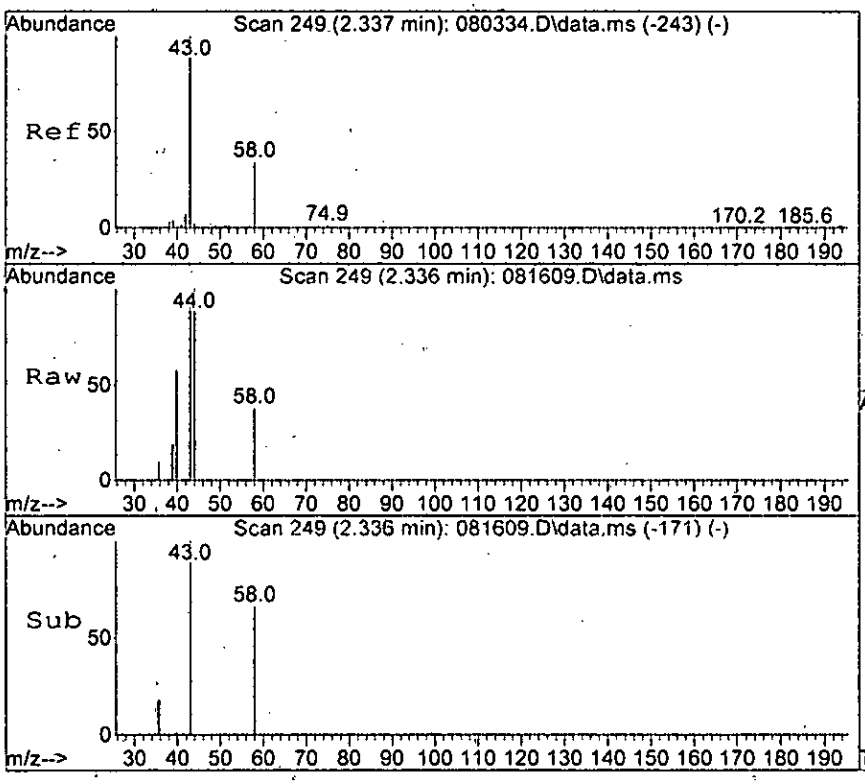


#6
Vinyl chloride
Concen: 0.366 ppb m
RT: 1.33 min Scan# 89
Delta R.T. -0.012 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 62 Resp: 646

Ion	Ratio	Lower	Upper
62	100		
64	45.8	3.3	63.3

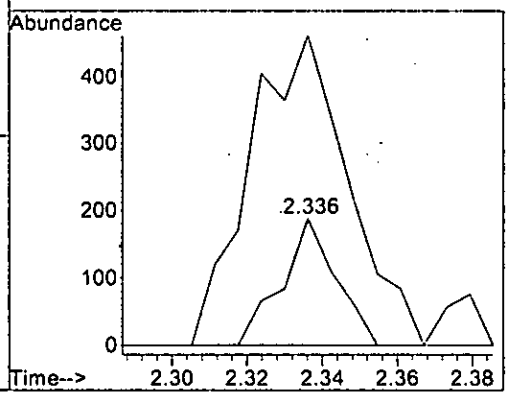


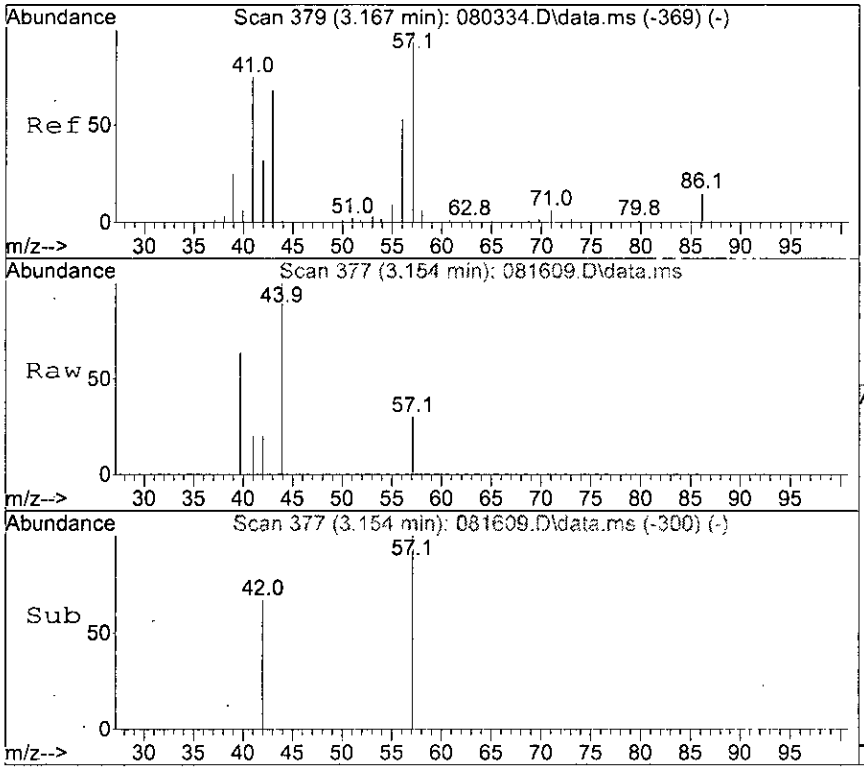


#11
Acetone
Concen: 1.486 ppb
RT: 2.34 min Scan# 249
Delta R.T. -0.006 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 58 Resp: 188

Ion	Ratio	Lower	Upper
58	100		
43	446.8	406.5	466.5

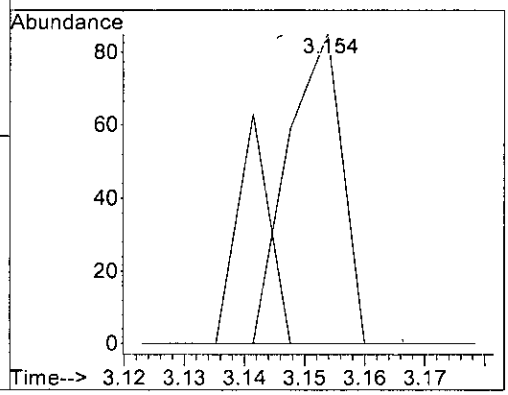


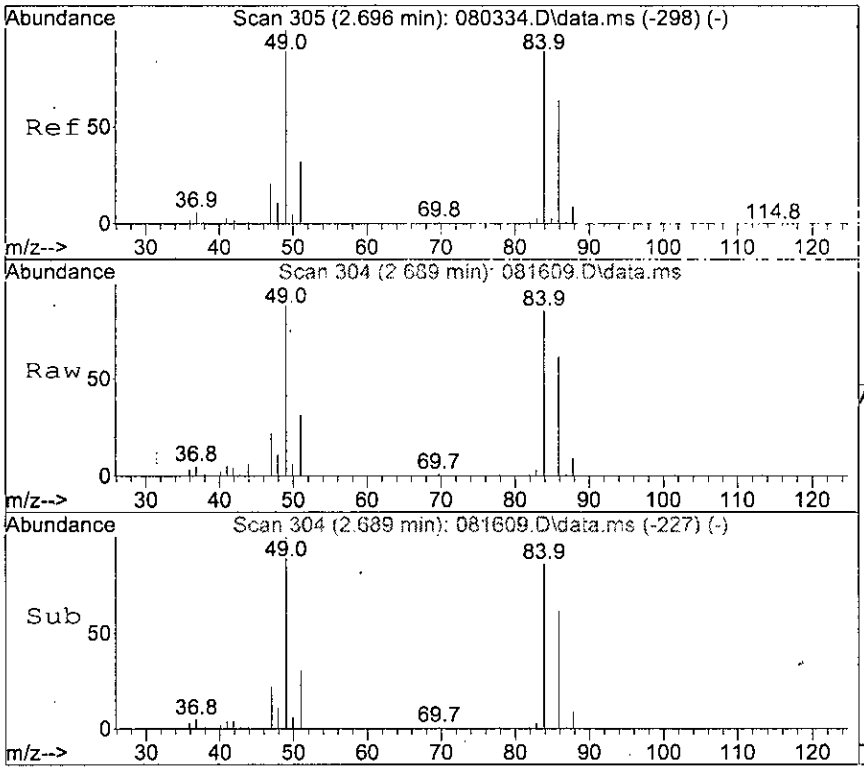


#13
Hexane
Concen: 0.029 ppb
RT: 3.15 min Scan# 377
Delta R.T. -0.012 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 57 Resp: 53

Ion	Ratio	Lower	Upper
57	100		
43	0.0	38.2	98.2#
86	0.0	0.0	46.5

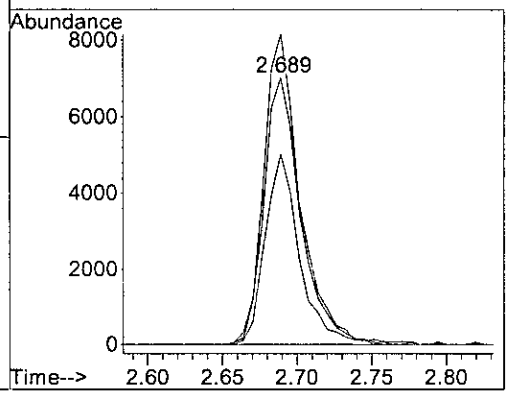


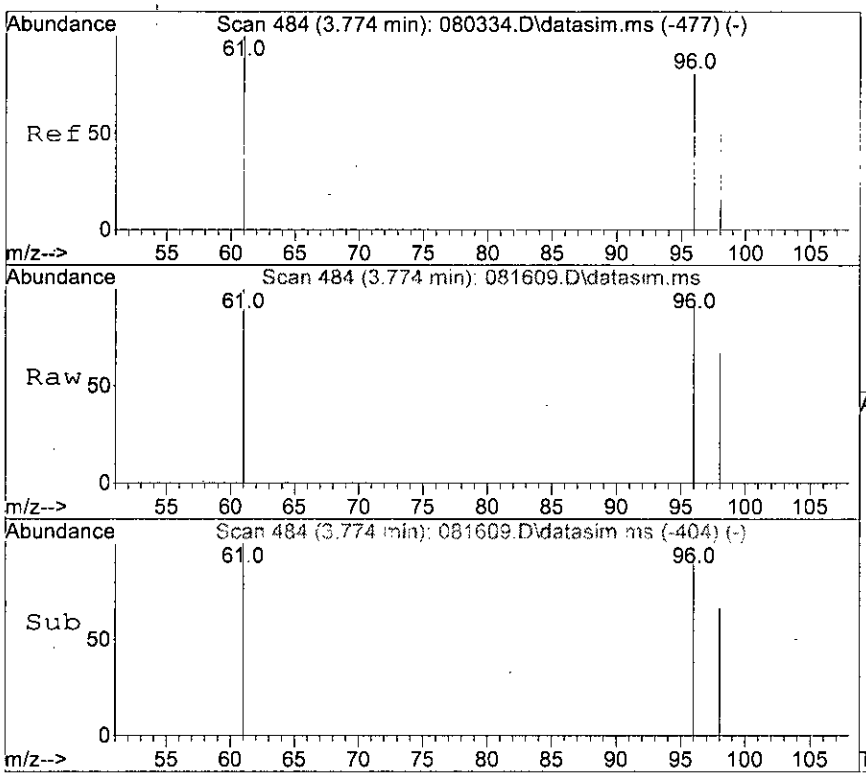


#14
Methylene chloride
Concen: 1.866 ppb
RT: 2.69 min Scan# 304
Delta R.T. -0.006 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 84 Resp: 12142

Ion	Ratio	Lower	Upper
84	100		
86	71.6	42.8	102.8
49	116.1	84.1	144.1

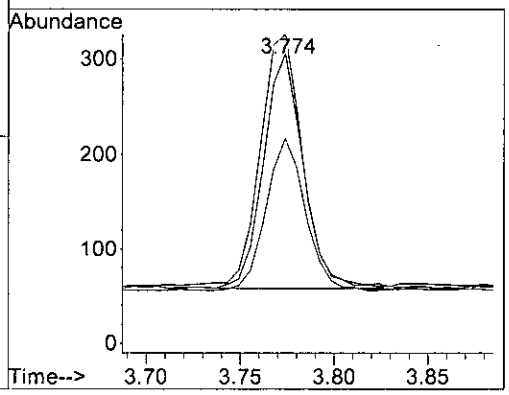


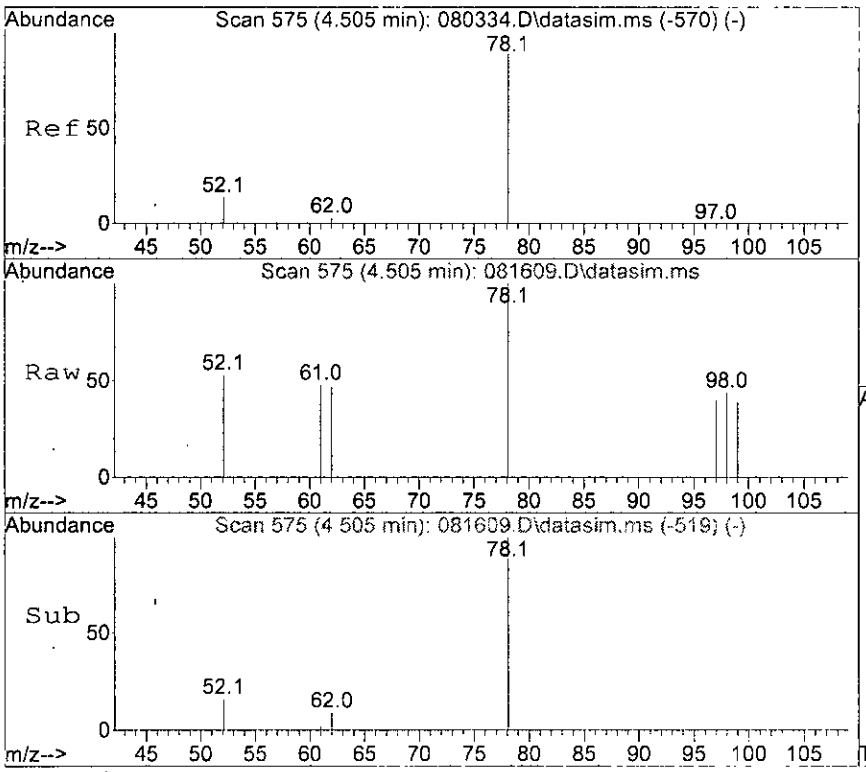


#22
cis-1,2-Dichloroethene
Concen: 0.200 ppb
RT: 3.77 min Scan# 484
Delta R.T. -0.006 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 96 Resp: 366

Ion	Ratio	Lower	Upper
96	100		
61	106.0	86.8	146.8
98	64.9	34.0	94.0

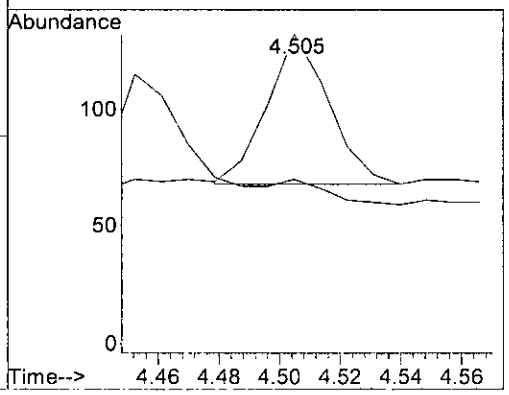


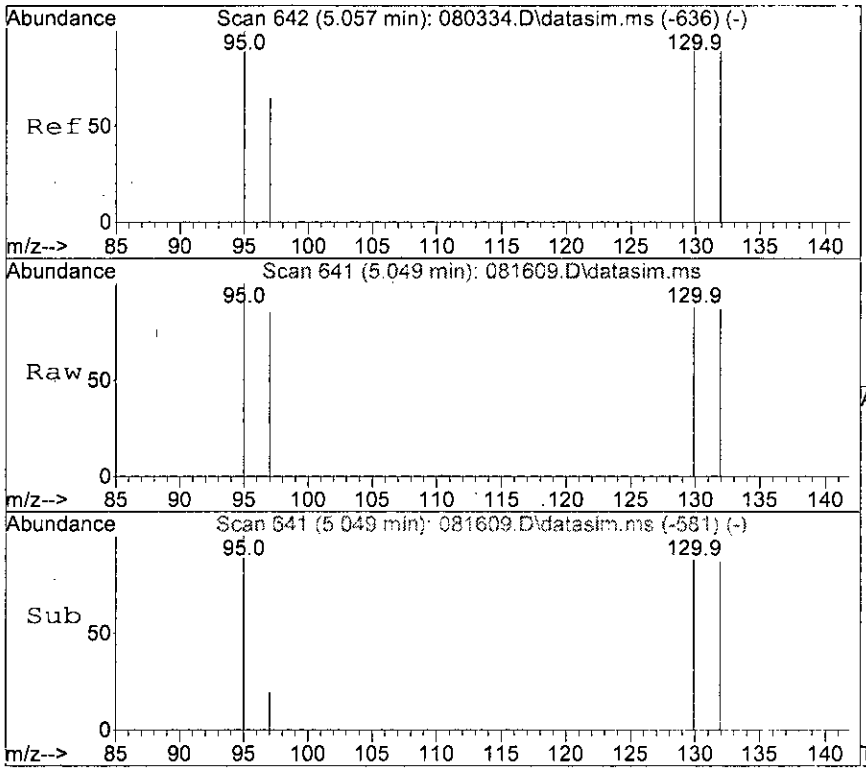


#31
Benzene
Concen: 0.014 ppb
RT: 4.50 min Scan# 575
Delta R.T. -0.009 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 78 Resp: 90

Ion	Ratio	Lower	Upper
78	100		
52	17.2	0.0	43.7

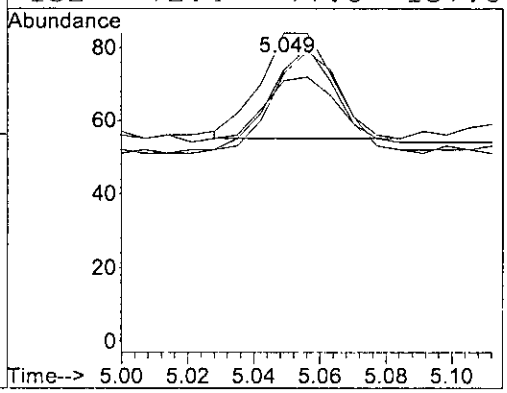


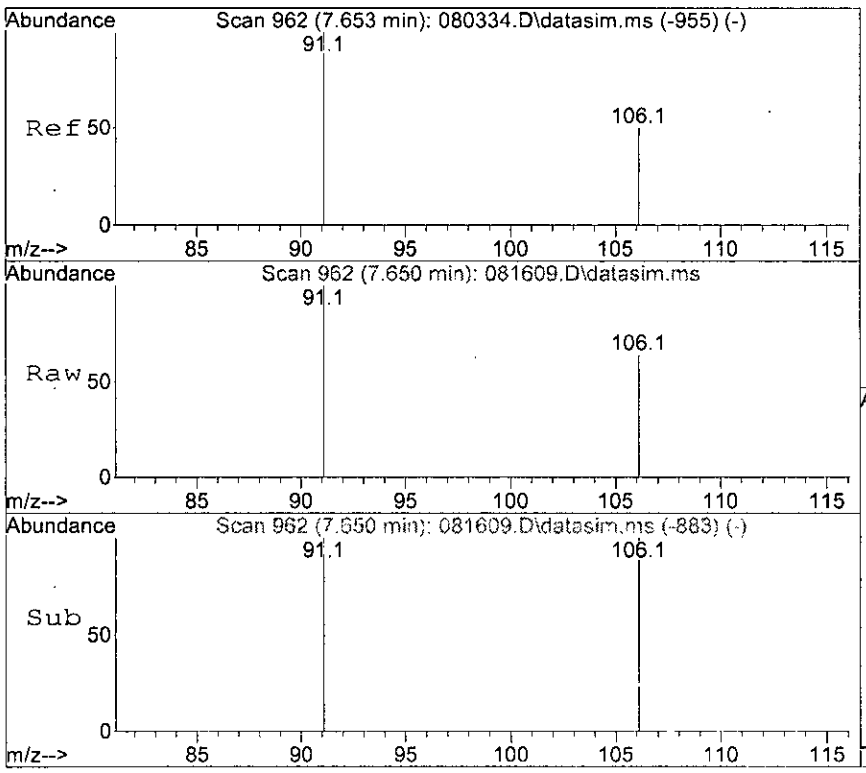


#32
Trichloroethene
Concen: 0.023 ppb
RT: 5.05 min Scan# 641
Delta R.T. -0.007 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 95 Resp: 44

Ion	Ratio	Lower	Upper
95	100		
97	58.6	32.6	92.6
130	75.9	94.9	154.9#
132	72.4	77.8	137.8#

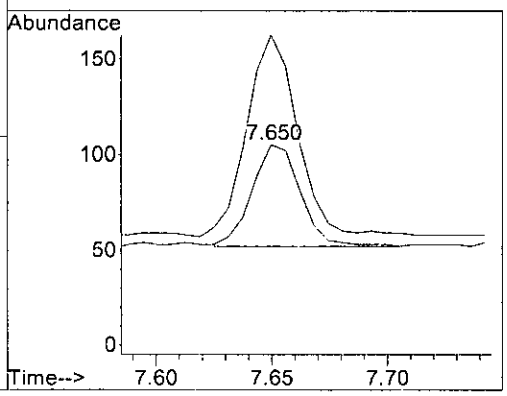


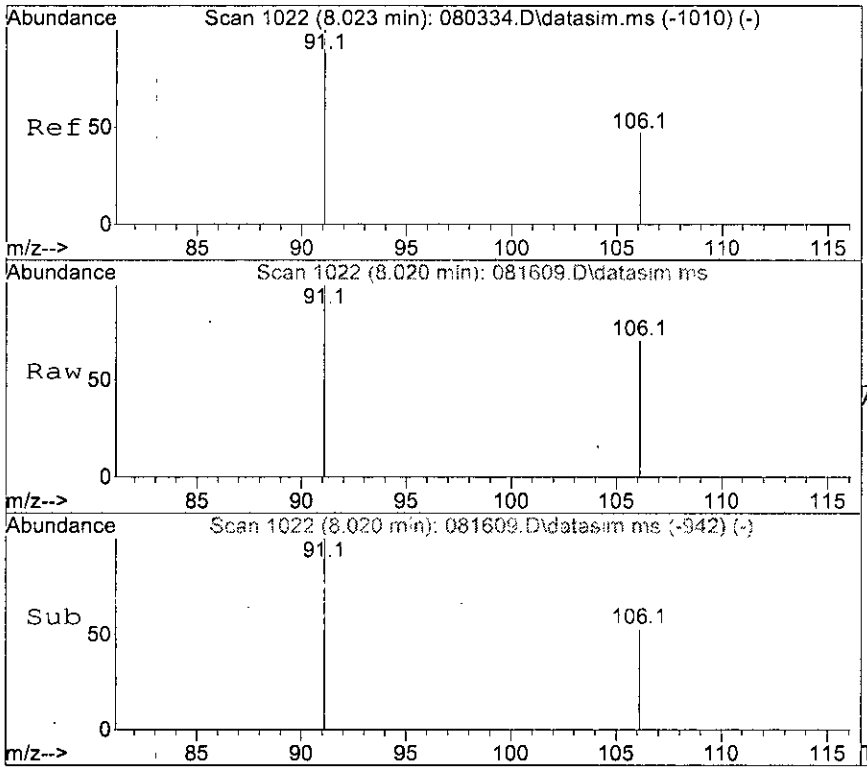


#51
m,p-Xylene
Concen: 0.013 ppb
RT: 7.65 min Scan# 962
Delta R.T. -0.006 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion:106 Resp: 77

Ion	Ratio	Lower	Upper
106	100		
91	196.2	142.1	202.1

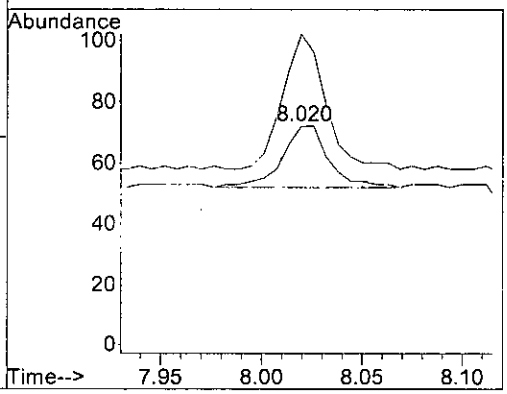


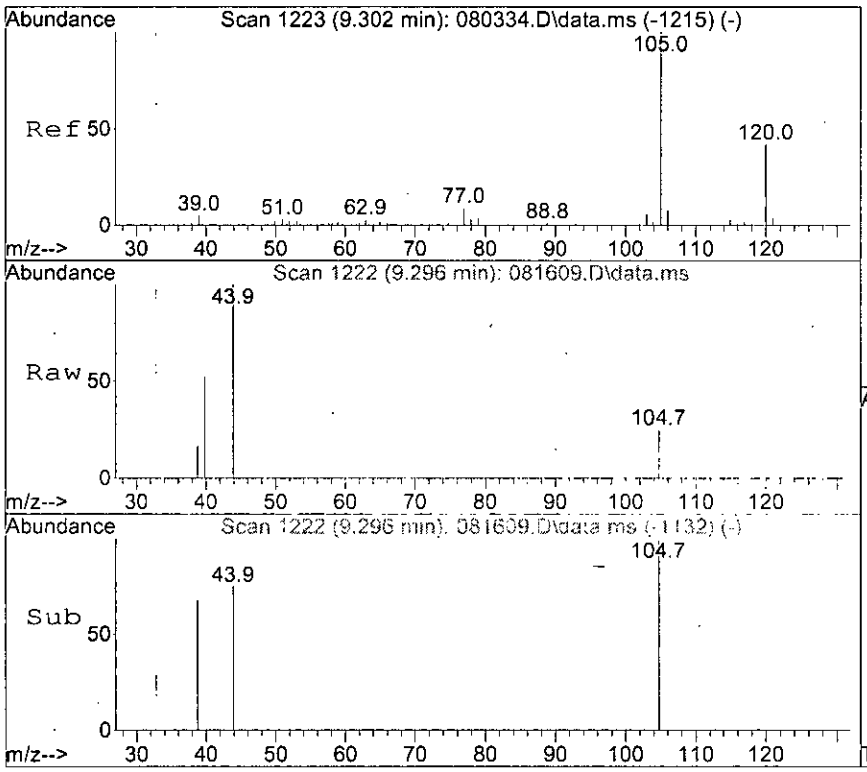


#52
o-Xylene
Concen: 0.012 ppb
RT: 8.02 min Scan# 1022
Delta R.T. -0.006 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion:106 Resp: 33

Ion	Ratio	Lower	Upper
106	100		
91	220.0	171.0	231.0

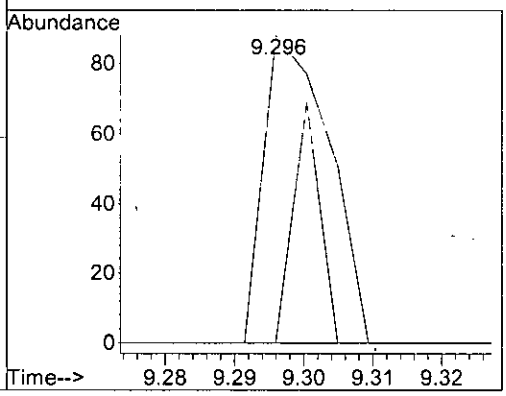


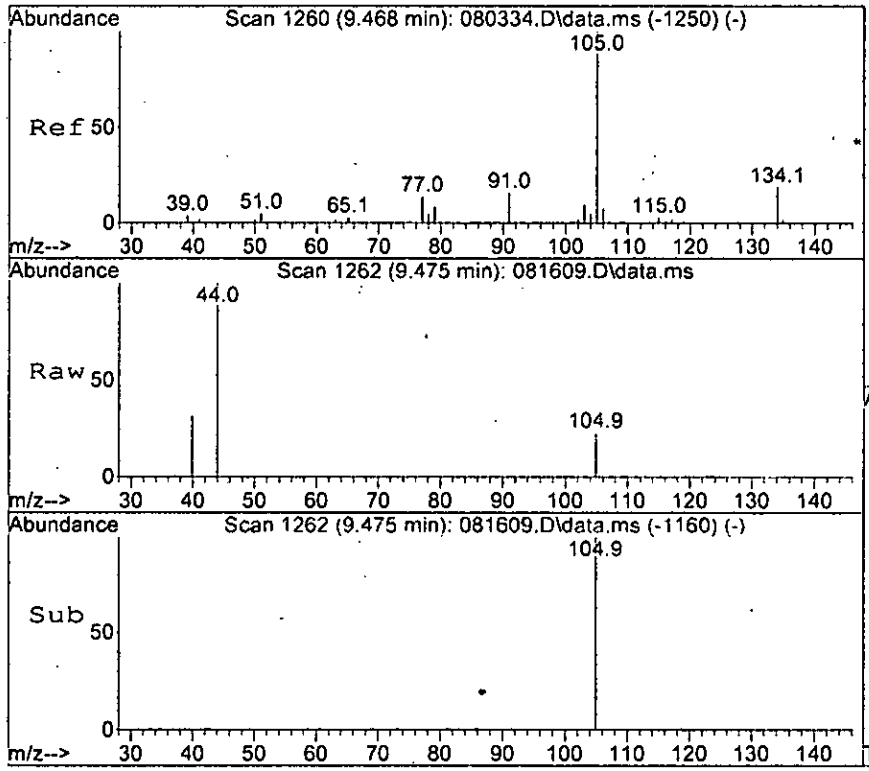


#66
1,2,4-Trimethylbenzene
Concen: 0.011 ppb
RT: 9.30 min Scan# 1222
Delta R.T. -0.004 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion:105 Resp: 58

Ion	Ratio	Lower	Upper
105	100		
120	0.0	18.1	78.1#

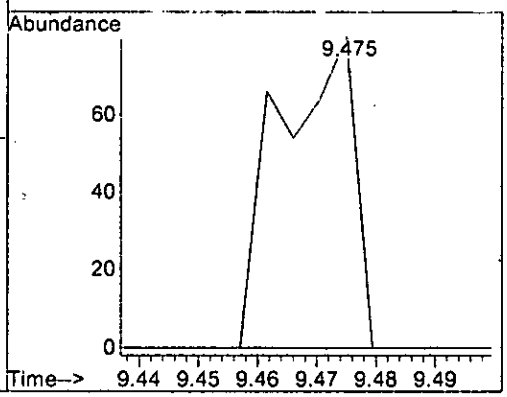




#67
sec-Butylbenzene
Concen: 0.011 ppb
RT: 9.47 min Scan# 1262
Delta R.T. 0.005 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion:105 Resp: 71

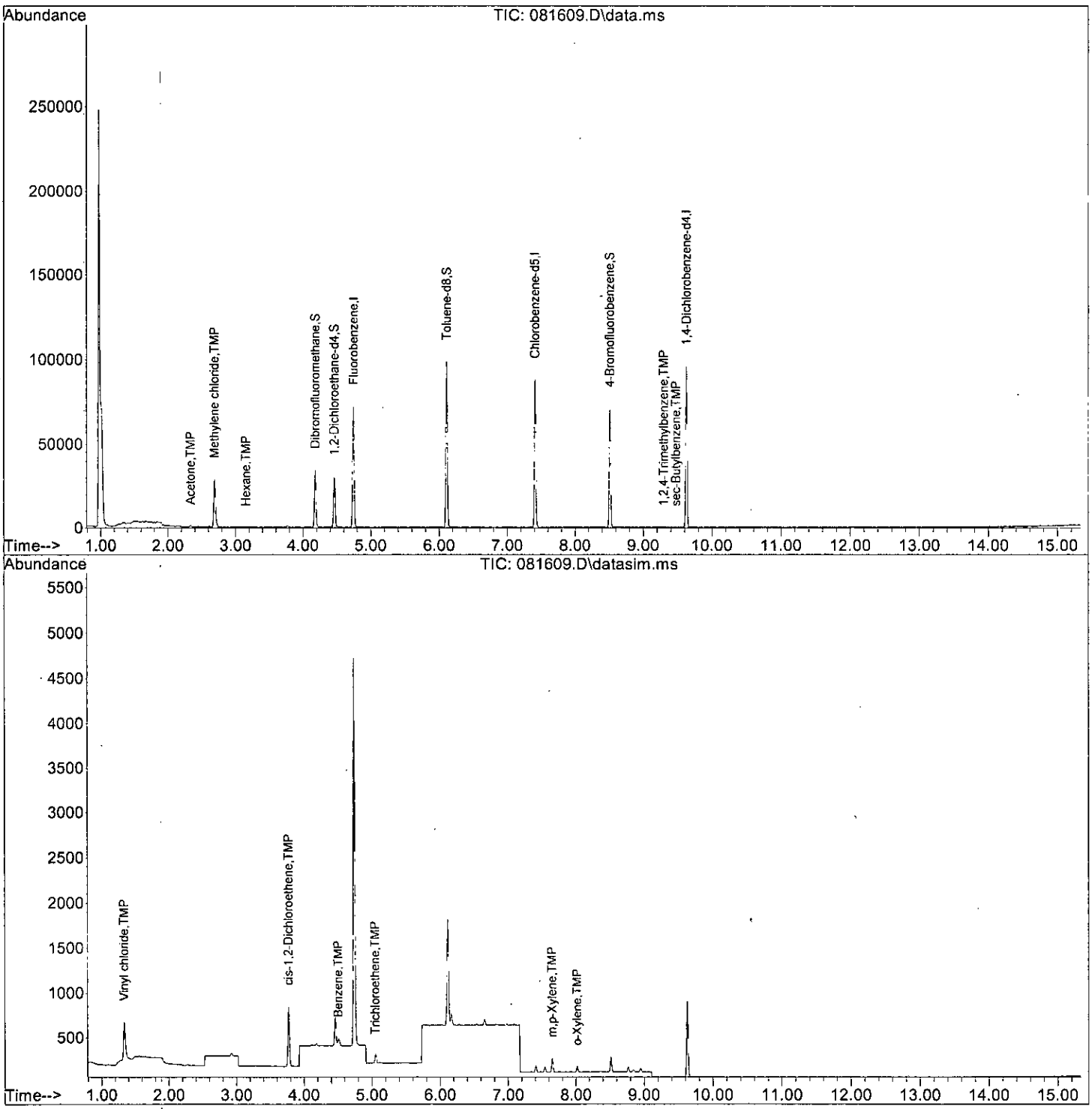
Ion	Ratio	Lower	Upper
105	100		
134	0.0	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:04:39 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:04:39 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	53093	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	40056	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	20752	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	14805	9.993	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.90%				
30) 1,2-Dichloroethane-d4	4.46	102	3446	10.854	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 108.50%				
35) Toluene-d8	6.11	98	53153	9.879	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 98.80%				
57) 4-Bromofluorobenzene	8.52	95	19040	9.376	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 93.80%				
Target Compounds							Qvalue
2) Ethanol	2.31	45	21	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	646m	0.366	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.31	45	21	No Calib			
11) Acetone	2.34	58	188	1.486	ppb		96
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	53	0.029	ppb	#	25
14) Methylene chloride	2.69	84	12142	1.866	ppb		98
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22] cis-1,2-Dichloroethene	3.77	96	366	0.200	ppb		93
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	4.52	62	57	N.D.			
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	90	0.014	ppb		91
32] Trichloroethene	5.05	95	44	0.023	ppb	#	68
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			
37) 4-Methyl-2-pentanone	0.00		0	N.D.			
38) cis-1,3-Dichloropropene	0.00		0	N.D.			
40) Toluene	6.16	92	65	N.D.			
41) trans-1,3-Dichloropropene	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:04:39 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	0.00		0	N.D.			
45) Tetrachloroethene	6.65	164	22	N.D.			
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.			
49) Ethylbenzene	7.54	91	68	N.D.			
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51) m,p-Xylene	7.65	106	77	0.013	ppb		83
52) o-Xylene	8.02	106	33	0.012	ppb		87
53) Styrene	8.03	104	21	N.D.			
54) Isopropylbenzene	0.00		0	N.D.	d		
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.94	91	22	N.D.			
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.			
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	8.94	91	22	N.D.			
64) 4-Chlorotoluene	8.94	91	22	N.D.			
65) tert-Butylbenzene	0.00		0	N.D.			
66) 1,2,4-Trimethylbenzene	9.30	105	58	0.011	ppb	#	29
67) sec-Butylbenzene	9.47	105	71	0.011	ppb		53
68) p-Isopropyltoluene	0.00		0	N.D.			
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	0.00		0	N.D.			
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	11.83	128	24	N.D.			
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

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

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081611.D
Acq On : 16 Aug 2022 09:26 am
Operator : WE
Sample : 208204-02 ms
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 11:56:56 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	52234	10.000 ppb		0.00
39) Chlorobenzene-d5	7.41	117	41271	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	22388	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.19	113	15059	10.331 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.30%			
30) 1,2-Dichloroethane-d4	4.47	102	3112	9.963 ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 99.60%			
35) Toluene-d8	6.11	98	53465	10.100 ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 101.00%			
57) 4-Bromofluorobenzene	8.52	95	19388	8.850 ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 88.50%			
Target Compounds						Qvalue
2) Ethanol	2.35	45	47	No Calib		
4) Dichlorodifluoromethane	1.12	85	16449	9.086 ppb		99
5) Chloromethane	1.27	50	16665	9.855 ppb		87
6] Vinyl chloride	1.35	62	18614	10.713 ppb		98
7) Bromomethane	1.60	94	10772	10.114 ppb		82
8] Chloroethane	1.66	64	9293	15.568 ppb		94
9) Trichlorofluoromethane	1.84	101	30165	10.005 ppb		88
10) 2-Propanol	2.35	45	47	No Calib		
11) Acetone	2.34	58	6474	52.025 ppb	#	56
12] 1,1-Dichloroethene	2.28	96	15991	11.108 ppb		96
13) Hexane	3.17	57	18986	10.460 ppb		96
14) Methylene chloride	2.70	84	29518	15.019 ppb		95
15) t-Butyl alcohol (TBA)	2.82	59	8985	50.388 ppb		85
16] Methyl t-butyl ether (...	2.94	73	46107	10.668 ppb		93
17] trans-1,2-Dichloroethene	2.93	96	18429	10.754 ppb		89
18) Diisopropyl ether (DIPE)	3.36	45	41052	10.279 ppb		99
19] 1,1-Dichloroethane	3.29	63	28797	10.815 ppb		99
20) Ethyl t-butyl ether (E...	3.67	87	17578	10.191 ppb		88
21) 2,2-Dichloropropane	3.78	77	18017	11.992 ppb		82
22] cis-1,2-Dichloroethene	3.78	96	19660	10.925 ppb		97
23) Chloroform	4.05	83	28626	10.567 ppb		92
24) 2-Butanone (MEK)	3.80	43	38716	54.597 ppb		100
25) t-Amyl methyl ether (T...	4.62	73	39252	10.020 ppb		90
26] 1,2-Dichloroethane (EDC)	4.53	62	22903	11.300 ppb		97
27] 1,1,1-Trichloroethane	4.20	97	29238	11.335 ppb		99
28) 1,1-Dichloropropene	4.34	75	20969	10.825 ppb		90
29) Carbon tetrachloride	4.34	117	22516	10.781 ppb		90
31] Benzene	4.51	78	68626	10.594 ppb		96
32] Trichloroethene	5.06	95	20039	10.707 ppb		85
33) 1,2-Dichloropropane	5.25	63	14178	9.753 ppb		90
34) Bromodichloromethane	5.49	83	20670	10.069 ppb		98
36) Dibromomethane	5.35	93	11138	10.799 ppb	#	74
37) 4-Methyl-2-pentanone	6.02	85	13201	47.758 ppb		91
38) cis-1,3-Dichloropropene	5.88	75	23914	9.935 ppb		97
40] Toluene	6.16	92	42886	10.259 ppb		96
41) trans-1,3-Dichloropropene	6.37	75	23066	10.147 ppb		92

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081611.D
Acq On : 16 Aug 2022 09:26 am
Operator : WE
Sample : 208204-02 ms
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 11:56:56 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

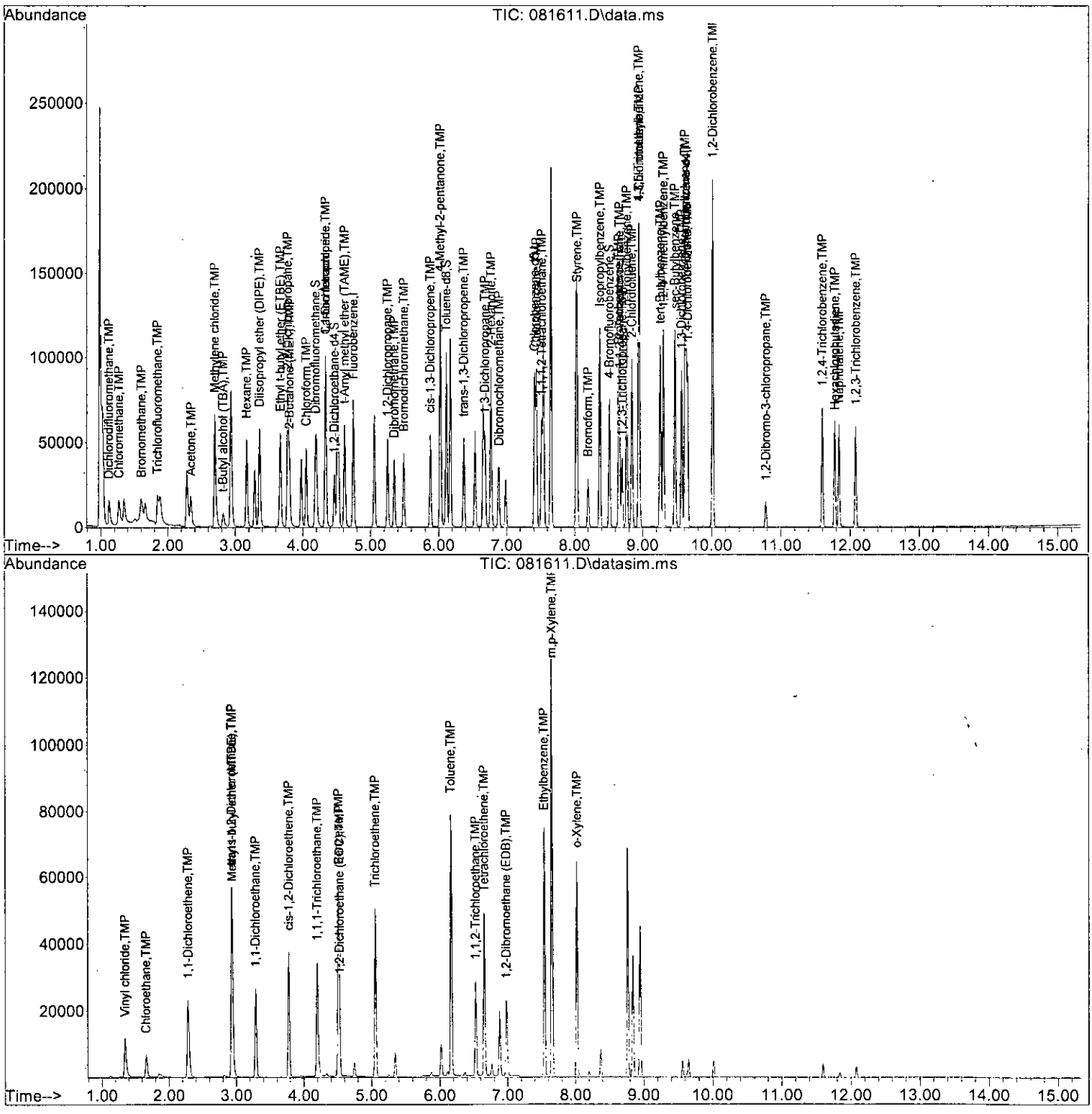
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42]	1,1,2-Trichloroethane	6.53	83	14292	9.939	ppb	#	60
43)	2-Hexanone	6.77	43	51476	47.558	ppb		97
44)	1,3-Dichloropropane	6.68	76	23305	10.477	ppb		100
45]	Tetrachloroethene	6.65	164	16315	11.147	ppb		90
46)	Dibromochloromethane	6.89	129	17153	10.248	ppb		96
47]	1,2-Dibromoethane (EDB)	6.98	107	17527	10.015	ppb		83
48)	Chlorobenzene	7.44	112	40733	10.244	ppb		84
49]	Ethylbenzene	7.54	91	80657	10.085	ppb		87
50)	1,1,1,2-Tetrachloroethane	7.52	131	14589	10.311	ppb		94
51]	m,p-Xylene	7.66	106	59324	21.039	ppb		87
52]	o-Xylene	8.03	106	29273	10.279	ppb		100
53)	Styrene	8.04	104	39323	9.938	ppb		95
54)	Isopropylbenzene	8.37	105	64596	10.082	ppb		94
55)	Bromoform	8.20	173	10064	9.457	ppb		96
58)	n-Propylbenzene	8.77	91	77725	9.332	ppb		87
59)	Bromobenzene	8.65	156	18006	10.481	ppb	#	70
60)	1,3,5-Trimethylbenzene	8.94	105	51539	9.434	ppb		92
61)	1,1,2,2-Tetrachloroethane	8.66	83	19591	9.401	ppb		97
62)	1,2,3-Trichloropropane	8.70	75	13545	9.541	ppb		86
63)	2-Chlorotoluene	8.84	91	44520	9.462	ppb		90
64)	4-Chlorotoluene	8.95	91	51755	9.300	ppb		90
65)	tert-Butylbenzene	9.26	119	45837	9.414	ppb		92
66)	1,2,4-Trimethylbenzene	9.30	105	53080	9.237	ppb		94
67)	sec-Butylbenzene	9.47	105	68100	9.363	ppb		92
68)	p-Isopropyltoluene	9.61	119	57000	9.638	ppb		96
69)	1,3-Dichlorobenzene	9.56	146	31949	10.033	ppb		98
70)	1,4-Dichlorobenzene	9.65	146	31505	10.065	ppb		97
71)	1,2-Dichlorobenzene	10.01	146	30199	9.867	ppb		94
72)	1,2-Dibromo-3-chloropr...	10.78	75	2974	8.992	ppb		78
73)	1,2,4-Trichlorobenzene	11.60	180	19089	10.155	ppb		87
74)	Hexachlorobutadiene	11.78	225	10480	10.420	ppb		83
75)	Naphthalene	11.84	128	39452	9.267	ppb		98
76)	1,2,3-Trichlorobenzene	12.08	180	15274	9.325	ppb		99

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

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081611.D
Acq On : 16 Aug 2022 09:26 am
Operator : WE
Sample : 208204-02 ms
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 11:56:56 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

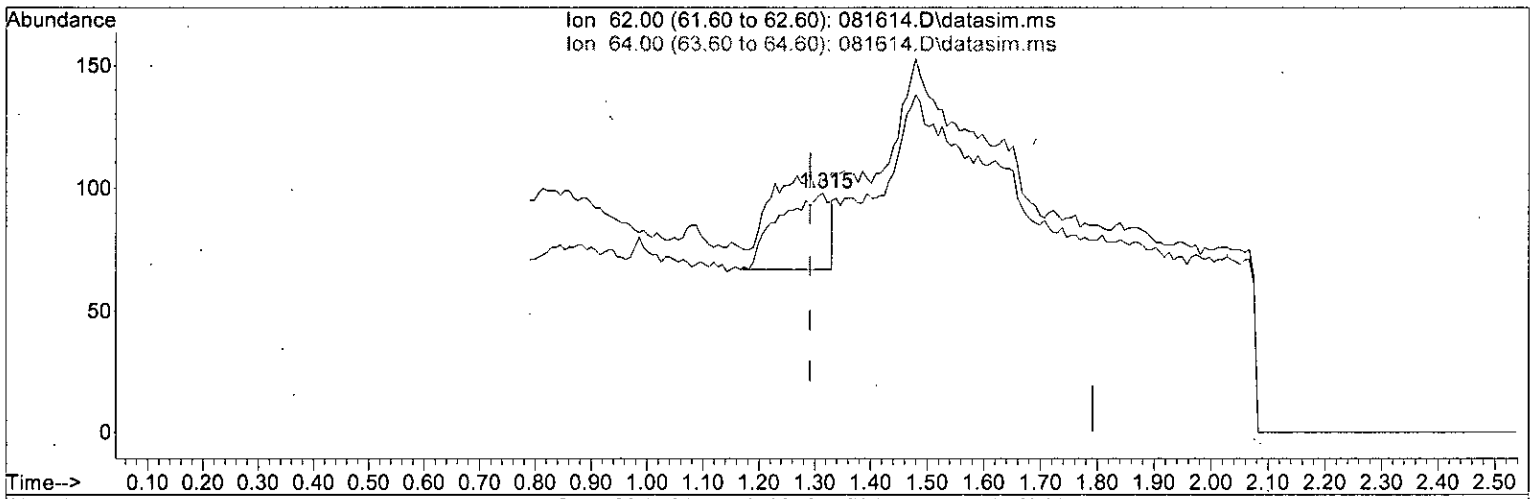


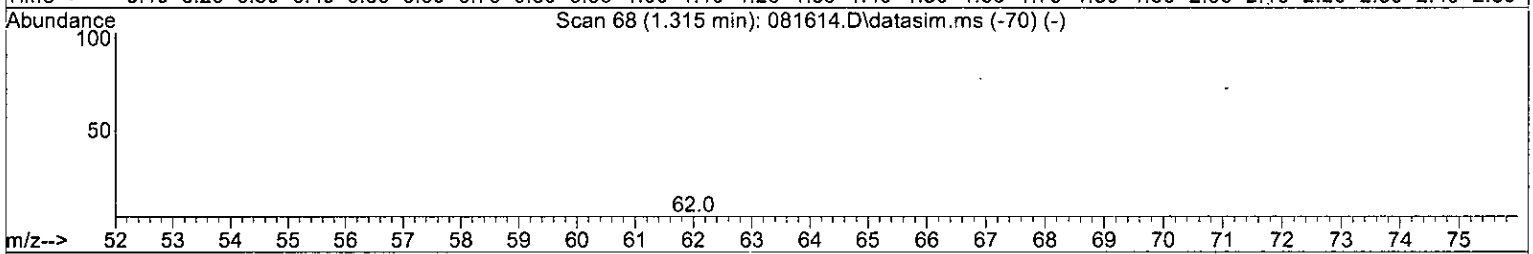
EPA 8260D
Sample Data

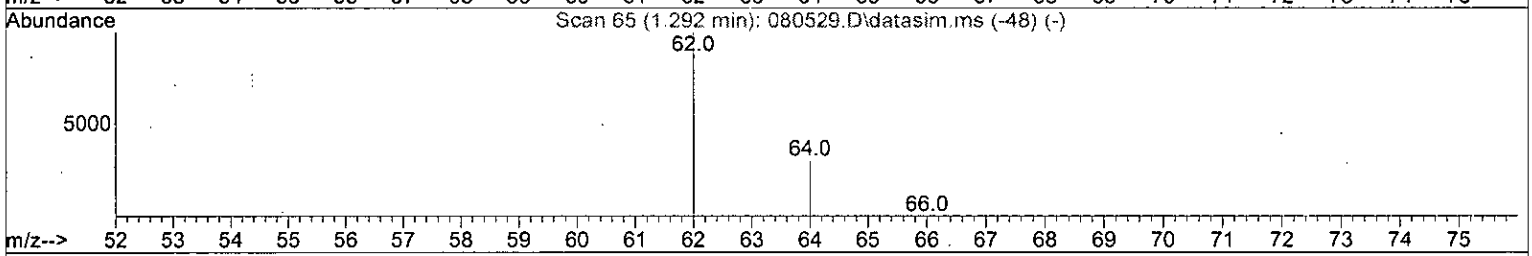
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081614.D
Acq On : 16 Aug 2022 11:38 am
Operator : LM
Sample : 208203-05
Misc : soil
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 12:59:10 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081614.D\data.ms

(6) Vinyl chloride (TMP)

1.315min (+ 0.023) 0.047 ppb

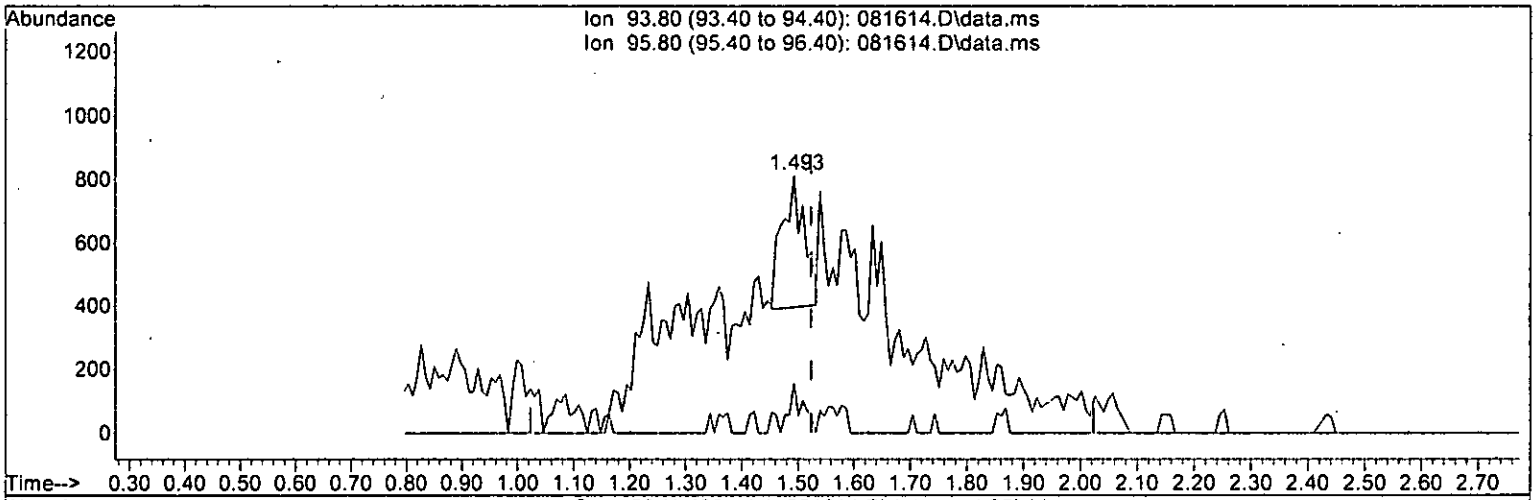
response 198

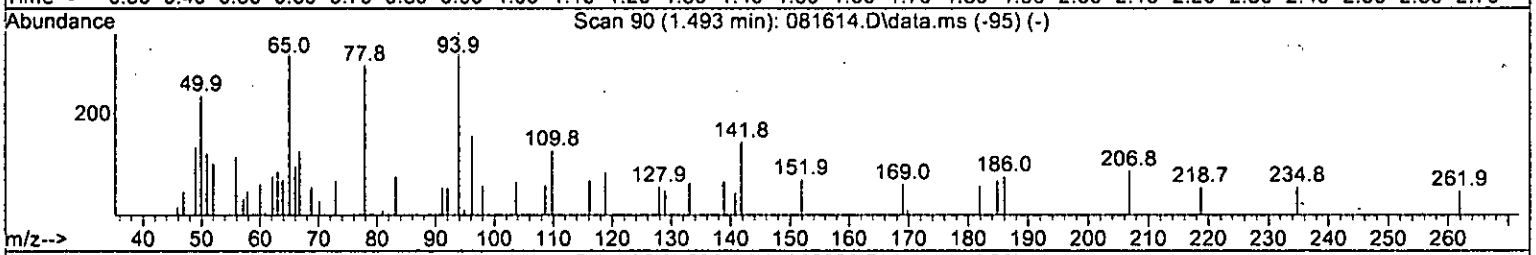
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.60	96.77#
0.00	0.00	0.00
0.00	0.00	0.00

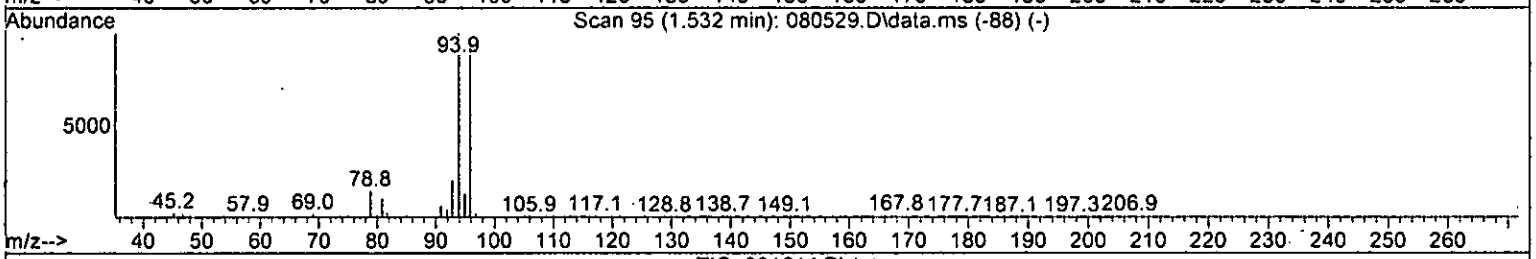
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081614.D
Acq On : 16 Aug 2022 11:38 am
Operator : LM
Sample : 208203-05
Misc : soil
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 12:59:10 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M







TIC: 081614.D\data.ms

(7) Bromomethane (TMP)

1.493min (-0.031) 0.452 ppb

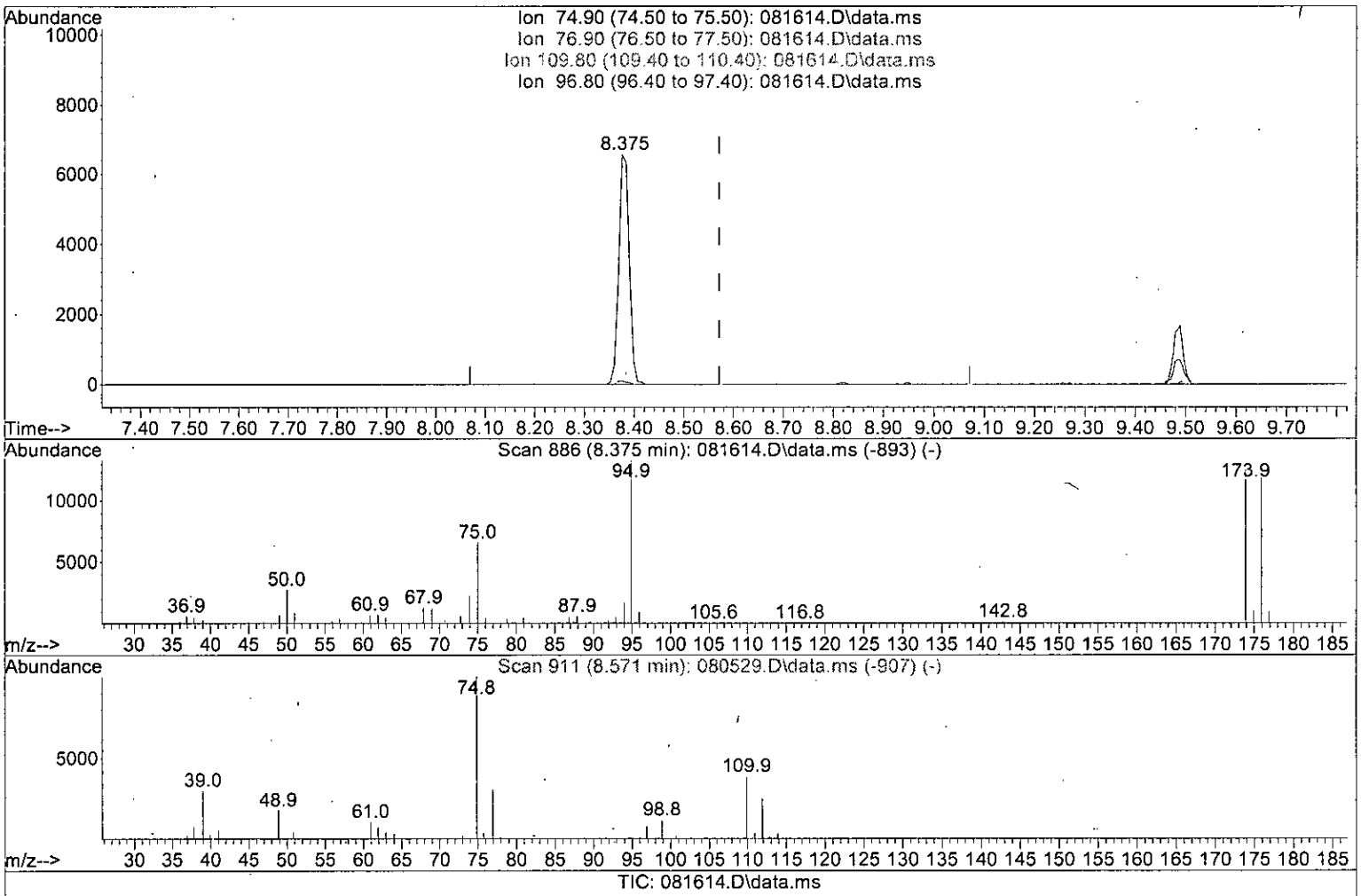
response 1133

Ion	Exp%	Act%
93.80	100.00	100.00
95.80	90.70	38.01#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081614.D
Acq On : 16 Aug 2022 11:38 am
Operator : LM
Sample : 208203-05
Misc : soil
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 12:59:10 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 081614.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.375min (-0.196) 8.588 ppb

response 9550

Ion	Exp%	Act%
74.90	100.00	100.00
76.90	28.10	1.48
109.80	39.20	0.00#
96.80	21.70	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081614.D
Acq On : 16 Aug 2022 11:38 am
Operator : LM
Sample : 208203-05
Misc : soil
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 13:49:48 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

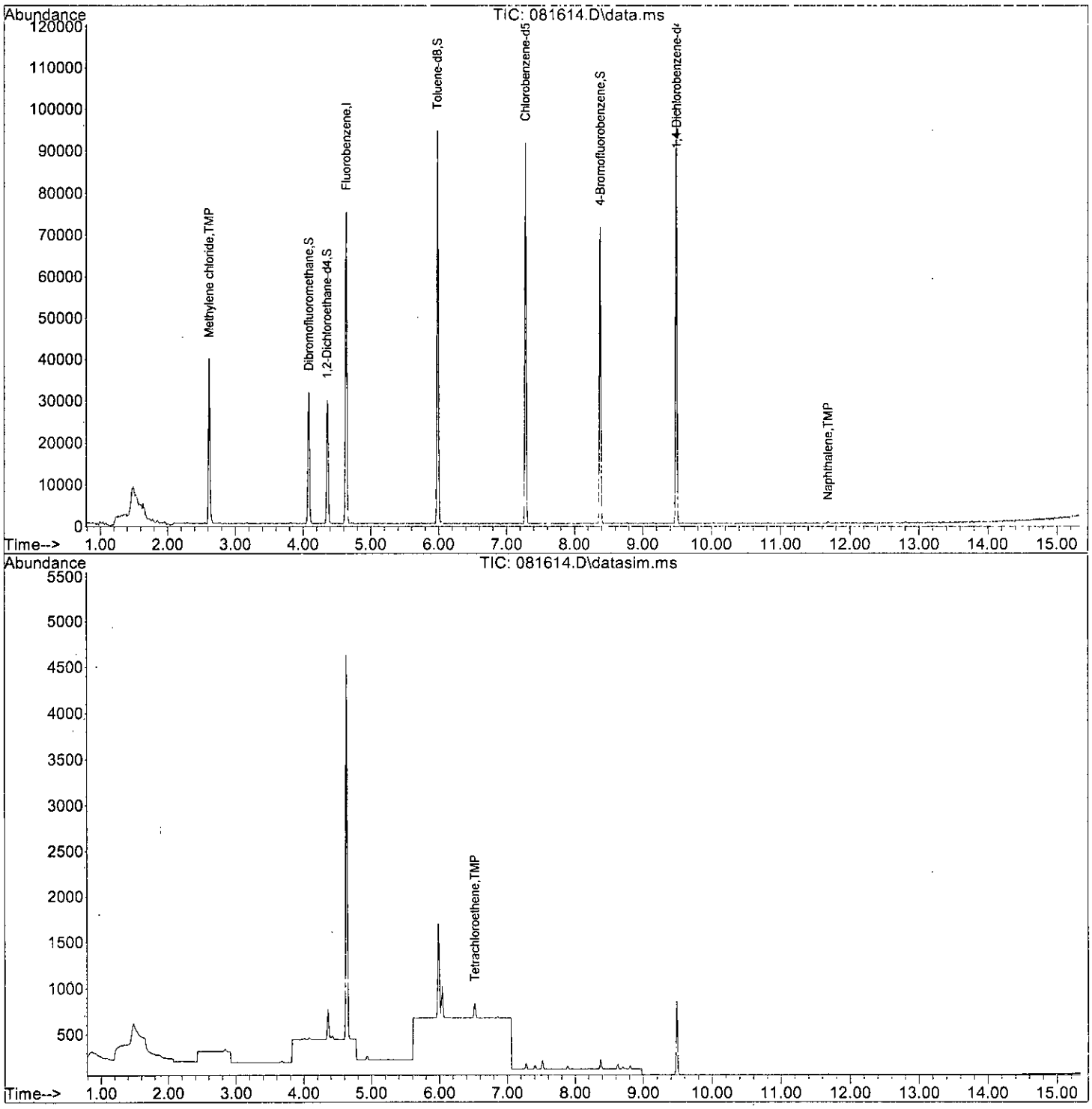
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.64	96	52995	10.000 ppb	0.02
39) Chlorobenzene-d5	7.28	117	41848	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.49	152	24424	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.09	113	15281	10.531 ppb	0.02
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.30%		
30) 1,2-Dichloroethane-d4	4.36	102	3165	10.073 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 100.70%		
35) Toluene-d8	5.98	98	49874	9.785 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 97.90%		
57) 4-Bromofluorobenzene	8.38	95	19624	9.724 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 97.20%		
Target Compounds					Qvalue
14) Methylene chloride	2.61	84	13385	3.793 ppb	94
24) 2-Butanone (MEK)	3.73	43	63	Below Cal	59
40] Toluene	6.04	92	171	Below Cal	96
45] Tetrachloroethene	6.52	164	69	0.016 ppb	93
75) Naphthalene	11.69	128	383	0.074 ppb	68

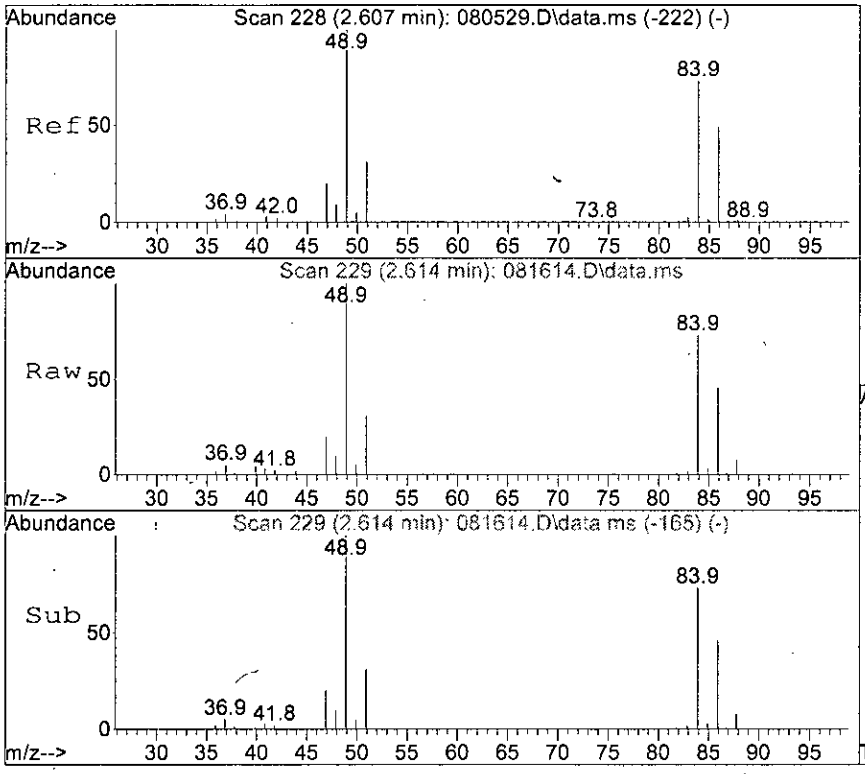
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081614.D
Acq On : 16 Aug 2022 11:38 am
Operator : LM
Sample : 208203-05
Misc : soil
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 13:49:48 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

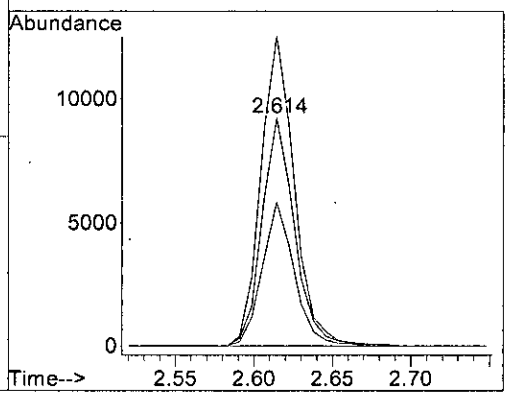


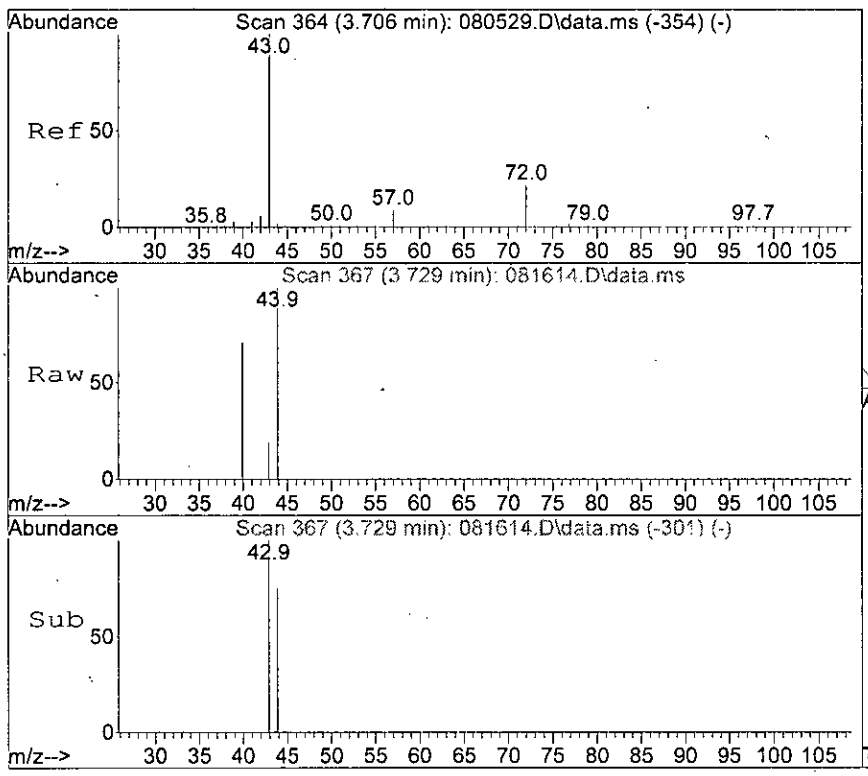


#14
Methylene chloride
Concen: 3.793 ppb
RT: 2.61 min Scan# 229
Delta R.T. 0.015 min
Lab File: 081614.D
Acq: 16 Aug 2022 11:38 am

Tgt Ion: 84 Resp: 13385

Ion	Ratio	Lower	Upper
84	100		
86	63.4	38.7	98.7
49	136.8	114.1	174.1

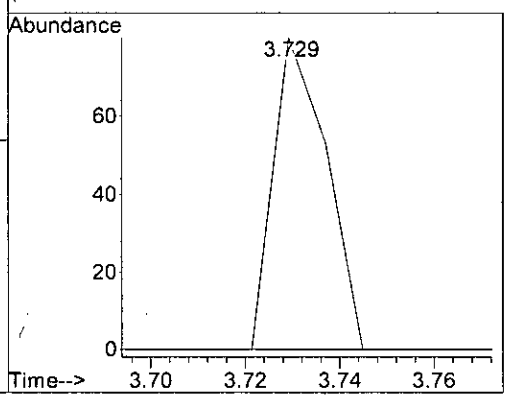


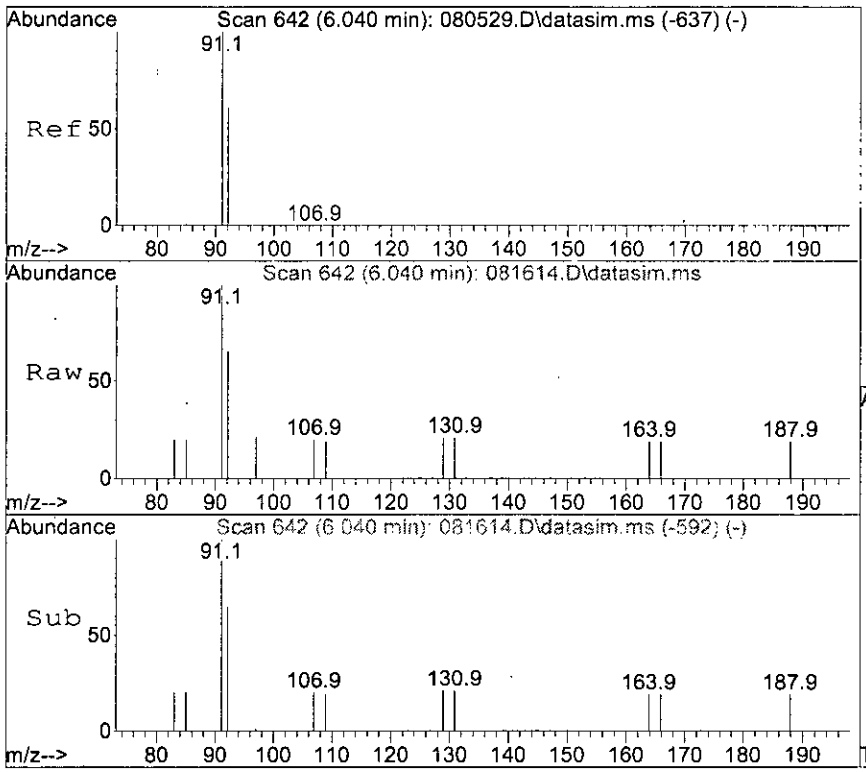


#24
2-Butanone (MEK)
Concen: Below Cal
RT: 3.73 min Scan# 367
Delta R.T. 0.031 min
Lab File: 081614.D
Acq: 16 Aug 2022 11:38 am

Tgt Ion: 43 Resp: 63

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	53.3
57	0.0	0.0	28.3

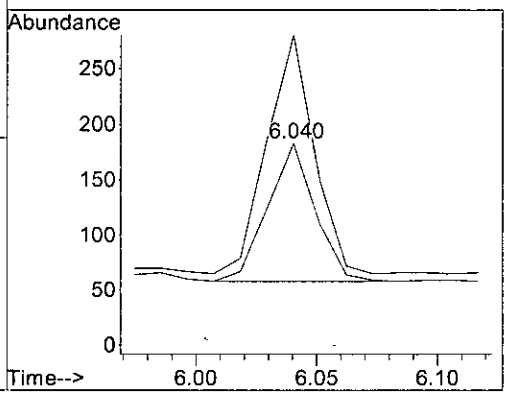


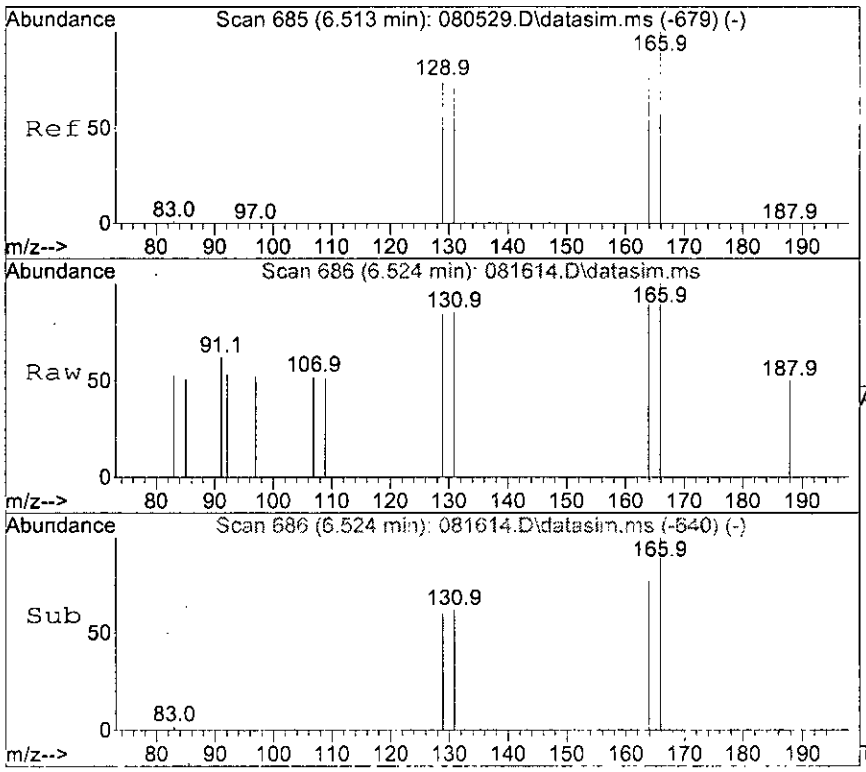


#40
Toluene
Concen: Below Cal
RT: 6.04 min Scan# 642
Delta R.T. 0.011 min
Lab File: 081614.D
Acq: 16 Aug 2022 11:38 am

Tgt Ion: 92 Resp: 171

Ion	Ratio	Lower	Upper
92	100		
91	172.0	147.4	207.4

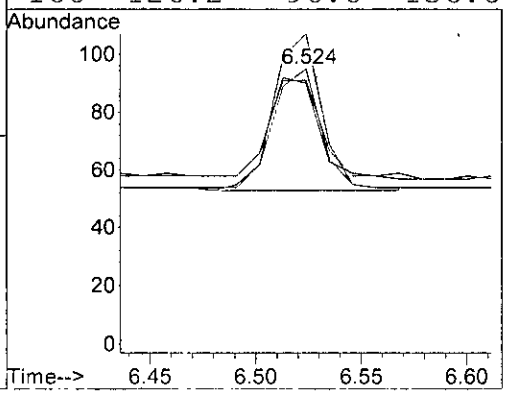


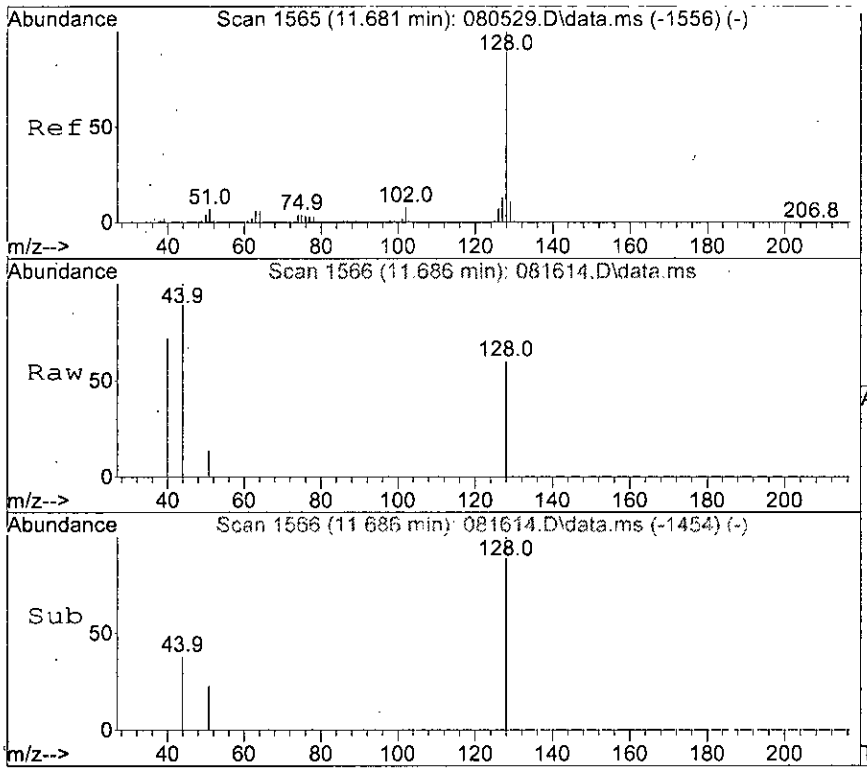


#45
Tetrachloroethene
Concen: 0.016 ppb
RT: 6.52 min Scan# 686
Delta R.T. 0.011 min
Lab File: 081614.D
Acq: 16 Aug 2022 11:38 am

Tgt Ion:164 Resp: 69

Ion	Ratio	Lower	Upper
164	100		
129	78.6	60.3	120.3
131	78.6	57.0	117.0
166	126.2	96.8	156.8

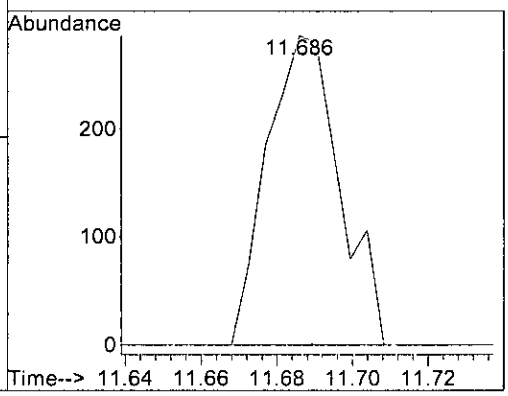




#75
Naphthalene
Concen: 0.074 ppb
RT: 11.69 min Scan# 1566
Delta R.T. -0.000 min
Lab File: 081614.D
Acq: 16 Aug 2022 11:38 am

Tgt Ion:128 Resp: 383

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.6
127	0.0	0.0	43.9



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081614.D
Acq On : 16 Aug 2022 11:38 am
Operator : LM
Sample : 208203-05
Misc : soil
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 13:49:48 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.64	96	52995	10.000 ppb	0.02
39) Chlorobenzene-d5	7.28	117	41848	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.49	152	24424	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.09	113	15281	10.531 ppb	0.02
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.30%		
30) 1,2-Dichloroethane-d4	4.36	102	3165	10.073 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 100.70%		
35) Toluene-d8	5.98	98	49874	9.785 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 97.90%		
57) 4-Bromofluorobenzene	8.38	95	19624	9.724 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 97.20%		
Target Compounds					Qvalue
2) Ethanol	1.92	45	55	No Calib	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.23	50	371	N.D.	
6) Vinyl chloride	0.00		0	N.D. d	
7) Bromomethane	0.00		0	N.D. d	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	0.00		0	N.D.	
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	0.00		0	N.D.	
14) Methylene chloride	2.61	84	13385	3.793 ppb	94
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	0.00		0	N.D.	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	3.95	83	80	N.D.	
24) 2-Butanone (MEK)	3.73	43	63	Below Cal	59
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	0.00		0	N.D.	
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	6.04	92	171	Below Cal	96
41) trans-1,3-Dichloropropene	0.00		0	N.D.	

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081614.D
Acq On : 16 Aug 2022 11:38 am
Operator : LM
Sample : 208203-05
Misc : soil
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Aug 16 13:49:48 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

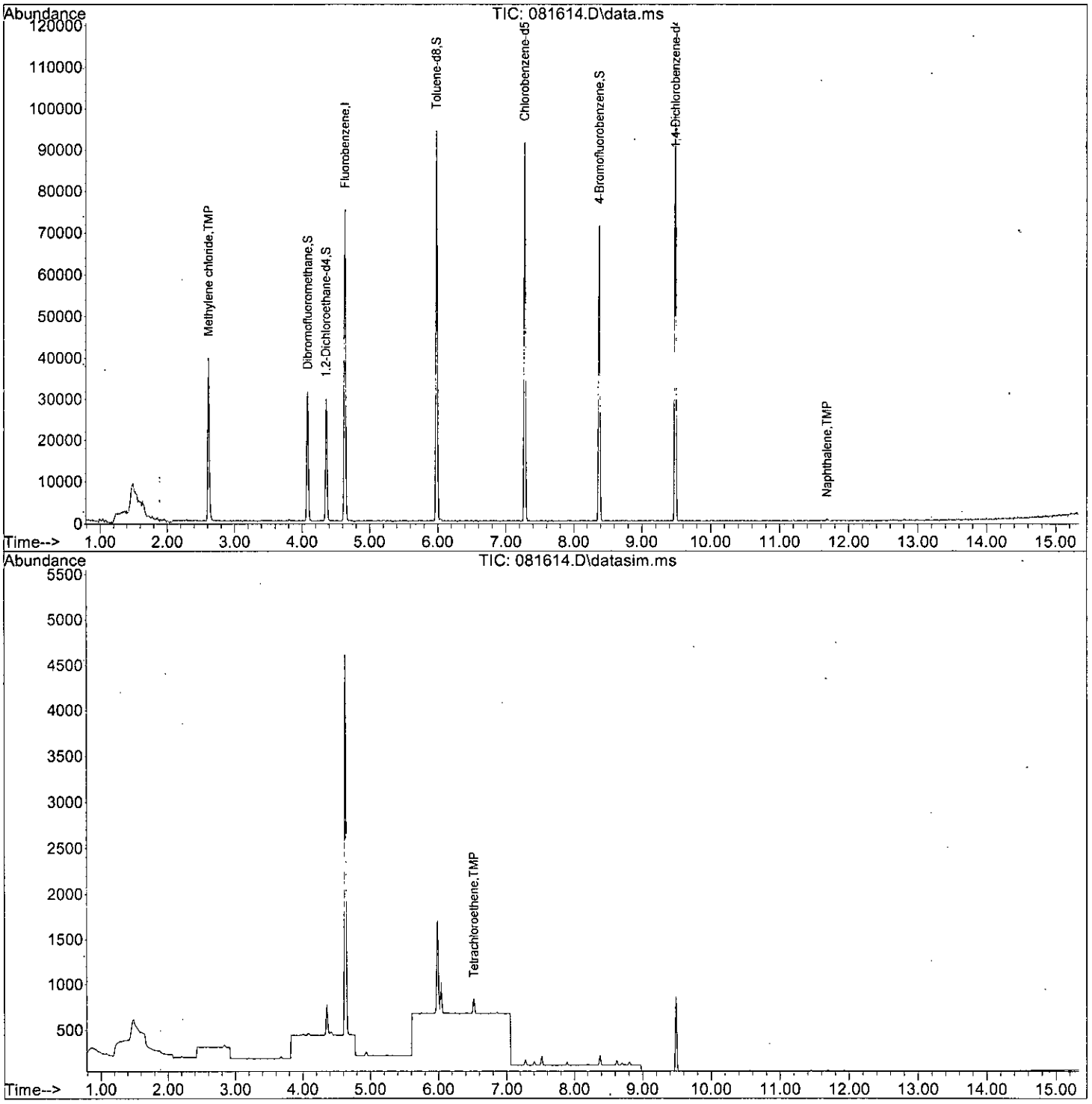
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42)	1,1,2-Trichloroethane	0.00		0	N.D.			
43)	2-Hexanone	0.00		0	N.D.			
44)	1,3-Dichloropropane	0.00		0	N.D.			
45]	Tetrachloroethene	6.52	164	69	0.016	ppb		93
46)	Dibromochloromethane	0.00		0	N.D.			
47)	1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48)	Chlorobenzene	0.00		0	N.D.			
49)	Ethylbenzene	7.52	91	92	N.D.			
50)	1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51)	m,p-Xylene	0.00		0	N.D.			
52)	o-Xylene	0.00		0	N.D.			
53)	Styrene	0.00		0	N.D.			
54)	Isopropylbenzene	0.00		0	N.D.			
55)	Bromoform	0.00		0	N.D.			
58)	n-Propylbenzene	0.00		0	N.D.			
59)	Bromobenzene	0.00		0	N.D.			
60)	1,3,5-Trimethylbenzene	0.00		0	N.D.			
61)	1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62)	1,2,3-Trichloropropane	0.00		0	N.D.	d		
63)	2-Chlorotoluene	0.00		0	N.D.			
64)	4-Chlorotoluene	0.00		0	N.D.			
65)	tert-Butylbenzene	0.00		0	N.D.			
66)	1,2,4-Trimethylbenzene	9.16	105	126	N.D.			
67)	sec-Butylbenzene	9.16	105	126	N.D.			
68)	p-Isopropyltoluene	0.00		0	N.D.			
69)	1,3-Dichlorobenzene	0.00		0	N.D.			
70)	1,4-Dichlorobenzene	0.00		0	N.D.			
71)	1,2-Dichlorobenzene	0.00		0	N.D.			
72)	1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73)	1,2,4-Trichlorobenzene	0.00		0	N.D.			
74)	Hexachlorobutadiene	0.00		0	N.D.			
75)	Naphthalene	11.69	128	383	0.074	ppb		68
76)	1,2,3-Trichlorobenzene	0.00		0	N.D.			

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

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS11\08-16-22\
Data File : 081614.D
Acq On : 16 Aug 2022 11:38 am
Operator : LM
Sample : 208203-05
Misc : soil
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

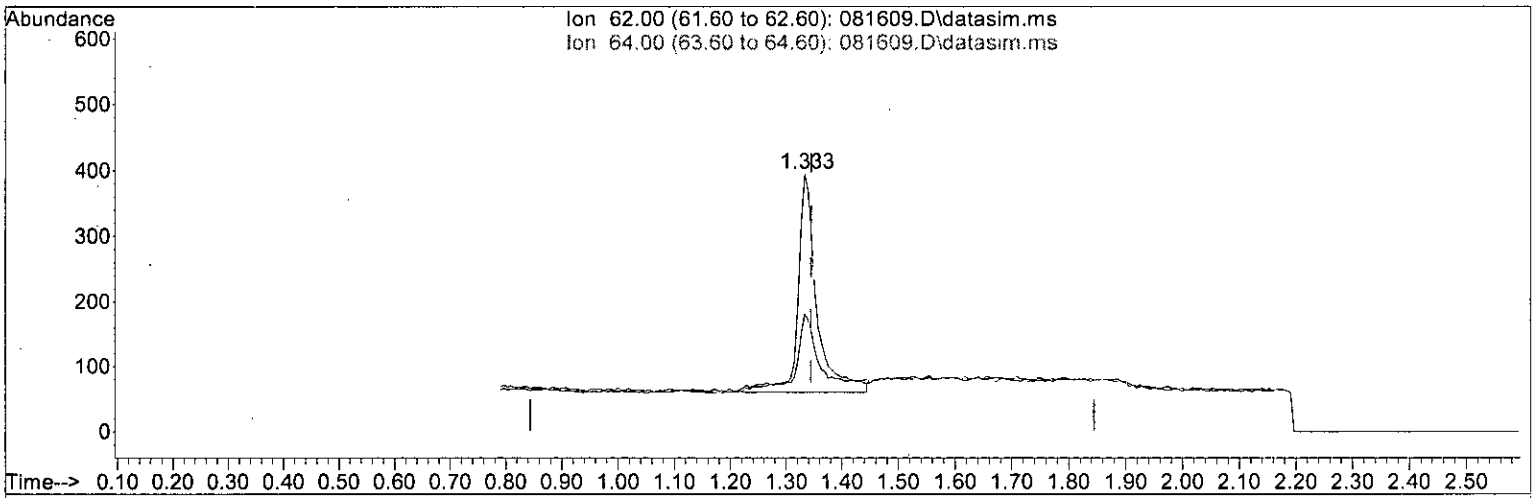
Quant Time: Aug 16 13:49:48 2022
Quant Method : D:\METHODS\Inst11\VB080822ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Aug 10 13:56:13 2022
Response via : Initial Calibration
DataAcq Meth:VM080522.M

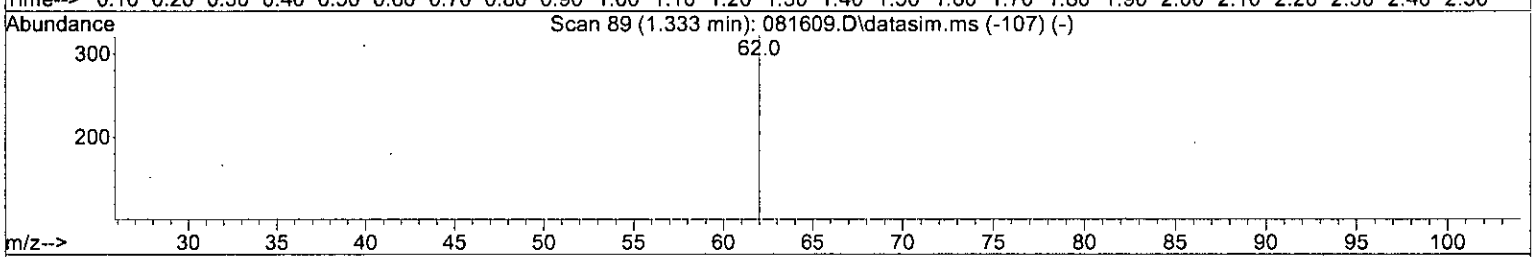


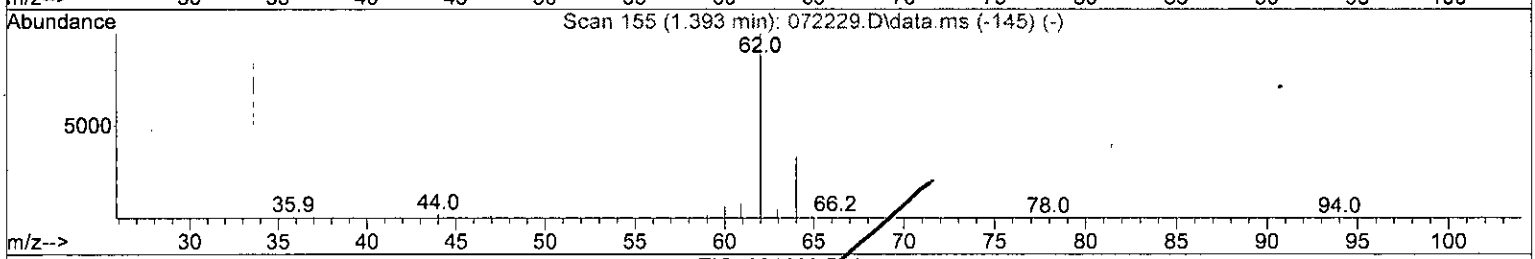
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 12:02:50 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M







TIC: 081609.D\data.ms

(6) Vinyl chloride (TMP)

1.333min (-0.012) 0.452 ppb

response 799

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.30	34.63
0.00	0.00	0.00
0.00	0.00	0.00

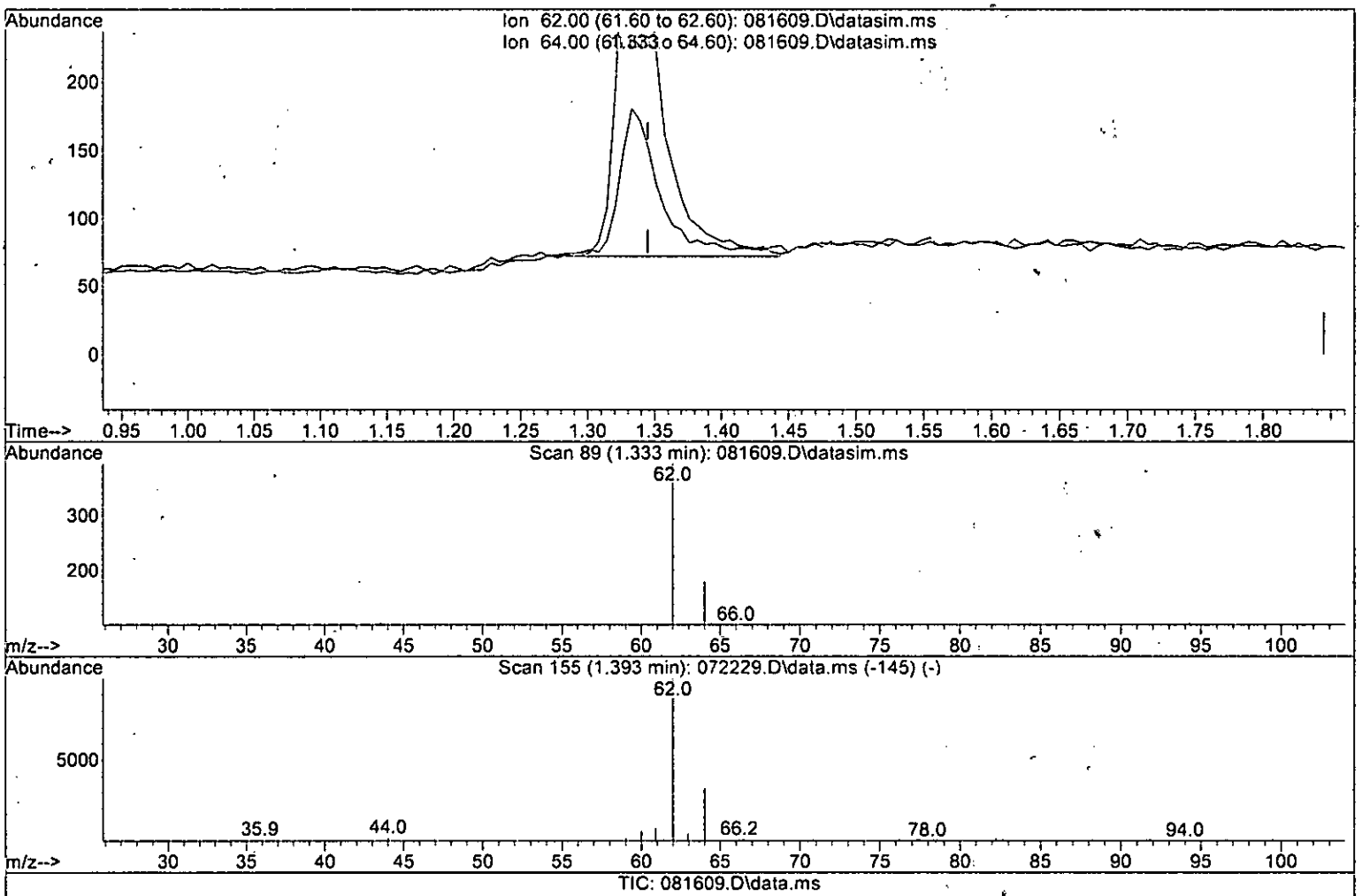
m 8.17.22

VB080322ms13 8/17 JLM

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 16 12:02:50 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 081609.D\data.ms

m 8.17.22

(6) Vinyl chloride (TMP)

1.333min (-0.012) 0.366 ppb m

response 646

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	33.30	45.82
0.00	0.00	0.00
0.00	0.00	0.00

VB 080322ms13 8/17 dm

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:04:39 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

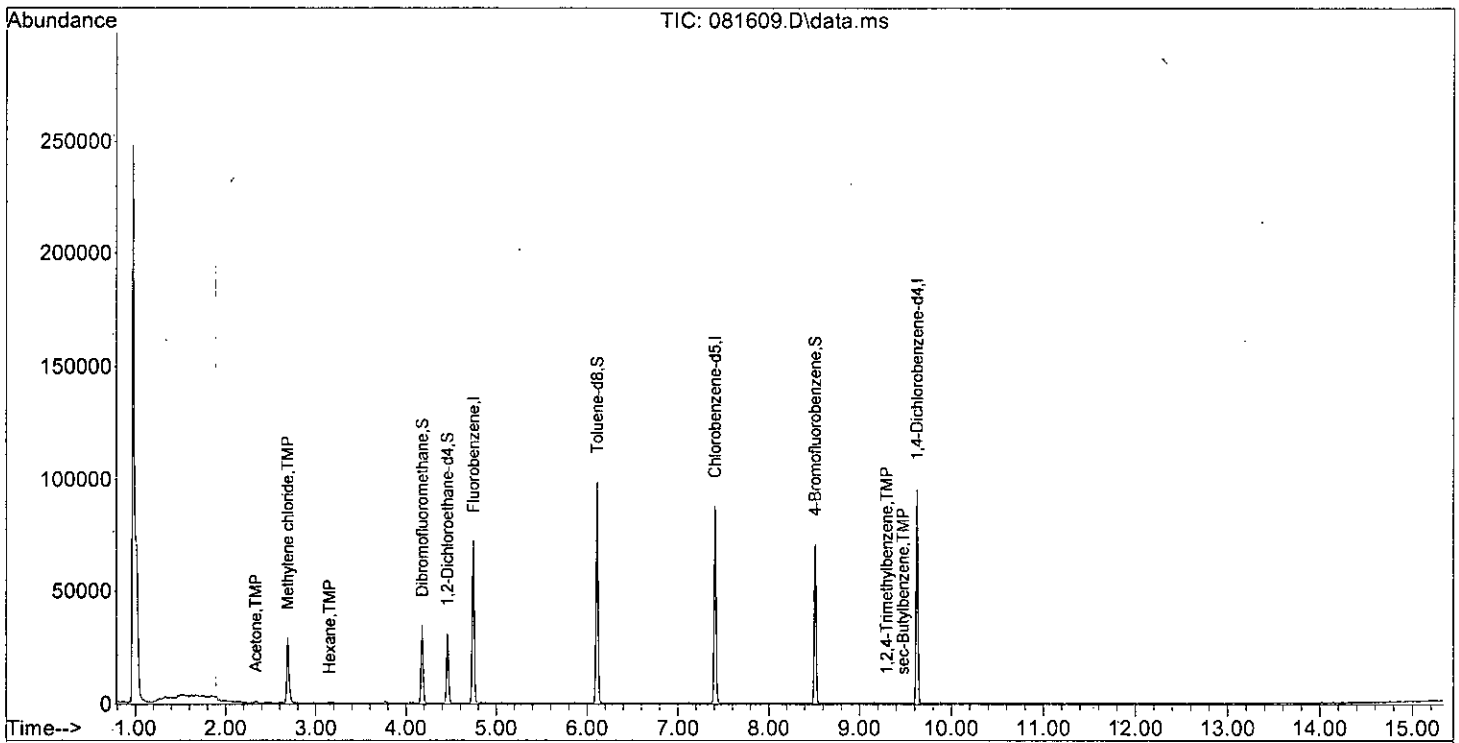
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	53093	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	40056	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	20752	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	14805	9.993	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.90%				
30) 1,2-Dichloroethane-d4	4.46	102	3446	10.854	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 108.50%				
35) Toluene-d8	6.11	98	53153	9.879	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 98.80%				
57) 4-Bromofluorobenzene	8.52	95	19040	9.376	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 93.80%				
Target Compounds							Qvalue
6] Vinyl chloride	1.33	62	646m	0.366	ppb		
11) Acetone	2.34	58	188	1.486	ppb		96
13) Hexane	3.15	57	53	0.029	ppb	#	25
14) Methylene chloride	2.69	84	12142	1.866	ppb		98
22] cis-1,2-Dichloroethene	3.77	96	366	0.200	ppb		93
31] Benzene	4.50	78	90	0.014	ppb		91
32] Trichloroethene	5.05	95	44	0.023	ppb	#	68
51] m,p-Xylene	7.65	106	77	0.013	ppb		83
52] o-Xylene	8.02	106	33	0.012	ppb		87
66) 1,2,4-Trimethylbenzene	9.30	105	58	0.011	ppb	#	29
67) sec-Butylbenzene	9.47	105	71	0.011	ppb		53

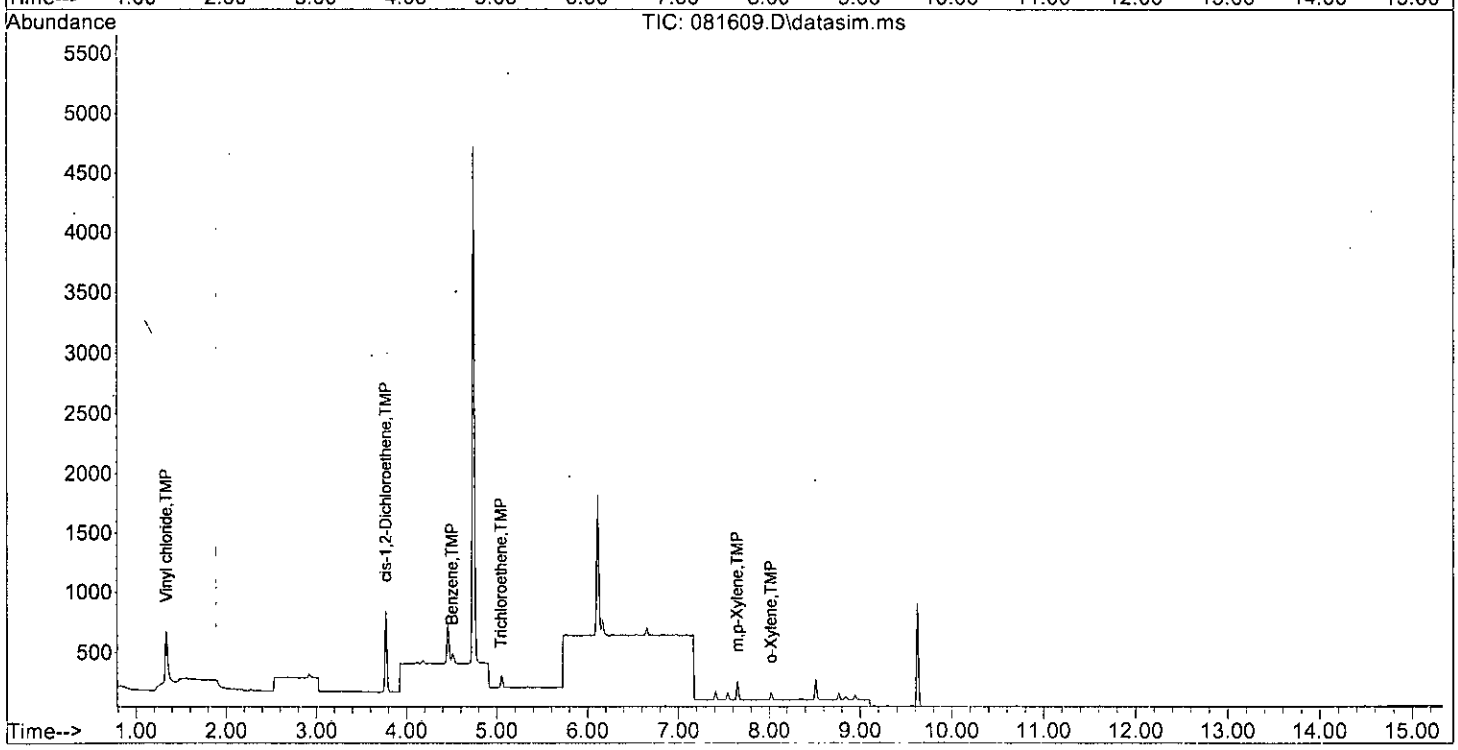
(#) = qualifier out of range (m) = manual integration (+) = signals summed

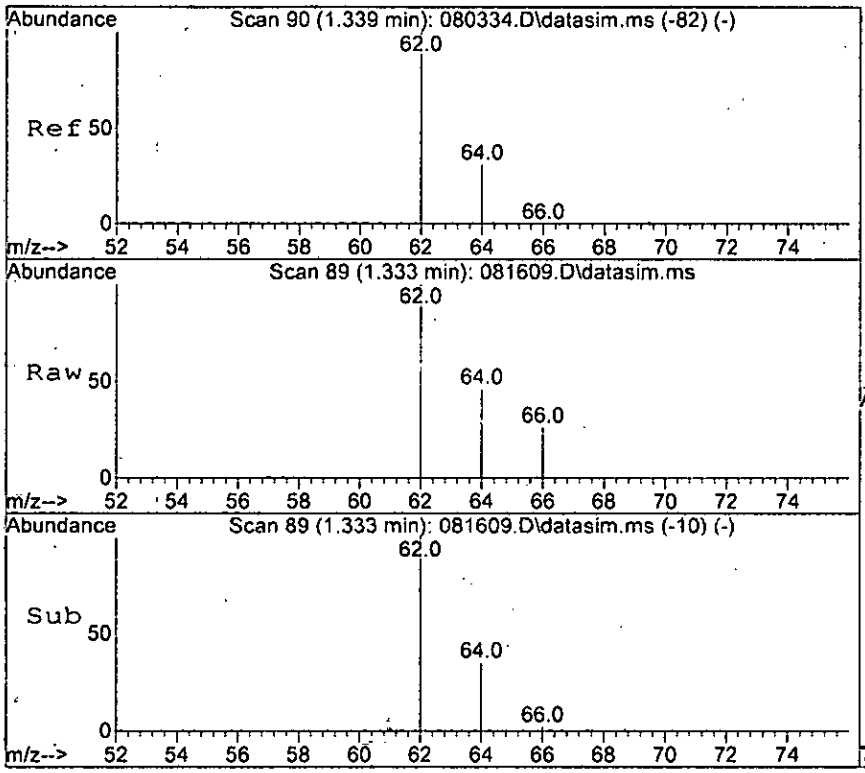
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:04:39 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



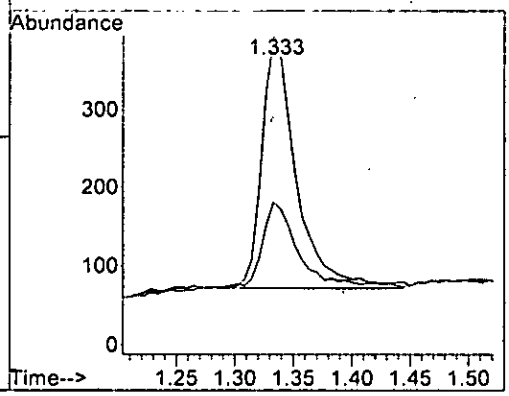


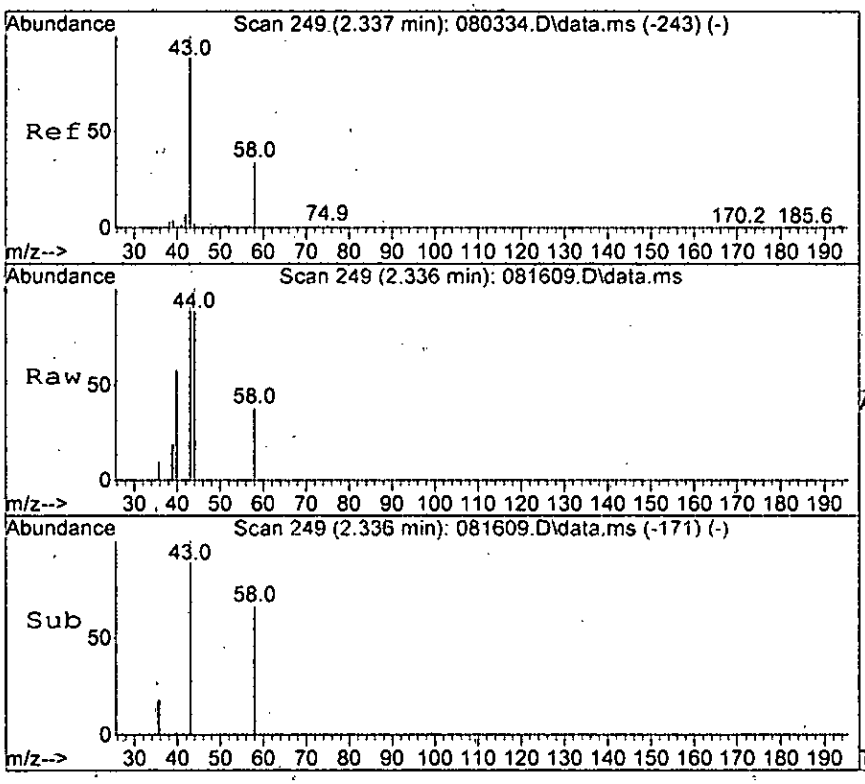


#6
Vinyl chloride
Concen: 0.366 ppb m
RT: 1.33 min Scan# 89
Delta R.T. -0.012 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 62 Resp: 646

Ion	Ratio	Lower	Upper
62	100		
64	45.8	3.3	63.3

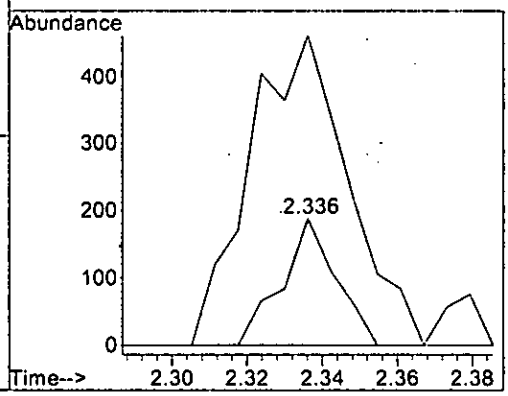


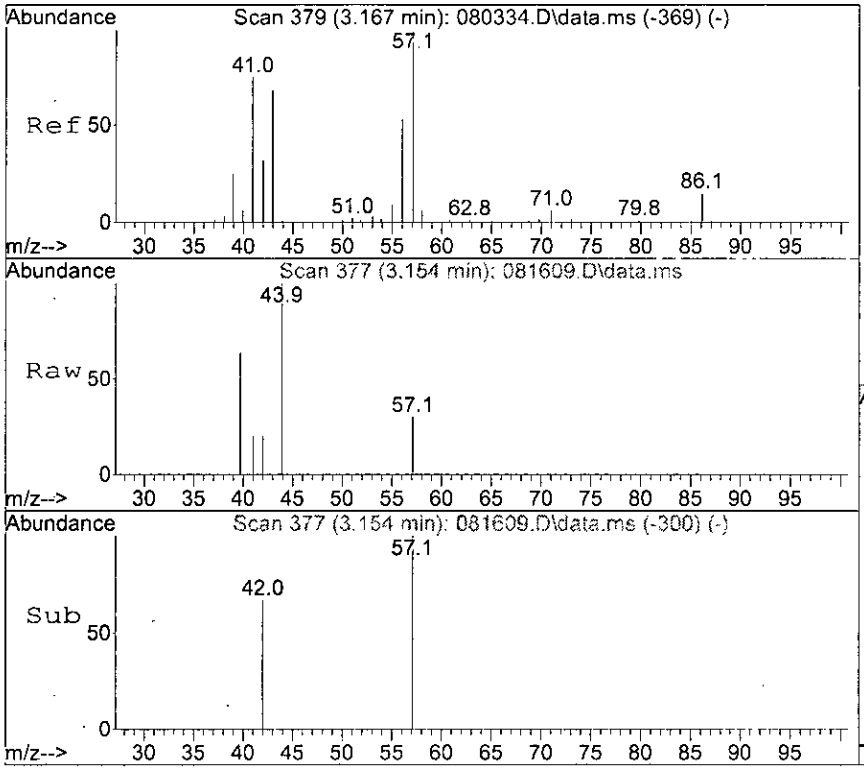


#11
Acetone
Concen: 1.486 ppb
RT: 2.34 min Scan# 249
Delta R.T. -0.006 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 58 Resp: 188

Ion	Ratio	Lower	Upper
58	100		
43	446.8	406.5	466.5

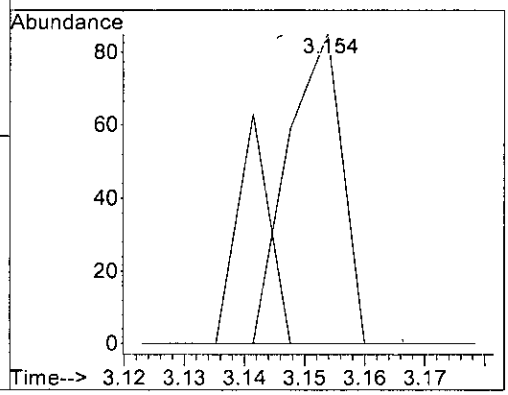


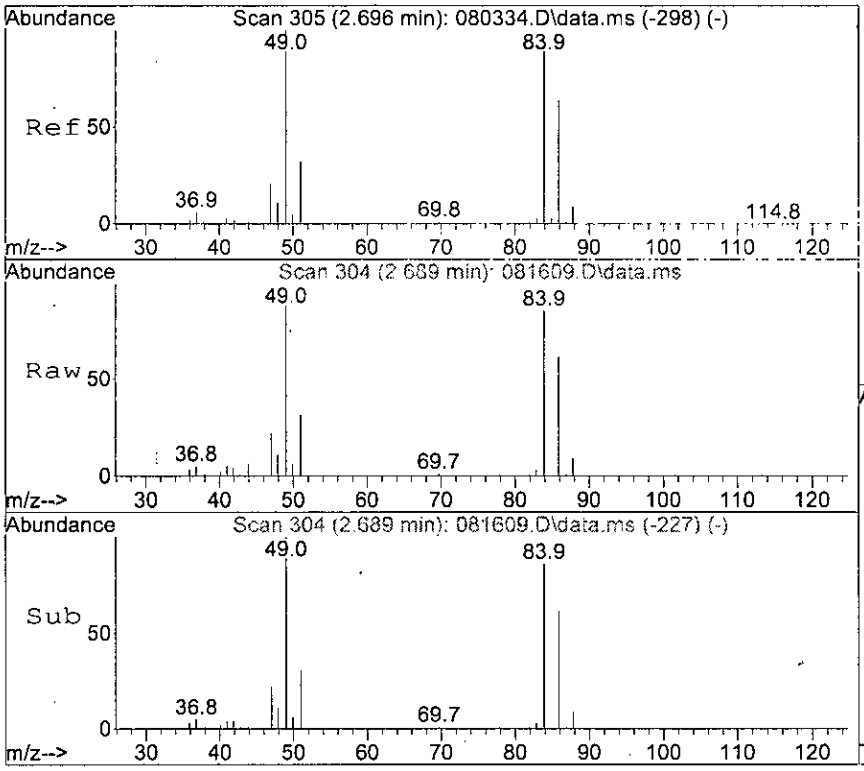


#13
Hexane
Concen: 0.029 ppb
RT: 3.15 min Scan# 377
Delta R.T. -0.012 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 57 Resp: 53

Ion	Ratio	Lower	Upper
57	100		
43	0.0	38.2	98.2#
86	0.0	0.0	46.5

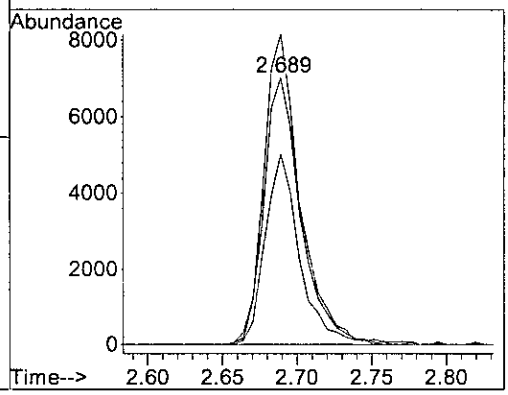


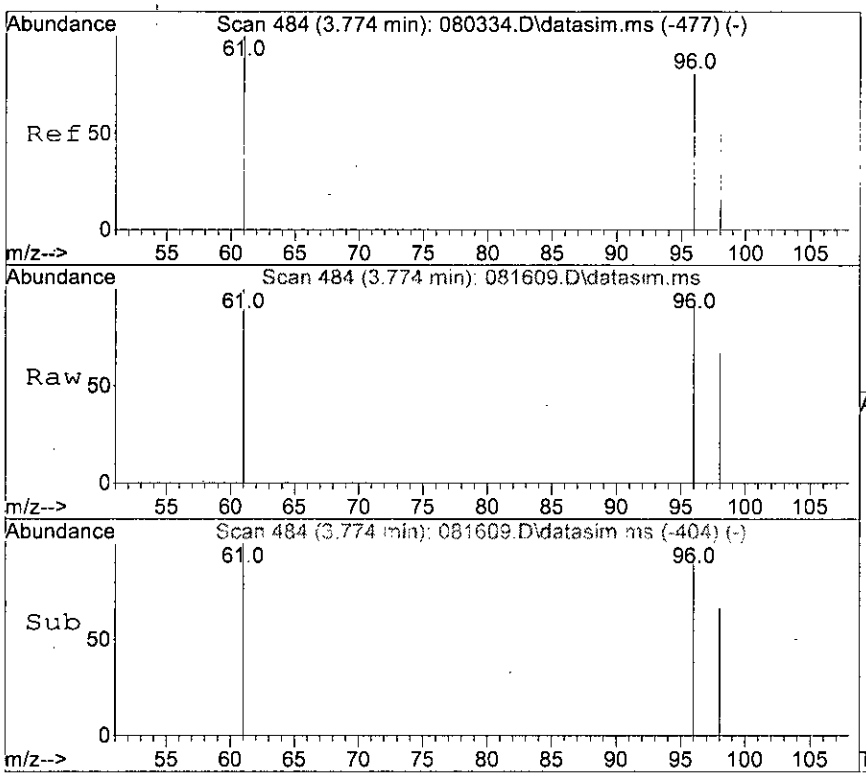


#14
Methylene chloride
Concen: 1.866 ppb
RT: 2.69 min Scan# 304
Delta R.T. -0.006 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 84 Resp: 12142

Ion	Ratio	Lower	Upper
84	100		
86	71.6	42.8	102.8
49	116.1	84.1	144.1

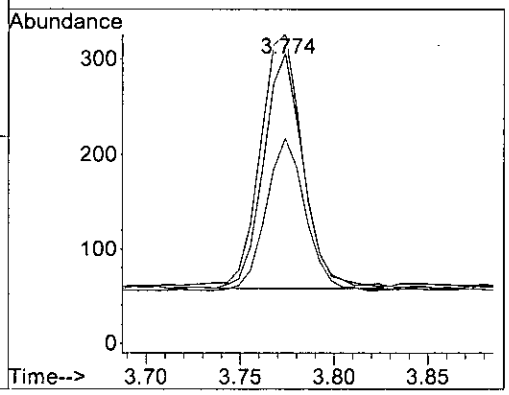


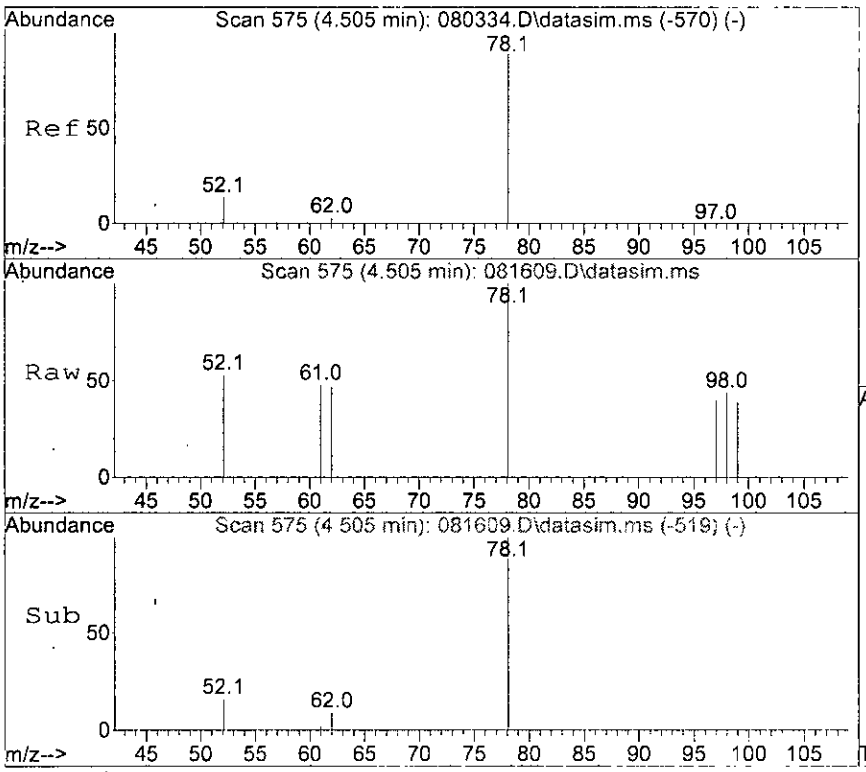


#22
cis-1,2-Dichloroethene
Concen: 0.200 ppb
RT: 3.77 min Scan# 484
Delta R.T. -0.006 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 96 Resp: 366

Ion	Ratio	Lower	Upper
96	100		
61	106.0	86.8	146.8
98	64.9	34.0	94.0

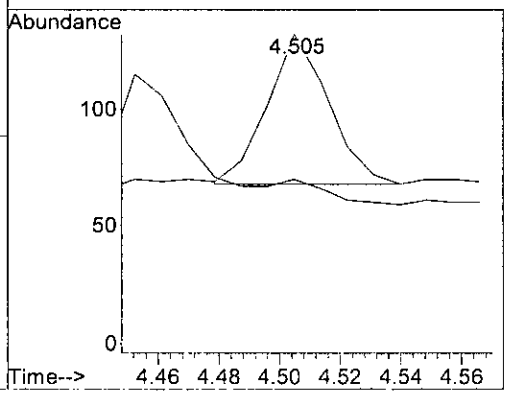


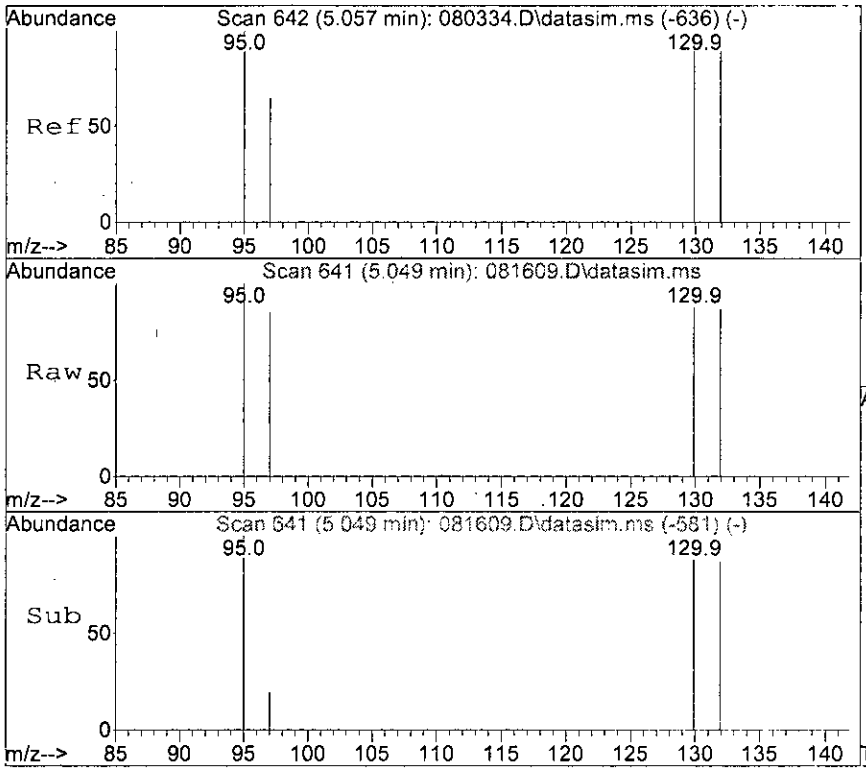


#31
Benzene
Concen: 0.014 ppb
RT: 4.50 min Scan# 575
Delta R.T. -0.009 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 78 Resp: 90

Ion	Ratio	Lower	Upper
78	100		
52	17.2	0.0	43.7

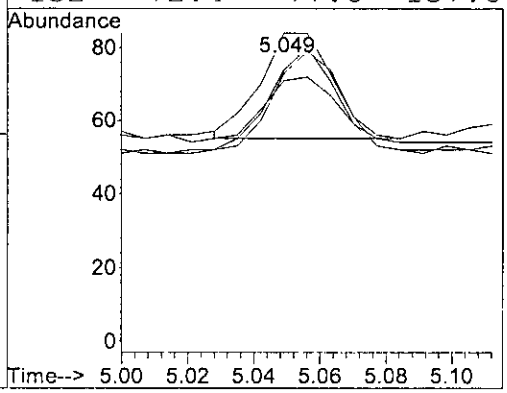


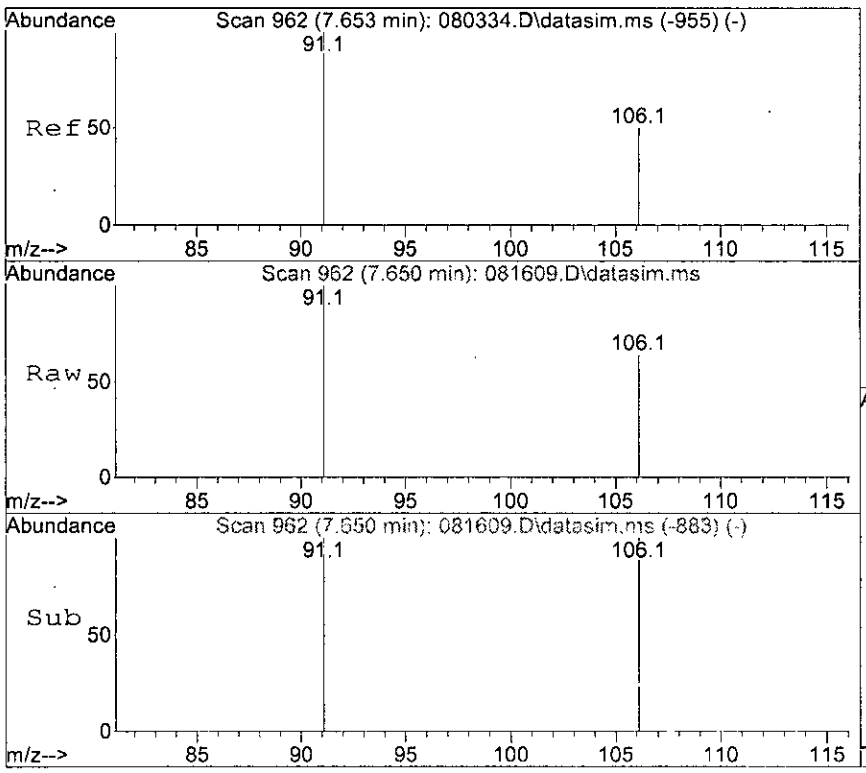


#32
Trichloroethene
Concen: 0.023 ppb
RT: 5.05 min Scan# 641
Delta R.T. -0.007 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion: 95 Resp: 44

Ion	Ratio	Lower	Upper
95	100		
97	58.6	32.6	92.6
130	75.9	94.9	154.9#
132	72.4	77.8	137.8#

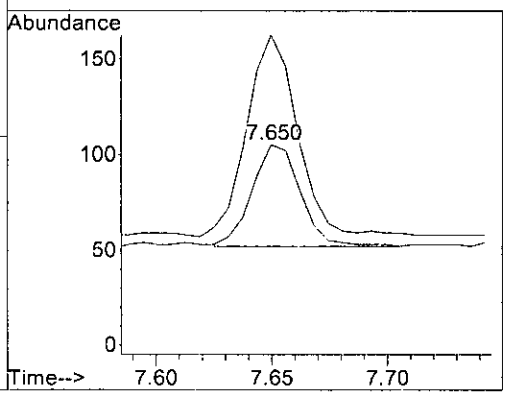


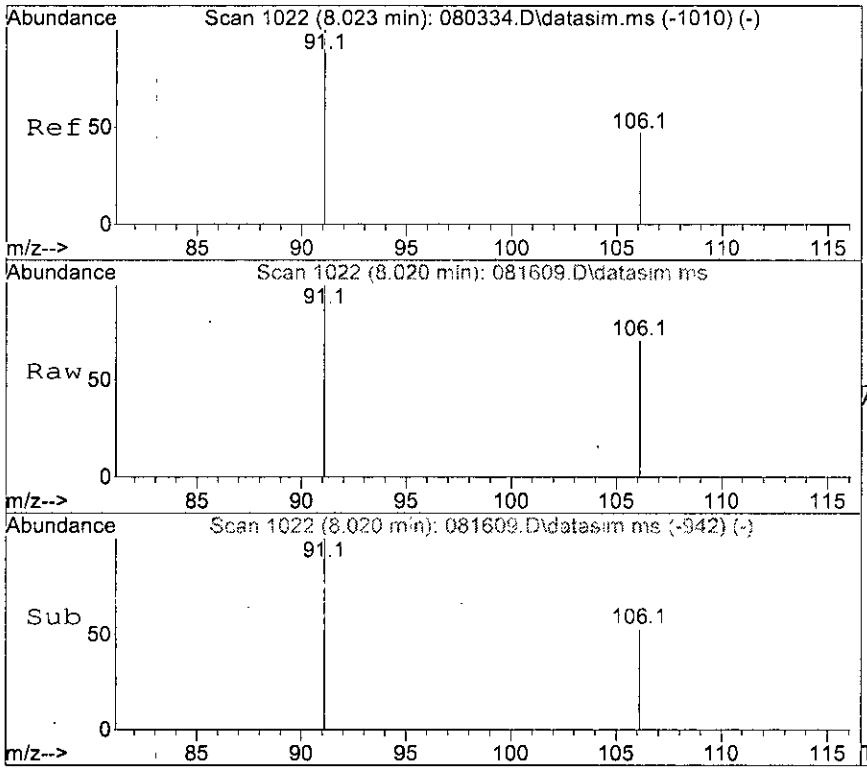


#51
m,p-Xylene
Concen: 0.013 ppb
RT: 7.65 min Scan# 962
Delta R.T. -0.006 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion:106 Resp: 77

Ion	Ratio	Lower	Upper
106	100		
91	196.2	142.1	202.1

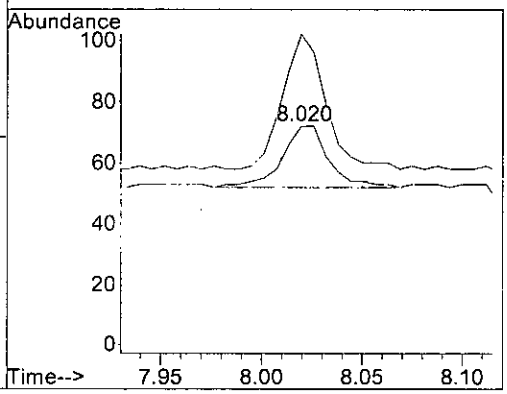


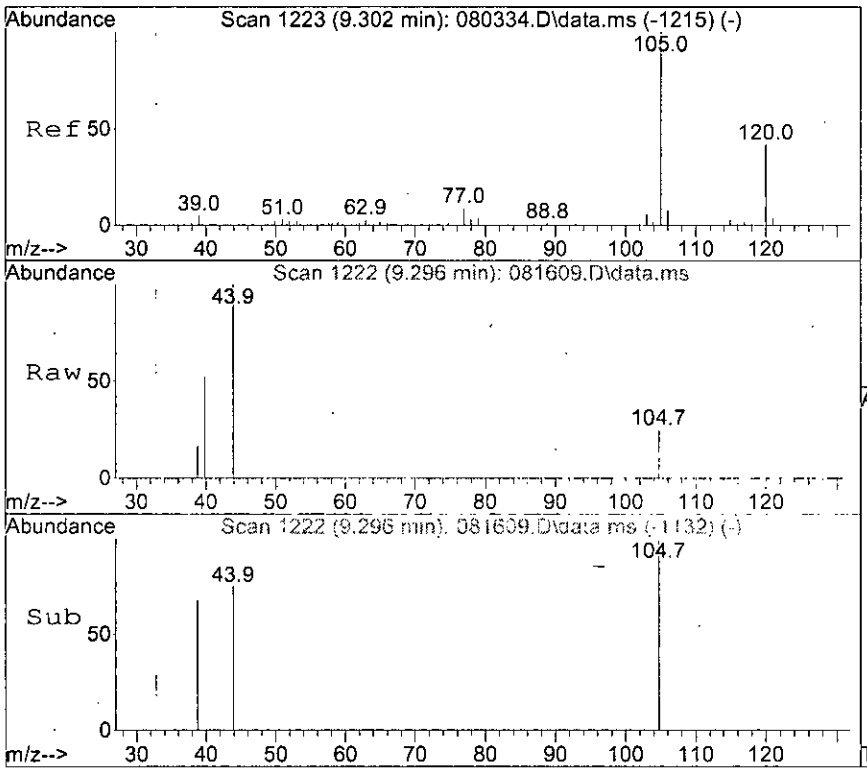


#52
o-Xylene
Concen: 0.012 ppb
RT: 8.02 min Scan# 1022
Delta R.T. -0.006 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion:106 Resp: 33

Ion	Ratio	Lower	Upper
106	100		
91	220.0	171.0	231.0

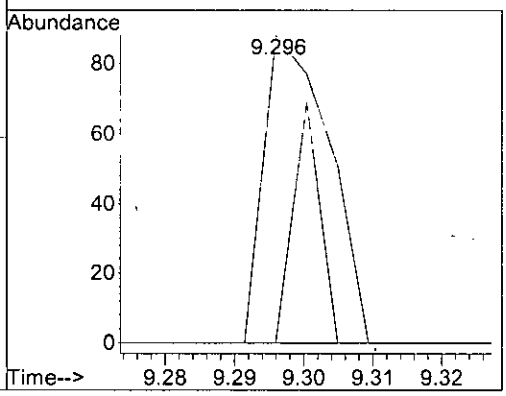


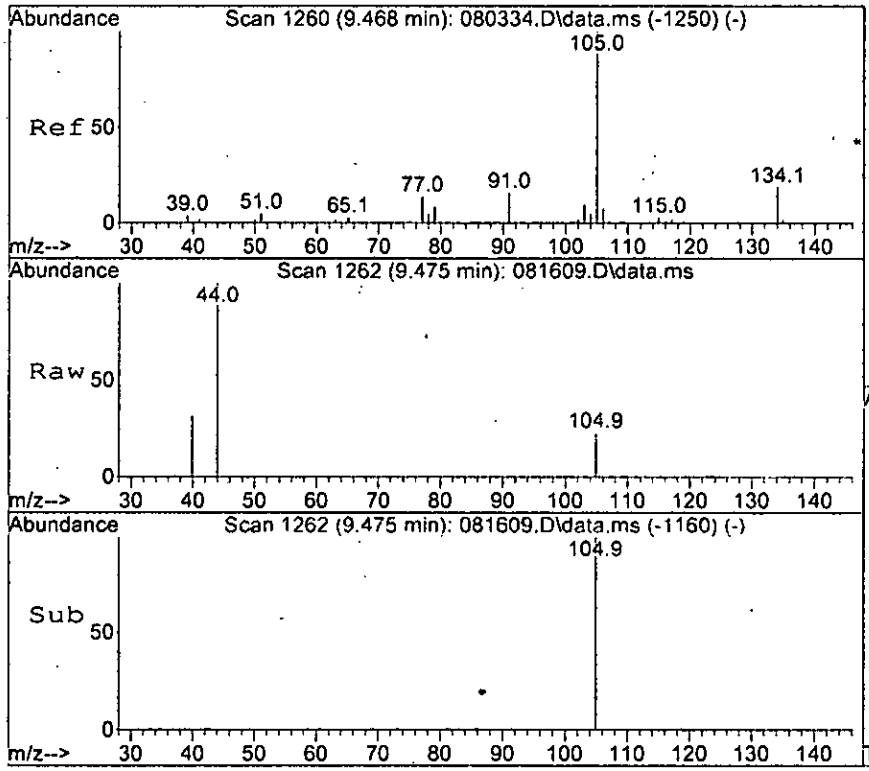


#66
1,2,4-Trimethylbenzene
Concen: 0.011 ppb
RT: 9.30 min Scan# 1222
Delta R.T. -0.004 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion:105 Resp: 58

Ion	Ratio	Lower	Upper
105	100		
120	0.0	18.1	78.1#

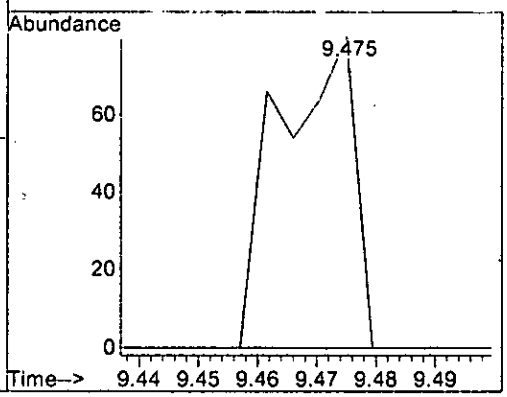




#67
sec-Butylbenzene
Concen: 0.011 ppb
RT: 9.47 min Scan# 1262
Delta R.T. 0.005 min
Lab File: 081609.D
Acq: 16 Aug 2022 08:40 am

Tgt Ion:105 Resp: 71

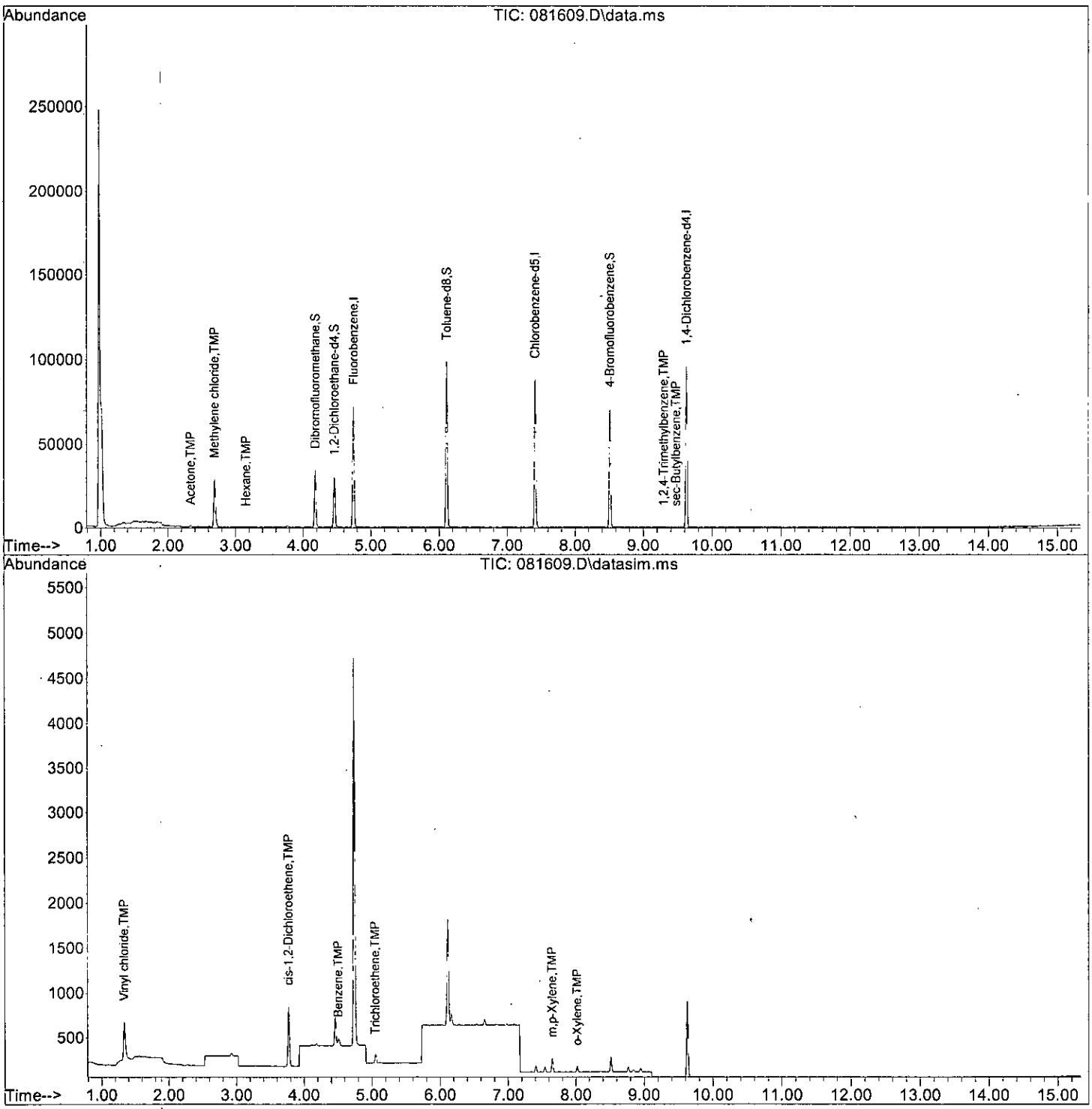
Ion	Ratio	Lower	Upper
105	100		
134	0.0	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:04:39 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:04:39 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	53093	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	40056	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	20752	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	14805	9.993	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.90%				
30) 1,2-Dichloroethane-d4	4.46	102	3446	10.854	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 108.50%				
35) Toluene-d8	6.11	98	53153	9.879	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 98.80%				
57) 4-Bromofluorobenzene	8.52	95	19040	9.376	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 93.80%				
Target Compounds							Qvalue
2) Ethanol	2.31	45	21	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	646m	0.366	ppb		
7) Bromomethane	0.00		0	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.31	45	21	No Calib			
11) Acetone	2.34	58	188	1.486	ppb		96
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.15	57	53	0.029	ppb	#	25
14) Methylene chloride	2.69	84	12142	1.866	ppb		98
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22] cis-1,2-Dichloroethene	3.77	96	366	0.200	ppb		93
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	4.52	62	57	N.D.			
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	90	0.014	ppb		91
32] Trichloroethene	5.05	95	44	0.023	ppb	#	68
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			
37) 4-Methyl-2-pentanone	0.00		0	N.D.			
38) cis-1,3-Dichloropropene	0.00		0	N.D.			
40) Toluene	6.16	92	65	N.D.			
41) trans-1,3-Dichloropropene	0.00		0	N.D.			

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081609.D
Acq On : 16 Aug 2022 08:40 am
Operator : WE
Sample : 208204-02
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:04:39 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D.			
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	0.00		0	N.D.			
45) Tetrachloroethene	6.65	164	22	N.D.			
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.			
49) Ethylbenzene	7.54	91	68	N.D.			
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51) m,p-Xylene	7.65	106	77	0.013	ppb		83
52) o-Xylene	8.02	106	33	0.012	ppb		87
53) Styrene	8.03	104	21	N.D.			
54) Isopropylbenzene	0.00		0	N.D.	d		
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	8.94	91	22	N.D.			
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.			
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d		
63) 2-Chlorotoluene	8.94	91	22	N.D.			
64) 4-Chlorotoluene	8.94	91	22	N.D.			
65) tert-Butylbenzene	0.00		0	N.D.			
66) 1,2,4-Trimethylbenzene	9.30	105	58	0.011	ppb	#	29
67) sec-Butylbenzene	9.47	105	71	0.011	ppb		53
68) p-Isopropyltoluene	0.00		0	N.D.			
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	0.00		0	N.D.			
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	11.83	128	24	N.D.			
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

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

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081610.D
Acq On : 16 Aug 2022 09:03 am
Operator : WE
Sample : 208204-04
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:51:55 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

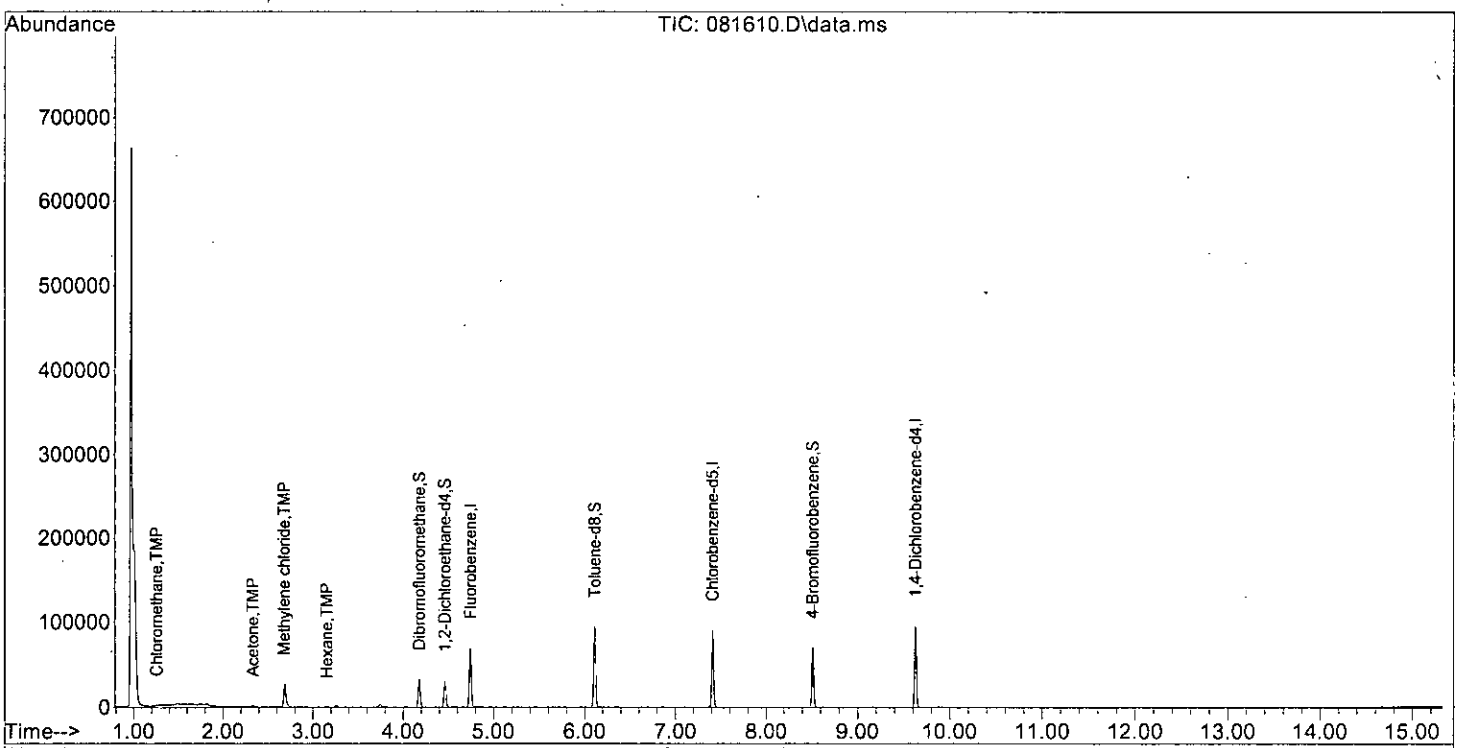
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.75	96	51468	10.000 ppb	0.00
39) Chlorobenzene-d5	7.41	117	41655	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	20506	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	15061	10.486 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.90%		
30) 1,2-Dichloroethane-d4	4.46	102	3247	10.550 ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 105.50%		
35) Toluene-d8	6.11	98	52532	10.071 ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 100.70%		
57) 4-Bromofluorobenzene	8.52	95	19140	9.538 ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 95.40%		
Target Compounds					Qvalue
5) Chloromethane	1.26	50	649	0.389 ppb	89
11) Acetone	2.33	58	656	5.350 ppb #	53
13) Hexane	3.15	57	100	0.056 ppb	88
14) Methylene chloride	2.68	84	12535	2.450 ppb	85
22] cis-1,2-Dichloroethene	3.77	96	50	0.028 ppb #	76
26] 1,2-Dichloroethane (EDC)	4.52	62	44	Below Cal	86
31] Benzene	4.50	78	72	0.011 ppb	90
40] Toluene	6.16	92	131	0.020 ppb	98
49] Ethylbenzene	7.54	91	88	0.011 ppb	88
51] m,p-Xylene	7.65	106	107	0.022 ppb	83
52] o-Xylene	8.02	106	44	0.015 ppb	94

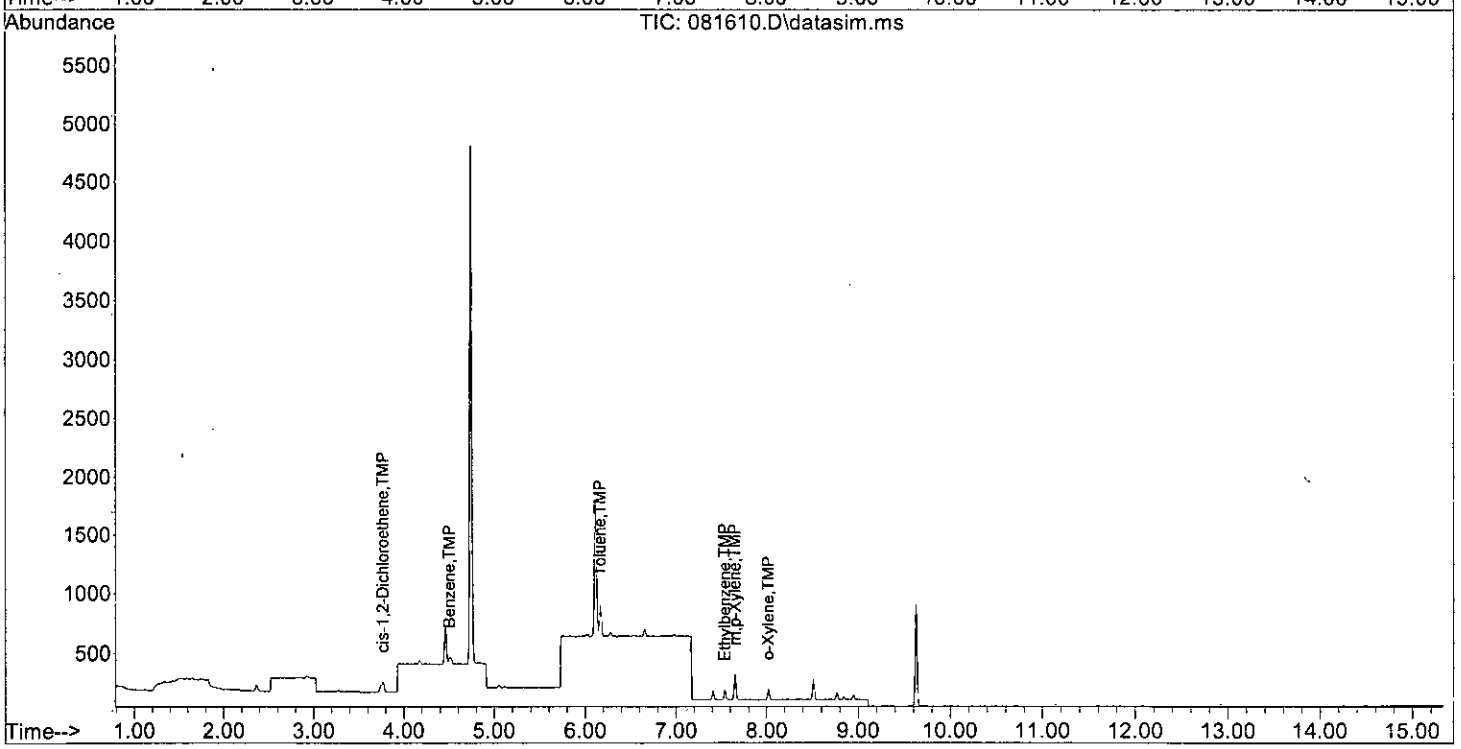
(#) = qualifier out of range (m) = manual integration (+) = signals summed

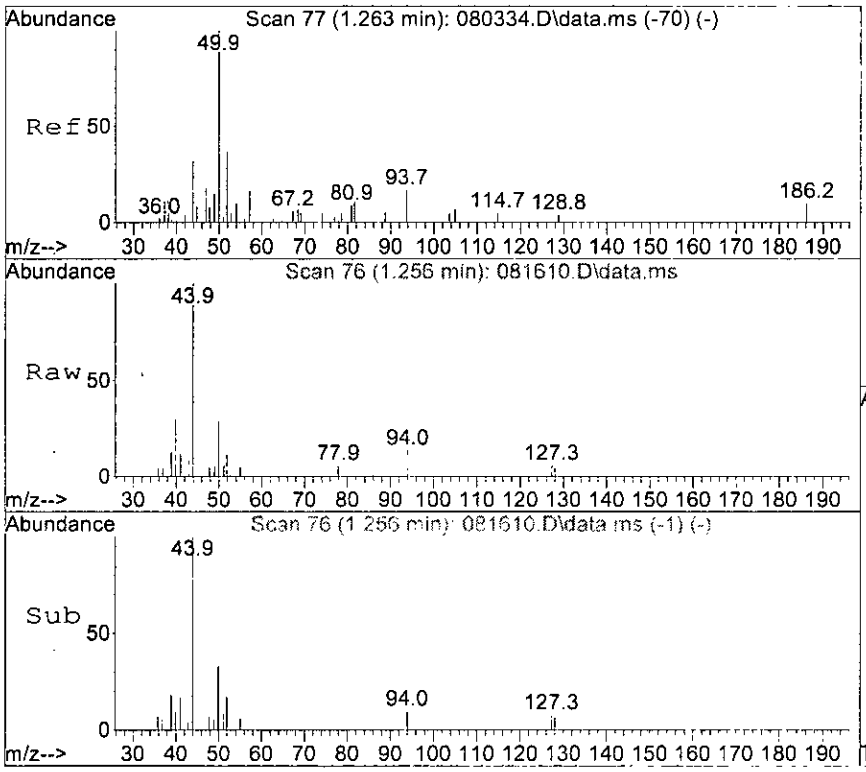
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081610.D
Acq On : 16 Aug 2022 09:03 am
Operator : WE
Sample : 208204-04
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:51:55 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M



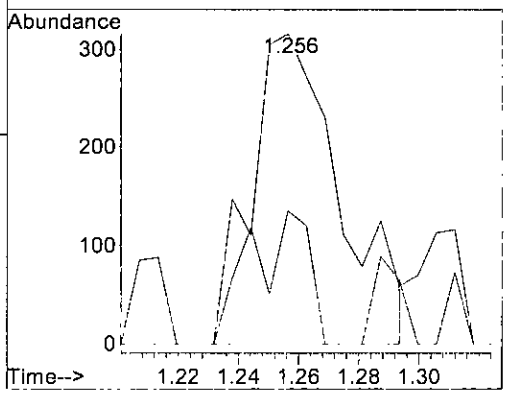


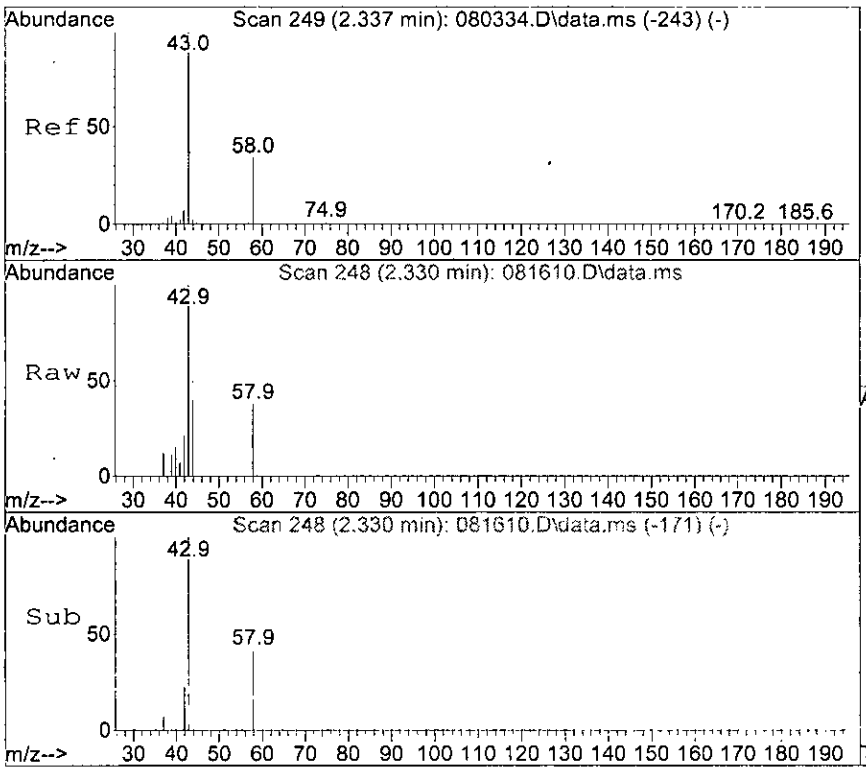


#5
Chloromethane
Concen: 0.389 ppb
RT: 1.26 min Scan# 76
Delta R.T. -0.013 min
Lab File: 081610.D
Acq: 16 Aug 2022 09:03 am

Tgt Ion: 50 Resp: 649

Ion	Ratio	Lower	Upper
50	100		
52	42.7	6.3	66.3

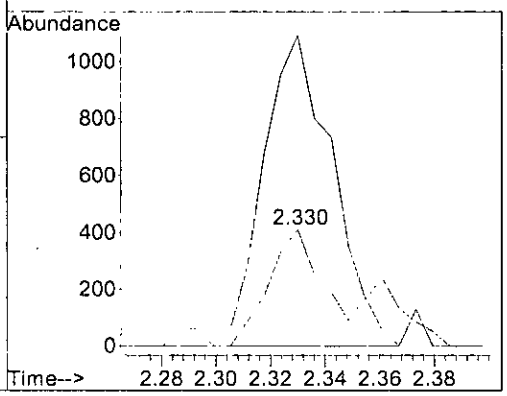


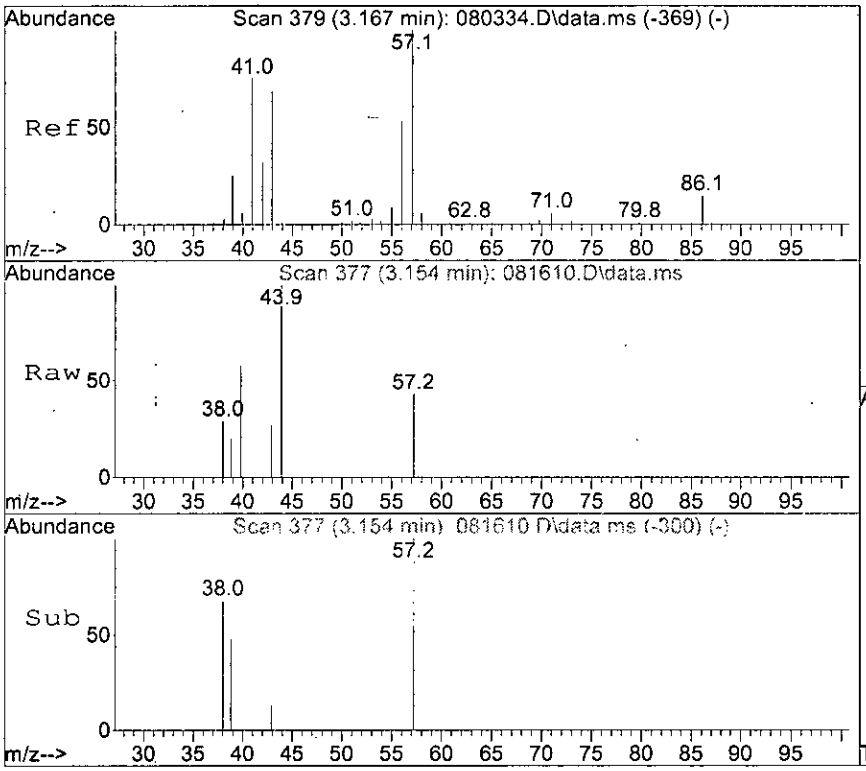


#11
Acetone
Concen: 5.350 ppb
RT: 2.33 min Scan# 248
Delta R.T. -0.012 min
Lab File: 081610.D
Acq: 16 Aug 2022 09:03 am

Tgt Ion: 58 Resp: 656

Ion	Ratio	Lower	Upper
58	100		
43	318.0	406.5	466.5#

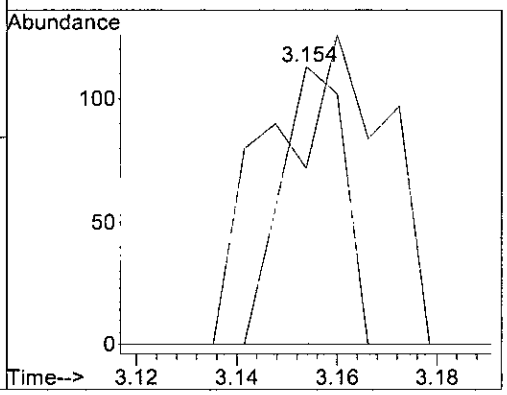


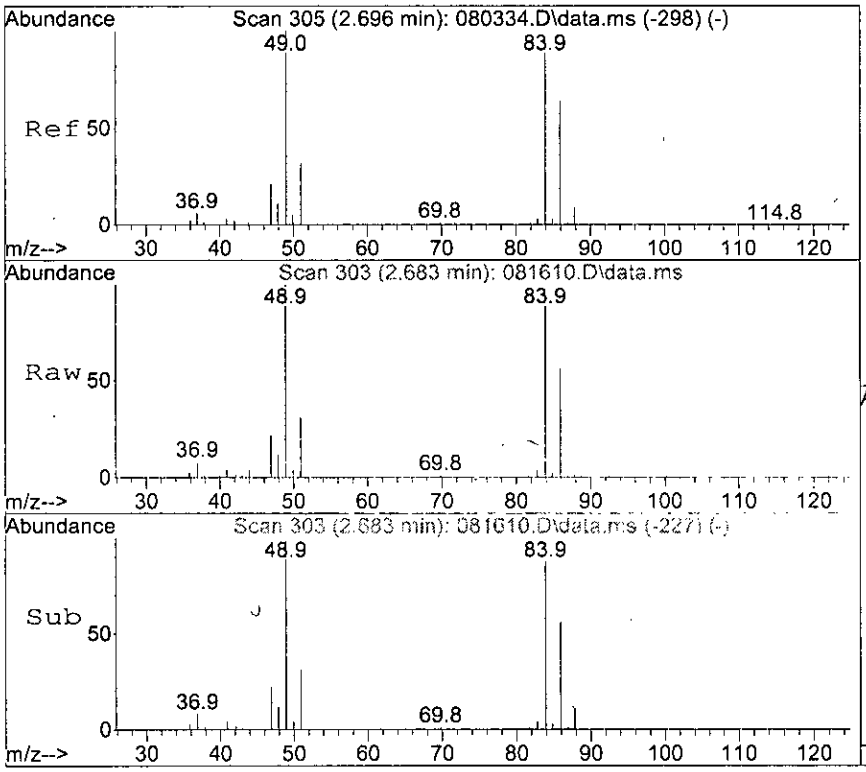


#13
Hexane
Concen: 0.056 ppb
RT: 3.15 min Scan# 377
Delta R.T. -0.012 min
Lab File: 081610.D
Acq: 16 Aug 2022 09:03 am

Tgt Ion: 57 Resp: 100

Ion	Ratio	Lower	Upper
57	100		
43	63.7	38.2	98.2
86	0.0	0.0	46.5

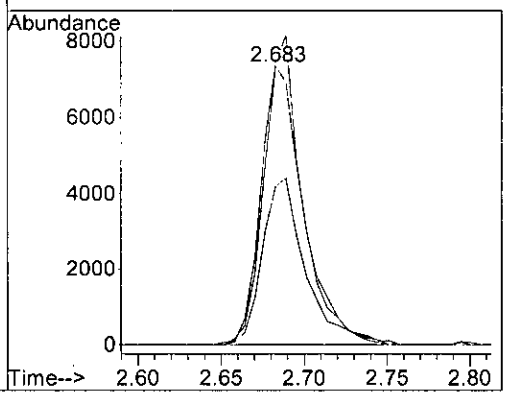


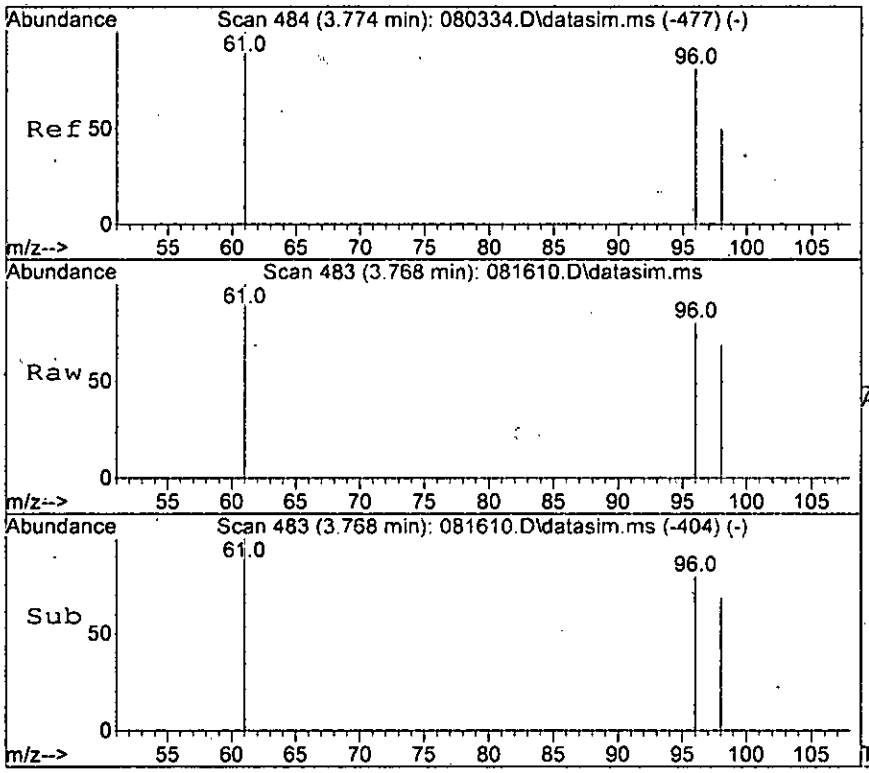


#14
Methylene chloride
Concen: 2.450 ppb
RT: 2.68 min Scan# 303
Delta R.T. -0.012 min
Lab File: 081610.D
Acq: 16 Aug 2022 09:03 am

Tgt Ion: 84 Resp: 12535

Ion	Ratio	Lower	Upper
84	100		
86	57.2	42.8	102.8
49	101.2	84.1	144.1

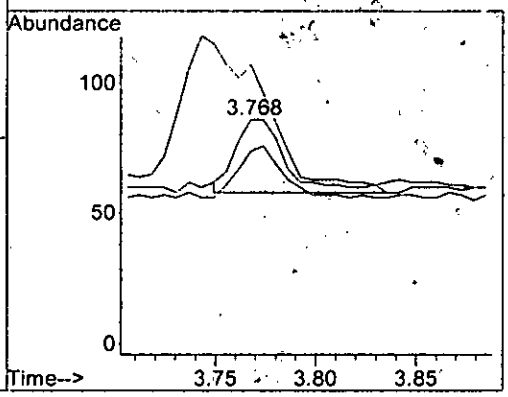


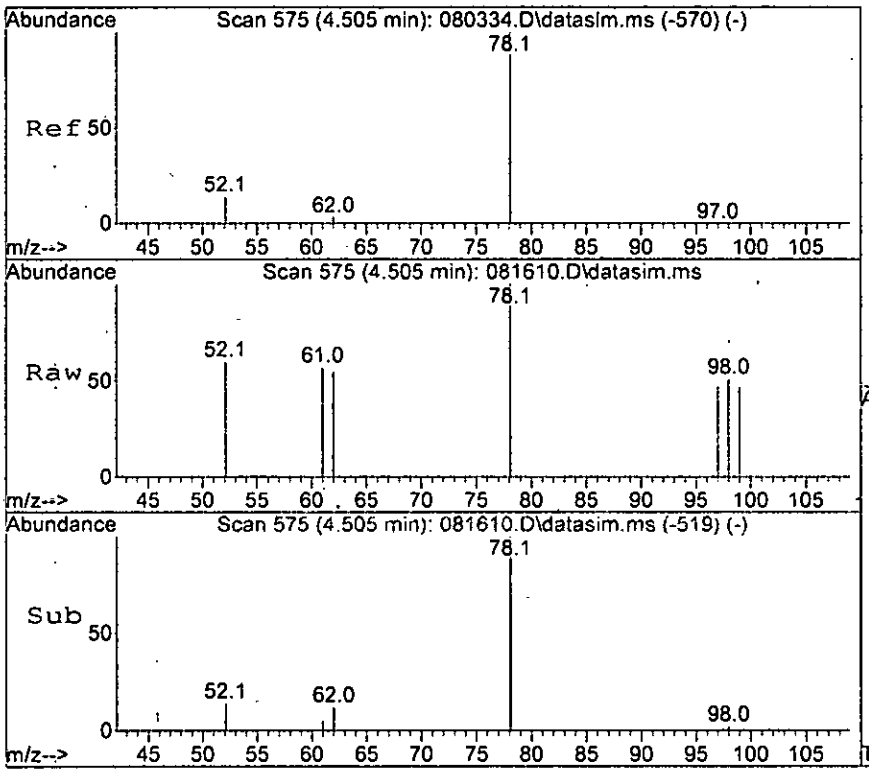


#22
cis-1,2-Dichloroethene
Concen: 0.028 ppb
RT: 3.77 min Scan# 483
Delta R.T. -0.012 min
Lab File: 081610.D
Acq: 16 Aug 2022 09:03 am

Tgt Ion: 96 Resp: 50

Ion	Ratio	Lower	Upper
96	100		
61	157.1	86.8	146.8#
98	64.3	34.0	94.0

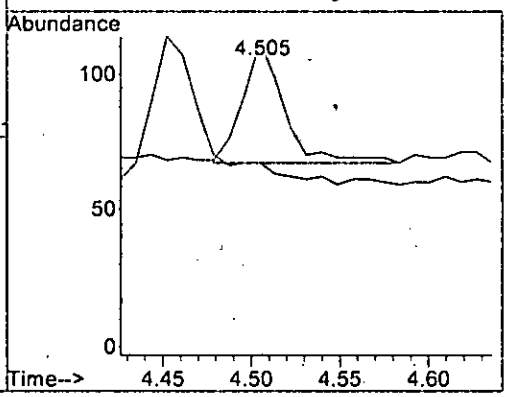


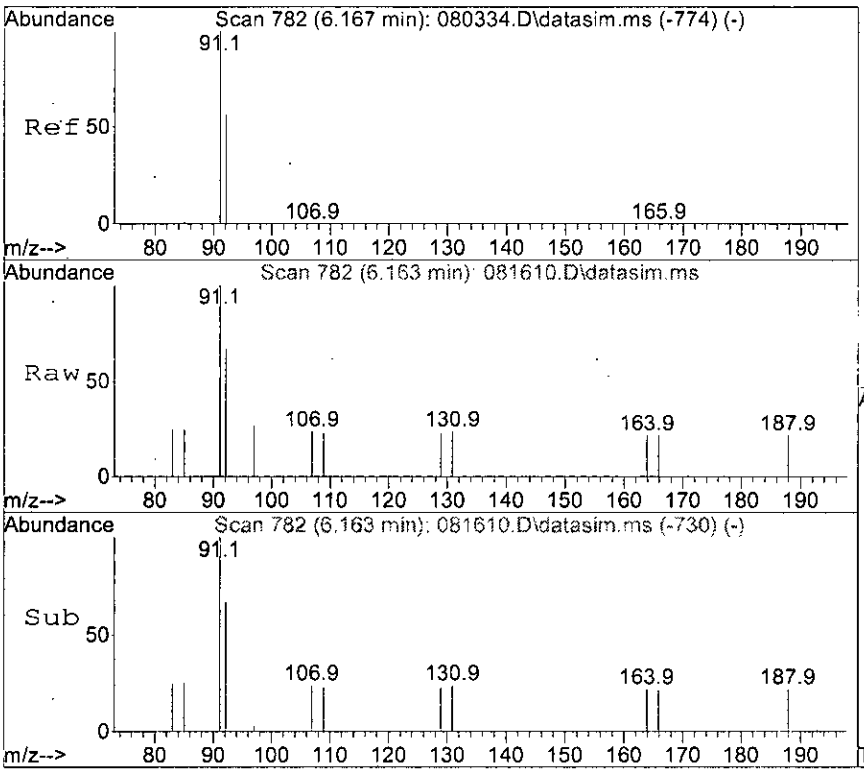


#31
Benzene
Concen: 0.011 ppb
RT: 4.50 min Scan# 575
Delta R.T. -0.009 min
Lab File: 081610.D
Acq: 16 Aug 2022 09:03 am

Tgt Ion: 78 Resp: 72

Ion	Ratio	Lower	Upper
78	100		
52	17.8	0.0	43.7

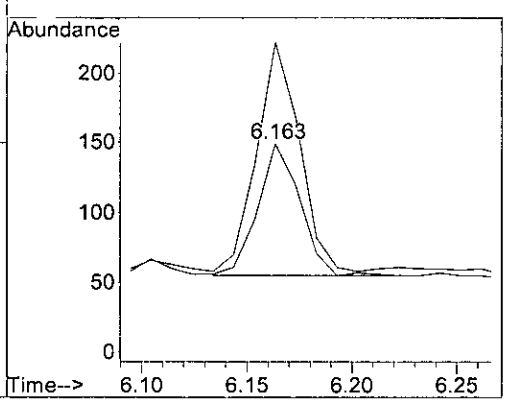


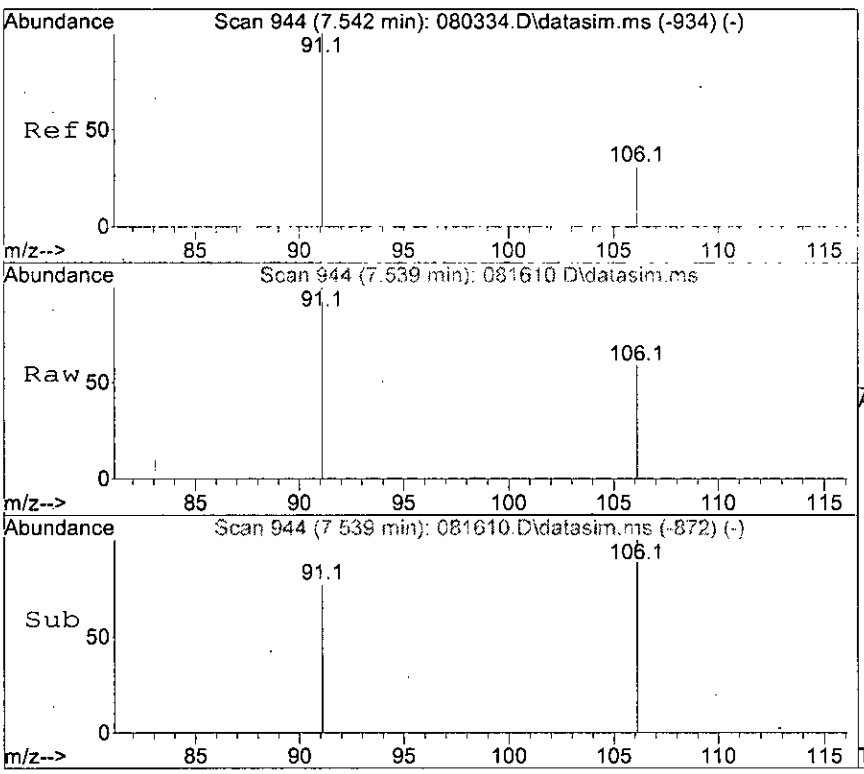


#40
Toluene
Concen: 0.020 ppb
RT: 6.16 min Scan# 782
Delta R.T. -0.010 min
Lab File: 081610.D
Acq: 16 Aug 2022 09:03 am

Tgt Ion: 92 Resp: 131

Ion	Ratio	Lower	Upper
92	100		
91	175.5	148.4	208.4

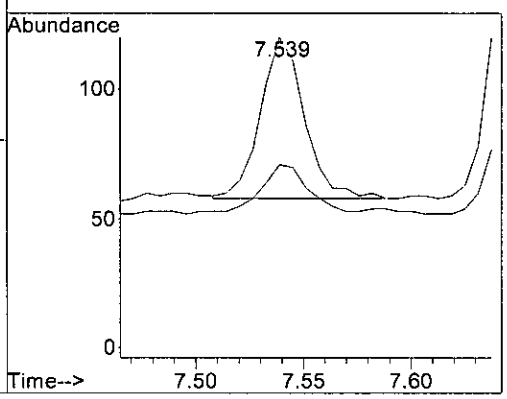


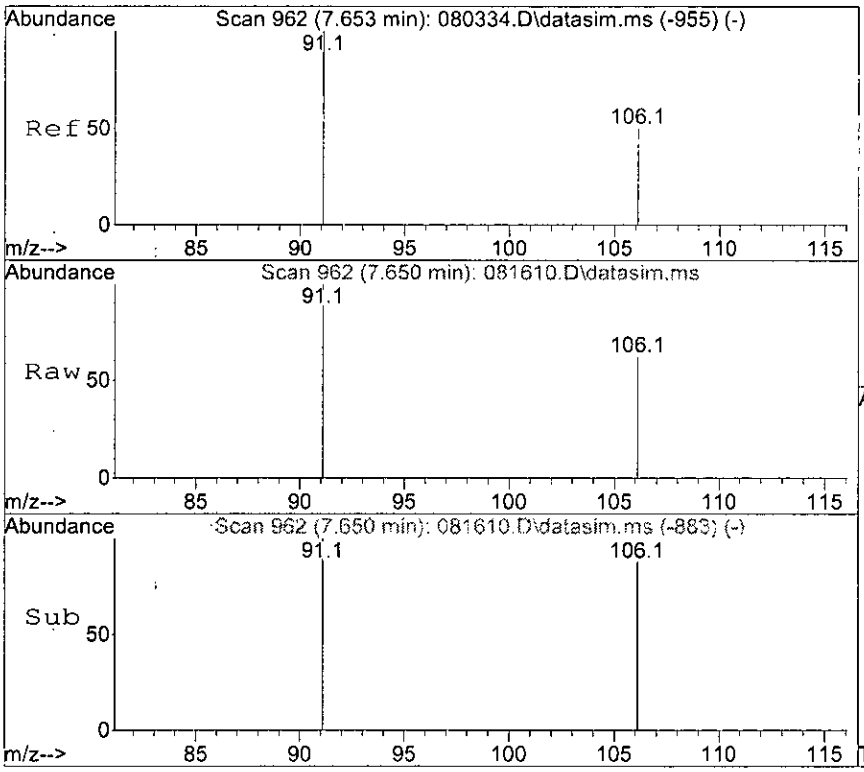


#49
Ethylbenzene
Concen: 0.011 ppb
RT: 7.54 min Scan# 944
Delta R.T. -0.006 min
Lab File: 081610.D
Acq: 16 Aug 2022 09:03 am

Tgt Ion: 91 Resp: 88

Ion	Ratio	Lower	Upper
91	100		
106	29.0	6.1	66.1

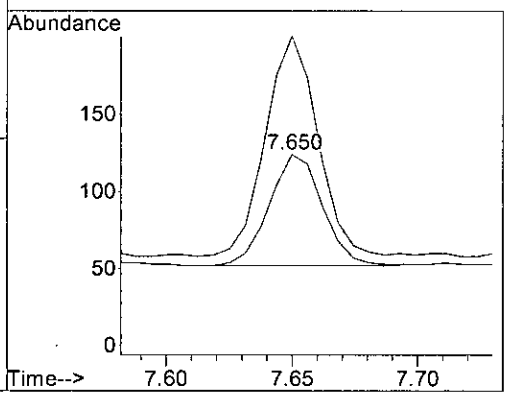


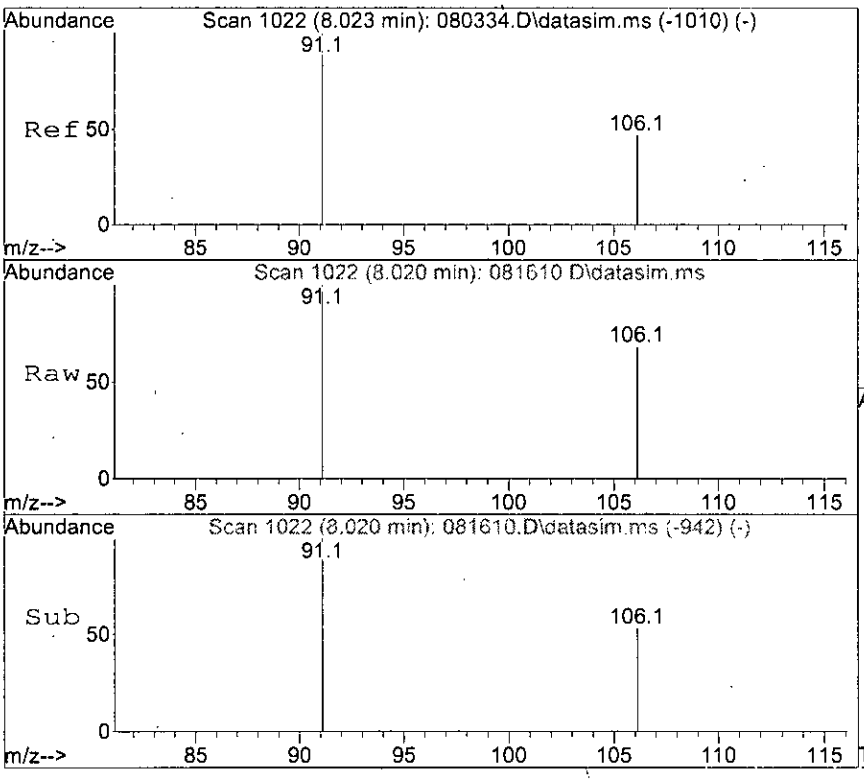


#51
m,p-Xylene
Concen: 0.022 ppb
RT: 7.65 min Scan# 962
Delta R.T. -0.006 min
Lab File: 081610.D
Acq: 16 Aug 2022 09:03 am

Tgt Ion:106 Resp: 107

Ion	Ratio	Lower	Upper
106	100		
91	195.8	142.1	202.1

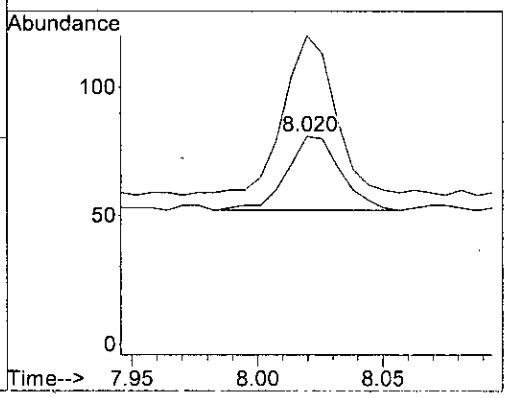




#52
o-Xylene
Concen: 0.015 ppb
RT: 8.02 min Scan# 1022
Delta R.T. -0.006 min
Lab File: 081610.D
Acq: 16 Aug 2022 09:03 am

Tgt Ion:106 Resp: 44

Ion	Ratio	Lower	Upper
106	100		
91	210.3	171.0	231.0



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081610.D
Acq On : 16 Aug 2022 09:03 am
Operator : WE
Sample : 208204-04
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:51:55 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	51468	10.000 ppb		0.00
39) Chlorobenzene-d5	7.41	117	41655	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.63	152	20506	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	15061	10.486 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.90%			
30) 1,2-Dichloroethane-d4	4.46	102	3247	10.550 ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 105.50%			
35) Toluene-d8	6.11	98	52532	10.071 ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 100.70%			
57) 4-Bromofluorobenzene	8.52	95	19140	9.538 ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 95.40%			
Target Compounds						Qvalue
2) Ethanol	2.35	45	165	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.26	50	649	0.389 ppb		89
6) Vinyl chloride	0.00		0	N.D. d		
7) Bromomethane	0.00		0	N.D. d		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	2.35	45	165	No Calib		
11) Acetone	2.33	58	656	5.350 ppb	#	53
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	3.15	57	100	0.056 ppb		88
14) Methylene chloride	2.68	84	12535	2.450 ppb		85
15) t-Butyl alcohol (TBA)	0.00		0	N.D. d		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D. d		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D. d		
22) cis-1,2-Dichloroethene	3.77	96	50	0.028 ppb	#	76
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D. d		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	4.52	62	44	Below Cal		86
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	4.50	78	72	0.011 ppb		90
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	6.16	92	131	0.020 ppb		98
41) trans-1,3-Dichloropropene	0.00		0	N.D.		

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081610.D
Acq On : 16 Aug 2022 09:03 am
Operator : WE
Sample : 208204-04
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:51:55 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M

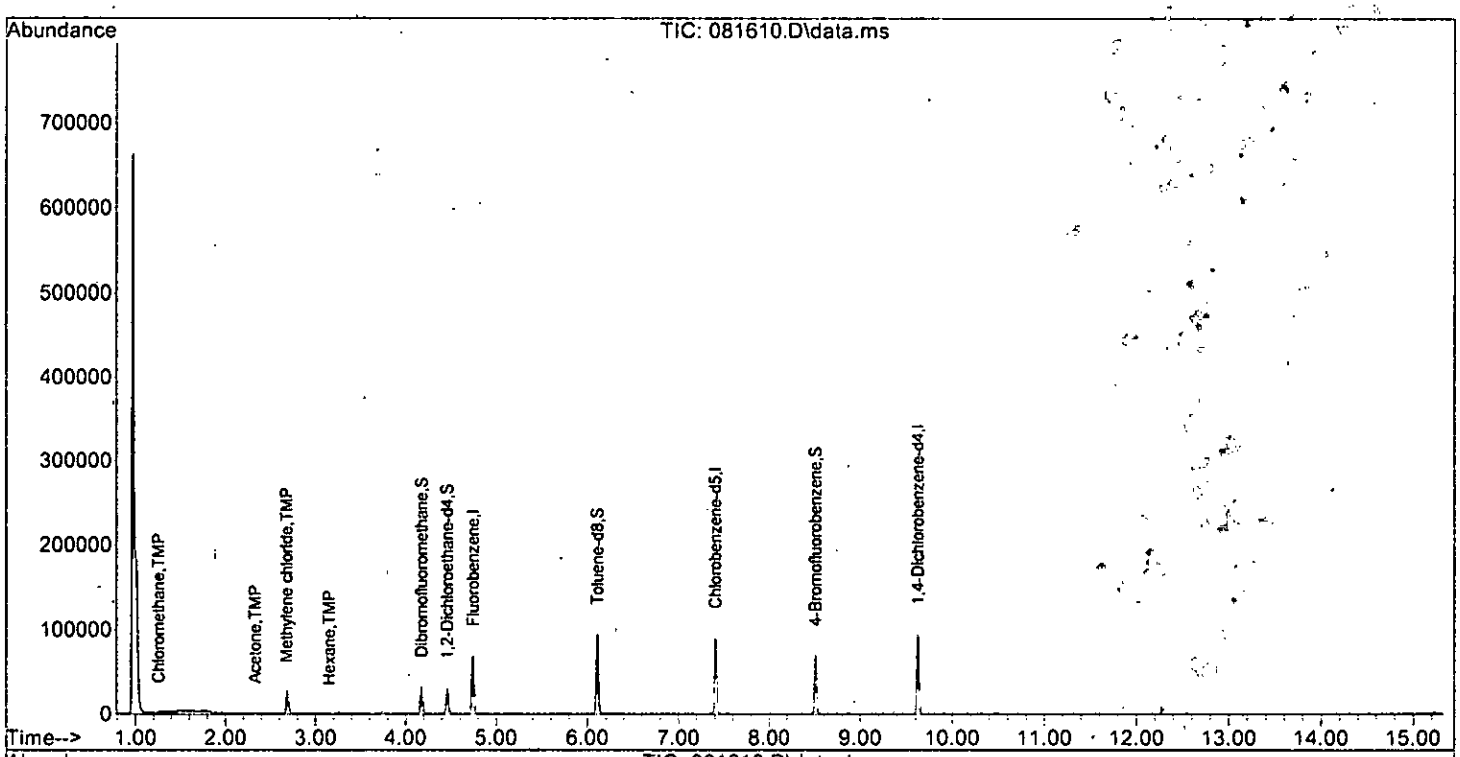
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	0.00		0	N.D. d		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45) Tetrachloroethene	6.65	164	22	N.D.		
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49) Ethylbenzene	7.54	91	88	0.011	ppb	88
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51) m,p-Xylene	7.65	106	107	0.022	ppb	83
52) o-Xylene	8.02	106	44	0.015	ppb	94
53) Styrene	8.04	104	24	N.D.		
54) Isopropylbenzene	0.00		0	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	8.76	91	20	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	8.95	91	21	N.D.		
64) 4-Chlorotoluene	0.00		0	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
67) sec-Butylbenzene	0.00		0	N.D. d		
68) p-Isopropyltoluene	9.60	119	30	N.D.		
69) 1,3-Dichlorobenzene	9.65	146	28	N.D.		
70) 1,4-Dichlorobenzene	9.65	146	28	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D. d		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

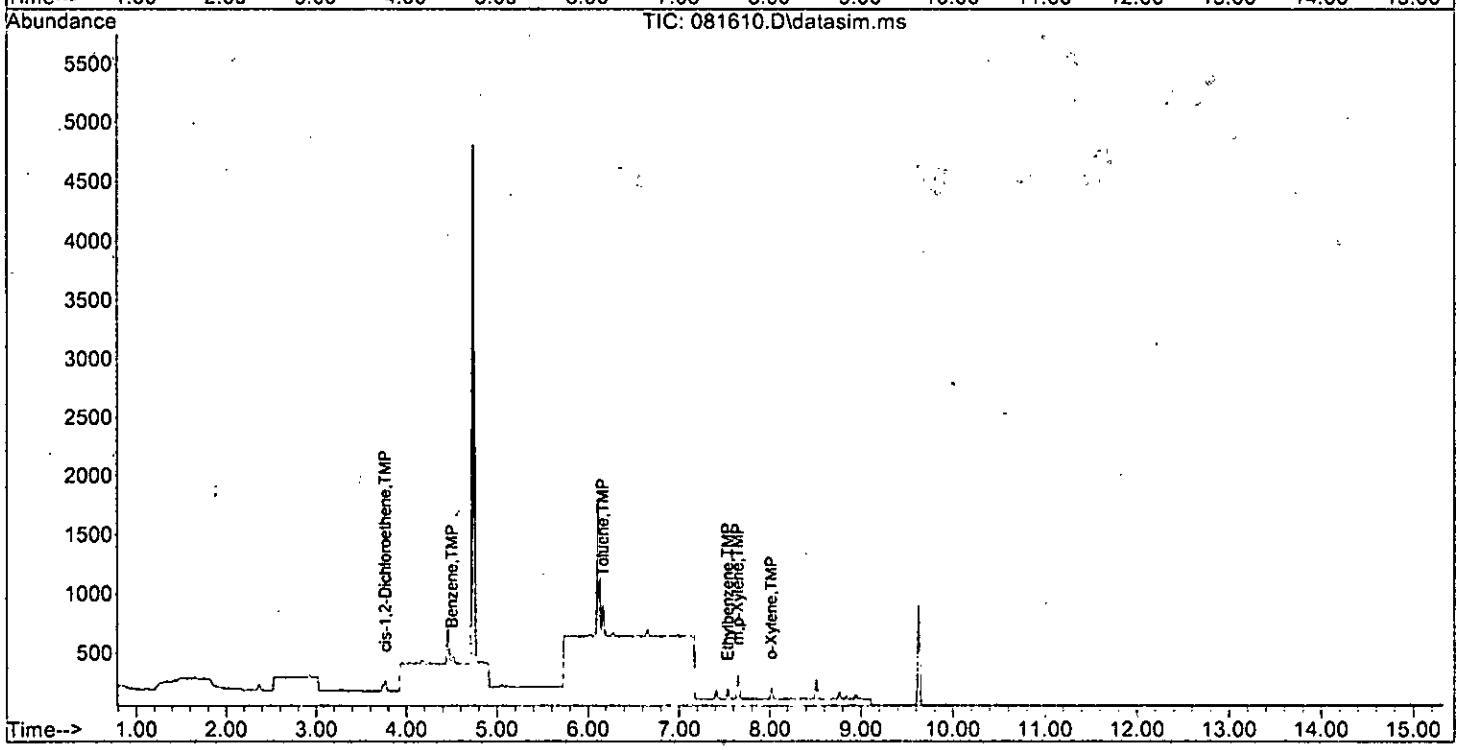
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS13\08-16-22\
Data File : 081610.D
Acq On : 16 Aug 2022 09:03 am
Operator : WE
Sample : 208204-04
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Aug 17 13:51:55 2022
Quant Method : D:\METHODS\Inst13\VB080322ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Fri Aug 05 12:58:46 2022
Response via : Initial Calibration
DataAcq Meth:VM080322.M





FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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August 26, 2022

Jacklyn Perkins, Project Manager
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Lynnwood, WA 98037

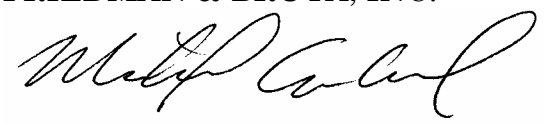
Dear Ms Perkins:

Included are the results from the testing of material submitted on August 16, 2022 from the Kelly Moore PS2120450, F&BI 208236 project. There are 26 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Christy Duitman
WEI0826R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on August 16, 2022 by Friedman & Bruya, Inc. from the Wood Environment & Infrastructure Kelly Moore PS2120450, F&BI 208236 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Wood Environment & Infrastructure
208236 -01	KMW-06-08162022
208236 -02	KMW-09-08162022
208236 -03	KMW-12-08162022
208236 -04	BFK-927-08162022

Methylene chloride was detected in the 8260D analysis of sample KMW-06-08162022. The data were flagged as due to laboratory contamination.

The 8260D laboratory control sample exceeded the acceptance criteria for 2,2-dichloropropane. The compound was not detected, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 08/26/22
Date Received: 08/16/22
Project: Kelly Moore PS2120450, F&BI 208236
Date Extracted: 08/23/22
Date Analyzed: 08/23/22 and 08/24/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 51-134)
KMW-06-08162022 208236-01	1,300	ip
KMW-09-08162022 208236-02	300	134
BFK-927-08162022 208236-04 1/80	24,000	118
Method Blank 02-1743 MB	<100	99

Date of Report: 08/26/22
Date Received: 08/16/22
Project: Kelly Moore PS2120450, F&BI 208236
Date Extracted: 08/17/22
Date Analyzed: 08/17/22

RESULTS FROM THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported as ug/L (ppb)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 41-152)
KMW-06-08162022 208236-01	9,500 x	2,100 x	112
KMW-09-08162022 208236-02	4,300 x	750 x	124
BFK-927-08162022 208236-04	1,800 x	<250	120
Method Blank 02-2002 MB	<50	<250	109

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-06-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	208236-01
Date Analyzed:	08/17/22	Data File:	208236-01.178
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	4.48
Chromium	2.66
Copper	11.9
Lead	2.22
Mercury	<1
Nickel	3.69
Zinc	16.8

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-09-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	208236-02
Date Analyzed:	08/17/22	Data File:	208236-02.179
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	1.38
Zinc	<5

Analysis For Total Metals By EPA Method 6020B

Client ID:	KMW-12-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	208236-03
Date Analyzed:	08/17/22	Data File:	208236-03.180
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	3.82
Zinc	22.2

Analysis For Total Metals By EPA Method 6020B

Client ID:	BFK-927-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	208236-04
Date Analyzed:	08/17/22	Data File:	208236-04.181
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	1.32
Lead	<1
Mercury	<1

Analysis For Total Metals By EPA Method 6020B

Client ID:	BFK-927-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	208236-04 x5
Date Analyzed:	08/19/22	Data File:	208236-04 x5.073
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Chromium	<5
Copper	<25
Nickel	<5
Zinc	<25

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	NA	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	I2-558 mb
Date Analyzed:	08/17/22	Data File:	I2-558 mb.107
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Chromium	<1
Copper	<5
Lead	<1
Mercury	<1
Nickel	<1
Zinc	<5

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-06-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208236-01
Date Analyzed:	08/24/22	Data File:	082422.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	78	126
Toluene-d8	95	84	115
4-Bromofluorobenzene	83	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	7.4 lc	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	3.2
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	3.3
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	KMW-09-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208236-02
Date Analyzed:	08/24/22	Data File:	082423.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	78	126
Toluene-d8	91	84	115
4-Bromofluorobenzene	91	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	4.3
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	4.2
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	BFK-927-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208236-04
Date Analyzed:	08/19/22	Data File:	081933.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	78	126
Toluene-d8	101	84	115
4-Bromofluorobenzene	103	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	0.13	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	1,300 ve
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	2,600 ve
Hexane	<5	o-Xylene	550 ve
Methylene chloride	<5	Styrene	17
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	91
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	51
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	31
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	82
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	2.2	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	3.5
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	BFK-927-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	208236-04 1/200
Date Analyzed:	08/22/22	Data File:	082238.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	RF

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	78	126
Toluene-d8	105	84	115
4-Bromofluorobenzene	101	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<200	1,3-Dichloropropane	<200
Chloromethane	<2,000	Tetrachloroethene	<200
Vinyl chloride	<4	Dibromochloromethane	<100
Bromomethane	<1,000	1,2-Dibromoethane (EDB)	<200
Chloroethane	<200	Chlorobenzene	<200
Trichlorofluoromethane	<200	Ethylbenzene	1,300
Acetone	<10,000	1,1,1,2-Tetrachloroethane	<200
1,1-Dichloroethene	<200	m,p-Xylene	2,900
Hexane	<1,000	o-Xylene	510
Methylene chloride	<1,000	Styrene	<200
Methyl t-butyl ether (MTBE)	<200	Isopropylbenzene	<200
trans-1,2-Dichloroethene	<200	Bromoform	<1,000
1,1-Dichloroethane	<200	n-Propylbenzene	<200
2,2-Dichloropropane	<200	Bromobenzene	<200
cis-1,2-Dichloroethene	<200	1,3,5-Trimethylbenzene	<200
Chloroform	<200	1,1,2,2-Tetrachloroethane	<40
2-Butanone (MEK)	<4,000	1,2,3-Trichloropropane	<200
1,2-Dichloroethane (EDC)	<40	2-Chlorotoluene	<200
1,1,1-Trichloroethane	<200	4-Chlorotoluene	<200
1,1-Dichloropropene	<200	tert-Butylbenzene	<200
Carbon tetrachloride	<100	1,2,4-Trimethylbenzene	<200
Benzene	<70	sec-Butylbenzene	<200
Trichloroethene	<100	p-Isopropyltoluene	<200
1,2-Dichloropropane	<200	1,3-Dichlorobenzene	<200
Bromodichloromethane	<100	1,4-Dichlorobenzene	<200
Dibromomethane	<200	1,2-Dichlorobenzene	<200
4-Methyl-2-pentanone	<2,000	1,2-Dibromo-3-chloropropane	<2,000
cis-1,3-Dichloropropene	<80	1,2,4-Trichlorobenzene	<200
Toluene	<200	Hexachlorobutadiene	<100
trans-1,3-Dichloropropene	<80	Naphthalene	<200
1,1,2-Trichloroethane	<100	1,2,3-Trichlorobenzene	<200
2-Hexanone	<2,000		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore PS2120450
Date Extracted:	08/19/22	Lab ID:	02-1936 mb
Date Analyzed:	08/19/22	Data File:	081906.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	107	84	115
4-Bromofluorobenzene	97	72	130

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.02	Dibromochloromethane	<0.5
Bromomethane	<5	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<5	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<5
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<0.2
2-Butanone (MEK)	<20	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<0.2	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<0.5	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<0.5	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<0.5	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<0.4	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.4	Naphthalene	<1
1,1,2-Trichloroethane	<0.5	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-06-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	208236-01 1/2
Date Analyzed:	08/17/22	Data File:	081716.D
Matrix:	Water	Instrument:	GCMS12
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	36	11	65
Phenol-d6	30	11	65
Nitrobenzene-d5	84	50	150
2-Fluorobiphenyl	63	44	108
2,4,6-Tribromophenol	74	10	140
Terphenyl-d14	77	50	150

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.4
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	<0.04
Acenaphthene	0.52
Fluorene	<0.04
Phenanthrene	<0.04
Anthracene	<0.04
Fluoranthene	0.073
Pyrene	0.17
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	0.081
Benzo(b)fluoranthene	0.081
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	0.069
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-09-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	208236-02 1/2
Date Analyzed:	08/17/22	Data File:	081717.D
Matrix:	Water	Instrument:	GCMS12
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	43	11	65
Phenol-d6	31	11	65
Nitrobenzene-d5	80	50	150
2-Fluorobiphenyl	66	44	108
2,4,6-Tribromophenol	89	10	140
Terphenyl-d14	83	50	150

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.4
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	<0.04
Acenaphthene	2.9
Fluorene	0.56
Phenanthrene	<0.04
Anthracene	<0.04
Fluoranthene	<0.04
Pyrene	<0.04
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	KMW-12-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	208236-03 1/2
Date Analyzed:	08/17/22	Data File:	081718.D
Matrix:	Water	Instrument:	GCMS12
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	43	11	65
Phenol-d6	31	11	65
Nitrobenzene-d5	87	50	150
2-Fluorobiphenyl	76	44	108
2,4,6-Tribromophenol	97	10	140
Terphenyl-d14	95	50	150

Compounds:	Concentration ug/L (ppb)
Naphthalene	0.76
2-Methylnaphthalene	3.2
1-Methylnaphthalene	7.8
Acenaphthylene	0.23
Acenaphthene	21
Fluorene	19
Phenanthrene	31
Anthracene	2.5
Fluoranthene	5.0
Pyrene	2.2
Benz(a)anthracene	0.13
Chrysene	0.10
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	BFK-927-08162022	Client:	Wood Environment & Infrastructure
Date Received:	08/16/22	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	208236-04 1/2
Date Analyzed:	08/22/22	Data File:	082220.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	89	15	144
2-Fluorobiphenyl	69	25	128
2,4,6-Tribromophenol	87	10	142
Terphenyl-d14	93	41	138

Compounds:	Concentration ug/L (ppb)
Naphthalene	2.5
2-Methylnaphthalene	<0.4
1-Methylnaphthalene	<0.4
Acenaphthylene	<0.04
Acenaphthene	0.22
Fluorene	0.059
Phenanthrene	<0.04
Anthracene	<0.04
Fluoranthene	<0.04
Pyrene	<0.04
Benz(a)anthracene	<0.04
Chrysene	<0.04
Benzo(a)pyrene	<0.04
Benzo(b)fluoranthene	<0.04
Benzo(k)fluoranthene	<0.04
Indeno(1,2,3-cd)pyrene	<0.04
Dibenz(a,h)anthracene	<0.04
Benzo(g,h,i)perylene	<0.08

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Wood Environment & Infrastructure
Date Received:	Not Applicable	Project:	Kelly Moore PS2120450
Date Extracted:	08/17/22	Lab ID:	02-1991 mb2
Date Analyzed:	08/17/22	Data File:	081715.D
Matrix:	Water	Instrument:	GCMS12
Units:	ug/L (ppb)	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
2-Fluorophenol	28	11	65
Phenol-d6	16	11	65
Nitrobenzene-d5	89	50	150
2-Fluorobiphenyl	78	44	108
2,4,6-Tribromophenol	97	10	140
Terphenyl-d14	98	50	150

Compounds:	Concentration ug/L (ppb)
Naphthalene	<0.2
2-Methylnaphthalene	<0.2
1-Methylnaphthalene	<0.2
Acenaphthylene	<0.02
Acenaphthene	<0.02
Fluorene	<0.02
Phenanthrene	<0.02
Anthracene	<0.02
Fluoranthene	<0.02
Pyrene	<0.02
Benz(a)anthracene	<0.02
Chrysene	<0.02
Benzo(a)pyrene	<0.02
Benzo(b)fluoranthene	<0.02
Benzo(k)fluoranthene	<0.02
Indeno(1,2,3-cd)pyrene	<0.02
Dibenz(a,h)anthracene	<0.02
Benzo(g,h,i)perylene	<0.04

Date of Report: 08/26/22
Date Received: 08/16/22
Project: Kelly Moore PS2120450, F&BI 208236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 208261-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	<100	110	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	104	69-134

Date of Report: 08/26/22
Date Received: 08/16/22
Project: Kelly Moore PS2120450, F&BI 208236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	104	112	63-142	7

Date of Report: 08/26/22
Date Received: 08/16/22
Project: Kelly Moore PS2120450, F&BI 208236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS USING EPA METHOD 6020B

Laboratory Code: 208185-07 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	<1	95	99	75-125	4
Chromium	ug/L (ppb)	20	<1	89	92	75-125	3
Copper	ug/L (ppb)	20	<5	85	86	75-125	1
Lead	ug/L (ppb)	10	<1	92	94	75-125	2
Mercury	ug/L (ppb)	5	<1	93	96	75-125	3
Nickel	ug/L (ppb)	20	1.66	87	89	75-125	2
Zinc	ug/L (ppb)	50	<5	85	85	75-125	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	91	80-120
Chromium	ug/L (ppb)	20	94	80-120
Copper	ug/L (ppb)	20	97	80-120
Lead	ug/L (ppb)	10	97	80-120
Mercury	ug/L (ppb)	5	98	80-120
Nickel	ug/L (ppb)	20	97	80-120
Zinc	ug/L (ppb)	50	95	80-120

Date of Report: 08/26/22
Date Received: 08/16/22
Project: Kelly Moore PS2120450, F&BI 208236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 208252-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	10	<1	91	50-150
Chloromethane	ug/L (ppb)	10	<10	101	50-150
Vinyl chloride	ug/L (ppb)	10	<0.02	107	50-150
Bromomethane	ug/L (ppb)	10	<5	103	50-150
Chloroethane	ug/L (ppb)	10	<1	110	50-150
Trichlorofluoromethane	ug/L (ppb)	10	<1	110	50-150
Acetone	ug/L (ppb)	50	<50	87	50-150
1,1-Dichloroethene	ug/L (ppb)	10	<1	108	50-150
Hexane	ug/L (ppb)	10	<5	110	50-150
Methylene chloride	ug/L (ppb)	10	<5	102	50-150
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	<1	107	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<1	112	50-150
1,1-Dichloroethane	ug/L (ppb)	10	<1	108	50-150
2,2-Dichloropropane	ug/L (ppb)	10	<1	126	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<1	108	50-150
Chloroform	ug/L (ppb)	10	<1	107	50-150
2-Butanone (MEK)	ug/L (ppb)	50	<20	103	50-150
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	<0.2	107	50-150
1,1,1-Trichloroethane	ug/L (ppb)	10	<1	113	50-150
1,1-Dichloropropene	ug/L (ppb)	10	<1	108	50-150
Carbon tetrachloride	ug/L (ppb)	10	<0.5	114	50-150
Benzene	ug/L (ppb)	10	<0.35	106	50-150
Trichloroethene	ug/L (ppb)	10	<0.5	104	50-150
1,2-Dichloropropane	ug/L (ppb)	10	<1	103	50-150
Bromodichloromethane	ug/L (ppb)	10	<0.5	103	50-150
Dibromomethane	ug/L (ppb)	10	<1	104	50-150
4-Methyl-2-pentanone	ug/L (ppb)	50	<10	105	50-150
cis-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	106	50-150
Toluene	ug/L (ppb)	10	<1	105	50-150
trans-1,3-Dichloropropene	ug/L (ppb)	10	<0.4	101	50-150
1,1,2-Trichloroethane	ug/L (ppb)	10	<0.5	103	50-150
2-Hexanone	ug/L (ppb)	50	<10	100	50-150
1,3-Dichloropropane	ug/L (ppb)	10	<1	106	50-150
Tetrachloroethene	ug/L (ppb)	10	<1	109	50-150
Dibromochloromethane	ug/L (ppb)	10	<0.5	106	50-150
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	<1	104	50-150
Chlorobenzene	ug/L (ppb)	10	<1	104	50-150
Ethylbenzene	ug/L (ppb)	10	<1	108	50-150
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	<1	103	50-150
m,p-Xylene	ug/L (ppb)	20	<2	109	50-150
o-Xylene	ug/L (ppb)	10	<1	109	50-150
Styrene	ug/L (ppb)	10	<1	110	50-150
Isopropylbenzene	ug/L (ppb)	10	<1	104	50-150
Bromoform	ug/L (ppb)	10	<5	97	50-150
n-Propylbenzene	ug/L (ppb)	10	<1	106	50-150
Bromobenzene	ug/L (ppb)	10	<1	107	50-150
1,3,5-Trimethylbenzene	ug/L (ppb)	10	<1	103	50-150
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	<0.2	107	50-150
1,2,3-Trichloropropane	ug/L (ppb)	10	<1	110	50-150
2-Chlorotoluene	ug/L (ppb)	10	<1	106	50-150
4-Chlorotoluene	ug/L (ppb)	10	<1	107	50-150
tert-Butylbenzene	ug/L (ppb)	10	<1	103	50-150
1,2,4-Trimethylbenzene	ug/L (ppb)	10	<1	107	50-150
sec-Butylbenzene	ug/L (ppb)	10	<1	106	50-150
p-Isopropyltoluene	ug/L (ppb)	10	<1	109	50-150
1,3-Dichlorobenzene	ug/L (ppb)	10	<1	108	50-150
1,4-Dichlorobenzene	ug/L (ppb)	10	<1	110	50-150
1,2-Dichlorobenzene	ug/L (ppb)	10	<1	105	50-150
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	<10	101	50-150
1,2,4-Trichlorobenzene	ug/L (ppb)	10	<1	107	50-150
Hexachlorobutadiene	ug/L (ppb)	10	<0.5	108	50-150
Naphthalene	ug/L (ppb)	10	<1	104	50-150
1,2,3-Trichlorobenzene	ug/L (ppb)	10	<1	103	50-150

Date of Report: 08/26/22
Date Received: 08/16/22
Project: Kelly Moore PS2120450, F&BI 208236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	10	95	100	46-206	5
Chloromethane	ug/L (ppb)	10	105	107	70-142	2
Vinyl chloride	ug/L (ppb)	10	113	115	70-130	2
Bromomethane	ug/L (ppb)	10	112	114	56-197	2
Chloroethane	ug/L (ppb)	10	116	117	70-130	1
Trichlorofluoromethane	ug/L (ppb)	10	112	116	70-130	4
Acetone	ug/L (ppb)	50	109	101	10-140	8
1,1-Dichloroethene	ug/L (ppb)	10	110	113	70-130	3
Hexane	ug/L (ppb)	10	108	109	54-136	1
Methylene chloride	ug/L (ppb)	10	116	107	43-134	8
Methyl t-butyl ether (MTBE)	ug/L (ppb)	10	110	112	70-130	2
trans-1,2-Dichloroethene	ug/L (ppb)	10	115	117	70-130	2
1,1-Dichloroethane	ug/L (ppb)	10	115	113	70-130	2
2,2-Dichloropropane	ug/L (ppb)	10	133 vo	130	70-130	2
cis-1,2-Dichloroethene	ug/L (ppb)	10	111	120	70-130	8
Chloroform	ug/L (ppb)	10	112	111	70-130	1
2-Butanone (MEK)	ug/L (ppb)	50	102	114	17-154	11
1,2-Dichloroethane (EDC)	ug/L (ppb)	10	109	112	70-130	3
1,1,1-Trichloroethane	ug/L (ppb)	10	116	118	70-130	2
1,1-Dichloropropene	ug/L (ppb)	10	107	109	70-130	2
Carbon tetrachloride	ug/L (ppb)	10	114	116	70-130	2
Benzene	ug/L (ppb)	10	108	109	70-130	1
Trichloroethene	ug/L (ppb)	10	107	107	70-130	0
1,2-Dichloropropane	ug/L (ppb)	10	100	98	70-130	2
Bromodichloromethane	ug/L (ppb)	10	102	105	70-130	3
Dibromomethane	ug/L (ppb)	10	105	109	70-130	4
4-Methyl-2-pentanone	ug/L (ppb)	50	109	117	68-130	7
cis-1,3-Dichloropropene	ug/L (ppb)	10	105	107	69-131	2
Toluene	ug/L (ppb)	10	102	100	70-130	2
trans-1,3-Dichloropropene	ug/L (ppb)	10	97	95	70-130	2
1,1,2-Trichloroethane	ug/L (ppb)	10	101	101	70-130	0
2-Hexanone	ug/L (ppb)	50	104	102	45-138	2
1,3-Dichloropropane	ug/L (ppb)	10	104	105	70-130	1
Tetrachloroethene	ug/L (ppb)	10	106	105	70-130	1
Dibromochloromethane	ug/L (ppb)	10	103	104	60-148	1
1,2-Dibromoethane (EDB)	ug/L (ppb)	10	105	104	70-130	1
Chlorobenzene	ug/L (ppb)	10	105	104	70-130	1
Ethylbenzene	ug/L (ppb)	10	109	107	70-130	2
1,1,1,2-Tetrachloroethane	ug/L (ppb)	10	104	102	70-130	2
m,p-Xylene	ug/L (ppb)	20	109	107	70-130	2
o-Xylene	ug/L (ppb)	10	109	108	70-130	1
Styrene	ug/L (ppb)	10	109	108	70-130	1
Isopropylbenzene	ug/L (ppb)	10	104	104	70-130	0
Bromoform	ug/L (ppb)	10	105	100	69-138	5
n-Propylbenzene	ug/L (ppb)	10	111	102	70-130	8
Bromobenzene	ug/L (ppb)	10	113	102	70-130	10
1,3,5-Trimethylbenzene	ug/L (ppb)	10	109	100	70-130	9
1,1,2,2-Tetrachloroethane	ug/L (ppb)	10	109	102	70-130	7
1,2,3-Trichloropropane	ug/L (ppb)	10	116	106	70-130	9
2-Chlorotoluene	ug/L (ppb)	10	111	102	70-130	8
4-Chlorotoluene	ug/L (ppb)	10	111	102	70-130	8
tert-Butylbenzene	ug/L (ppb)	10	105	98	70-130	7
1,2,4-Trimethylbenzene	ug/L (ppb)	10	108	100	70-130	8
sec-Butylbenzene	ug/L (ppb)	10	109	100	70-130	9
p-Isopropyltoluene	ug/L (ppb)	10	110	103	70-130	7
1,3-Dichlorobenzene	ug/L (ppb)	10	110	100	70-130	10
1,4-Dichlorobenzene	ug/L (ppb)	10	114	106	70-130	7
1,2-Dichlorobenzene	ug/L (ppb)	10	108	100	70-130	8
1,2-Dibromo-3-chloropropane	ug/L (ppb)	10	114	99	70-130	14
1,2,4-Trichlorobenzene	ug/L (ppb)	10	109	101	70-130	8
Hexachlorobutadiene	ug/L (ppb)	10	114	105	70-130	8
Naphthalene	ug/L (ppb)	10	108	101	70-130	7
1,2,3-Trichlorobenzene	ug/L (ppb)	10	106	101	70-130	5

Date of Report: 08/26/22
Date Received: 08/16/22
Project: Kelly Moore PS2120450, F&BI 208236

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 208185-07 1/0.5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	ug/L (ppb)	2.5	<0.1	69	68	50-150	1
2-Methylnaphthalene	ug/L (ppb)	2.5	<0.1	75	73	50-150	3
1-Methylnaphthalene	ug/L (ppb)	2.5	<0.1	74	72	50-150	3
Acenaphthylene	ug/L (ppb)	2.5	<0.01	79	76	50-150	4
Acenaphthene	ug/L (ppb)	2.5	<0.01	84	73	50-150	14
Fluorene	ug/L (ppb)	2.5	<0.01	84	80	50-150	5
Phenanthrene	ug/L (ppb)	2.5	0.019	86	84	50-150	2
Anthracene	ug/L (ppb)	2.5	<0.01	88	84	50-150	5
Fluoranthene	ug/L (ppb)	2.5	<0.01	88	84	50-150	5
Pyrene	ug/L (ppb)	2.5	<0.01	88	83	50-150	6
Benz(a)anthracene	ug/L (ppb)	2.5	<0.01	92	88	50-150	4
Chrysene	ug/L (ppb)	2.5	<0.01	90	87	50-150	3
Benzo(a)pyrene	ug/L (ppb)	2.5	<0.01	98	93	50-150	5
Benzo(b)fluoranthene	ug/L (ppb)	2.5	<0.01	101	97	50-150	4
Benzo(k)fluoranthene	ug/L (ppb)	2.5	<0.01	101	91	50-150	10
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	2.5	<0.01	73	73	50-150	0
Dibenz(a,h)anthracene	ug/L (ppb)	2.5	<0.01	72	71	50-150	1
Benzo(g,h,i)perylene	ug/L (ppb)	2.5	<0.02	64	62	50-150	3

Laboratory Code: Laboratory Control Sample 1/0.5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	ug/L (ppb)	2.5	71	62-90
2-Methylnaphthalene	ug/L (ppb)	2.5	77	64-93
1-Methylnaphthalene	ug/L (ppb)	2.5	75	64-93
Acenaphthylene	ug/L (ppb)	2.5	84	70-130
Acenaphthene	ug/L (ppb)	2.5	82	70-130
Fluorene	ug/L (ppb)	2.5	88	70-130
Phenanthrene	ug/L (ppb)	2.5	90	70-130
Anthracene	ug/L (ppb)	2.5	87	70-130
Fluoranthene	ug/L (ppb)	2.5	93	70-130
Pyrene	ug/L (ppb)	2.5	101	70-130
Benz(a)anthracene	ug/L (ppb)	2.5	94	70-130
Chrysene	ug/L (ppb)	2.5	93	70-130
Benzo(a)pyrene	ug/L (ppb)	2.5	96	70-130
Benzo(b)fluoranthene	ug/L (ppb)	2.5	94	70-130
Benzo(k)fluoranthene	ug/L (ppb)	2.5	94	70-130
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	2.5	106	70-130
Dibenz(a,h)anthracene	ug/L (ppb)	2.5	107	70-130
Benzo(g,h,i)perylene	ug/L (ppb)	2.5	105	70-130

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY 08-16-22

208236 EQ3/A12/VW3

Page # 1 of 1

Report To Jacklyn Perkins, Christy Dritman

Company Wood E+IS

Address 3500 188th St SW, Suite 601

City, State, ZIP Lynnwood WA 98037

Phone 425-608-5107 Email jacklyn.perkins@woodplc.com christy.dritman@woodplc.com

SAMPLERS (signature)

PROJECT NAME: Kelly Moore

PO # PS2120450

REMARKS: Tier IV data package

Project specific RLs? - Yes / No

INVOICE TO: WOOD

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	Total Metals (As, Cr, Cu, Pb, Hg, Ni, Zn)			Notes
KMW-06-08162022	01 A-J	8/16/22	0845	GW	10	X	X			X	X		X			Chromatograms
KMW-09-08162022	02	8/16/22	1015	GW	10	X	X			X	X		X			
KMW-12-08162022	03 A-B	8/16/22	1115	GW	2						X		X			
BFK-927-08162022	04 A-J	8/16/22	1300	GW	10	X	X			X	X		X			

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Jacklyn Perkins	Wood	8/16/22	16:30
Received by:	JOE MOHAMMED	FSI	8/16/22	16:30
Relinquished by:				
Received by:				

Samples received at 3 °C

Friedman & Bruya, Inc.
Ph. (206) 285-8282

ORGANIC DATA ASSESSMENT SUMMARY

Project Information			
Project Name:	Kelly-Moore Paint	Lab Name:	Friedman & Bruya, Inc.
Project Number:	0146970060.0001	Lab Report Number:	203400
Reviewer's Name:	Samantha Hass	Number of Samples:	10
Review Date:	04/01/2022	Matrix:	Water

Field Sample Identification	Collection Date	Laboratory Sample Identification	Notes
KMW-02R	03/21/2022	203400 -01	Matrix spike/matrix spike duplicate
KMW-03R	03/21/2022	203400 -02	
KMW-04	03/22/2022	203400 -03	
KMW-06	03/22/2022	203400 -04	
KMW-07	03/21/2022	203400 -05	
KMW-08	03/21/2022	203400 -06	
KMW-Dup	03/22/2022	203400 -07	Field duplicate of KMW-10
KMW-09	03/22/2022	203400 -08	
KMW-10	03/22/2022	203400 -09	
Trip Blanks		203400 -10	

Field Duplicate Assessment					
Analyte	**Average Reporting Limit**	**Primary Result**	**Duplicate Result**	**RPD**	**Notes**
Samples KMW-10 and KMW-DUP					
DRO	50 µg/L	6,900	5,500	23%	
MRO	250 µg/L	290	290	0.0%	
GRO	100 µg/L	6,200	5,700	8.4%	
Arsenic	1 µg/L	9.02	8.58	5.0%	
Chromium	1 µg/L	2.37	2.33	1.7%	
Lead	1 µg/L	1.61	1.68	4.3%	
Nickel	1 µg/L	12.4	6.11	68%	J-FD
Zinc	5 µg/L	5.58	<5	NC	± RL
Vinyl chloride	0.22 µg/L	<0.2	0.12	NC	± RL
Toluene	10 µg/L	290	290	0.0%	
Ethylbenzene	10 µg/L	480	500	4.1%	
m,p-Xylene	20 µg/L	1,400	1,400	0.0%	
o-Xylene	10 µg/L	680	710	4.3%	
Isopropylbenzene	11 µg/L	13	15	14%	
n-Propylbenzene	11 µg/L	12	13	8.0%	
1,3,5-Trimethylbenzene	11 µg/L	18	19	5.4%	
1,2,4-Trimethylbenzene	31 µg/L	37	39	5.3%	
Naphthalene	0.20 µg/L	0.38	0.45	17%	
Acenaphthylene	0.02 µg/L	1.4	1.5	6.9%	
Acenaphthene	0.02 µg/L	0.12	0.11	8.7%	
Phenanthrene	0.02 µg/L	0.082	0.076	7.6%	
Fluoranthene	0.02 µg/L	0.11	0.12	8.7%	
Pyrene	0.02 µg/L	0.14	0.14	0.0%	
Benz(a)anthracene	0.02 µg/L	0.060	0.062	3.3%	
Chrysene	0.02 µg/L	0.051	0.056	9.4%	
Benzo(a)pyrene	0.02 µg/L	0.078	0.080	2.5%	
Benzo(b)fluoranthene	0.02 µg/L	0.076	0.078	2.6%	
Benzo(k)fluoranthene	0.02 µg/L	0.027	0.026	3.8%	
Indeno(1,2,3-cd)pyrene	0.02 µg/L	0.042	0.042	0.0%	
Benzo(g,h,i)perylene	0.04 µg/L	<0.04	0.042	NC	± RL

Notes:

µg/L = micrograms per liter

± RL = The difference between analyte concentrations is less than the average reporting limit, demonstrating acceptable sampling and analytical precision.

Assessment Summary					
Parameter:	**Gasoline-Range Organics (GRO) by NWTPH-Gx**	**Diesel Range Organics (DRO) and Oil Range Organics (ORO) by NWTPH-Dx**	**Polycyclic Aromatic Hydrocarbons (PAHs) by 8270D SIM**	**Metals by EPA Method 6020B**	**Volatile Organic Compounds (VOCs) by EPA Method 8260C**
1. Chain of Custody	Chain of custody is complete, except there is no sample date or time for the trip blank. The trip blank was provided by the laboratory and the lack of a sample date and time is not interpreted to adversely affect data usability.				
2. Receipt Temperature	The recorded receipt temperature is acceptable at 2 degrees Celsius.				
3. Hold Time	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable
4. Blank Detections	None	None	None	None	Acceptable
5. Surrogate Recoveries	Informational [a]	Acceptable	Informational [c]	Not Applicable	Acceptable
6. Laboratory Control Sample (LCS) Recoveries	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable
7. LCS/LCS Duplicate (LCSD) Precision	Not Applicable	Not Applicable	Acceptable	Not Applicable	Acceptable
8. Matrix Spike (MS) Recoveries	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable
9. MS,MS Duplicate (MSD) Precision	Acceptable	Acceptable	Informational [d]	Acceptable	Acceptable
10. Other Quality Control Issues	None	Informational [b]	None	Qualified [e]	None

Qualifier definitions	
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Reason code definitions	
FD	Imprecision between primary and field duplicate result.

Notes	Description	Action Required
a	According to the laboratory's notes, the surrogate recoveries for samples KMW-04 and KMW-DUP were outside of limits due to matrix effects in the GRO analysis.	Wood agrees that high target analyte concentrations in the affected samples would impact surrogate recoveries and it is not possible to assess data usability for these samples based on surrogate recoveries.
b	According to the laboratory's notes, DRO results from samples KMR-03R, KMW-04, KMW-06, KMW-07, KMW-08, KMW-DUP, KMW-09, and KMW-10 do not match the hydrocarbon patterns from the standards used for quantitation.	None
c	Recoveries of the surrogate compounds 2-fluorophenol and/or phenol-d6 were low in samples KMW-04, KMW-06, KMW-07, KMW-DUP and KMW-10. These surrogates are not associated with target analytes and data usability is not adversely affected.	None
d	RPDs between naphthalene (36%), 2-methylnaphthalene (21%), 1-methylnaphthalene (22%), acenaphthylene (21%), and fluorene (21%) results were high in the MS and MSD performed on sample KMW-02R.	These analytes were not detected in the unspiked native sample and data usability is not adversely affected by the potential analytical imprecision.
e	The RPD between nickel results in sample KMW-10 and its field duplicate KMW-DUP was high at 68%.	Wood J qualified the detected nickel results from samples KMW-10 and KMW-DUP due to potential sampling and/or analytical imprecision. (Qualifier and reason code: J-FD

Data Qualified During Validation				
Sample Identification	**Method**	**Parameter**	**Concentration**	**Qualifier and Reason Code**
KMW-10	EPA 6020B	Nickel	6.11 µg/L	J-FD
KMW-DUP	EPA 6020B	Nickel	12.4 µg/L	J-FD

ORGANIC DATA ASSESSMENT SUMMARY

Project Information			
Project Name:	Kelly-Moore Paint	Lab Name:	Friedman & Bruya, Inc.
Project Number:	PS21204540.04	Lab Report Number:	208203, 208236, 208257, 208312
Reviewer's Name:	Caitlin Riechmann	Number of Samples:	18
Review Date:	09/27/2022	Matrix:	Water, Soil

Field Sample Identification	Matrix	Collection Date	Laboratory Sample Identification	Notes
KM-DP-01-15'-20'	water	08/11/2022	208203 -01	
KMW-11-7'-8'	soil	08/11/2022	208203 -02	
KM-DP-02-1'-2'	soil	08/11/2022	208203 -03	
KM-DP-02-4'-5'	soil	08/11/2022	208203 -04	
KM-IDW-08-11-22	soil	08/11/2022	208203 -05	
KMW-06-08162022	water	08/16/2022	208236-01	
KMW-09-08162022	water	08/16/2022	208236-02	
KMW-12-08162022	water	08/16/2022	208236-03	
BFK-927-08162022	water	08/16/2022	208236-04	
BFK-926-08172022	water	08/17/2022	208257-01	
KMW-11-08172022	water	08/17/2022	208257-02	
KMW-10-08172022	water	08/17/2022	208257-03	
KMW-DUP-08172022	water	08/17/2022	208257-04	Field duplicate of KMW-10-08172022
KMW-04-08172022	water	08/17/2022	208257-05	
KMW-02R-08192022	water	08/19/2022	208312-01	MS/MSD
KMW-07-08192022	water	08/19/2022	208312-02	
KMW-08-08192022	water	08/19/2022	208312-03	
KMW-03R-08192022	water	08/19/2022	208312-04	

Notes:
MS = Matrix spike
MSD = MS duplicate

Field Duplicate Assessment

Analyte	Average Reporting Limit	Primary Result	Duplicate Result	RPD	Notes
Samples KMW-10 and KMW-DUP					
GRO	100 µg/L	60,000	47,000	24%	
DRO	50 µg/L	5,000	4,800	4.1%	
Arsenic	1.0 µg/L	5.4	5.8	6.6%	
Chromium	1.0 µg/L	1.4	1.3	5.1%	
Vinyl chloride	0.020 µg/L	0.024	0.027	12%	
Benzene	0.35 µg/L	0.69	0.67	2.9%	
Toluene	200 µg/L	4,500	3,700	20%	
Ethylbenzene	200 µg/L	2,400	2,100	13%	
m,p-Xylene	400 µg/L	9,300	8,100	14%	
o-Xylene	200 µg/L	4,300	3,600	18%	
Isopropylbenzene	1.0 µg/L	33	30	10%	
n-Propylbenzene	1.0 µg/L	34	32	6.1%	
1,3,5-Trimethylbenzene	1.0 µg/L	75	70	6.9%	
1,2,4-Trimethylbenzene	1.0 µg/L	160	150	6.5%	
Naphthalene 8260D	1.0 µg/L	3.8	3.5	8.2%	
Naphthalene 8270E	0.40 µg/L	2.3	1.8	24%	
Acenaphthylene	0.040 µg/L	0.65	0.70	7.4%	
Phenanthrene	0.040 µg/L	0.071	0.076	6.8%	
Anthracene	0.040 µg/L	0.056	0.057	1.8%	

Notes:
µg/L = micrograms per liter
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
RPD = Relative Percent Difference

Assessment Summary					
Parameter:	**GRO by NWTPH-Gx**	**DRO and ORO by NWTPH-Dx**	**Polycyclic Aromatic Hydrocarbons by 8270E**	**Metals by EPA Method 6020B**	**Volatile Organic Compounds by EPA Method 8260D**
1. Chain of Custody	Chain of custody is complete.				
2. Receipt Temperature	The recorded receipt temperatures are acceptable at temperatures ≤ 6 degrees Celsius.				
3. Hold Time	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable
4. Blank Detections	None	None	None	None	Informational [c]
5. Surrogate Recoveries	Informational [a]	Acceptable	Acceptable	Not Applicable	Acceptable
6. Laboratory Control Sample (LCS) Recoveries	Acceptable	Acceptable	Acceptable	Acceptable	Informational [d, e]
7. LCS/LCS Duplicate (LCSD) Precision	Not Applicable	Not Applicable	Acceptable	Not Applicable	Qualified [f]
8. MS Recoveries	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable
9. MS, MSD Precision	Acceptable	Acceptable	Acceptable	Acceptable	Acceptable
10. Other Quality Control Issues	None	Informational [b]	None	Acceptable	Qualified [g,h] Informational [i]

Notes:
Dx = Diesel Range
EPA = United States Environmental Protection Agency
Gx = Gasoline Range
NWTPH = Northwest Total Petroleum Hydrocarbons
ORO = Oil Range Organics

Qualifier definitions	
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Reason code definitions	
BC	The calibration standard did not meet method-specified criteria.
HD	Imprecision between LCS and LCSD results.
PC	Potential laboratory contamination.

Notes	Description	Action Required/Assessment
a	According to the laboratory's notes, the surrogate recoveries for samples KMW-04-08172022 and KMW-06-08162022 were outside of limits due to matrix effects in the GRO analysis.	Wood agrees that high target analyte concentrations in the affected samples would impact surrogate recoveries and it is not possible to assess data usability for these samples based on surrogate recoveries.
b	According to the laboratory's notes, DRO results from samples BFK-926-08172022, BFK-927-08162022, KMW-DUP-08172022, KMW-03R-08192022, KMW-04-08172022, KMW-06-08162022, KMW-07-08192022, KMW-08-08192022, KMW-09-08162022, KMW-10-08172022, and KMW-11-08172022; and ORO results from samples KMW-06-08162022 and KMW-09-08162022 do not match the hydrocarbon patterns from the fuel standards used for quantitation.	WSP reviewed the chromatograms from the associated analyses and reached the following conclusions: • The DRO detection in sample KMW-11-08172022 seems to be due to individual analyte peaks and is not representative of a hydrocarbon signature. • DRO detections in samples KMW-03R-08192022, KMW-04-08172022, and KMW-07-08192022 appear to be representative of a light distillate, such as Stoddard solvent. It is possible that the same signature is present in sample KMW-09-08162022 too, but there is chromatographic interference in that sample from a second hydrocarbon heavier than diesel and lighter than motor oil, such as hydraulic or transmission fluid, which is being reported as ORO. • DRO detections in sample BFK926-08172022, KMW-08-08192022, and KMW-10-0817202 appear to be diesel, with the detection in sample KMW-08-08192022 being highly degraded or weathered. • The laboratory did not provide enough of the chromatogram to assess hydrocarbon identification in sample KMW-06-08162022.
c	Methylene chloride was detected at a concentration of 1.2 milligrams per kilogram (mg/kg) in the laboratory blank associated with soil sample KM-IDW-08-11-22.	Methylene chloride was not detected in this sample and data usability is not adversely affected by the blank detection.
d	Chloroethane recoveries were high at 162% and 153%, respectively, in the LCS and LCSD associated with the preparation of samples KM-DP-01-15'-20' and KM-IDW-08-11-22.	Chloroethane was not detected in these samples and data usability is not adversely affected by the potential high analytical bias.
e	2,2-Dichloropropane recovery was high at 133% in the LCS associated with the preparation of samples BFK-926-08172022, BFK-927-08162022, KMW-DUP-08172022, KMW-04-08172022, KMW-06-08162022, KMW-09-08162022, KMW-10-08172022, KMW-11-08172022, and KMW-12-08162022.	2,2-Dichloropropane was not detected in the associated samples and data usability is not adversely affected by the potential high analytical bias.
f	The RPD between methylene chloride results was high at 27% in the LCS and LCSD associated with the analysis of samples KMW-02R-08192022, KMW-03R-08192022, KMW-07-08192022, and KMW-08-08192022.	Wood J qualified the detected methylene chloride result from sample KMW-03R-08192022 due to potential analytical imprecision. (J, HD) Methylene chloride was not detected in the remaining associated samples and data usability is not adversely affected by the potential analytical imprecision.
g	According to the laboratory's notes, methylene chloride recovery was high in the calibration standard associated with the analysis of sample KM-DP-01-15'-20'.	Wood J qualified the detected methylene chloride result from sample KM-DP-01-15'-20' because the calibration standard did not meet criteria. (J, BC)

Notes	Description	Action Required/Assessment
h	According to the laboratory's notes, the methylene chloride detections in samples KM-DP-01-15'-20', KMW-03R-08192022, and KMW-06-08162022 may be due to laboratory contamination.	Wood J qualified the detected methylene chloride results from samples KM-DP-01-15'-20', KMW-03R-08192022, and KMW-06-08162022 due to laboratory contamination. (J, PC)
i	Ethylbenzene, m,p-xylene, and o-xylene results from samples BFK-927-08162022, KMW-04-08172022, KMW-10-08172022, and KMWDUP-08172022 should be reported from the 1:200 dilution analyses. All other results should be reported from the undiluted analyses.	None

Data Qualified During Validation				
Sample Identification	**Method**	**Parameter**	**Concentration**	**Qualifier and Reason Code**
KM-DP-01-15'-20'	EPA 8260D	Methylene chloride	6.3 µg/L	J-BC, PC
KMW-03R-08192022	EPA 8260D	Methylene chloride	6.4 µg/L	J-HD, PC
KMW-06-08162022	EPA 8260D	Methylene chloride	7.4 µg/L	J-PC