Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100523\
Data File : VV032246.D
Acq On : 05 Oct 2023 11:19
Operator : SY/MD
Sample : O4696-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 06 01:22:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR092923WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Oct 06 01:20:04 2023
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2023-08

Manual Integrations
APPROVED
Reviewed By :John Carlone 10/06/2023
Supervised By :Mahesh Dadoda 10/06/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	95955	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	93591	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	44163	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	34688	4.445	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 88.800%			
7) Chloroethane-d5	1.532	69	31745	5.011	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 100.200%			
11) 1,1-Dichloroethene-d2	2.060	65	14935	4.538	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 90.800%			
20) 2-Butanone-d5	3.812	46	71208	36.071	ug/L	-0.01
Spiked Amount 50.000	Range 40 - 130		Recovery = 72.140%			
24) Chloroform-d	4.252	84	64503	4.685	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 93.800%			
26) 1,2-Dichloroethane-d4	4.947	65	33292	5.105	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 102.200%			
32) Benzene-d6	4.963	84	134452	4.882	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 97.600%			
36) 1,2-Dichloropropane-d6	5.992	67	44164	4.840	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 96.800%			
41) Toluene-d8	7.246	98	112458	4.466	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 89.400%			
43) trans-1,3-Dichloroprop...	7.561	79	14848	4.592	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 91.800%			
46) 2-Hexanone-d5	8.030	63	60390	39.697	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 79.400%			
56) 1,1,2,2-Tetrachloroeth...	10.156	84	30600	4.795	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 95.800%			
66) 1,2-Dichlorobenzene-d4	11.564	152	41790	5.099	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 102.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	2105	0.197	ug/L	98
3) Chloromethane	1.217	50	2374	0.220	ug/L	91
5) Vinyl chloride	1.281	62	2124	0.207	ug/L #	73
6) Bromomethane	1.487	94	1362	0.219	ug/L	99
8) Chloroethane	1.548	64	1249	0.202	ug/L	84
9) Trichlorofluoromethane	1.715	101	2527	0.205	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	1906	0.255	ug/L	85
12) 1,1-Dichloroethene	2.069	96	1755	0.249	ug/L #	1
13) Acetone	2.140	43	2938m	1.931	ug/L	
14) Carbon disulfide	2.243	76	4462	0.181	ug/L #	90
15) Methyl Acetate	2.394	43	1036	0.302	ug/L #	57
16) Methylene chloride	2.449	84	3968	0.432	ug/L	93
17) Methyl tert-butyl Ether	2.712	73	3513	0.183	ug/L	97
18) trans-1,2-Dichloroethene	2.699	96	1506	0.187	ug/L	76
19) 1,1-Dichloroethane	3.124	63	2909	0.192	ug/L	94
22) cis-1,2-Dichloroethene	3.825	96	1505	0.173	ug/L	87
23) Bromochloromethane	4.169	128	632	0.173	ug/L #	73
27) 1,2-Dichloroethane	5.063	62	1926	0.219	ug/L #	73
29) 1,1,1-Trichloroethane	4.519	97	2284	0.179	ug/L	99

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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
30) Cyclohexane	4.593	56	2254m	0.161 ug/L	
31) Carbon tetrachloride	4.744	117	1788m	0.166 ug/L	
33) Benzene	5.014	78	6707m	0.204 ug/L	
34) Trichloroethene	5.844	95	1793	0.199 ug/L	90
35) Methylcyclohexane	6.050	83	2892	0.208 ug/L #	82
37) 1,2-Dichloropropane	6.101	63	1862	0.211 ug/L #	87
38) Bromodichloromethane	6.445	83	1727	0.165 ug/L #	93
39) cis-1,3-Dichloropropene	6.969	75	2140	0.171 ug/L	86
40) 4-Methyl-2-pentanone	7.175	43	7893	1.415 ug/L #	87
42) Toluene	7.326	91	6076	0.173 ug/L	88
44) trans-1,3-Dichloropropene	7.599	75	1778	0.173 ug/L	87
45) 1,1,2-Trichloroethane	7.786	97	992	0.160 ug/L	97
47) Tetrachloroethene	7.915	164	1125	0.165 ug/L	96
48) 2-Hexanone	8.088	43	15164m	3.854 ug/L	
49) Dibromochloromethane	8.181	129	1132	0.175 ug/L	85
50) 1,2-Dibromoethane	8.291	107	993	0.169 ug/L #	93
51) Chlorobenzene	8.825	112	4093	0.181 ug/L	92
52) Ethylbenzene	8.956	91	6482	0.166 ug/L	92
53) m,p-Xylene	9.085	106	2334	0.161 ug/L	77
54) o-Xylene	9.484	106	2217	0.159 ug/L	85
55) Styrene	9.509	104	3268	0.138 ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.181	83	1440	0.211 ug/L #	96
59) Bromoform	9.673	173	641	0.200 ug/L #	61
60) Isopropylbenzene	9.873	105	5850	0.170 ug/L	97
61) 1,2,3-Trichloropropane	10.223	75	1080	0.230 ug/L #	80
62) 1,3,5-Trimethylbenzene	10.484	105	4460	0.159 ug/L	97
63) 1,2,4-Trimethylbenzene	10.860	105	4365	0.157 ug/L	95
64) 1,3-Dichlorobenzene	11.127	146	2951	0.180 ug/L	89
65) 1,4-Dichlorobenzene	11.214	146	3222	0.196 ug/L	94
67) 1,2-Dichlorobenzene	11.580	146	3087	0.206 ug/L #	85
69) 1,3,5-Trichlorobenzene	12.590	180	1987	0.165 ug/L	93
70) 1,2,4-trichlorobenzene	13.210	180	1817	0.171 ug/L	100
71) Naphthalene	13.451	128	3185	0.176 ug/L #	96
72) 1,2,3-Trichlorobenzene	13.686	180	1586	0.173 ug/L	96

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

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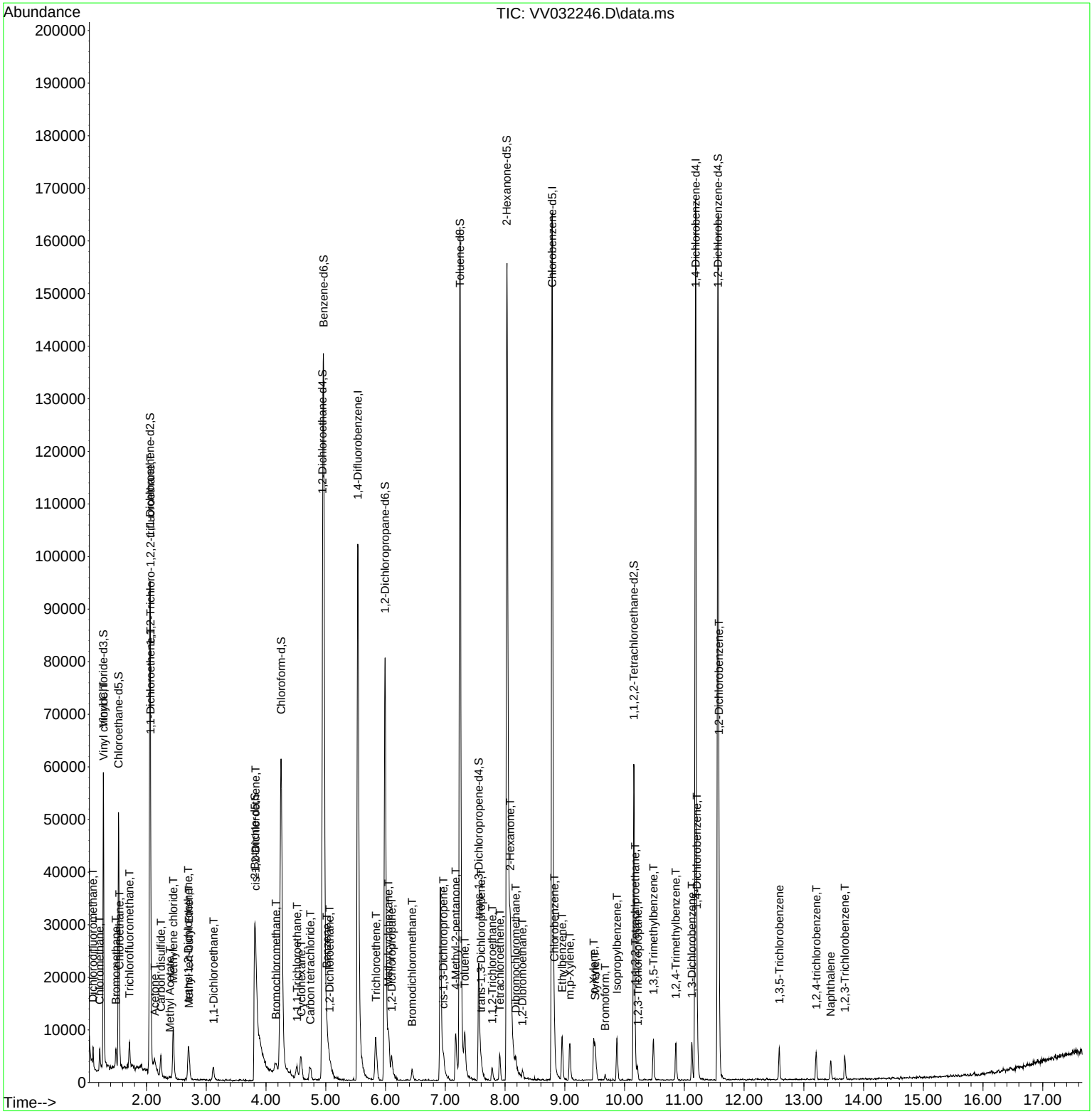
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