

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031325\
 Data File : VV038704.D
 Acq On : 13 Mar 2025 15:23
 Operator : SY/MD
 Sample : Q1546-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 14 07:43:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031325WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Mar 13 13:15:04 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	160891	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	174582	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	71993	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	56838	5.34	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	106.80%	
7) Chloroethane-d5	1.529	69	55320	5.34	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	106.80%	
11) 1,1-Dichloroethene-d2	2.053	65	28407	5.23	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	104.60%	
20) 2-Butanone-d5	3.793	46	136546	53.21	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	106.42%	
24) Chloroform-d	4.243	84	133279	5.31	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	106.20%	
26) 1,2-Dichloroethane-d4	4.937	65	64514	5.74	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	114.80%	
32) Benzene-d6	4.953	84	243089	5.43	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	108.60%	
36) 1,2-Dichloropropane-d6	5.982	67	81483	5.60	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	112.00%	
41) Toluene-d8	7.236	98	195624	4.84	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.80%	
43) trans-1,3-Dichloroprop...	7.558	79	19231	4.48	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	89.60%	
46) 2-Hexanone-d5	8.021	63	108469	52.42	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	123.40%#	
56) 1,1,2,2-Tetrachloroeth...	10.146	84	64877			
Spiked Amount	5.000	Range 65 - 120	Recovery	=		
66) 1,2-Dichlorobenzene-d4	11.554	152	72372			
Spiked Amount	5.000	Range 80 - 120	Recovery	=		
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	3939			
3) Chloromethane	1.214	50	4385	0.28	ug/L	100
5) Vinyl chloride	1.281	62	4348	0.27	ug/L #	48
6) Bromomethane	1.484	94	2185	0.28	ug/L	97
8) Chloroethane	1.545	64	3640	0.34	ug/L	90
9) Trichlorofluoromethane	1.709	101	5811	0.25	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	3880	0.29	ug/L	93
12) 1,1-Dichloroethene	2.063	96	4027	0.33	ug/L #	1
14) Carbon disulfide	2.236	76	10003	0.26	ug/L #	91
15) Methyl Acetate	2.394	43	1203	0.25	ug/L #	65
16) Methylene chloride	2.442	84	3961	0.28	ug/L	96
17) Methyl tert-butyl Ether	2.703	73	6026	0.23	ug/L #	91
18) trans-1,2-Dichloroethene	2.696	96	3136	0.25	ug/L	92
19) 1,1-Dichloroethane	3.114	63	5763	0.24	ug/L	99
21) 2-Butanone	3.931	43	5643m	2.08	ug/L	
22) cis-1,2-Dichloroethene	3.818	96	3367	0.26	ug/L	92
23) Bromochloromethane	4.153	128	1741m	0.28	ug/L	
25) Chloroform	4.272	83	7923	0.32	ug/L	90
27) 1,2-Dichloroethane	5.059	62	3863m	0.28	ug/L	

Substituted by : 26march 2025 03:14:50
 Reviewed by : M. J. 26march 2025 03:14:50

APPROVED
 Manual integrations

MDT-MATEB-011-5052-01
 Client Sampled :
 MS/MS
 Instrument :

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.506	97	5402	0.25	ug/L #	73
30) Cyclohexane	4.571	56	3745	0.21	ug/L #	87
31) Carbon tetrachloride	4.731	117	4592	0.23	ug/L	99
33) Benzene	5.008	78	12431	0.25	ug/L	100
34) Trichloroethene	5.841	95	3165	0.23	ug/L	92
35) Methylcyclohexane	6.046	83	3877	0.20	ug/L	96
37) 1,2-Dichloropropane	6.108	63	3100m	0.23	ug/L	
38) Bromodichloromethane	6.442	83	4498	0.25	ug/L #	92
39) cis-1,3-Dichloropropene	6.979	75	3688	0.21	ug/L #	83
40) 4-Methyl-2-pentanone	7.165	43	11802	1.75	ug/L #	86
42) Toluene	7.326	91	11922	0.23	ug/L	90
44) trans-1,3-Dichloropropene	7.606	75	3293	0.22	ug/L	92
45) 1,1,2-Trichloroethane	7.779	97	2058	0.20	ug/L	81
47) Tetrachloroethene	7.902	164	2523	0.25	ug/L	94
48) 2-Hexanone	8.088	43	17599	3.65	ug/L #	94
49) Dibromochloromethane	8.175	129	2837	0.25	ug/L	88
50) 1,2-Dibromoethane	8.288	107	2112	0.23	ug/L #	97
51) Chlorobenzene	8.815	112	8744	0.25	ug/L	95
52) Ethylbenzene	8.953	91	11362	0.20	ug/L	97
53) m,p-Xylene	9.082	106	3944	0.19	ug/L	78
54) o-Xylene	9.480	106	3822	0.19	ug/L	82
55) Styrene	9.513	104	5658m	0.17	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.175	83	3331	0.28	ug/L #	93
59) Bromoform	9.660	173	1176	0.25	ug/L #	76
60) Isopropylbenzene	9.866	105	10107	0.23	ug/L #	95
61) 1,2,3-Trichloropropane	10.207	75	1992	0.31	ug/L #	84
62) 1,3,5-Trimethylbenzene	10.474	105	6852	0.21	ug/L	96
63) 1,2,4-Trimethylbenzene	10.853	105	6961			
64) 1,3-Dichlorobenzene	11.120	146	5613			
65) 1,4-Dichlorobenzene	11.207	146	6071			
67) 1,2-Dichlorobenzene	11.574	146	5791			
68) 1,2-Dibromo-3-chloropr...	12.377	75	285	0.20	ug/L #	63
69) 1,3,5-Trichlorobenzene	12.583	180	3392			
70) 1,2,4-trichlorobenzene	13.210	180	2615			
71) Naphthalene	13.458	128	3855			
72) 1,2,3-Trichlorobenzene	13.676	180	2597	0.25	ug/L	93

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

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