

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031825\
 Data File : VV038727.D
 Acq On : 18 Mar 2025 10:26
 Operator : SY/MD
 Sample : Q1546-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 18 10:47:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM031724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Mar 17 15:08:07 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	366491	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	393451	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	171804	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	170196	46.13	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	92.26%	
7) Chloroethane-d5	1.529	69	143014	46.24	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	92.48%	
11) 1,1-Dichloroethene-d2	2.053	65	74600	45.09	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	90.18%	
21) 2-Butanone-d5	3.786	46	113724	85.56	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	85.56%	
24) Chloroform-d	4.240	84	310627	46.57	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.14%	
26) 1,2-Dichloroethane-d4	4.931	65	189944	48.94	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	97.88%	
32) Benzene-d6	4.950	84	599560	48.13	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	96.26%	
36) 1,2-Dichloropropane-d6	5.979	67	201152	50.00	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	100.00%	
41) Toluene-d8	7.236	98	500592	46.25	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	92.50%	
43) trans-1,3-Dichloroprop...	7.548	79	75976	45.83	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	91.66%	
47) 2-Hexanone-d5	8.021	63	76873	92.37	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	106.00%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	229419			
Spiked Amount	50.000	Range 65 - 120	Recovery	=	106.00%	
66) 1,2-Dichlorobenzene-d4	11.551	152	173811			
Spiked Amount	50.000	Range 80 - 120	Recovery	=	106.00%	
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	6789	2.34	ug/L	94
3) Chloromethane	1.214	50	8673	2.59	ug/L #	70
5) Vinyl chloride	1.281	62	9972	2.69	ug/L	88
6) Bromomethane	1.484	94	5412	2.62	ug/L	97
8) Chloroethane	1.545	64	6416	2.32	ug/L	92
9) Trichlorofluoromethane	1.709	101	11297	3.06	ug/L #	83
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	8950	3.06	ug/L #	1
12) 1,1-Dichloroethene	2.063	96	8405	4.75	ug/L	98
13) Acetone	2.111	43	6209	2.46	ug/L	100
14) Carbon disulfide	2.236	76	21046	2.20	ug/L #	75
15) Methyl Acetate	2.381	43	5749	2.14	ug/L #	78
17) trans-1,2-Dichloroethene	2.693	96	6373	2.24	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	17385	2.34	ug/L	95
19) 1,1-Dichloroethane	3.105	63	13643	5.89	ug/L	
20) cis-1,2-Dichloroethene	3.818	96	7409	2.37	ug/L	
22) 2-Butanone	3.918	43	9051m	2.73	ug/L	
23) Bromochloromethane	4.166	128	4026m	2.06	ug/L #	77
27) 1,2-Dichloroethane	5.050	62	11971m			
29) Cyclohexane	4.568	56	9950			

Submitted by: Marybeth DeBord 03/18/2025
 Reviewed by: John C. Jones 03/18/2025

APPROVED
 Manual Integrations

MDT-MATEB-011-2025-05
 Client Sampled:
 MSVOA_V
 Instrument:

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.503	97	11951m	2.37	ug/L	
31) Carbon tetrachloride	4.728	117	10286	2.37	ug/L	95
33) Benzene	5.008	78	28044	2.24	ug/L	100
34) Trichloroethene	5.838	95	7898m	2.46	ug/L	
35) Methylcyclohexane	6.043	83	8536	1.81	ug/L #	80
37) 1,2-Dichloropropane	6.098	63	6724	1.93	ug/L	97
38) Bromodichloromethane	6.436	83	10910	2.38	ug/L	93
39) cis-1,3-Dichloropropene	6.963	75	11235m	2.25	ug/L	
40) 4-Methyl-2-pentanone	7.169	43	9973m	3.23	ug/L	
42) Toluene	7.320	91	27579	2.16	ug/L	96
44) trans-1,3-Dichloropropene	7.590	75	10912m	2.31	ug/L	
45) 1,1,2-Trichloroethane	7.773	97	6958	2.12	ug/L	94
46) Tetrachloroethene	7.905	164	5088	2.23	ug/L	97
48) 2-Hexanone	8.091	43	17941m	8.37	ug/L	
49) Dibromochloromethane	8.178	129	7377	2.25	ug/L	94
50) 1,2-Dibromoethane	8.284	107	6784	2.12	ug/L	97
51) Chlorobenzene	8.815	112	19775	2.27	ug/L	90
52) Ethylbenzene	8.950	91	25581	1.82	ug/L	99
53) m,p-Xylene	9.075	106	8833	1.73	ug/L	91
54) o-Xylene	9.474	106	8585	1.73	ug/L	94
55) Styrene	9.503	104	11577	1.33	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.169	83	11992	2.45	ug/L #	97
59) Bromoform	9.667	173	3825	2.40	ug/L #	92
60) Isopropylbenzene	9.863	105	21910	2.03	ug/L	96
61) 1,2,3-Trichloropropane	10.207	75	7543	2.63	ug/L	93
62) 1,3,5-Trimethylbenzene	10.471	105	16571	1.98	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	15612	1.84	ug/L	98
64) 1,3-Dichlorobenzene	11.117	146	11986			
65) 1,4-Dichlorobenzene	11.201	146	13274			
67) 1,2-Dichlorobenzene	11.570	146	13807			
68) 1,2-Dibromo-3-chloropr...	12.371	75	2208			
69) 1,3,5-Trichlorobenzene	12.583	180	7346	2.20	ug/L	95
70) 1,2,4-trichlorobenzene	13.204	180	6412			
71) Naphthalene	13.448	128	17476			
72) 1,2,3-Trichlorobenzene	13.676	180	6206			

Reviewed by: [Signature] Date: 03/18/2025
 Released by: John Carone Date: 03/18/2025

APPROVED
 Manual integrations

MDT-WATER-01T-S052-05
 Client Sample ID :
 MS/MS V
 Instrument :

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

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