

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV031825\
 Data File : VV038729.D
 Acq On : 18 Mar 2025 15:06
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 18 15:35:13 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	386412	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	400157	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	216233	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	168321	43.27	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	86.54%	
7) Chloroethane-d5	1.529	69	143885	44.12	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	88.24%	
11) 1,1-Dichloroethene-d2	2.053	65	75192	43.10	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	86.20%	
21) 2-Butanone-d5	3.783	46	146387m	104.46	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	104.46%	
24) Chloroform-d	4.240	84	321667	45.74	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	91.48%	
26) 1,2-Dichloroethane-d4	4.931	65	191450	46.79	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.58%	
32) Benzene-d6	4.950	84	618888	48.84	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	97.68%	
36) 1,2-Dichloropropane-d6	5.979	67	199901	48.86	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	97.72%	
41) Toluene-d8	7.233	98	557290	50.63	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	101.26%	
43) trans-1,3-Dichloroprop...	7.545	79	85816	50.90	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	101.80%	
47) 2-Hexanone-d5	8.018	63	93285	110.22	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	94.36%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	247493			
Spiked Amount	50.000	Range 65 - 120	Recovery	=		
66) 1,2-Dichlorobenzene-d4	11.551	152	194739			
Spiked Amount	50.000	Range 80 - 120	Recovery	=		
Target Compounds						
2) Dichlorodifluoromethane	1.105	85	136930			
3) Chloromethane	1.214	50	174915	44.75	ug/L	99
5) Vinyl chloride	1.281	62	188506	46.48	ug/L	100
6) Bromomethane	1.484	94	105739	49.81	ug/L	98
8) Chloroethane	1.545	64	120398	46.62	ug/L	99
9) Trichlorofluoromethane	1.709	101	242466	47.14	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	143413	46.50	ug/L	96
12) 1,1-Dichloroethene	2.066	96	140562	48.47	ug/L	86
13) Acetone	2.108	43	143363	104.11	ug/L	96
14) Carbon disulfide	2.236	76	402677	44.71	ug/L	100
15) Methyl Acetate	2.368	43	143016	51.93	ug/L	93
16) Methylene chloride	2.442	84	173706	47.08	ug/L	92
17) trans-1,2-Dichloroethene	2.687	96	145805	47.78	ug/L	95
18) Methyl tert-butyl Ether	2.696	73	440270	51.31	ug/L	98
19) 1,1-Dichloroethane	3.105	63	313471	48.79	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	165476	49.59	ug/L	93
22) 2-Butanone	3.863	43	153073	94.54	ug/L	92
23) Bromochloromethane	4.137	128	86702	48.38	ug/L	84
25) Chloroform	4.265	83	314359	48.76	ug/L	99

Submitted by: Marybeth DeBord 03/18/2025
 Released by: John Catione 03/18/2025

APPROVED
 Manual integrations

Client Sample ID :
 MSVOA_V
 Instrument :

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.031	62	239261	51.77	ug/L	99
29) Cyclohexane	4.571	56	257260	52.24	ug/L	92
30) 1,1,1-Trichloroethane	4.503	97	258461	50.40	ug/L	96
31) Carbon tetrachloride	4.725	117	218723	49.61	ug/L	99
33) Benzene	4.998	78	673108	52.95	ug/L	100
34) Trichloroethene	5.825	95	161948	49.53	ug/L	98
35) Methylcyclohexane	6.040	83	239850	49.99	ug/L	94
37) 1,2-Dichloropropane	6.082	63	183879	51.91	ug/L	97
38) Bromodichloromethane	6.423	83	235106	50.43	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	273223	53.91	ug/L	97
40) 4-Methyl-2-pentanone	7.146	43	363148	115.50	ug/L #	94
42) Toluene	7.307	91	707988	54.58	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	258702	53.87	ug/L	100
45) 1,1,2-Trichloroethane	7.760	97	168286	50.39	ug/L	98
46) Tetrachloroethene	7.895	164	115856	49.91	ug/L	97
48) 2-Hexanone	8.066	43	259551	119.08	ug/L	92
49) Dibromochloromethane	8.165	129	168971	50.72	ug/L	100
50) 1,2-Dibromoethane	8.272	107	169943	52.29	ug/L	98
51) Chlorobenzene	8.805	112	445910	50.31	ug/L	95
52) Ethylbenzene	8.937	91	759317	53.00	ug/L	99
53) m,p-Xylene	9.066	106	287630	55.30	ug/L	98
54) o-Xylene	9.471	106	275434	54.51	ug/L	97
55) Styrene	9.487	104	511307	57.59	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	257504	51.79	ug/L	99
59) Bromoform	9.654	173	103071	51.33	ug/L	98
60) Isopropylbenzene	9.857	105	736639	54.15	ug/L	99
61) 1,2,3-Trichloropropane	10.198	75	185630	51.48	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	585250			
63) 1,2,4-Trimethylbenzene	10.844	105	588031			
64) 1,3-Dichlorobenzene	11.107	146	344924			
65) 1,4-Dichlorobenzene	11.197	146	351174			
67) 1,2-Dichlorobenzene	11.570	146	357462	53.37	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	43354			
69) 1,3,5-Trichlorobenzene	12.574	180	210549			
70) 1,2,4-trichlorobenzene	13.188	180	175446			
71) Naphthalene	13.429	128	599302	66.90	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	176891	52.25	ug/L	98

Reviewed by: [Signature] Date: 03/18/2025
 Reviewed by: [Signature] Date: 03/18/2025

APPROVED
 Manual integrations

Client Sample ID :
 MS/MS
 Instrument :

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

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