

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112025\
 Data File : VU063752.D
 Acq On : 20 Nov 2025 11:10
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005150

Quant Time: Nov 21 04:16:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 21 04:14:42 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.222	114	160598	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	165548	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.788	152	108538	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.586	65	88380	5.157	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.200%
7) Chloroethane-d5	1.895	69	81198	5.505	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.200%
11) 1,1-Dichloroethene-d2	2.544	65	42266	5.366	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	107.400%
20) 2-Butanone-d5	4.592	46	158838	53.359	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.720%
24) Chloroform-d	5.030	84	201440	5.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.000%
26) 1,2-Dichloroethane-d4	5.673	65	98999	5.385	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.600%
32) Benzene-d6	5.698	84	384311	5.564	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.200%
36) 1,2-Dichloropropane-d6	6.660	67	109524	5.611	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	112.200%
41) Toluene-d8	7.872	98	361563	5.429	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.600%
43) trans-1,3-Dichloroprop...	8.155	79	35447	5.399	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.000%
46) 2-Hexanone-d5	8.608	63	121781	53.369	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.740%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	80606	5.466	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.400%
66) 1,2-Dichlorobenzene-d4	12.168	152	124542	5.301	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	66836	5.643	ug/L	98
3) Chloromethane	1.509	50	49105	5.338	ug/L	98
5) Vinyl chloride	1.589	62	63321	5.421	ug/L	98
6) Bromomethane	1.840	94	41129	5.543	ug/L	96
8) Chloroethane	1.914	64	45761	5.317	ug/L	98
9) Trichlorofluoromethane	2.120	101	126810	5.529	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.557	101	78576	5.711	ug/L	99
12) 1,1-Dichloroethene	2.557	96	59484	5.611	ug/L	96
13) Acetone	2.602	43	125525	51.559	ug/L	99
14) Carbon disulfide	2.769	76	70721	4.851	ug/L	99
15) Methyl Acetate	2.930	43	23763	4.953	ug/L	97
16) Methylene chloride	3.017	84	73249	4.957	ug/L	99
17) Methyl tert-butyl Ether	3.335	73	190998	5.413	ug/L	99
18) trans-1,2-Dichloroethene	3.325	96	60324	5.304	ug/L	99
19) 1,1-Dichloroethane	3.833	63	144246	5.418	ug/L	100
21) 2-Butanone	4.673	43	169947	50.863	ug/L	94
22) cis-1,2-Dichloroethene	4.634	96	85880	5.446	ug/L	99
23) Bromochloromethane	4.943	128	36394	5.554	ug/L	93
25) Chloroform	5.055	83	171401	5.541	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.766	62	96151	5.293	ug/L	98
29) 1,1,1-Trichloroethane	5.284	97	131793	5.568	ug/L	99
30) Cyclohexane	5.358	56	95724	5.477	ug/L	97
31) Carbon tetrachloride	5.493	117	99998	5.576	ug/L	100
33) Benzene	5.743	78	304003	5.495	ug/L	100
34) Trichloroethene	6.515	95	88495	5.389	ug/L	96
35) Methylcyclohexane	6.734	83	105838	5.676	ug/L	95
37) 1,2-Dichloropropane	6.763	63	82574	5.316	ug/L	99
38) Bromodichloromethane	7.078	83	113432	5.544	ug/L	98
39) cis-1,3-Dichloropropene	7.583	75	111289	5.491	ug/L	97
40) 4-Methyl-2-pentanone	7.763	43	437667	52.361	ug/L	100
42) Toluene	7.943	91	343970	5.552	ug/L	97
44) trans-1,3-Dichloropropene	8.184	75	83052	5.400	ug/L	99
45) 1,1,2-Trichloroethane	8.373	97	65697	5.410	ug/L	99
47) Tetrachloroethene	8.528	164	65518	5.421	ug/L	97
48) 2-Hexanone	8.660	43	314818	51.978	ug/L	99
49) Dibromochloromethane	8.782	129	67322	5.440	ug/L	96
50) 1,2-Dibromoethane	8.898	107	55265	5.257	ug/L	92
51) Chlorobenzene	9.422	112	243291	5.343	ug/L	99
52) Ethylbenzene	9.544	91	419267	5.457	ug/L	100
53) m,p-Xylene	9.669	106	158317	5.457	ug/L	100
54) o-Xylene	10.074	106	157487	5.495	ug/L	100
55) Styrene	10.090	104	258839	5.493	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.756	83	75134	5.173	ug/L	99
59) Bromoform	10.264	173	34156	5.205	ug/L	99
60) Isopropylbenzene	10.460	105	448709	5.500	ug/L	99
61) 1,2,3-Trichloropropane	10.798	75	54334	5.316	ug/L	99
62) 1,3,5-Trimethylbenzene	11.061	105	365392	5.369	ug/L	99
63) 1,2,4-Trimethylbenzene	11.444	105	359769	5.445	ug/L	100
64) 1,3-Dichlorobenzene	11.721	146	200644	5.197	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	199323	5.094	ug/L	98
67) 1,2-Dichlorobenzene	12.187	146	184416	5.293	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.971	75	8552	4.549	ug/L	95
69) 1,3,5-Trichlorobenzene	13.193	180	146439	5.178	ug/L	99
70) 1,2,4-trichlorobenzene	13.814	180	107084	4.770	ug/L	98
71) Naphthalene	14.061	128	127186	3.975	ug/L	99
72) 1,2,3-Trichlorobenzene	14.303	180	86483	4.606	ug/L	99

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

