

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112125\
 Data File : VU063768.D
 Acq On : 21 Nov 2025 14:33
 Operator : MD/SY
 Sample : Q3688-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 M-31SMS

Quant Time: Nov 21 22:31:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 21 22:28:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.219	114	323065	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.393	117	322908	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.785	152	177337	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	124984	44.801	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.600%
7) Chloroethane-d5	1.891	69	99965	46.510	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.020%
11) 1,1-Dichloroethene-d2	2.541	63	227097	46.962	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.920%
21) 2-Butanone-d5	4.595	46	150940	94.905	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.900%
24) Chloroform-d	5.029	84	230925	49.335	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.680%
26) 1,2-Dichloroethane-d4	5.669	65	149088	48.438	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.880%
32) Benzene-d6	5.695	84	429004	45.325	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.660%
36) 1,2-Dichloropropane-d6	6.660	67	126953	45.689	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.380%
41) Toluene-d8	7.872	98	404937	45.059	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.120%
43) trans-1,3-Dichloroprop...	8.155	79	49506	43.114	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.220%
47) 2-Hexanone-d5	8.608	63	96430	95.450	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.450%
56) 1,1,2,2-Tetrachloroeth...	10.730	84	194004	47.744	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.480%
66) 1,2-Dichlorobenzene-d4	12.167	152	163167	48.740	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.374	85	93824	49.901	ug/L	100
3) Chloromethane	1.509	50	100439	47.213	ug/L	99
5) Vinyl chloride	1.589	62	123564	49.955	ug/L	100
6) Bromomethane	1.837	94	81841	52.211	ug/L	96
8) Chloroethane	1.914	64	82792	50.145	ug/L	98
9) Trichlorofluoromethane	2.116	101	204395	52.392	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	115376	50.037	ug/L	100
12) 1,1-Dichloroethene	2.554	96	102611	48.657	ug/L	92
13) Acetone	2.605	43	126830	58.924	ug/L	99
14) Carbon disulfide	2.766	76	226780	41.284	ug/L	98
15) Methyl Acetate	2.923	43	132180	51.139	ug/L	99
16) Methylene chloride	3.017	84	122560	49.853	ug/L	99
17) trans-1,2-Dichloroethene	3.322	96	109976	48.913	ug/L	92
18) Methyl tert-butyl Ether	3.335	73	385418	50.651	ug/L	99
19) 1,1-Dichloroethane	3.833	63	216764	50.033	ug/L	97
20) cis-1,2-Dichloroethene	4.631	96	130575	50.453	ug/L	99
22) 2-Butanone	4.673	43	182417	76.284	ug/L	99
23) Bromochloromethane	4.939	128	69024	51.875	ug/L	98
25) Chloroform	5.052	83	242236	51.654	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.763	62	202185	52.813	ug/L	99
29) Cyclohexane	5.354	56	193150	47.541	ug/L	95
30) 1,1,1-Trichloroethane	5.280	97	197970	48.012	ug/L	99
31) Carbon tetrachloride	5.492	117	157922	48.707	ug/L	98
33) Benzene	5.743	78	496473	50.410	ug/L	100
34) Trichloroethene	6.515	95	138387	48.741	ug/L	99
35) Methylcyclohexane	6.734	83	196861	47.233	ug/L	100
37) 1,2-Dichloropropane	6.759	63	130666	51.051	ug/L	100
38) Bromodichloromethane	7.078	83	170425	48.625	ug/L	100
39) cis-1,3-Dichloropropene	7.579	75	179172	47.203	ug/L	100
40) 4-Methyl-2-pentanone	7.762	43	369297	99.682	ug/L	100
42) Toluene	7.943	91	541426	49.795	ug/L	100
44) trans-1,3-Dichloropropene	8.184	75	146953	44.351	ug/L	99
45) 1,1,2-Trichloroethane	8.373	97	133367	49.271	ug/L	98
46) Tetrachloroethene	8.528	164	103546	47.689	ug/L	99
48) 2-Hexanone	8.660	43	268767	92.429	ug/L	97
49) Dibromochloromethane	8.782	129	121427	46.452	ug/L	95
50) 1,2-Dibromoethane	8.897	107	139372	49.053	ug/L	98
51) Chlorobenzene	9.422	112	358201	48.818	ug/L	99
52) Ethylbenzene	9.544	91	616312	48.816	ug/L	99
53) m,p-Xylene	9.669	106	235068	48.849	ug/L	100
54) o-Xylene	10.074	106	232243	49.559	ug/L	94
55) Styrene	10.090	104	381437	50.236	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.756	83	218201	49.494	ug/L	99
59) Bromoform	10.264	173	88728	44.057	ug/L	98
60) 1,2,3-Trichloropropane	10.795	75	185026	47.803	ug/L	99
61) Isopropylbenzene	10.457	105	619805	46.329	ug/L	100
62) 1,3,5-Trimethylbenzene	11.061	105	517725	47.045	ug/L	100
63) 1,2,4-Trimethylbenzene	11.444	105	483322	46.011	ug/L	99
64) 1,3-Dichlorobenzene	11.721	146	271329	45.239	ug/L	99
65) 1,4-Dichlorobenzene	11.811	146	277716	45.208	ug/L	99
67) 1,2-Dichlorobenzene	12.187	146	268771	46.222	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.968	75	42902	44.888	ug/L	90
69) 1,3,5-Trichlorobenzene	13.193	180	182848	45.107	ug/L	99
70) 1,2,4-trichlorobenzene	13.810	180	146017	43.198	ug/L	99
71) Naphthalene	14.058	128	409847	45.561	ug/L	99
72) 1,2,3-Trichlorobenzene	14.299	180	139381	43.506	ug/L	98

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

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