

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061125\
 Data File : VU063383.D
 Acq On : 11 Jun 2025 14:20
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV038

Quant Time: Jun 11 14:57:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 11 13:45:27 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.239	114	153220	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	153083	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	81196	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	55488	47.972	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.940%
7) Chloroethane-d5	1.901	69	52760	46.873	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.740%
11) 1,1-Dichloroethene-d2	2.557	63	104056	47.346	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.700%
21) 2-Butanone-d5	4.612	46	105985	105.594	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.590%
24) Chloroform-d	5.052	84	118414	48.160	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.320%
26) 1,2-Dichloroethane-d4	5.692	65	72798	48.345	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.700%
32) Benzene-d6	5.714	84	235624	50.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.780%
36) 1,2-Dichloropropane-d6	6.679	67	79944	50.908	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.820%
41) Toluene-d8	7.888	98	211078	51.957	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.920%
43) trans-1,3-Dichloroprop...	8.171	79	33544	53.082	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.160%
47) 2-Hexanone-d5	8.624	63	65801	112.860	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.860%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	122941	51.260	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.520%
66) 1,2-Dichlorobenzene-d4	12.184	152	76052	51.192	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	68869	46.782	ug/L	100
3) Chloromethane	1.522	50	80257	48.263	ug/L	99
5) Vinyl chloride	1.599	62	86621	47.358	ug/L	99
6) Bromomethane	1.843	94	49348	47.946	ug/L	99
8) Chloroethane	1.924	64	54625	47.738	ug/L	98
9) Trichlorofluoromethane	2.126	101	101574	47.173	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	59440	46.318	ug/L	97
12) 1,1-Dichloroethene	2.567	96	55834	48.891	ug/L	95
13) Acetone	2.618	43	77243	101.554	ug/L	99
14) Carbon disulfide	2.779	76	180151	47.772	ug/L	99
15) Methyl Acetate	2.940	43	83828	53.124	ug/L #	100
16) Methylene chloride	3.033	84	70002	47.256	ug/L	98
17) trans-1,2-Dichloroethene	3.342	96	60788	49.520	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	185342	50.334	ug/L	99
19) 1,1-Dichloroethane	3.856	63	124146	48.311	ug/L	98
20) cis-1,2-Dichloroethene	4.653	96	69493	49.802	ug/L	99
22) 2-Butanone	4.692	43	116416	103.480	ug/L	94
23) Bromochloromethane	4.962	128	36635	49.128	ug/L	97
25) Chloroform	5.075	83	123439	48.161	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	97232	48.351	ug/L	99
29) Cyclohexane	5.377	56	103227	50.809	ug/L	97
30) 1,1,1-Trichloroethane	5.303	97	95142	49.219	ug/L	99
31) Carbon tetrachloride	5.512	117	80017	49.234	ug/L	99
33) Benzene	5.763	78	276773	52.019	ug/L	100
34) Trichloroethene	6.531	95	69358	50.719	ug/L	98
35) Methylcyclohexane	6.753	83	100653	49.757	ug/L	99
37) 1,2-Dichloropropane	6.779	63	80452	50.980	ug/L	100
38) Bromodichloromethane	7.094	83	91440	49.134	ug/L #	97
39) cis-1,3-Dichloropropene	7.599	75	113295	52.962	ug/L	100
40) 4-Methyl-2-pentanone	7.779	43	216089	110.400	ug/L	99
42) Toluene	7.959	91	290022	52.177	ug/L	99
44) trans-1,3-Dichloropropene	8.200	75	105109	52.500	ug/L	96
45) 1,1,2-Trichloroethane	8.390	97	73441	50.843	ug/L	98
46) Tetrachloroethene	8.544	164	49517	48.993	ug/L	99
48) 2-Hexanone	8.672	43	177738	116.433	ug/L	99
49) Dibromochloromethane	8.801	129	69597	50.781	ug/L	99
50) 1,2-Dibromoethane	8.914	107	76113	51.574	ug/L	98
51) Chlorobenzene	9.438	112	180479	50.083	ug/L	99
52) Ethylbenzene	9.560	91	300079	51.563	ug/L	99
53) m,p-Xylene	9.685	106	115003	53.411	ug/L	94
54) o-Xylene	10.090	106	109487	53.339	ug/L	95
55) Styrene	10.107	104	193133	54.789	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	130631	50.608	ug/L	100
59) Bromoform	10.280	173	54881	50.954	ug/L	100
60) 1,2,3-Trichloropropane	10.811	75	101887	52.180	ug/L	99
61) Isopropylbenzene	10.476	105	286611	53.445	ug/L	100
62) 1,3,5-Trimethylbenzene	11.081	105	220774	53.272	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	214217	54.410	ug/L	100
64) 1,3-Dichlorobenzene	11.737	146	136778	51.394	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	137703	50.334	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	135189	50.308	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	26443	50.361	ug/L	96
69) 1,3,5-Trichlorobenzene	13.213	180	89202	49.497	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	75676	54.082	ug/L	99
71) Naphthalene	14.081	128	239320	63.423	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	80009	57.766	ug/L	98

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

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