

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061125\
 Data File : VU063382.D
 Acq On : 11 Jun 2025 13:20
 Operator : MD/SY
 Sample : VSTD20037
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD200037

Quant Time: Jun 11 13:41:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 11 13:31:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	164034	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	168740	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	100220	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	235718	172.063	ug/L	0.00
7) Chloroethane-d5	1.891	69	226982	201.567	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.554	63	448361	186.777	ug/L	0.00
21) 2-Butanone-d5	4.605	46	472879	478.025	ug/L	0.00
24) Chloroform-d	5.049	84	503378	196.528	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.688	65	306477	191.913	ug/L	0.00
32) Benzene-d6	5.714	84	1029596	194.488	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.679	67	346646	201.279	ug/L	0.00
41) Toluene-d8	7.888	98	952011	202.266	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.171	79	151789	199.027	ug/L	0.00
47) 2-Hexanone-d5	8.621	63	340814	521.700	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.746	84	549955	212.630	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.183	152	374093	184.600	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	291741	212.362	ug/L	100
3) Chloromethane	1.518	50	326322	211.749	ug/L	100
5) Vinyl chloride	1.595	62	357442	227.635	ug/L	100
6) Bromomethane	1.830	94	205227	232.681	ug/L	99
8) Chloroethane	1.914	64	223594	233.141	ug/L	99
9) Trichlorofluoromethane	2.123	101	425001	234.323	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	245454	221.349	ug/L	98
12) 1,1-Dichloroethene	2.563	96	231211	217.685	ug/L	94
13) Acetone	2.615	43	299437	445.737	ug/L	99
14) Carbon disulfide	2.775	76	740492	218.804	ug/L	100
15) Methyl Acetate	2.936	43	338504	229.976	ug/L #	100
16) Methylene chloride	3.029	84	283616	217.588	ug/L	98
17) trans-1,2-Dichloroethene	3.338	96	252437	224.549	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	816668	227.319	ug/L	99
19) 1,1-Dichloroethane	3.849	63	513772	223.083	ug/L	99
20) cis-1,2-Dichloroethene	4.650	96	300512	232.901	ug/L	99
22) 2-Butanone	4.685	43	505425	518.324	ug/L	97
23) Bromochloromethane	4.959	128	149397	225.865	ug/L	98
25) Chloroform	5.071	83	503669	217.270	ug/L	100
27) 1,2-Dichloroethane	5.779	62	395950	217.497	ug/L	100
29) Cyclohexane	5.373	56	486483	248.129	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	400703	203.496	ug/L	99
31) Carbon tetrachloride	5.512	117	335185	204.383	ug/L	100
33) Benzene	5.759	78	1152731	216.664	ug/L	100
34) Trichloroethene	6.531	95	287724	212.212	ug/L	98
35) Methylcyclohexane	6.753	83	489784	253.033	ug/L	97
37) 1,2-Dichloropropane	6.778	63	325023	217.948	ug/L	100
38) Bromodichloromethane	7.094	83	385932	210.460	ug/L	98
39) cis-1,3-Dichloropropene	7.595	75	507899	232.497	ug/L	99
40) 4-Methyl-2-pentanone	7.778	43	953157	491.480	ug/L	99
42) Toluene	7.958	91	1258884	228.729	ug/L	100
44) trans-1,3-Dichloropropene	8.200	75	469763	232.720	ug/L	99

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45) 1,1,2-Trichloroethane	8.389	97	306698	216.618	ug/L	99
46) Tetrachloroethene	8.544	164	218523	228.354	ug/L	99
48) 2-Hexanone	8.672	43	764139	516.800	ug/L	99
49) Dibromochloromethane	8.801	129	299398	217.972	ug/L	100
50) 1,2-Dibromoethane	8.913	107	325139	219.910	ug/L	98
51) Chlorobenzene	9.438	112	785670	226.710	ug/L	98
52) Ethylbenzene	9.560	91	1403118	243.572	ug/L	100
53) m,p-Xylene	9.685	106	533605	250.765	ug/L	95
54) o-Xylene	10.090	106	518052	249.758	ug/L	95
55) Styrene	10.106	104	921436	269.085	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.772	83	568087	230.771	ug/L	99
59) Bromoform	10.280	173	248098	187.689	ug/L	99
60) 1,2,3-Trichloropropane	10.810	75	438063	188.344	ug/L	99
61) Isopropylbenzene	10.476	105	1389792	211.429	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	1164743	224.575	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	1164657	234.144	ug/L	99
64) 1,3-Dichlorobenzene	11.736	146	653087	210.512	ug/L	98
65) 1,4-Dichlorobenzene	11.826	146	662878	210.330	ug/L	100
67) 1,2-Dichlorobenzene	12.203	146	653428	208.916	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.984	75	128954	212.522	ug/L	95
69) 1,3,5-Trichlorobenzene	13.209	180	468595	224.466	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	414937	257.088	ug/L	99
71) Naphthalene	14.077	128	1320170	297.266	ug/L	100
72) 1,2,3-Trichlorobenzene	14.318	180	413156	261.948	ug/L	99

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

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