

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV060925\
 Data File : VV038773.D
 Acq On : 09 Jun 2025 18:12
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050322EC

Quant Time: Jun 10 09:12:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 10 09:06:39 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	601106	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	621373	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	342145	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	225211	45.051	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	90.100%	
7) Chloroethane-d5	1.539	69	206187	45.060	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	90.120%	
11) 1,1-Dichloroethene-d2	2.069	65	109370	44.451	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	88.900%	
21) 2-Butanone-d5	3.786	46	423640	108.664	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	108.660%	
24) Chloroform-d	4.252	84	489866	45.997	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.000%	
26) 1,2-Dichloroethane-d4	4.940	65	300352	48.308	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	96.620%	
32) Benzene-d6	4.960	84	949633	48.438	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	96.880%	
36) 1,2-Dichloropropane-d6	5.985	67	308314	47.350	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	94.700%	
41) Toluene-d8	7.236	98	864714	49.949	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	99.900%	
43) trans-1,3-Dichloroprop...	7.545	79	138057	48.618	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	97.240%	
47) 2-Hexanone-d5	8.014	63	305112	112.943	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	112.940%	
56) 1,1,2,2-Tetrachloroeth...	10.140	84	470611	48.710	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	97.420%	
66) 1,2-Dichlorobenzene-d4	11.548	152	309142	46.556	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	93.120%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.117	85	289961	41.057	ug/L	100
3) Chloromethane	1.227	50	301625	42.255	ug/L	99
5) Vinyl chloride	1.294	62	311890	42.273	ug/L	100
6) Bromomethane	1.490	94	163080	44.507	ug/L	98
8) Chloroethane	1.558	64	190739	43.048	ug/L	100
9) Trichlorofluoromethane	1.722	101	411786	42.301	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	243051	42.188	ug/L	98
12) 1,1-Dichloroethene	2.079	96	223035	42.941	ug/L	96
13) Acetone	2.117	43	299340	113.865	ug/L	97
14) Carbon disulfide	2.249	76	677278	42.661	ug/L	99
15) Methyl Acetate	2.378	43	327865	46.960	ug/L	93
16) Methylene chloride	2.455	84	256283	42.442	ug/L	92
17) trans-1,2-Dichloroethene	2.703	96	231064	44.236	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	717231	45.599	ug/L	99
19) 1,1-Dichloroethane	3.117	63	472764	43.561	ug/L	99
20) cis-1,2-Dichloroethene	3.821	96	255225	45.502	ug/L	95
22) 2-Butanone	3.863	43	437433	105.998	ug/L	98
23) Bromochloromethane	4.153	128	134554	44.938	ug/L	87
25) Chloroform	4.278	83	467987	43.792	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	366959	45.446	ug/L	99
29) Cyclohexane	4.587	56	407166	45.834	ug/L	94
30) 1,1,1-Trichloroethane	4.513	97	395222	43.239	ug/L	97
31) Carbon tetrachloride	4.738	117	347030	43.745	ug/L	98
33) Benzene	5.008	78	1003326	45.903	ug/L	100
34) Trichloroethene	5.831	95	254734	43.969	ug/L	99
35) Methylcyclohexane	6.046	83	398399	43.847	ug/L	96
37) 1,2-Dichloropropane	6.088	63	283550	45.025	ug/L	99
38) Bromodichloromethane	6.429	83	351288	42.992	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	424154	46.881	ug/L	99
40) 4-Methyl-2-pentanone	7.146	43	869229	100.971	ug/L	95
42) Toluene	7.310	91	1054888	46.746	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	407577	46.672	ug/L	98
45) 1,1,2-Trichloroethane	7.760	97	268095	43.432	ug/L	99
46) Tetrachloroethene	7.899	164	185080	43.440	ug/L	97
48) 2-Hexanone	8.062	43	704894	110.584	ug/L	92
49) Dibromochloromethane	8.169	129	279861	44.636	ug/L	100
50) 1,2-Dibromoethane	8.275	107	281553	44.382	ug/L	99
51) Chlorobenzene	8.805	112	676496	44.428	ug/L	99
52) Ethylbenzene	8.937	91	1133239	46.622	ug/L	100
53) m,p-Xylene	9.062	106	435620	48.833	ug/L	97
54) o-Xylene	9.468	106	411840	47.709	ug/L	98
55) Styrene	9.487	104	746423	49.650	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.165	83	461148	45.264	ug/L	99
59) Bromoform	9.654	173	200268	41.950	ug/L	99
60) Isopropylbenzene	9.857	105	1115381	45.767	ug/L	99
61) 1,2,3-Trichloropropane	10.197	75	363063	43.417	ug/L	97
62) 1,3,5-Trimethylbenzene	10.468	105	873148	46.048	ug/L	99
63) 1,2,4-Trimethylbenzene	10.841	105	888406	47.420	ug/L	99
64) 1,3-Dichlorobenzene	11.104	146	517022	44.400	ug/L	98
65) 1,4-Dichlorobenzene	11.197	146	543173	43.337	ug/L	99
67) 1,2-Dichlorobenzene	11.567	146	515064	43.788	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.352	75	100669	42.122	ug/L	94
69) 1,3,5-Trichlorobenzene	12.570	180	330591	42.942	ug/L	99
70) 1,2,4-trichlorobenzene	13.184	180	282308	42.891	ug/L	99
71) Naphthalene	13.426	128	1089482	46.596	ug/L	99
72) 1,2,3-Trichlorobenzene	13.667	180	307946	44.851	ug/L	99

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

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