

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW100325\
 Data File : VW039242.D
 Acq On : 03 Oct 2025 08:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 08 07:59:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	504801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	717875	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	718198	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	467640	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.941	65	305033	41.751	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	83.500%
35) Dibromofluoromethane	4.497	113	317481	55.012	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	110.020%
50) Toluene-d8	7.233	98	856835	50.551	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	101.100%
62) 4-Bromofluorobenzene	9.998	95	420941	60.326	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	120.660%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	342379	42.846	ug/l	98
3) Chloromethane	1.230	50	355916	41.489	ug/l	98
4) Vinyl Chloride	1.298	62	402428	43.819	ug/l	99
5) Bromomethane	1.494	94	264412	45.671	ug/l	100
6) Chloroethane	1.561	64	269107	49.756	ug/l	99
7) Trichlorofluoromethane	1.725	101	654327	49.210	ug/l	100
8) Diethyl Ether	1.918	74	239899	48.601	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.082	101	393714	49.765	ug/l	96
10) Methyl Iodide	2.198	142	430956	57.201	ug/l	98
11) Tert butyl alcohol	2.564	59	340440	220.472	ug/l	100
12) 1,1-Dichloroethene	2.082	96	371821	48.853	ug/l	90
13) Acrolein	2.011	56	42535	158.748	ug/l	99
14) Allyl chloride	2.359	41	613293	45.110	ug/l	96
15) Acrylonitrile	2.670	53	1136973	229.692	ug/l	99
16) Acetone	2.117	43	1174504	261.128	ug/l	97
17) Carbon Disulfide	2.252	76	966224	41.510	ug/l	100
18) Methyl Acetate	2.378	43	577040	53.306	ug/l	97
19) Methyl tert-butyl Ether	2.709	73	1228261	50.644	ug/l	99
20) Methylene Chloride	2.455	84	425236	54.174	ug/l	94
21) trans-1,2-Dichloroethene	2.699	96	391729	48.346	ug/l	94
22) Diisopropyl ether	3.214	45	1227079	47.173	ug/l	98
23) Vinyl Acetate	3.185	43	5161912	226.848	ug/l	97
24) 1,1-Dichloroethane	3.117	63	742092	46.651	ug/l	98
25) 2-Butanone	3.860	43	1375343	235.085	ug/l	96
26) 2,2-Dichloropropane	3.809	77	617550	43.784	ug/l	98
27) cis-1,2-Dichloroethene	3.818	96	429074	48.015	ug/l	96
28) Bromochloromethane	4.143	49	350614	49.928	ug/l	90
29) Tetrahydrofuran	4.230	42	862839	235.626	ug/l	97
30) Chloroform	4.275	83	778110	46.845	ug/l	97
31) Cyclohexane	4.580	56	534129	40.990	ug/l	99
32) 1,1,1-Trichloroethane	4.510	97	669151	46.532	ug/l	98
36) 1,1-Dichloropropene	4.741	75	477305	54.703	ug/l	98
37) Ethyl Acetate	3.969	43	518087	48.933	ug/l	97
38) Carbon Tetrachloride	4.731	117	585594	54.914	ug/l	99
39) Methylcyclohexane	6.047	83	540367	51.283	ug/l	99
40) Benzene	5.008	78	1548631	54.504	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	240482	50.227	ug/l	97
42) 1,2-Dichloroethane	5.037	62	529233	53.160	ug/l	99
43) Isopropyl Acetate	5.188	43	783601	54.281	ug/l	98
44) Trichloroethene	5.828	130	380227	57.993	ug/l	98
45) 1,2-Dichloropropane	6.085	63	399651	56.590	ug/l	98
46) Dibromomethane	6.223	93	300983	55.683	ug/l	93
47) Bromodichloromethane	6.423	83	624205	55.859	ug/l	98
48) Methyl methacrylate	6.294	41	359934	55.003	ug/l	95
49) 1,4-Dioxane	6.288	88	108875	1030.978	ug/l	99
51) 4-Methyl-2-Pentanone	7.146	43	2763632	290.997	ug/l	97
52) Toluene	7.307	92	997722	60.564	ug/l	98
53) t-1,3-Dichloropropene	7.571	75	581937	59.756	ug/l	99
54) cis-1,3-Dichloropropene	6.944	75	639668	59.500	ug/l	97
55) 1,1,2-Trichloroethane	7.757	97	428052	57.949	ug/l	98
56) Ethyl methacrylate	7.712	69	556268	63.413	ug/l	94
57) 1,3-Dichloropropane	7.931	76	675609	57.955	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.809	63	1190479	240.718	ug/l	97
59) 2-Hexanone	8.059	43	2076495	270.676	ug/l	97
60) Dibromochloromethane	8.165	129	501215	59.550	ug/l	98
61) 1,2-Dibromoethane	8.272	107	445928	59.030	ug/l	98
64) Tetrachloroethene	7.895	164	339185	56.385	ug/l	96
65) Chlorobenzene	8.802	112	1110690	55.521	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.895	131	418344	57.876	ug/l	100
67) Ethyl Benzene	8.934	91	1817939	60.034	ug/l	99
68) m/p-Xylenes	9.059	106	1508955	129.107	ug/l	98
69) o-Xylene	9.468	106	665107	64.270	ug/l	97
70) Styrene	9.484	104	1271498	57.814	ug/l	98
71) Bromoform	9.651	173	351628	62.277	ug/l #	98
73) Isopropylbenzene	9.853	105	1831320	53.992	ug/l	99
74) N-amyl acetate	9.722	43	723655	53.488	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.165	83	688542	46.331	ug/l	100
76) 1,2,3-Trichloropropane	10.194	75	492632	46.268	ug/l	99
77) Bromobenzene	10.140	156	468225	53.208	ug/l	95
78) n-propylbenzene	10.275	91	2234110	54.089	ug/l	98
79) 2-Chlorotoluene	10.345	91	1348583	54.565	ug/l	99
80) 1,3,5-Trimethylbenzene	10.461	105	1593104	56.508	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	232306	52.378	ug/l	96
82) 4-Chlorotoluene	10.461	91	1616280	56.397	ug/l	99
83) tert-Butylbenzene	10.789	119	1488535	52.950	ug/l	98
84) 1,2,4-Trimethylbenzene	10.837	105	1600180	58.464	ug/l	99
85) sec-Butylbenzene	11.011	105	1923460	51.585	ug/l	99
86) p-Isopropyltoluene	11.165	119	1652409	53.245	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	934365	52.464	ug/l	100
88) 1,4-Dichlorobenzene	11.194	146	980583	50.185	ug/l	99
89) n-Butylbenzene	11.577	91	1558810	52.593	ug/l	99
90) Hexachloroethane	11.818	117	339116	44.374	ug/l	97
91) 1,2-Dichlorobenzene	11.564	146	865428	52.011	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	134431	50.268	ug/l	92
93) 1,2,4-Trichlorobenzene	13.185	180	511938	53.672	ug/l	98
94) Hexachlorobutadiene	13.368	225	219349	44.258	ug/l	99
95) Naphthalene	13.422	128	1812807	58.802	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	536779	55.024	ug/l	99

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

