

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
 Data File : VV039289.D
 Acq On : 07 Oct 2025 12:18
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ICSVV100725

Quant Time: Oct 08 05:05:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	680250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1088696	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1040306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	603412	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.940	65	481511	49.815	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	99.640%
35) Dibromofluoromethane	4.500	113	412884	48.132	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	96.260%
50) Toluene-d8	7.236	98	1454081	49.827	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	99.660%
62) 4-Bromofluorobenzene	10.001	95	544233	52.365	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	104.740%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	398736	46.376	ug/l	99
3) Chloromethane	1.230	50	396382	44.282	ug/l	99
4) Vinyl Chloride	1.297	62	441326	43.215	ug/l	100
5) Bromomethane	1.494	94	303068	45.740	ug/l	97
6) Chloroethane	1.558	64	274130	48.557	ug/l	99
7) Trichlorofluoromethane	1.725	101	657569	42.149	ug/l	99
8) Diethyl Ether	1.918	74	255032	45.237	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	398112	42.617	ug/l	100
10) Methyl Iodide	2.198	142	428916	53.291	ug/l	99
11) Tert butyl alcohol	2.571	59	453944	242.332	ug/l	100
12) 1,1-Dichloroethene	2.082	96	379351	41.358	ug/l	99
13) Acrolein	2.008	56	292300	270.420	ug/l	100
14) Allyl chloride	2.358	41	643837	44.280	ug/l	99
15) Acrylonitrile	2.674	53	1264783	227.676	ug/l	99
16) Acetone	2.121	43	1095712	243.690	ug/l	100
17) Carbon Disulfide	2.252	76	1052786	40.636	ug/l	100
18) Methyl Acetate	2.381	43	620740	49.559	ug/l	98
19) Methyl tert-butyl Ether	2.712	73	1305511	47.288	ug/l	98
20) Methylene Chloride	2.458	84	442430	51.647	ug/l	100
21) trans-1,2-Dichloroethene	2.699	96	397405	41.150	ug/l	99
22) Diisopropyl ether	3.217	45	1266524	48.515	ug/l	96
23) Vinyl Acetate	3.188	43	5639411	246.068	ug/l	100
24) 1,1-Dichloroethane	3.117	63	748832	42.816	ug/l	99
25) 2-Butanone	3.866	43	1522527	257.562	ug/l	99
26) 2,2-Dichloropropane	3.812	77	603192	42.820	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	461918	47.770	ug/l	98
28) Bromochloromethane	4.146	49	361200	48.442	ug/l	97
29) Tetrahydrofuran	4.239	42	1008916	266.937	ug/l	99
30) Chloroform	4.278	83	780635	43.769	ug/l	99
31) Cyclohexane	4.583	56	593052	46.556	ug/l	98
32) 1,1,1-Trichloroethane	4.513	97	677409	43.440	ug/l	99
36) 1,1-Dichloropropene	4.744	75	492718	45.731	ug/l	99
37) Ethyl Acetate	3.976	43	585358	46.408	ug/l	98
38) Carbon Tetrachloride	4.735	117	573415	43.684	ug/l	98
39) Methylcyclohexane	6.046	83	606545	49.258	ug/l	98
40) Benzene	5.011	78	1609624	46.558	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	276470	51.206	ug/l	98
42) 1,2-Dichloroethane	5.040	62	548560	45.210	ug/l	99
43) Isopropyl Acetate	5.194	43	873224	52.879	ug/l	99
44) Trichloroethene	5.831	130	389754	44.830	ug/l	96
45) 1,2-Dichloropropane	6.088	63	415923	49.440	ug/l	97
46) Dibromomethane	6.226	93	321539	45.727	ug/l	98
47) Bromodichloromethane	6.426	83	634739	45.813	ug/l	100
48) Methyl methacrylate	6.297	41	416502	54.443	ug/l	100
49) 1,4-Dioxane	6.291	88	150148	1179.813	ug/l	94
51) 4-Methyl-2-Pentanone	7.149	43	3077518	268.622	ug/l	100
52) Toluene	7.307	92	1028063	49.249	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	617453	50.992	ug/l	98
54) cis-1,3-Dichloropropene	6.947	75	674300	50.088	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	439297	46.606	ug/l	99
56) Ethyl methacrylate	7.715	69	632075	59.189	ug/l	99
57) 1,3-Dichloropropane	7.934	76	699121	49.151	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.812	63	1615393	249.980	ug/l	100
59) 2-Hexanone	8.062	43	2327647	276.742	ug/l	99
60) Dibromochloromethane	8.169	129	509675	46.246	ug/l	99
61) 1,2-Dibromoethane	8.271	107	475021	48.399	ug/l	99
64) Tetrachloroethene	7.895	164	342936	45.191	ug/l	98
65) Chlorobenzene	8.805	112	1145718	46.522	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	415835	45.078	ug/l	99
67) Ethyl Benzene	8.937	91	1867580	51.482	ug/l	99
68) m/p-Xylenes	9.062	106	1524093	105.928	ug/l	98
69) o-Xylene	9.468	106	694597	54.666	ug/l	98
70) Styrene	9.484	104	1290477	57.079	ug/l	100
71) Bromoform	9.654	173	362598	48.605	ug/l	100
73) Isopropylbenzene	9.857	105	1861757	50.809	ug/l	100
74) N-amyl acetate	9.725	43	782933	51.855	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.165	83	717810	42.658	ug/l	99
76) 1,2,3-Trichloropropane	10.197	75	545285	45.277	ug/l	100
77) Bromobenzene	10.140	156	480152	47.667	ug/l	98
78) n-propylbenzene	10.278	91	2259240	50.814	ug/l	100
79) 2-Chlorotoluene	10.349	91	1363973	49.689	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	1606972	52.291	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	242777	50.910	ug/l	99
82) 4-Chlorotoluene	10.461	91	1605935	50.899	ug/l	99
83) tert-Butylbenzene	10.789	119	1540578	50.486	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	1613704	53.340	ug/l	100
85) sec-Butylbenzene	11.011	105	1980923	51.343	ug/l	100
86) p-Isopropyltoluene	11.165	119	1696099	51.129	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	940381	46.805	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	973562	43.297	ug/l	99
89) n-Butylbenzene	11.580	91	1583094	51.246	ug/l	100
90) Hexachloroethane	11.818	117	342236	41.723	ug/l	100
91) 1,2-Dichlorobenzene	11.567	146	890154	46.575	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	155566	44.961	ug/l	100
93) 1,2,4-Trichlorobenzene	13.184	180	536155	50.299	ug/l	98
94) Hexachlorobutadiene	13.368	225	228537	42.341	ug/l	99
95) Naphthalene	13.422	128	1981591	56.741	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	563584	50.871	ug/l	99

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

