

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092225\
 Data File : VV039144.D
 Acq On : 22 Sep 2025 16:58
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ICSVV092225

Quant Time: Sep 24 08:10:27 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
 Supervised By :Semsettin Yesilyurt 09/26/2025

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	530687	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	821122	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	811351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	500088	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.940	65	368982	48.041	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	96.080%
35) Dibromofluoromethane	4.500	113	335549	50.832	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	101.660%
50) Toluene-d8	7.236	98	1012009	52.199	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	104.400%
62) 4-Bromofluorobenzene	10.001	95	453523	56.823	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	113.640%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	380034	45.238	ug/l	98
3) Chloromethane	1.230	50	419560	46.523	ug/l	99
4) Vinyl Chloride	1.298	62	438971	45.467	ug/l	100
5) Bromomethane	1.494	94	274408	45.085	ug/l	100
6) Chloroethane	1.558	64	288768	50.873	ug/l	97
7) Trichlorofluoromethane	1.725	101	649327	46.452	ug/l	98
8) Diethyl Ether	1.918	74	239410	46.136	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.082	101	386460	46.465	ug/l	98
10) Methyl Iodide	2.198	142	394299	49.783	ug/l	100
11) Tert butyl alcohol	2.571	59	409358	252.173	ug/l	99
12) 1,1-Dichloroethene	2.082	96	367440	45.922	ug/l	99
13) Acrolein	2.011	56	76596	271.925	ug/l	95
14) Allyl chloride	2.359	41	673070	47.092	ug/l	100
15) Acrylonitrile	2.674	53	1247029	239.637	ug/l	100
16) Acetone	2.117	43	1131047	237.325	ug/l	99
17) Carbon Disulfide	2.252	76	1114937	45.563	ug/l	99
18) Methyl Acetate	2.381	43	564211	49.579	ug/l	99
19) Methyl tert-butyl Ether	2.712	73	1204021	47.223	ug/l	100
20) Methylene Chloride	2.458	84	426790	51.536	ug/l	99
21) trans-1,2-Dichloroethene	2.703	96	391103	45.915	ug/l	100
22) Diisopropyl ether	3.217	45	1355158	49.556	ug/l	95
23) Vinyl Acetate	3.188	43	5946893	248.597	ug/l	100
24) 1,1-Dichloroethane	3.117	63	761495	45.536	ug/l	100
25) 2-Butanone	3.867	43	1611713	262.050	ug/l	99
26) 2,2-Dichloropropane	3.812	77	648277	43.721	ug/l	99
27) cis-1,2-Dichloroethene	3.818	96	459958	48.960	ug/l	99
28) Bromochloromethane	4.146	49	384995	52.149	ug/l	100
29) Tetrahydrofuran	4.236	42	1064545	276.528	ug/l	99
30) Chloroform	4.278	83	820367	46.980	ug/l	99
31) Cyclohexane	4.584	56	654806	47.799	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	709351	46.922	ug/l	99
36) 1,1-Dichloropropene	4.744	75	537027	53.809	ug/l	99
37) Ethyl Acetate	3.976	43	630342	52.050	ug/l	99
38) Carbon Tetrachloride	4.735	117	603187	49.452	ug/l	99
39) Methylcyclohexane	6.047	83	692131	57.426	ug/l	98
40) Benzene	5.008	78	1699505	52.293	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	282895	51.602	ug/l	99
42) 1,2-Dichloroethane	5.040	62	583550	51.245	ug/l	99
43) Isopropyl Acetate	5.194	43	924654	55.998	ug/l	99
44) Trichloroethene	5.831	130	384092	51.216	ug/l	95
45) 1,2-Dichloropropane	6.088	63	440211	54.495	ug/l	97
46) Dibromomethane	6.223	93	316032	51.116	ug/l	97
47) Bromodichloromethane	6.426	83	654836	51.232	ug/l	99
48) Methyl methacrylate	6.297	41	442395	59.104	ug/l	98
49) 1,4-Dioxane	6.291	88	136899	1133.346	ug/l	99
51) 4-Methyl-2-Pentanone	7.149	43	3292794	303.119	ug/l	100
52) Toluene	7.307	92	1064972	56.517	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	621814	55.823	ug/l	99
54) cis-1,3-Dichloropropene	6.947	75	690532	56.154	ug/l	98
55) 1,1,2-Trichloroethane	7.760	97	432856	51.231	ug/l	99
56) Ethyl methacrylate	7.715	69	610159	60.810	ug/l	99
57) 1,3-Dichloropropane	7.934	76	716955	53.769	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.812	63	1474938	259.936	ug/l	99
59) 2-Hexanone	8.063	43	2462493	280.545	ug/l	100
60) Dibromochloromethane	8.169	129	499908	51.926	ug/l	99
61) 1,2-Dibromoethane	8.272	107	460510	53.295	ug/l	100
64) Tetrachloroethene	7.895	164	346271	50.954	ug/l	99
65) Chlorobenzene	8.802	112	1153503	51.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.899	131	409401	50.136	ug/l	100
67) Ethyl Benzene	8.937	91	1964943	57.438	ug/l	100
68) m/p-Xylenes	9.062	106	1592118	120.582	ug/l	100
69) o-Xylene	9.468	106	706301	60.414	ug/l	98
70) Styrene	9.484	104	1306032	52.671	ug/l	99
71) Bromoform	9.654	173	335410	52.585	ug/l #	98
73) Isopropylbenzene	9.857	105	1966280	54.210	ug/l	100
74) N-amyl acetate	9.725	43	841099	58.135	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	724860	45.610	ug/l	100
76) 1,2,3-Trichloropropane	10.197	75	563785m	49.515	ug/l	
77) Bromobenzene	10.140	156	462931	49.193	ug/l	99
78) n-propylbenzene	10.278	91	2444658	55.347	ug/l	99
79) 2-Chlorotoluene	10.349	91	1412046	53.426	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	1709353	56.698	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.927	75	247871	52.262	ug/l	99
82) 4-Chlorotoluene	10.461	91	1680201	54.824	ug/l	100
83) tert-Butylbenzene	10.789	119	1610870	53.584	ug/l	100
84) 1,2,4-Trimethylbenzene	10.837	105	1695994	57.944	ug/l	100
85) sec-Butylbenzene	11.011	105	2189540	54.911	ug/l	100
86) p-Isopropyltoluene	11.165	119	1841747	55.495	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	939483	49.328	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	971665	46.502	ug/l	99
89) n-Butylbenzene	11.580	91	1798412	56.740	ug/l	100
90) Hexachloroethane	11.818	117	370188	45.296	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	878347	49.362	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	150399	52.479	ug/l	98
93) 1,2,4-Trichlorobenzene	13.185	180	533045	52.259	ug/l	99
94) Hexachlorobutadiene	13.368	225	243496	45.942	ug/l	99
95) Naphthalene	13.422	128	1919772	58.231	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	549079	52.633	ug/l	98

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

