

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092225\
 Data File : VV039143.D
 Acq On : 22 Sep 2025 16:35
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Sep 24 07:26:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 07:14:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	406498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	735855	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	700418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	322677	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	81 - 118	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	80 - 119	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	89 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	85 - 114	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	7593	1.180	ug/l	98
3) Chloromethane	1.230	50	7695	1.114	ug/l	99
4) Vinyl Chloride	1.297	62	8342	1.128	ug/l	98
6) Chloroethane	1.564	64	7440	0.673	ug/l	96
7) Trichlorofluoromethane	1.725	101	12570	1.174	ug/l	85
8) Diethyl Ether	1.921	74	4650	1.170	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.082	101	7630	1.198	ug/l	96
12) 1,1-Dichloroethene	2.085	96	7094	1.157	ug/l #	66
14) Allyl chloride	2.362	41	12383	1.131	ug/l	97
15) Acrylonitrile	2.683	53	23873	5.989	ug/l	96
16) Acetone	2.127	43	28927	3.224	ug/l	96
17) Carbon Disulfide	2.256	76	21708	1.158	ug/l	98
18) Methyl Acetate	2.391	43	9742	1.118	ug/l	98
19) Methyl tert-butyl Ether	2.715	73	21063	1.078	ug/l #	89
20) Methylene Chloride	2.458	84	16152	0.632	ug/l	90
21) trans-1,2-Dichloroethene	2.709	96	7797	1.195	ug/l	92
22) Diisopropyl ether	3.220	45	21620	1.032	ug/l #	34
23) Vinyl Acetate	3.204	43	91192	4.977	ug/l	99
24) 1,1-Dichloroethane	3.121	63	15790	1.233	ug/l #	94
25) 2-Butanone	3.921	43	22515m	4.862	ug/l	
26) 2,2-Dichloropropane	3.815	77	15492m	1.369	ug/l	
27) cis-1,2-Dichloroethene	3.834	96	8138	1.131	ug/l	91
28) Bromochloromethane	4.162	49	6039	1.068	ug/l #	53
29) Tetrahydrofuran	4.262	42	13621	4.619	ug/l #	65
30) Chloroform	4.288	83	15288	1.143	ug/l	96
32) 1,1,1-Trichloroethane	4.519	97	12926	1.116	ug/l	93
36) 1,1-Dichloropropene	4.764	75	9572m	1.063	ug/l	
37) Ethyl Acetate	4.030	43	12136m	1.098	ug/l	
38) Carbon Tetrachloride	4.735	117	13098m	1.207	ug/l	
39) Methylcyclohexane	6.050	83	9159	0.848	ug/l	91
40) Benzene	5.027	78	28487	0.978	ug/l	98
41) Methacrylonitrile	4.223	41	2717m	2.427	ug/l	
42) 1,2-Dichloroethane	5.059	62	10892	1.067	ug/l	95
43) Isopropyl Acetate	5.236	43	12786m	0.840	ug/l	
44) Trichloroethene	5.850	130	6408	0.953	ug/l	84
45) 1,2-Dichloropropane	6.104	63	6838	0.945	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	6.249	93	5835	1.053	ug/l	89
47) Bromodichloromethane	6.439	83	12206	1.066	ug/l #	90
48) Methyl methacrylate	6.371	41	7232m	1.038	ug/l	
49) 1,4-Dioxane	6.333	88	2721m	24.855	ug/l	
51) 4-Methyl-2-Pentanone	7.165	43	33797	3.472	ug/l	96
52) Toluene	7.326	92	13265	0.786	ug/l	87
53) t-1,3-Dichloropropene	7.606	75	8060	0.807	ug/l	90
54) cis-1,3-Dichloropropene	6.973	75	8754	0.794	ug/l #	93
55) 1,1,2-Trichloroethane	7.776	97	8140	1.075	ug/l	91
56) Ethyl methacrylate	7.747	69	7455m	0.829	ug/l	
57) 1,3-Dichloropropane	7.956	76	11732	0.982	ug/l	94
58) 2-Chloroethyl Vinyl ether	6.841	63	10011	11.289	ug/l	98
59) 2-Hexanone	8.091	43	17015	4.307	ug/l	98
60) Dibromochloromethane	8.172	129	9122	1.057	ug/l	87
61) 1,2-Dibromoethane	8.288	107	7129	0.921	ug/l	90
64) Tetrachloroethene	7.899	164	5814	0.991	ug/l	90
65) Chlorobenzene	8.812	112	20007	1.025	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	8.902	131	7603	1.079	ug/l #	61
67) Ethyl Benzene	8.947	91	24171	0.818	ug/l	94
68) m/p-Xylenes	9.072	106	16239	1.425	ug/l	98
69) o-Xylene	9.477	106	7250	0.718	ug/l	79
70) Styrene	9.503	104	11594	2.083	ug/l #	80
71) Bromoform	9.667	173	5558	1.009	ug/l #	94
73) Isopropylbenzene	9.860	105	20820	0.890	ug/l	98
74) N-amyl acetate	9.747	43	6654	0.713	ug/l #	91
75) 1,1,2,2-Tetrachloroethane	10.169	83	12746	1.243	ug/l	95
76) 1,2,3-Trichloropropane	10.207	75	8871	1.207	ug/l	100
77) Bromobenzene	10.159	156	6311	1.039	ug/l	93
78) n-propylbenzene	10.284	91	24996	0.877	ug/l	96
79) 2-Chlorotoluene	10.355	91	13640	0.800	ug/l	89
80) 1,3,5-Trimethylbenzene	10.471	105	15886	0.817	ug/l	96
82) 4-Chlorotoluene	10.474	91	15363	0.777	ug/l	91
83) tert-Butylbenzene	10.789	119	18552	0.956	ug/l	99
84) 1,2,4-Trimethylbenzene	10.847	105	15048	0.797	ug/l	95
85) sec-Butylbenzene	11.014	105	23268	0.904	ug/l	98
86) p-Isopropyltoluene	11.168	119	18549	0.866	ug/l	86
87) 1,3-Dichlorobenzene	11.117	146	12747	1.037	ug/l	97
88) 1,4-Dichlorobenzene	11.201	146	16279m	1.199	ug/l	
89) n-Butylbenzene	11.586	91	17079	0.835	ug/l	94
90) Hexachloroethane	11.818	117	6736	1.277	ug/l	94
91) 1,2-Dichlorobenzene	11.577	146	12486	1.088	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.361	75	3071	0.690	ug/l	75
93) 1,2,4-Trichlorobenzene	13.197	180	6637	1.008	ug/l	99
94) Hexachlorobutadiene	13.368	225	4406	1.288	ug/l	95
95) Naphthalene	13.438	128	19706m	0.931	ug/l	
96) 1,2,3-Trichlorobenzene	13.676	180	7184	1.067	ug/l	97

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

