

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV080825\
 Data File : VV038927.D
 Acq On : 08 Aug 2025 10:35
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/12/2025
 Supervised By :Semsettin Yesilyurt 08/12/2025

Quant Time: Aug 11 05:03:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V080825W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 11 04:47:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	449331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	747562	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	702018	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	373535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.950	65	33230	5.142	ug/l	0.01
Spiked Amount 50.000	Range 81 - 118		Recovery =	10.280%#		
35) Dibromofluoromethane	4.513	113	27794	4.901	ug/l	0.02
Spiked Amount 50.000	Range 80 - 119		Recovery =	9.800%#		
50) Toluene-d8	7.243	98	89234	4.543	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	9.080%#		
62) 4-Bromofluorobenzene	10.008	95	28588	4.041	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	8.080%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	12424	4.110	ug/l	98
3) Chloromethane	1.230	50	12838	4.451	ug/l	91
4) Vinyl Chloride	1.294	62	15213	4.292	ug/l	98
5) Bromomethane	1.487	94	14604	5.256	ug/l	98
6) Chloroethane	1.555	64	11505	4.513	ug/l	95
7) Trichlorofluoromethane	1.722	101	33902	4.830	ug/l	99
8) Diethyl Ether	1.918	74	12539	4.791	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.079	101	22367	4.988	ug/l	97
10) Methyl Iodide	2.198	142	16822	6.556	ug/l	94
11) Tert butyl alcohol	2.577	59	26952	24.661	ug/l	95
12) 1,1-Dichloroethene	2.082	96	18043	4.855	ug/l	92
13) Acrolein	2.008	56	33659	43.648	ug/l	94
14) Allyl chloride	2.359	41	31270	4.812	ug/l #	94
15) Acrylonitrile	2.680	53	69161	23.970	ug/l	98
16) Acetone	2.121	43	55798	24.055	ug/l	97
17) Carbon Disulfide	2.253	76	25046	4.174	ug/l	98
18) Methyl Acetate	2.381	43	27984	3.589	ug/l	96
19) Methyl tert-butyl Ether	2.716	73	74809	4.893	ug/l	98
20) Methylene Chloride	2.455	84	24498	4.561	ug/l	99
21) trans-1,2-Dichloroethene	2.706	96	18685	4.626	ug/l	96
22) Diisopropyl ether	3.217	45	60861	4.631	ug/l #	52
23) Vinyl Acetate	3.195	43	240038	24.589	ug/l	98
24) 1,1-Dichloroethane	3.117	63	43221	5.128	ug/l	97
25) 2-Butanone	3.889	43	64201	21.777	ug/l	95
26) 2,2-Dichloropropane	3.815	77	38171	5.111	ug/l	97
27) cis-1,2-Dichloroethene	3.825	96	23046m	4.736	ug/l	
28) Bromochloromethane	4.153	49	16769	6.085	ug/l	97
29) Tetrahydrofuran	4.252	42	40517	20.701	ug/l	96
30) Chloroform	4.281	83	45559	4.968	ug/l	91
31) Cyclohexane	4.593	56	27699	5.336	ug/l #	67
32) 1,1,1-Trichloroethane	4.513	97	39234	4.974	ug/l #	74
36) 1,1-Dichloropropene	4.754	75	21072	4.213	ug/l #	79
37) Ethyl Acetate	4.005	43	34679m	5.279	ug/l	
38) Carbon Tetrachloride	4.735	117	29607	4.435	ug/l #	88
39) Methylcyclohexane	6.047	83	22490	4.110	ug/l	98
40) Benzene	5.018	78	73643	4.426	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.195	41	9575m	3.551	ug/l	
42) 1,2-Dichloroethane	5.050	62	28468	4.404	ug/l	99
43) Isopropyl Acetate	5.207	43	39180	4.224	ug/l	97
44) Trichloroethene	5.844	130	18886	4.314	ug/l	96
45) 1,2-Dichloropropane	6.101	63	18251	4.056	ug/l	98
46) Dibromomethane	6.243	93	15420	4.483	ug/l	96
47) Bromodichloromethane	6.432	83	37071	4.851	ug/l	95
48) Methyl methacrylate	6.320	41	14584	3.686	ug/l	98
49) 1,4-Dioxane	6.310	88	6498	74.052	ug/l	91
51) 4-Methyl-2-Pentanone	7.156	43	139132	21.641	ug/l	96
52) Toluene	7.317	92	44878	4.272	ug/l	95
53) t-1,3-Dichloropropene	7.590	75	29567	4.423	ug/l	97
54) cis-1,3-Dichloropropene	6.960	75	31663	4.338	ug/l	97
55) 1,1,2-Trichloroethane	7.767	97	24501	4.766	ug/l	95
56) Ethyl methacrylate	7.728	69	22797	4.574	ug/l	93
57) 1,3-Dichloropropane	7.940	76	36215	4.606	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.822	63	64724	21.458	ug/l	99
59) 2-Hexanone	8.072	43	95565	20.593	ug/l	93
60) Dibromochloromethane	8.172	129	31490	5.003	ug/l	100
61) 1,2-Dibromoethane	8.281	107	24230	4.748	ug/l	100
64) Tetrachloroethene	7.902	164	19439	4.718	ug/l	99
65) Chlorobenzene	8.809	112	63223	4.607	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.902	131	28702	5.317	ug/l	93
67) Ethyl Benzene	8.944	91	84977	4.216	ug/l	99
68) m/p-Xylenes	9.069	106	62193	8.006	ug/l	100
69) o-Xylene	9.474	106	29585	4.050	ug/l	100
70) Styrene	9.493	104	51275	3.899	ug/l	98
71) Bromoform	9.657	173	21219	4.678	ug/l #	98
73) Isopropylbenzene	9.857	105	84176	4.317	ug/l	99
74) N-amyl acetate	9.731	43	27679	4.040	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.169	83	42199	5.062	ug/l	97
76) 1,2,3-Trichloropropane	10.201	75	28781	4.712	ug/l	90
77) Bromobenzene	10.149	156	24068	4.598	ug/l	94
78) n-propylbenzene	10.281	91	96245	4.185	ug/l	99
79) 2-Chlorotoluene	10.352	91	61149	4.331	ug/l	97
80) 1,3,5-Trimethylbenzene	10.468	105	66308	4.031	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.934	75	10107	4.146	ug/l #	92
82) 4-Chlorotoluene	10.468	91	70440	4.266	ug/l	98
83) tert-Butylbenzene	10.792	119	76834	4.385	ug/l	97
84) 1,2,4-Trimethylbenzene	10.844	105	65016	3.982	ug/l	96
85) sec-Butylbenzene	11.014	105	93587	4.227	ug/l	96
86) p-Isopropyltoluene	11.169	119	83827	4.346	ug/l	98
87) 1,3-Dichlorobenzene	11.111	146	48711	4.452	ug/l	98
88) 1,4-Dichlorobenzene	11.198	146	55551	4.663	ug/l	91
89) n-Butylbenzene	11.583	91	75935	4.258	ug/l	98
90) Hexachloroethane	11.821	117	23580	5.182	ug/l	92
91) 1,2-Dichlorobenzene	11.570	146	50254	4.860	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.358	75	8199	4.491	ug/l	96
93) 1,2,4-Trichlorobenzene	13.188	180	27391	4.199	ug/l	99
94) Hexachlorobutadiene	13.371	225	16617	4.821	ug/l	95
95) Naphthalene	13.429	128	80342	3.925	ug/l	98
96) 1,2,3-Trichlorobenzene	13.670	180	28348	4.247	ug/l	99

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

