

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082525\
 Data File : VV039022.D
 Acq On : 25 Aug 2025 10:08
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 26 02:12:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 02:10:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	489873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	848885	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	791718	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	398135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.953	65	36979	5.234	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	10.460%#		
35) Dibromofluoromethane	4.506	113	31670	5.181	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	10.360%#		
50) Toluene-d8	7.243	98	109577	5.062	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	10.120%#		
62) 4-Bromofluorobenzene	10.005	95	38458	4.849	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	9.700%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	33508	5.108	ug/l	99
3) Chloromethane	1.227	50	35126	5.025	ug/l	96
4) Vinyl Chloride	1.294	62	43525	5.339	ug/l	99
5) Bromomethane	1.491	94	20966	5.118	ug/l	99
6) Chloroethane	1.558	64	27564	5.718	ug/l	96
7) Trichlorofluoromethane	1.722	101	59642	5.082	ug/l	97
8) Diethyl Ether	1.918	74	22521	5.059	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.079	101	35324	4.997	ug/l	95
10) Methyl Iodide	2.195	142	21333	8.070	ug/l	99
11) Tert butyl alcohol	2.568	59	27542	21.715	ug/l #	87
12) 1,1-Dichloroethene	2.079	96	35061	5.180	ug/l	98
13) Acrolein	2.008	56	31325	54.702	ug/l	100
14) Allyl chloride	2.355	41	57339	5.382	ug/l	99
15) Acrylonitrile	2.680	53	89921	23.773	ug/l	95
16) Acetone	2.118	43	112691	25.253	ug/l	97
17) Carbon Disulfide	2.249	76	93655	4.984	ug/l	98
18) Methyl Acetate	2.388	43	42947	4.940	ug/l	97
19) Methyl tert-butyl Ether	2.709	73	95116	4.769	ug/l	100
20) Methylene Chloride	2.455	84	35618	4.888	ug/l	93
21) trans-1,2-Dichloroethene	2.703	96	33301	4.909	ug/l	92
22) Diisopropyl ether	3.211	45	89398	4.611	ug/l #	31
23) Vinyl Acetate	3.195	43	367274	23.103	ug/l	98
24) 1,1-Dichloroethane	3.117	63	60684	4.996	ug/l	99
25) 2-Butanone	3.883	43	105673	21.526	ug/l	98
26) 2,2-Dichloropropane	3.809	77	51396	4.923	ug/l	99
27) cis-1,2-Dichloroethene	3.828	96	36940	4.913	ug/l	97
28) Bromochloromethane	4.153	49	20744	5.836	ug/l	92
29) Tetrahydrofuran	4.246	42	74323m	24.567	ug/l	
30) Chloroform	4.281	83	64018	5.067	ug/l	96
31) Cyclohexane	4.587	56	57906	5.391	ug/l #	81
32) 1,1,1-Trichloroethane	4.513	97	56552	5.086	ug/l	97
36) 1,1-Dichloropropene	4.751	75	35750	4.351	ug/l	95
37) Ethyl Acetate	3.995	43	49777m	5.162	ug/l	
38) Carbon Tetrachloride	4.735	117	49292	5.010	ug/l	98
39) Methylcyclohexane	6.043	83	47791	4.531	ug/l	90
40) Benzene	5.014	78	127403	4.852	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.191	41	11799	4.057	ug/l #	80
42) 1,2-Dichloroethane	5.050	62	43250	4.724	ug/l	96
43) Isopropyl Acetate	5.204	43	59126	4.308	ug/l	99
44) Trichloroethene	5.844	130	33388	5.064	ug/l	95
45) 1,2-Dichloropropane	6.095	63	30570	4.580	ug/l	100
46) Dibromomethane	6.236	93	24151	4.771	ug/l	96
47) Bromodichloromethane	6.432	83	50542	4.846	ug/l	95
48) Methyl methacrylate	6.313	41	31814m	4.750	ug/l	
49) 1,4-Dioxane	6.307	88	11437m	100.902	ug/l	
51) 4-Methyl-2-Pentanone	7.149	43	210821	21.656	ug/l	98
52) Toluene	7.313	92	78804	4.706	ug/l	99
53) t-1,3-Dichloropropene	7.584	75	45929	4.587	ug/l	96
54) cis-1,3-Dichloropropene	6.957	75	49811	4.631	ug/l	98
55) 1,1,2-Trichloroethane	7.764	97	34019	4.869	ug/l	97
56) Ethyl methacrylate	7.725	69	37386	4.034	ug/l	98
57) 1,3-Dichloropropane	7.940	76	54927	4.870	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.818	63	77483	20.601	ug/l	99
59) 2-Hexanone	8.069	43	145234	20.169	ug/l	98
60) Dibromochloromethane	8.169	129	38320	4.741	ug/l	100
61) 1,2-Dibromoethane	8.278	107	33724	4.677	ug/l	98
64) Tetrachloroethene	7.902	164	27588	4.902	ug/l	96
65) Chlorobenzene	8.809	112	94431	4.985	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.899	131	32659	4.938	ug/l	98
67) Ethyl Benzene	8.940	91	136595	4.557	ug/l	98
68) m/p-Xylenes	9.066	106	101356	8.795	ug/l	98
69) o-Xylene	9.471	106	48635	4.609	ug/l	99
70) Styrene	9.493	104	80510	4.331	ug/l	98
71) Bromoform	9.657	173	25962	4.854	ug/l #	97
73) Isopropylbenzene	9.857	105	128418	4.602	ug/l	99
74) N-amyl acetate	9.731	43	45411	3.960	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.169	83	54975	5.001	ug/l	98
76) 1,2,3-Trichloropropane	10.201	75	41220m	5.274	ug/l	
77) Bromobenzene	10.149	156	34275	4.958	ug/l	94
78) n-propylbenzene	10.278	91	146989	4.463	ug/l	97
79) 2-Chlorotoluene	10.352	91	93119	4.588	ug/l	96
80) 1,3,5-Trimethylbenzene	10.468	105	103040	4.500	ug/l	96
81) trans-1,4-Dichloro-2-b...	9.937	75	15375	4.326	ug/l	95
82) 4-Chlorotoluene	10.468	91	107387	4.651	ug/l	99
83) tert-Butylbenzene	10.789	119	111489	4.786	ug/l	97
84) 1,2,4-Trimethylbenzene	10.844	105	98770	4.408	ug/l	100
85) sec-Butylbenzene	11.014	105	139656	4.558	ug/l	99
86) p-Isopropyltoluene	11.169	119	119168	4.665	ug/l	99
87) 1,3-Dichlorobenzene	11.111	146	67862	4.911	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	74392	4.997	ug/l	97
89) n-Butylbenzene	11.583	91	109434	4.441	ug/l	99
90) Hexachloroethane	11.821	117	28311	4.961	ug/l	92
91) 1,2-Dichlorobenzene	11.574	146	67495	5.036	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.358	75	11436	4.790	ug/l	97
93) 1,2,4-Trichlorobenzene	13.191	180	34662	4.463	ug/l	95
94) Hexachlorobutadiene	13.371	225	18458	5.083	ug/l	96
95) Naphthalene	13.429	128	109369	4.061	ug/l	100
96) 1,2,3-Trichlorobenzene	13.670	180	35601	4.524	ug/l	95

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

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