

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100725\
 Data File : VV039284.D
 Acq On : 07 Oct 2025 10:25
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC010

Quant Time: Oct 08 04:40:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 04:38:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	668855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1059714	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1034430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	576425	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.947	65	101485	10.678	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	21.360%#
35) Dibromofluoromethane	4.506	113	86371	10.344	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	20.680%#
50) Toluene-d8	7.239	98	295414	10.400	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	20.800%#
62) 4-Bromofluorobenzene	10.005	95	100349	9.919	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	19.840%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	99022	11.713	ug/l	96
3) Chloromethane	1.230	50	100818	11.455	ug/l	97
4) Vinyl Chloride	1.298	62	110654	11.020	ug/l	99
5) Bromomethane	1.500	94	77797	11.941	ug/l	96
6) Chloroethane	1.561	64	69485	10.769	ug/l	99
7) Trichlorofluoromethane	1.728	101	168235	10.967	ug/l	100
8) Diethyl Ether	1.921	74	58806	10.609	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	100874	10.982	ug/l	99
10) Methyl Iodide	2.198	142	75300	9.515	ug/l	100
11) Tert butyl alcohol	2.571	59	104908	56.958	ug/l	99
12) 1,1-Dichloroethene	2.082	96	95079	10.542	ug/l	96
13) Acrolein	2.011	56	55414	46.375	ug/l	94
14) Allyl chloride	2.359	41	151839	10.621	ug/l	100
15) Acrylonitrile	2.677	53	290244	53.138	ug/l	100
16) Acetone	2.121	43	280746	55.567	ug/l	97
17) Carbon Disulfide	2.252	76	271095	10.642	ug/l	100
18) Methyl Acetate	2.381	43	139718	11.345	ug/l	97
19) Methyl tert-butyl Ether	2.716	73	290036	10.685	ug/l	99
20) Methylene Chloride	2.458	84	106777	10.928	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	100933	10.629	ug/l	94
22) Diisopropyl ether	3.220	45	281152	10.953	ug/l	92
23) Vinyl Acetate	3.191	43	1212165	53.792	ug/l	99
24) 1,1-Dichloroethane	3.117	63	184286	10.717	ug/l	99
25) 2-Butanone	3.876	43	312212	53.871	ug/l	98
26) 2,2-Dichloropropane	3.812	77	147629	10.659	ug/l	99
27) cis-1,2-Dichloroethene	3.825	96	98093	10.317	ug/l	97
28) Bromochloromethane	4.153	49	75953	10.107	ug/l	99
29) Tetrahydrofuran	4.243	42	194816	52.437	ug/l	98
30) Chloroform	4.278	83	188539	10.751	ug/l	97
31) Cyclohexane	4.584	56	134301	10.722	ug/l #	94
32) 1,1,1-Trichloroethane	4.516	97	165036	10.764	ug/l	99
36) 1,1-Dichloropropene	4.748	75	108748	10.369	ug/l	98
37) Ethyl Acetate	3.986	43	129928	10.617	ug/l #	79
38) Carbon Tetrachloride	4.735	117	141348	10.633	ug/l	99
39) Methylcyclohexane	6.047	83	119660	9.983	ug/l	94
40) Benzene	5.011	78	366088	10.879	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.166	41	46557	10.257	ug/l	93
42) 1,2-Dichloroethane	5.047	62	127973	10.835	ug/l	99
43) Isopropyl Acetate	5.201	43	176213	10.537	ug/l	96
44) Trichloroethene	5.834	130	90047	10.641	ug/l	98
45) 1,2-Dichloropropane	6.092	63	88868	10.852	ug/l	95
46) Dibromomethane	6.230	93	73826	10.786	ug/l	98
47) Bromodichloromethane	6.429	83	145721	10.805	ug/l	96
48) Methyl methacrylate	6.307	41	68523	9.202	ug/l	96
49) 1,4-Dioxane	6.297	88	27138	219.073	ug/l	91
51) 4-Methyl-2-Pentanone	7.153	43	633258	56.786	ug/l	98
52) Toluene	7.310	92	226876	11.166	ug/l	100
53) t-1,3-Dichloropropene	7.580	75	127407	10.810	ug/l	98
54) cis-1,3-Dichloropropene	6.953	75	142163	10.849	ug/l	98
55) 1,1,2-Trichloroethane	7.764	97	99879	10.886	ug/l	99
56) Ethyl methacrylate	7.719	69	103595	10.113	ug/l	98
57) 1,3-Dichloropropane	7.937	76	153896	11.115	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.815	63	245944	46.122	ug/l	100
59) 2-Hexanone	8.066	43	452813	55.309	ug/l	94
60) Dibromochloromethane	8.169	129	116696	10.878	ug/l	99
61) 1,2-Dibromoethane	8.278	107	107473	11.250	ug/l	98
64) Tetrachloroethene	7.899	164	78107	10.351	ug/l	91
65) Chlorobenzene	8.805	112	264008	10.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.899	131	99081	10.802	ug/l	99
67) Ethyl Benzene	8.937	91	372030	10.314	ug/l	99
68) m/p-Xylenes	9.063	106	309238	21.615	ug/l	97
69) o-Xylene	9.471	106	127839	10.118	ug/l	96
70) Styrene	9.487	104	231149	10.282	ug/l	98
71) Bromoform	9.657	173	77970	10.511	ug/l #	99
73) Isopropylbenzene	9.857	105	359579	10.273	ug/l	99
74) N-amyl acetate	9.728	43	137734	9.479	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.165	83	166524	10.359	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	119595	10.395	ug/l	93
77) Bromobenzene	10.143	156	103385	10.744	ug/l	98
78) n-propylbenzene	10.278	91	439318	10.344	ug/l	99
79) 2-Chlorotoluene	10.349	91	283648	10.817	ug/l	100
80) 1,3,5-Trimethylbenzene	10.468	105	310730	10.584	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.931	75	47784	10.489	ug/l	97
82) 4-Chlorotoluene	10.464	91	331140	10.987	ug/l	99
83) tert-Butylbenzene	10.789	119	291566	10.002	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	294286	10.183	ug/l	99
85) sec-Butylbenzene	11.011	105	378164	10.260	ug/l	100
86) p-Isopropyltoluene	11.169	119	329566	10.400	ug/l	98
87) 1,3-Dichlorobenzene	11.107	146	209425	10.912	ug/l	98
88) 1,4-Dichlorobenzene	11.197	146	226149	10.453	ug/l	95
89) n-Butylbenzene	11.580	91	296155	10.036	ug/l	97
90) Hexachloroethane	11.821	117	82020	10.467	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	190419	10.430	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	33178	10.038	ug/l	96
93) 1,2,4-Trichlorobenzene	13.188	180	101434	9.961	ug/l	98
94) Hexachlorobutadiene	13.368	225	53255	10.328	ug/l	99
95) Naphthalene	13.426	128	306685	9.193	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	107157	10.125	ug/l	99

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

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