

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092225\
 Data File : VV039137.D
 Acq On : 22 Sep 2025 12:26
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC010

Quant Time: Sep 24 07:21:49 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	4.597	168	501722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	837272	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	824583	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	463438	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	77610	10.688	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	21.380%#
35) Dibromofluoromethane	4.503	113	72914	10.833	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	21.660%#
50) Toluene-d8	7.240	98	195300	9.879	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	19.760%#
62) 4-Bromofluorobenzene	10.005	95	80587	9.902	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	19.800%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	85113	10.716	ug/l	99
3) Chloromethane	1.230	50	95215	11.167	ug/l	95
4) Vinyl Chloride	1.298	62	101023	11.068	ug/l	99
5) Bromomethane	1.500	94	63359	11.011	ug/l	98
6) Chloroethane	1.561	64	66412	11.087	ug/l	98
7) Trichlorofluoromethane	1.729	101	139927	10.588	ug/l	98
8) Diethyl Ether	1.918	74	50669	10.328	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	84221	10.711	ug/l	99
10) Methyl Iodide	2.198	142	77448	10.343	ug/l	98
11) Tert butyl alcohol	2.568	59	84609	55.130	ug/l	99
12) 1,1-Dichloroethene	2.082	96	80704	10.669	ug/l	97
13) Acrolein	2.015	56	13557	50.908	ug/l #	80
14) Allyl chloride	2.359	41	139249	10.305	ug/l	98
15) Acrylonitrile	2.674	53	254235	51.676	ug/l	99
16) Acetone	2.121	43	269573	53.773	ug/l	99
17) Carbon Disulfide	2.253	76	246125	10.639	ug/l	99
18) Methyl Acetate	2.381	43	115005	10.689	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	255535	10.601	ug/l	99
20) Methylene Chloride	2.455	84	93350	10.106	ug/l	99
21) trans-1,2-Dichloroethene	2.703	96	84891	10.541	ug/l	95
22) Diisopropyl ether	3.214	45	276604	10.699	ug/l #	68
23) Vinyl Acetate	3.191	43	1200618	53.087	ug/l	100
24) 1,1-Dichloroethane	3.118	63	167496	10.594	ug/l	100
25) 2-Butanone	3.873	43	303016	53.015	ug/l	100
26) 2,2-Dichloropropane	3.809	77	136919	9.806	ug/l	100
27) cis-1,2-Dichloroethene	3.822	96	91069	10.254	ug/l	99
28) Bromochloromethane	4.146	49	83889	12.019	ug/l	98
29) Tetrahydrofuran	4.240	42	188818	51.879	ug/l	96
30) Chloroform	4.278	83	175847	10.652	ug/l	97
31) Cyclohexane	4.584	56	132996	10.269	ug/l	96
32) 1,1,1-Trichloroethane	4.513	97	156733	10.966	ug/l	96
36) 1,1-Dichloropropene	4.744	75	104420	10.187	ug/l	99
37) Ethyl Acetate	3.982	43	119710	9.520	ug/l #	91
38) Carbon Tetrachloride	4.732	117	124321	10.069	ug/l	98
39) Methylcyclohexane	6.043	83	117354	9.549	ug/l	94
40) Benzene	5.008	78	347728	10.493	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.169	41	45674	9.764	ug/l	90
42) 1,2-Dichloroethane	5.043	62	121437	10.458	ug/l	100
43) Isopropyl Acetate	5.195	43	172880	9.980	ug/l	97
44) Trichloroethene	5.834	130	78943	10.324	ug/l	93
45) 1,2-Dichloropropane	6.092	63	85295	10.355	ug/l	99
46) Dibromomethane	6.230	93	65717	10.424	ug/l	98
47) Bromodichloromethane	6.426	83	139261	10.685	ug/l	97
48) Methyl methacrylate	6.304	41	68465	8.639	ug/l	97
49) 1,4-Dioxane	6.297	88	23699	190.260	ug/l	99
51) 4-Methyl-2-Pentanone	7.150	43	598702	54.051	ug/l	97
52) Toluene	7.310	92	202741	10.552	ug/l	100
53) t-1,3-Dichloropropene	7.580	75	117314	10.329	ug/l	97
54) cis-1,3-Dichloropropene	6.950	75	134529	10.729	ug/l	98
55) 1,1,2-Trichloroethane	7.764	97	89390	10.376	ug/l	98
56) Ethyl methacrylate	7.719	69	95279	9.313	ug/l	99
57) 1,3-Dichloropropane	7.934	76	144218	10.607	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.815	63	220693	46.148	ug/l	99
59) 2-Hexanone	8.066	43	422703	49.020	ug/l	93
60) Dibromochloromethane	8.169	129	101236	10.313	ug/l	97
61) 1,2-Dibromoethane	8.275	107	93182	10.576	ug/l	100
64) Tetrachloroethene	7.899	164	71811	10.397	ug/l	98
65) Chlorobenzene	8.805	112	231329	10.072	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.899	131	85678	10.324	ug/l	99
67) Ethyl Benzene	8.937	91	334394	9.618	ug/l	99
68) m/p-Xylenes	9.063	106	270452	20.155	ug/l	99
69) o-Xylene	9.468	106	115922	9.756	ug/l	96
70) Styrene	9.487	104	204368	9.382	ug/l	100
71) Bromoform	9.657	173	65302	10.074	ug/l #	98
73) Isopropylbenzene	9.857	105	330305	9.827	ug/l	99
74) N-amyl acetate	9.725	43	132108	9.853	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.165	83	148267	10.067	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	105275	9.977	ug/l	99
77) Bromobenzene	10.143	156	87828	10.071	ug/l	96
78) n-propylbenzene	10.278	91	401316	9.804	ug/l	100
79) 2-Chlorotoluene	10.349	91	255053	10.413	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	270977	9.699	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.931	75	44314	10.082	ug/l	97
82) 4-Chlorotoluene	10.464	91	292863	10.312	ug/l	100
83) tert-Butylbenzene	10.789	119	267528	9.603	ug/l	98
84) 1,2,4-Trimethylbenzene	10.841	105	256505	9.457	ug/l	99
85) sec-Butylbenzene	11.011	105	354312	9.588	ug/l	100
86) p-Isopropyltoluene	11.169	119	300032	9.755	ug/l	99
87) 1,3-Dichlorobenzene	11.108	146	178990	10.141	ug/l	98
88) 1,4-Dichlorobenzene	11.198	146	191843	9.835	ug/l	97
89) n-Butylbenzene	11.580	91	281258	9.575	ug/l	97
90) Hexachloroethane	11.821	117	74910	9.891	ug/l	96
91) 1,2-Dichlorobenzene	11.567	146	162271	9.841	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.355	75	27674	10.167	ug/l	98
93) 1,2,4-Trichlorobenzene	13.188	180	85982	9.096	ug/l	98
94) Hexachlorobutadiene	13.368	225	47413	9.653	ug/l	97
95) Naphthalene	13.426	128	267645	8.803	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	90238	9.334	ug/l	100

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

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