

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV080825\
 Data File : VV038928.D
 Acq On : 08 Aug 2025 10:59
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 11 05:04:49 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	4.596	168	506701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	795283	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	766385	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	457645	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	133639	18.339	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	36.680%#
35) Dibromofluoromethane	4.503	113	113602	18.829	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	37.660%#
50) Toluene-d8	7.236	98	404517	19.359	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	38.720%#
62) 4-Bromofluorobenzene	10.001	95	143700	19.095	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	38.200%#

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	71670	21.023	ug/l	98
3) Chloromethane	1.230	50	63972	19.667	ug/l	98
4) Vinyl Chloride	1.294	62	82217	20.570	ug/l	98
5) Bromomethane	1.497	94	67115	21.421	ug/l	97
6) Chloroethane	1.561	64	57461	19.987	ug/l	94
7) Trichlorofluoromethane	1.725	101	164706	20.809	ug/l	97
8) Diethyl Ether	1.918	74	58835	19.933	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.079	101	103238	20.417	ug/l	97
10) Methyl Iodide	2.195	142	97355	19.294	ug/l	100
11) Tert butyl alcohol	2.568	59	123836	100.482	ug/l	98
12) 1,1-Dichloroethene	2.082	96	83136	19.839	ug/l	97
13) Acrolein	2.008	56	79457	92.845	ug/l	97
14) Allyl chloride	2.359	41	145486	19.853	ug/l	97
15) Acrylonitrile	2.674	53	319144	98.088	ug/l	99
16) Acetone	2.117	43	247925	94.782	ug/l	100
17) Carbon Disulfide	2.252	76	139643	20.636	ug/l	99
18) Methyl Acetate	2.378	43	217300	20.793	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	336138	19.495	ug/l	100
20) Methylene Chloride	2.455	84	106666	20.749	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	88979	19.536	ug/l	98
22) Diisopropyl ether	3.217	45	304331	20.536	ug/l	99
23) Vinyl Acetate	3.191	43	1086724	98.717	ug/l	100
24) 1,1-Dichloroethane	3.117	63	193969	20.409	ug/l	99
25) 2-Butanone	3.867	43	345802	104.015	ug/l	100
26) 2,2-Dichloropropane	3.809	77	170080	20.197	ug/l	98
27) cis-1,2-Dichloroethene	3.821	96	109099	19.881	ug/l	99
28) Bromochloromethane	4.146	49	55983	19.580	ug/l	100
29) Tetrahydrofuran	4.239	42	218244	98.882	ug/l	99
30) Chloroform	4.278	83	209703	20.278	ug/l	100
31) Cyclohexane	4.584	56	115776	19.777	ug/l	97
32) 1,1,1-Trichloroethane	4.513	97	182785	20.551	ug/l	100
36) 1,1-Dichloropropene	4.744	75	110739	20.813	ug/l	99
37) Ethyl Acetate	3.979	43	124830	17.863	ug/l	98
38) Carbon Tetrachloride	4.735	117	152640	21.493	ug/l	99
39) Methylcyclohexane	6.047	83	119478	20.522	ug/l	98
40) Benzene	5.011	78	379504	21.440	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.162	41	62586	21.821	ug/l	96
42) 1,2-Dichloroethane	5.040	62	146615	21.319	ug/l	100
43) Isopropyl Acetate	5.194	43	198822	20.150	ug/l	99
44) Trichloroethene	5.834	130	97813	21.000	ug/l	91
45) 1,2-Dichloropropane	6.088	63	101605	21.227	ug/l	100
46) Dibromomethane	6.230	93	79715	21.784	ug/l	96
47) Bromodichloromethane	6.426	83	171914	21.146	ug/l	98
48) Methyl methacrylate	6.301	41	85594	20.334	ug/l	96
49) 1,4-Dioxane	6.288	88	34760	372.357	ug/l	97
51) 4-Methyl-2-Pentanone	7.149	43	761779	111.380	ug/l	100
52) Toluene	7.310	92	248576	22.243	ug/l	97
53) t-1,3-Dichloropropene	7.577	75	153589	21.595	ug/l	99
54) cis-1,3-Dichloropropene	6.950	75	166954	21.502	ug/l	99
55) 1,1,2-Trichloroethane	7.763	97	115713	21.159	ug/l	98
56) Ethyl methacrylate	7.718	69	139922	19.556	ug/l	99
57) 1,3-Dichloropropane	7.937	76	178518	21.340	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.812	63	333679	103.985	ug/l	98
59) 2-Hexanone	8.066	43	554812	112.382	ug/l	100
60) Dibromochloromethane	8.169	129	143159	21.378	ug/l	98
61) 1,2-Dibromoethane	8.275	107	118293	21.790	ug/l	99
64) Tetrachloroethene	7.899	164	90926	20.215	ug/l	98
65) Chlorobenzene	8.805	112	303335	20.247	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	119781	20.327	ug/l	99
67) Ethyl Benzene	8.937	91	462109	21.000	ug/l	98
68) m/p-Xylenes	9.062	106	371423	43.797	ug/l	99
69) o-Xylene	9.468	106	166804	20.917	ug/l	99
70) Styrene	9.487	104	312142	21.741	ug/l	99
71) Bromoform	9.654	173	101962	20.591	ug/l	100
73) Isopropylbenzene	9.857	105	489765	20.503	ug/l	99
74) N-amyl acetate	9.725	43	167913	20.003	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	197792	19.366	ug/l	98
76) 1,2,3-Trichloropropane	10.197	75	149032	19.917	ug/l	96
77) Bromobenzene	10.143	156	130479	20.348	ug/l	96
78) n-propylbenzene	10.278	91	590846	20.967	ug/l	99
79) 2-Chlorotoluene	10.349	91	360084	20.819	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	428459	21.259	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.931	75	60226	20.166	ug/l	95
82) 4-Chlorotoluene	10.464	91	428204	21.168	ug/l	100
83) tert-Butylbenzene	10.789	119	423236	19.713	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	422548	21.125	ug/l	99
85) sec-Butylbenzene	11.014	105	557711	20.558	ug/l	100
86) p-Isopropyltoluene	11.168	119	484665	20.508	ug/l	100
87) 1,3-Dichlorobenzene	11.107	146	268721	20.048	ug/l	100
88) 1,4-Dichlorobenzene	11.197	146	285438	19.554	ug/l	98
89) n-Butylbenzene	11.580	91	443937	20.320	ug/l	99
90) Hexachloroethane	11.821	117	108711	19.501	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	250401	19.763	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	42369	18.941	ug/l	97
93) 1,2,4-Trichlorobenzene	13.184	180	155578	19.468	ug/l	100
94) Hexachlorobutadiene	13.371	225	80418	19.044	ug/l	98
95) Naphthalene	13.426	128	470095	18.747	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	156704	19.161	ug/l	99

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

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