

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080825\
 Data File : VX047263.D
 Acq On : 08 Aug 2025 11:04
 Operator : JC/MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDC0050

Quant Time: Aug 11 01:55:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	231247	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	404873	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	364546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	177002	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	152665	52.998	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.000%
35) Dibromofluoromethane	5.391	113	130713	52.289	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.580%
50) Toluene-d8	8.647	98	365195	45.110	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.220%#
62) 4-Bromofluorobenzene	11.079	95	175814	50.394	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.780%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	154294	50.233	ug/l	98
3) Chloromethane	1.307	50	136156	44.813	ug/l	99
4) Vinyl Chloride	1.392	62	164247	50.289	ug/l	99
5) Bromomethane	1.624	94	71911	40.533	ug/l	95
6) Chloroethane	1.703	64	92423	43.086	ug/l	99
7) Trichlorofluoromethane	1.904	101	232408	47.721	ug/l	97
8) Diethyl Ether	2.142	74	91672	53.386	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	137841	46.978	ug/l	99
10) Methyl Iodide	2.465	142	228091	76.275	ug/l	98
11) Tert butyl alcohol	2.959	59	92358	275.312	ug/l #	84
12) 1,1-Dichloroethene	2.337	96	138506	47.660	ug/l	96
13) Acrolein	2.245	56	153095	246.829	ug/l	100
14) Allyl chloride	2.678	41	244065	46.460	ug/l	94
15) Acrylonitrile	3.075	53	360302	262.259	ug/l	100
16) Acetone	2.386	43	297586	257.878	ug/l	99
17) Carbon Disulfide	2.526	76	400921	47.687	ug/l	99
18) Methyl Acetate	2.709	43	174494	56.900	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	490729	55.484	ug/l	99
20) Methylene Chloride	2.800	84	162173	51.083	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	149125	50.145	ug/l	96
22) Diisopropyl ether	3.763	45	539008	53.368	ug/l	95
23) Vinyl Acetate	3.727	43	2263579	279.430	ug/l	100
24) 1,1-Dichloroethane	3.617	63	281839	50.183	ug/l	100
25) 2-Butanone	4.562	43	432527	257.412	ug/l	98
26) 2,2-Dichloropropane	4.489	77	205742	47.324	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	183158	52.011	ug/l	97
28) Bromochloromethane	4.904	49	133256	51.573	ug/l	98
29) Tetrahydrofuran	5.019	42	276863	255.374	ug/l	99
30) Chloroform	5.099	83	291249	50.945	ug/l	99
31) Cyclohexane	5.477	56	239879	44.545	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	242222	48.780	ug/l	98
36) 1,1-Dichloropropene	5.702	75	188588	44.257	ug/l	99
37) Ethyl Acetate	4.715	43	202555	51.587	ug/l	99
38) Carbon Tetrachloride	5.684	117	206875	45.487	ug/l	100
39) Methylcyclohexane	7.385	83	236926	44.533	ug/l	96
40) Benzene	6.044	78	599757	48.635	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	93566	45.575	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	223998	51.565	ug/l	99
43) Isopropyl Acetate	6.342	43	326436	53.328	ug/l	99
44) Trichloroethene	7.129	130	150146	47.480	ug/l	99
45) 1,2-Dichloropropane	7.434	63	153258	49.621	ug/l	96
46) Dibromomethane	7.580	93	115987	53.551	ug/l	99
47) Bromodichloromethane	7.818	83	238350	51.701	ug/l	100
48) Methyl methacrylate	7.696	41	168665	50.579	ug/l	99
49) 1,4-Dioxane	7.732	88	33177m	874.753	ug/l	
51) 4-Methyl-2-Pentanone	8.574	43	920319	252.947	ug/l	99
52) Toluene	8.720	92	368712	48.626	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	225767	51.860	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	246252	51.683	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	147145	51.745	ug/l	98
56) Ethyl methacrylate	9.116	69	227558	54.054	ug/l	100
57) 1,3-Dichloropropane	9.305	76	254703	51.537	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	578974	247.148	ug/l	100
59) 2-Hexanone	9.427	43	617131	256.730	ug/l	99
60) Dibromochloromethane	9.519	129	178055	53.388	ug/l	100
61) 1,2-Dibromoethane	9.610	107	151437	50.930	ug/l	98
64) Tetrachloroethene	9.275	164	118324	45.025	ug/l	98
65) Chlorobenzene	10.079	112	409612	47.963	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	144886	50.390	ug/l	99
67) Ethyl Benzene	10.189	91	707124	47.356	ug/l	100
68) m/p-Xylenes	10.299	106	526829	94.281	ug/l	100
69) o-Xylene	10.640	106	256952	48.337	ug/l	99
70) Styrene	10.652	104	455538	49.975	ug/l	99
71) Bromoform	10.799	173	111372	50.992	ug/l #	99
73) Isopropylbenzene	10.957	105	658316	47.143	ug/l	99
74) N-amyl acetate	10.841	43	277128	49.185	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	199045	49.900	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	166853m	50.928	ug/l	
77) Bromobenzene	11.195	156	165609	49.444	ug/l	99
78) n-propylbenzene	11.299	91	780436	46.768	ug/l	99
79) 2-Chlorotoluene	11.360	91	474112	47.530	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	545300	47.267	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	43870	34.499	ug/l	98
82) 4-Chlorotoluene	11.451	91	554152	47.595	ug/l	100
83) tert-Butylbenzene	11.713	119	551319	47.613	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	554881	48.221	ug/l	100
85) sec-Butylbenzene	11.890	105	669009	46.241	ug/l	100
86) p-Isopropyltoluene	12.006	119	565570	47.139	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	303368	47.668	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	302789	46.961	ug/l	98
89) n-Butylbenzene	12.329	91	527023	46.840	ug/l	99
90) Hexachloroethane	12.536	117	102837	47.912	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	288861	47.490	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39433	51.501	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	191541	47.662	ug/l	99
94) Hexachlorobutadiene	13.725	225	67223	49.185	ug/l	98
95) Naphthalene	13.774	128	603234	51.203	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	186271	48.112	ug/l	99

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

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