

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048701.D
 Acq On : 03 Dec 2025 13:26
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX120325

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/04/2025
 Supervised By : Semsettin Yesilyurt 12/04/2025

Quant Time: Dec 04 02:28:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 02:13:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	191725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	320925	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	257048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	127715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	115493	44.617	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.240%		
35) Dibromofluoromethane	5.361	113	100337	45.870	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.740%		
50) Toluene-d8	8.628	98	338619	45.142	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.280%#		
62) 4-Bromofluorobenzene	11.061	95	102408	37.201	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	74.400%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	103406	46.792	ug/l	100
3) Chloromethane	1.301	50	112275	52.124	ug/l	99
4) Vinyl Chloride	1.380	62	113573	48.124	ug/l	100
5) Bromomethane	1.611	94	81641	52.066	ug/l	100
6) Chloroethane	1.691	64	68737	49.185	ug/l	98
7) Trichlorofluoromethane	1.892	101	163551	47.694	ug/l	98
8) Diethyl Ether	2.130	74	66243	54.251	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.331	101	89967	44.024	ug/l	98
10) Methyl Iodide	2.453	142	153176	52.029	ug/l	98
11) Tert butyl alcohol	2.934	59	108041	275.960	ug/l	99
12) 1,1-Dichloroethene	2.319	96	93379	45.962	ug/l	90
13) Acrolein	2.233	56	64228	303.360	ug/l	100
14) Allyl chloride	2.660	41	175115	45.547	ug/l	96
15) Acrylonitrile	3.050	53	327540	263.192	ug/l	99
16) Acetone	2.367	43	197525	233.482	ug/l	99
17) Carbon Disulfide	2.514	76	285157	46.078	ug/l	100
18) Methyl Acetate	2.691	43	134469	47.989	ug/l	98
19) Methyl tert-butyl Ether	3.099	73	367623	53.101	ug/l	96
20) Methylene Chloride	2.782	84	115007	48.702	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	110522	52.708	ug/l	93
22) Diisopropyl ether	3.739	45	364466	52.935	ug/l	87
23) Vinyl Acetate	3.703	43	1631414	272.583	ug/l	99
24) 1,1-Dichloroethane	3.599	63	198520	50.634	ug/l	99
25) 2-Butanone	4.526	43	351175	238.377	ug/l	97
26) 2,2-Dichloropropane	4.458	77	158029	43.692	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	123964	47.159	ug/l	94
28) Bromochloromethane	4.873	49	80863	42.956	ug/l	85
29) Tetrahydrofuran	4.971	42	260309	232.008	ug/l	95
30) Chloroform	5.068	83	200499	48.274	ug/l	96
31) Cyclohexane	5.446	56	149344	44.711	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	171047	45.801	ug/l	97
36) 1,1-Dichloropropene	5.672	75	130036	43.996	ug/l	98
37) Ethyl Acetate	4.684	43	178271	47.510	ug/l	98
38) Carbon Tetrachloride	5.660	117	150527	44.318	ug/l	98
39) Methylcyclohexane	7.360	83	157995	45.927	ug/l	97
40) Benzene	6.013	78	426648	49.111	ug/l	100

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41) Methacrylonitrile	4.891	41	76100	44.806	ug/l	95
42) 1,2-Dichloroethane	6.062	62	147938	47.424	ug/l	99
43) Isopropyl Acetate	6.312	43	271133	51.454	ug/l	99
44) Trichloroethene	7.104	130	113924	49.812	ug/l	100
45) 1,2-Dichloropropane	7.409	63	106305	50.066	ug/l	98
46) Dibromomethane	7.562	93	80738	49.425	ug/l	96
47) Bromodichloromethane	7.799	83	163471	48.813	ug/l	97
48) Methyl methacrylate	7.671	41	139444	55.388	ug/l	95
49) 1,4-Dioxane	7.641	88	39146	1268.652	ug/l	97
51) 4-Methyl-2-Pentanone	8.549	43	891241	268.340	ug/l	96
52) Toluene	8.702	92	259798	48.729	ug/l	98
53) t-1,3-Dichloropropene	8.958	75	173653	52.090	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	181257	51.264	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	103718	49.070	ug/l	99
56) Ethyl methacrylate	9.098	69	178808	52.792	ug/l	90
57) 1,3-Dichloropropane	9.287	76	175366	49.313	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	475687	273.813	ug/l	96
59) 2-Hexanone	9.409	43	643476	270.016	ug/l	96
60) Dibromochloromethane	9.500	129	128127	48.601	ug/l	99
61) 1,2-Dibromoethane	9.592	107	111734	47.811	ug/l	99
64) Tetrachloroethene	9.256	164	85054	48.184	ug/l	96
65) Chlorobenzene	10.061	112	277907	51.036	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.140	131	98043	51.753	ug/l	100
67) Ethyl Benzene	10.177	91	466165	52.111	ug/l	97
68) m/p-Xylenes	10.281	106	349988	101.565	ug/l	98
69) o-Xylene	10.622	106	145591	43.854	ug/l	95
70) Styrene	10.634	104	251770	45.120	ug/l	97
71) Bromoform	10.781	173	76726	44.464	ug/l #	99
73) Isopropylbenzene	10.945	105	387084	45.348	ug/l	99
74) N-amyl acetate	10.823	43	209606	54.393	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.195	83	134010	45.854	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	115221m	44.900	ug/l	
77) Bromobenzene	11.177	156	102068	44.369	ug/l	94
78) n-propylbenzene	11.287	91	445195	44.540	ug/l	98
79) 2-Chlorotoluene	11.348	91	319453	52.587	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	366363	52.473	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	49166	49.276	ug/l #	90
82) 4-Chlorotoluene	11.433	91	379731	53.745	ug/l	97
83) tert-Butylbenzene	11.695	119	361874	49.967	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	372759	53.595	ug/l	99
85) sec-Butylbenzene	11.872	105	438009	49.964	ug/l	98
86) p-Isopropyltoluene	11.988	119	375093	51.794	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	207782	49.628	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	208385	48.763	ug/l	99
89) n-Butylbenzene	12.311	91	337534	49.483	ug/l	99
90) Hexachloroethane	12.518	117	69720	47.823	ug/l	91
91) 1,2-Dichlorobenzene	12.317	146	194803	49.967	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	30746	46.289	ug/l	90
93) 1,2,4-Trichlorobenzene	13.567	180	125918	50.731	ug/l	98
94) Hexachlorobutadiene	13.707	225	48226	46.664	ug/l	100
95) Naphthalene	13.756	128	423526	55.905	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	105309	45.964	ug/l	98

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

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