

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110725\
 Data File : VX048525.D
 Acq On : 07 Nov 2025 16:50
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX110725

Quant Time: Nov 08 05:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:01:56 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/10/2025
 Supervised By : Semsettin Yesilyurt 11/10/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	175429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	300694	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261891	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	125725	51.433	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.860%			
35) Dibromofluoromethane	5.373	113	104074	45.730	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.460%			
50) Toluene-d8	8.635	98	360437	50.780	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.560%			
62) 4-Bromofluorobenzene	11.061	95	134490	50.843	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	79523	55.942	ug/l	99
3) Chloromethane	1.301	50	100103	53.094	ug/l	100
4) Vinyl Chloride	1.380	62	105708	49.519	ug/l	96
5) Bromomethane	1.611	94	74133	54.997	ug/l	97
6) Chloroethane	1.691	64	66991	47.919	ug/l	100
7) Trichlorofluoromethane	1.892	101	163901	48.532	ug/l	98
8) Diethyl Ether	2.136	74	68302	50.384	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	97010	49.618	ug/l	99
10) Methyl Iodide	2.453	142	148327	51.263	ug/l	99
11) Tert butyl alcohol	2.941	59	119049	257.016	ug/l	98
12) 1,1-Dichloroethene	2.325	96	96593	47.299	ug/l	95
13) Acrolein	2.239	56	17055	254.482	ug/l	98
14) Allyl chloride	2.666	41	180497	47.471	ug/l	99
15) Acrylonitrile	3.056	53	339497	251.074	ug/l	99
16) Acetone	2.374	43	289425	250.130	ug/l	98
17) Carbon Disulfide	2.514	76	263284	45.815	ug/l	100
18) Methyl Acetate	2.697	43	151597	47.674	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	366166	50.775	ug/l	100
20) Methylene Chloride	2.788	84	112574	47.322	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	104272	48.175	ug/l	97
22) Diisopropyl ether	3.751	45	365126	50.011	ug/l	98
23) Vinyl Acetate	3.715	43	1623158	253.844	ug/l	99
24) 1,1-Dichloroethane	3.605	63	193671	48.344	ug/l	99
25) 2-Butanone	4.538	43	453513	264.945	ug/l	97
26) 2,2-Dichloropropane	4.465	77	162290	47.519	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	129253	48.854	ug/l	98
28) Bromochloromethane	4.885	49	97361	49.472	ug/l	98
29) Tetrahydrofuran	4.989	42	307563	251.928	ug/l	99
30) Chloroform	5.080	83	203402	49.181	ug/l	99
31) Cyclohexane	5.464	56	166346	50.678	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	177144	49.079	ug/l	100
36) 1,1-Dichloropropene	5.678	75	136129	44.670	ug/l	98
37) Ethyl Acetate	4.696	43	206366	48.107	ug/l	98
38) Carbon Tetrachloride	5.666	117	153372	44.212	ug/l	97
39) Methylcyclohexane	7.367	83	168487	49.240	ug/l	98
40) Benzene	6.025	78	428574	45.369	ug/l	99

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41) Methacrylonitrile	4.904	41	96023	50.900	ug/l	95
42) 1,2-Dichloroethane	6.074	62	149489	46.187	ug/l	99
43) Isopropyl Acetate	6.324	43	292708	48.542	ug/l	99
44) Trichloroethene	7.111	130	108399	48.007	ug/l	95
45) 1,2-Dichloropropane	7.415	63	109605	50.462	ug/l	97
46) Dibromomethane	7.568	93	81296	51.317	ug/l	97
47) Bromodichloromethane	7.806	83	164733	52.124	ug/l	99
48) Methyl methacrylate	7.677	41	141804	52.901	ug/l	99
49) 1,4-Dioxane	7.647	88	43542	1066.027	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	943143	274.770	ug/l	99
52) Toluene	8.702	92	263658	53.014	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	172732	53.042	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	183768	54.498	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	109093	54.903	ug/l	98
56) Ethyl methacrylate	9.098	69	186912	56.539	ug/l	98
57) 1,3-Dichloropropane	9.293	76	182103	52.652	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	533039	299.907	ug/l	100
59) 2-Hexanone	9.415	43	708416	277.453	ug/l	99
60) Dibromochloromethane	9.506	129	130424	53.460	ug/l	100
61) 1,2-Dibromoethane	9.592	107	115352	53.598	ug/l	99
64) Tetrachloroethene	9.256	164	91541	48.124	ug/l	96
65) Chlorobenzene	10.061	112	292507	47.057	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	103725	49.801	ug/l	99
67) Ethyl Benzene	10.177	91	505794	48.456	ug/l	97
68) m/p-Xylenes	10.287	106	391090	99.482	ug/l	98
69) o-Xylene	10.622	106	190122	49.430	ug/l	98
70) Styrene	10.640	104	318495	49.362	ug/l	99
71) Bromoform	10.781	173	92512	48.145	ug/l #	100
73) Isopropylbenzene	10.945	105	479112	49.403	ug/l	99
74) N-amyl acetate	10.823	43	244571	50.225	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	167085	48.855	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	133852m	41.585	ug/l	
77) Bromobenzene	11.183	156	120400	48.079	ug/l	98
78) n-propylbenzene	11.287	91	560609	49.162	ug/l	100
79) 2-Chlorotoluene	11.348	91	336034	48.767	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	396355	50.134	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	57267	50.890	ug/l	96
82) 4-Chlorotoluene	11.433	91	396344	49.035	ug/l	100
83) tert-Butylbenzene	11.695	119	406392	49.698	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	399935	50.137	ug/l	99
85) sec-Butylbenzene	11.872	105	498225	49.297	ug/l	99
86) p-Isopropyltoluene	11.988	119	419888	49.417	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	223034	47.519	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	225606	46.536	ug/l	99
89) n-Butylbenzene	12.311	91	390447	48.984	ug/l	100
90) Hexachloroethane	12.518	117	78393	48.425	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	216201	47.984	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	40188	50.566	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	148227	49.507	ug/l	99
94) Hexachlorobutadiene	13.707	225	58865	47.031	ug/l	99
95) Naphthalene	13.756	128	506116	52.576	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	140560	50.471	ug/l	100

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

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