

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101725\
 Data File : VX048205.D
 Acq On : 17 Oct 2025 12:05
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ICVVX101725

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/20/2025
 Supervised By : Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 00:11:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 18 00:06:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	156355	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	244720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	219005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	106969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.933	65	103755	42.834	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.660%		
35) Dibromofluoromethane	5.367	113	89936	52.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.900%		
50) Toluene-d8	8.628	98	310880	50.808	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.620%		
62) 4-Bromofluorobenzene	11.061	95	113751	51.042	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.080%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	73686	44.902	ug/l	98
3) Chloromethane	1.300	50	88801	44.667	ug/l	100
4) Vinyl Chloride	1.379	62	98235	46.893	ug/l	98
5) Bromomethane	1.617	94	65405	46.950	ug/l	99
6) Chloroethane	1.696	64	59980	44.992	ug/l	96
7) Trichlorofluoromethane	1.892	101	149479	45.460	ug/l	98
8) Diethyl Ether	2.135	74	50265	44.816	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.330	101	86497	46.681	ug/l	98
10) Methyl Iodide	2.452	142	104943	47.285	ug/l	99
11) Tert butyl alcohol	2.934	59	36729	228.526	ug/l	99
12) 1,1-Dichloroethene	2.324	96	86671	47.837	ug/l	89
13) Acrolein	2.233	56	65766m	194.704	ug/l	
14) Allyl chloride	2.660	41	150638	46.221	ug/l	99
15) Acrylonitrile	3.050	53	183048	237.679	ug/l	100
16) Acetone	2.367	43	181655	219.841	ug/l	98
17) Carbon Disulfide	2.513	76	249141	44.693	ug/l	100
18) Methyl Acetate	2.696	43	74357	44.181	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	260919	47.809	ug/l	99
20) Methylene Chloride	2.788	84	92616	46.010	ug/l	99
21) trans-1,2-Dichloroethene	3.086	96	86831	46.325	ug/l	93
22) Diisopropyl ether	3.745	45	302610	47.419	ug/l	99
23) Vinyl Acetate	3.708	43	1160089	243.116	ug/l	100
24) 1,1-Dichloroethane	3.599	63	165401	45.685	ug/l	100
25) 2-Butanone	4.531	43	225805	234.559	ug/l	96
26) 2,2-Dichloropropane	4.464	77	142661	46.100	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	102088	45.892	ug/l	97
28) Bromochloromethane	4.879	49	83811	50.221	ug/l	99
29) Tetrahydrofuran	4.982	42	133341	235.860	ug/l	99
30) Chloroform	5.068	83	172867	45.352	ug/l	99
31) Cyclohexane	5.458	56	149730	50.544	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	153064	48.873	ug/l	99
36) 1,1-Dichloropropene	5.677	75	111893	46.767	ug/l	99
37) Ethyl Acetate	4.690	43	97568	51.026	ug/l	99
38) Carbon Tetrachloride	5.659	117	128407	46.757	ug/l	99
39) Methylcyclohexane	7.360	83	140029	51.908	ug/l	97
40) Benzene	6.019	78	350574	49.346	ug/l	99

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41) Methacrylonitrile	4.891	41	54889	53.600	ug/l	99
42) 1,2-Dichloroethane	6.068	62	121006	47.540	ug/l	98
43) Isopropyl Acetate	6.318	43	167171	52.082	ug/l	99
44) Trichloroethene	7.104	130	87333	48.776	ug/l	97
45) 1,2-Dichloropropane	7.409	63	88472	49.205	ug/l	96
46) Dibromomethane	7.561	93	63357	48.973	ug/l	99
47) Bromodichloromethane	7.799	83	137123	49.041	ug/l	98
48) Methyl methacrylate	7.671	41	84299	51.305	ug/l	100
49) 1,4-Dioxane	7.641	88	16652	1125.868	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	457688	256.250	ug/l	98
52) Toluene	8.701	92	218354	51.136	ug/l	100
53) t-1,3-Dichloropropene	8.957	75	136059	51.942	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	147855	51.786	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	79039	49.609	ug/l	98
56) Ethyl methacrylate	9.098	69	117498	54.222	ug/l	100
57) 1,3-Dichloropropane	9.293	76	138231	49.659	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.220	63	316000	237.458	ug/l	100
59) 2-Hexanone	9.408	43	324396	259.657	ug/l	99
60) Dibromochloromethane	9.500	129	100115	50.202	ug/l	100
61) 1,2-Dibromoethane	9.591	107	81145	49.670	ug/l	99
64) Tetrachloroethene	9.256	164	73778	48.046	ug/l	99
65) Chlorobenzene	10.061	112	237990	49.700	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	84693	49.081	ug/l	98
67) Ethyl Benzene	10.177	91	420398	51.209	ug/l	99
68) m/p-Xylenes	10.280	106	316253	103.406	ug/l	99
69) o-Xylene	10.622	106	149640	51.976	ug/l	100
70) Styrene	10.634	104	259319	52.327	ug/l	99
71) Bromoform	10.780	173	62138	49.037	ug/l #	100
73) Isopropylbenzene	10.945	105	391926	52.678	ug/l	100
74) N-amyl acetate	10.823	43	145987	52.597	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	103361	49.039	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	81768m	50.058	ug/l	
77) Bromobenzene	11.176	156	93338	50.132	ug/l	99
78) n-propylbenzene	11.286	91	473874	52.522	ug/l	99
79) 2-Chlorotoluene	11.347	91	278351	51.064	ug/l	100
80) 1,3,5-Trimethylbenzene	11.432	105	324513	53.137	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	34576	51.831	ug/l	97
82) 4-Chlorotoluene	11.432	91	334431	52.207	ug/l	100
83) tert-Butylbenzene	11.695	119	319164	51.730	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	325437	53.516	ug/l	100
85) sec-Butylbenzene	11.871	105	395960	52.495	ug/l	99
86) p-Isopropyltoluene	11.987	119	329988	51.902	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	174040	49.985	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	176415	48.878	ug/l	99
89) n-Butylbenzene	12.316	91	312594	52.787	ug/l	100
90) Hexachloroethane	12.518	117	63664	47.442	ug/l	97
91) 1,2-Dichlorobenzene	12.316	146	163248	49.624	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	18921	49.127	ug/l	94
93) 1,2,4-Trichlorobenzene	13.566	180	101316	52.170	ug/l	100
94) Hexachlorobutadiene	13.706	225	39285	52.452	ug/l	98
95) Naphthalene	13.755	128	281261	54.943	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	95099	53.075	ug/l	100

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

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