

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082825\
 Data File : VX047552.D
 Acq On : 28 Aug 2025 16:14
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 29 02:07:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:00:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/29/2025
 Supervised By : Semsettin Yesilyurt 08/29/2025

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	198839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	355362	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	319240	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	150042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	321712	105.360	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 210.720%#			
35) Dibromofluoromethane	5.397	113	254653	104.409	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.820%#			
50) Toluene-d8	8.653	98	883189	103.309	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 206.620%#			
62) 4-Bromofluorobenzene	11.079	95	328858	102.395	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 204.780%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	215006	98.740	ug/l	96
3) Chloromethane	1.307	50	240425	101.093	ug/l	98
4) Vinyl Chloride	1.392	62	288073	103.043	ug/l	100
5) Bromomethane	1.618	94	133000	109.990	ug/l	94
6) Chloroethane	1.703	64	174851	98.440	ug/l	96
7) Trichlorofluoromethane	1.904	101	407943	102.593	ug/l	97
8) Diethyl Ether	2.148	74	169389	107.366	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	238334	100.645	ug/l	99
10) Methyl Iodide	2.471	142	465858	118.841	ug/l	98
11) Tert butyl alcohol	2.965	59	151148	538.548	ug/l	98
12) 1,1-Dichloroethene	2.337	96	260543	103.756	ug/l	96
13) Acrolein	2.252	56	297257	528.351	ug/l	98
14) Allyl chloride	2.678	41	492782	107.123	ug/l	99
15) Acrylonitrile	3.081	53	696925	554.925	ug/l	100
16) Acetone	2.392	43	601969	497.782	ug/l	99
17) Carbon Disulfide	2.526	76	754008	100.982	ug/l	99
18) Methyl Acetate	2.715	43	324782	108.935	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	895223	109.223	ug/l	99
20) Methylene Chloride	2.800	84	306098	99.471	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	281026	105.166	ug/l	97
22) Diisopropyl ether	3.770	45	990382	106.897	ug/l #	84
23) Vinyl Acetate	3.733	43	4224047	559.909	ug/l	99
24) 1,1-Dichloroethane	3.623	63	536336	104.182	ug/l	98
25) 2-Butanone	4.568	43	869840	546.561	ug/l	99
26) 2,2-Dichloropropane	4.489	77	405935	109.092	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	341485	104.886	ug/l	99
28) Bromochloromethane	4.910	49	231907	104.386	ug/l #	99
29) Tetrahydrofuran	5.019	42	540879	547.658	ug/l	99
30) Chloroform	5.105	83	542820	103.549	ug/l	97
31) Cyclohexane	5.483	56	422251	98.348	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	452709	105.996	ug/l	98
36) 1,1-Dichloropropene	5.702	75	356555	102.722	ug/l	99
37) Ethyl Acetate	4.727	43	379465	110.916	ug/l	99
38) Carbon Tetrachloride	5.690	117	381617	99.086	ug/l	100
39) Methylcyclohexane	7.385	83	408570	102.066	ug/l	99
40) Benzene	6.050	78	1137533	102.652	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	185527	114.504	ug/l	96
42) 1,2-Dichloroethane	6.092	62	408858	102.491	ug/l	99
43) Isopropyl Acetate	6.348	43	623187	113.364	ug/l	100
44) Trichloroethene	7.129	130	278984	101.609	ug/l	95
45) 1,2-Dichloropropane	7.434	63	297190	106.473	ug/l	99
46) Dibromomethane	7.586	93	215122	104.693	ug/l	99
47) Bromodichloromethane	7.824	83	437725	104.165	ug/l	99
48) Methyl methacrylate	7.696	41	326436	115.436	ug/l	99
49) 1,4-Dioxane	7.671	88	64873	2319.068	ug/l #	77
51) 4-Methyl-2-Pentanone	8.574	43	1790905	551.380	ug/l	99
52) Toluene	8.720	92	696997	103.209	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	424485	112.125	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	462107	110.161	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	273495	103.812	ug/l	98
56) Ethyl methacrylate	9.116	69	446375	114.456	ug/l	100
57) 1,3-Dichloropropane	9.311	76	471714	103.418	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	1053546	494.457	ug/l	100
59) 2-Hexanone	9.433	43	1232265	555.359	ug/l	99
60) Dibromochloromethane	9.519	129	327207	103.966	ug/l	99
61) 1,2-Dibromoethane	9.610	107	287140	107.100	ug/l	99
64) Tetrachloroethene	9.275	164	220100	102.911	ug/l	96
65) Chlorobenzene	10.080	112	776149	103.857	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	276728	109.198	ug/l	99
67) Ethyl Benzene	10.195	91	1338828	106.611	ug/l	99
68) m/p-Xylenes	10.299	106	998582	214.089	ug/l	99
69) o-Xylene	10.640	106	487045	108.395	ug/l	100
70) Styrene	10.653	104	856328	109.835	ug/l	100
71) Bromoform	10.799	173	213049	110.407	ug/l #	99
73) Isopropylbenzene	10.964	105	1218962	110.406	ug/l	99
74) N-amyl acetate	10.842	43	550426	120.725	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	382279	109.533	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	311389m	113.550	ug/l	
77) Bromobenzene	11.195	156	308381	109.184	ug/l	96
78) n-propylbenzene	11.305	91	1447626	110.128	ug/l	100
79) 2-Chlorotoluene	11.360	91	880716	108.037	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	1006412	111.485	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	76124	100.715	ug/l	96
82) 4-Chlorotoluene	11.451	91	1026804	107.348	ug/l	99
83) tert-Butylbenzene	11.713	119	1010994	111.097	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	1024567	111.344	ug/l	100
85) sec-Butylbenzene	11.890	105	1197848	109.395	ug/l	100
86) p-Isopropyltoluene	12.006	119	1006017	109.604	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	562107	106.747	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	570339	104.901	ug/l	100
89) n-Butylbenzene	12.329	91	929635	109.737	ug/l	100
90) Hexachloroethane	12.536	117	190702	113.028	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	545902	105.795	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	76333	118.572	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	358807	114.075	ug/l	99
94) Hexachlorobutadiene	13.719	225	110032	100.647	ug/l	98
95) Naphthalene	13.774	128	1108636	120.578	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	336577	113.920	ug/l	99

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

