

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
 Data File : VX047059.D
 Acq On : 21 Jul 2025 11:11
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 22 03:39:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:35:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/22/2025
 Supervised By : Mahesh Dadoda 07/22/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	293211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	502636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	358189	98.067	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 196.140%#			
35) Dibromofluoromethane	5.397	113	304077	97.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 195.960%#			
50) Toluene-d8	8.653	98	951189	94.642	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 189.280%#			
62) 4-Bromofluorobenzene	11.079	95	418790	96.692	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 193.380%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.179	85	422702	108.536	ug/l	98
3) Chloromethane	1.307	50	390958	101.483	ug/l	99
4) Vinyl Chloride	1.386	62	420036	101.428	ug/l	98
5) Bromomethane	1.611	94	207177	92.097	ug/l	96
6) Chloroethane	1.697	64	248151	91.235	ug/l	98
7) Trichlorofluoromethane	1.898	101	618083	100.093	ug/l	99
8) Diethyl Ether	2.148	74	214962	98.730	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	367465	98.771	ug/l	100
10) Methyl Iodide	2.465	142	421251	111.100	ug/l	99
11) Tert butyl alcohol	2.965	59	207609	496.373	ug/l	98
12) 1,1-Dichloroethene	2.337	96	365672	99.237	ug/l	96
13) Acrolein	2.245	56	390297	496.280	ug/l	99
14) Allyl chloride	2.678	41	668038	100.294	ug/l	99
15) Acrylonitrile	3.075	53	895719	514.199	ug/l	99
16) Acetone	2.386	43	680698	465.214	ug/l	99
17) Carbon Disulfide	2.526	76	1045599	98.086	ug/l	100
18) Methyl Acetate	2.715	43	381521	98.118	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1109184	98.907	ug/l	100
20) Methylene Chloride	2.806	84	382904	95.122	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	370810	98.339	ug/l	97
22) Diisopropyl ether	3.770	45	1246566	97.342	ug/l	99
23) Vinyl Acetate	3.733	43	5255654	511.682	ug/l	100
24) 1,1-Dichloroethane	3.623	63	690059	96.903	ug/l	99
25) 2-Butanone	4.562	43	1064894	499.825	ug/l	99
26) 2,2-Dichloropropane	4.489	77	534633	96.986	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	433236	97.026	ug/l	99
28) Bromochloromethane	4.910	49	327531	99.974	ug/l	100
29) Tetrahydrofuran	5.013	42	696538	506.702	ug/l	99
30) Chloroform	5.105	83	688904	95.036	ug/l	98
31) Cyclohexane	5.483	56	644257	94.354	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	610295	96.931	ug/l	99
36) 1,1-Dichloropropene	5.702	75	486962	92.052	ug/l	99
37) Ethyl Acetate	4.721	43	464215	99.573	ug/l	99
38) Carbon Tetrachloride	5.690	117	534117	94.597	ug/l	99
39) Methylcyclohexane	7.385	83	643495	97.426	ug/l	98
40) Benzene	6.050	78	1458721	95.282	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	266722	104.648	ug/l	99
42) 1,2-Dichloroethane	6.092	62	514986	95.493	ug/l	99
43) Isopropyl Acetate	6.342	43	782743	103.002	ug/l	99
44) Trichloroethene	7.129	130	372515	94.887	ug/l	99
45) 1,2-Dichloropropane	7.434	63	364769	95.131	ug/l	97
46) Dibromomethane	7.586	93	262070	97.464	ug/l	100
47) Bromodichloromethane	7.824	83	545715	95.349	ug/l	98
48) Methyl methacrylate	7.696	41	406578	98.210	ug/l	100
49) 1,4-Dioxane	7.659	88	97685	2074.633	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	2213299	490.000	ug/l	100
52) Toluene	8.720	92	900379	95.648	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	550435	101.846	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	595662	100.700	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	333552	94.482	ug/l	99
56) Ethyl methacrylate	9.116	69	546929	104.649	ug/l	99
57) 1,3-Dichloropropane	9.311	76	579525	94.454	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	1489901	512.296	ug/l	100
59) 2-Hexanone	9.433	43	1534390	514.162	ug/l	99
60) Dibromochloromethane	9.519	129	400453	96.718	ug/l	100
61) 1,2-Dibromoethane	9.610	107	350348	94.909	ug/l	99
64) Tetrachloroethene	9.275	164	299042	93.490	ug/l	96
65) Chlorobenzene	10.079	112	988883	95.134	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	338141	96.621	ug/l	99
67) Ethyl Benzene	10.195	91	1752485	96.425	ug/l	99
68) m/p-Xylenes	10.299	106	1302405	191.494	ug/l	99
69) o-Xylene	10.640	106	624795	96.565	ug/l	99
70) Styrene	10.652	104	1072801	96.694	ug/l	100
71) Bromoform	10.799	173	259124	97.473	ug/l #	99
73) Isopropylbenzene	10.963	105	1645804	99.034	ug/l	100
74) N-amyl acetate	10.841	43	698465	105.369	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	457057	96.283	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	380871m	97.686	ug/l	
77) Bromobenzene	11.195	156	389788	97.789	ug/l	99
78) n-propylbenzene	11.305	91	1945548	97.969	ug/l	99
79) 2-Chlorotoluene	11.366	91	1150165	96.889	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	1340151	97.612	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	158030	104.426	ug/l	97
82) 4-Chlorotoluene	11.451	91	1340796	96.766	ug/l	99
83) tert-Butylbenzene	11.713	119	1347206	97.765	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	1346982	98.362	ug/l	99
85) sec-Butylbenzene	11.890	105	1682208	97.702	ug/l	100
86) p-Isopropyltoluene	12.006	119	1404678	98.379	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	717851	94.782	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	726014	94.617	ug/l	98
89) n-Butylbenzene	12.329	91	1323274	98.826	ug/l	100
90) Hexachloroethane	12.536	117	260929	102.152	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	684462	94.557	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	97209	106.683	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	481866	100.755	ug/l	100
94) Hexachlorobutadiene	13.725	225	165153	101.539	ug/l	98
95) Naphthalene	13.774	128	1474039	105.135	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	464244	100.760	ug/l	100

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

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