

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080425\
 Data File : VR026692.D
 Acq On : 4 Aug 2025 12:28
 Operator : SY/MD
 Sample : VSTDICC100
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC100

Quant Time: Aug 05 01:56:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 01:53:00 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
 Supervised By :Semsettin Yesilyurt 08/05/2025

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

Internal Standards						
1) Pentafluorobenzene	7.298	168	809961	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.331	114	1413446	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.540	117	1050758	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.745	152	504720	50.000	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.689	65	1012712	98.787	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 197.580%#	
34) Dibromofluoromethane	7.205	113	894796	102.353	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 204.700%#	
49) Toluene-d8	10.038	98	3183408	101.640	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 203.280%#	
61) 4-Bromofluorobenzene	12.679	95	932225	104.646	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 209.300%#	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.663	85	574848	97.380	ug/l	100
3) Chloromethane	1.846	50	828847	94.457	ug/l	94
4) Vinyl Chloride	1.962	62	808944	90.214	ug/l	99
5) Bromomethane	2.292	94	356107	81.500	ug/l	95
6) Chloroethane	2.424	64	480092	83.154	ug/l	98
7) Trichlorofluoromethane	2.712	101	1431451	88.569	ug/l	98
8) Diethyl Ether	3.078	74	699489	97.544	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.386	101	868413	99.567	ug/l	99
10) Methyl Iodide	3.553	142	860439	102.255	ug/l	98
11) Tert butyl alcohol	4.327	59	802471	500.320	ug/l	99
12) 1,1-Dichloroethene	3.357	96	864137	100.295	ug/l	95
13) Acrolein	3.242	56	1179528	503.084	ug/l	98
14) Allyl chloride	3.887	41	1544032	91.090	ug/l	99
15) Acrylonitrile	4.484	53	3118807	489.853	ug/l	97
16) Acetone	3.441	43	2408198	500.519	ug/l	99
17) Carbon Disulfide	3.646	76	1329722	104.260	ug/l	97
18) Methyl Acetate	3.897	43	1928895	96.054	ug/l	97
19) Methyl tert-butyl Ether	4.558	73	3404079	98.725	ug/l	99
20) Methylene Chloride	4.086	84	1086352	95.143	ug/l	97
21) trans-1,2-Dichloroethene	4.535	96	913747	96.472	ug/l	98
22) Diisopropyl ether	5.469	45	3837843	96.620	ug/l	98
23) Vinyl Acetate	5.395	43	9281822	409.830	ug/l #	89
24) 1,1-Dichloroethane	5.337	63	1927190	95.807	ug/l	97
25) 2-Butanone	6.374	43	3692110	495.781	ug/l	96
26) 2,2-Dichloropropane	6.351	77	1444721	103.894	ug/l	100
27) cis-1,2-Dichloroethene	6.361	96	1242859	101.995	ug/l	98
28) Bromochloromethane	6.756	49	653864	90.207	ug/l	96
29) Chloroform	6.958	83	1724234	98.955	ug/l	96
30) Cyclohexane	7.282	56	1472478	90.644	ug/l	92
31) 1,1,1-Trichloroethane	7.186	97	1292978	102.701	ug/l	99
35) 1,1-Dichloropropene	7.433	75	1152925	104.538	ug/l	98
36) Ethyl Acetate	6.483	43	1316413	99.702	ug/l	98
37) Carbon Tetrachloride	7.414	117	978357	108.923	ug/l	88
38) Methylcyclohexane	8.893	83	1315252	104.184	ug/l	95
39) Benzene	7.712	78	4024378	101.328	ug/l	96
40) Methacrylonitrile	6.730	41	846974	103.222	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.802	62	1005146	99.502	ug/l	99
42) Isopropyl Acetate	7.876	43	2187929	103.057	ug/l	99
43) Trichloroethene	8.610	130	769240	100.712	ug/l	98
44) 1,2-Dichloropropane	8.925	63	951502	101.237	ug/l	98
45) Dibromomethane	9.024	93	540289	103.365	ug/l	98
46) Bromodichloromethane	9.249	83	1102669	108.877	ug/l	99
47) Methyl methacrylate	9.034	41	1000420	107.666	ug/l	98
48) 1,4-Dioxane	9.028	88	347068	2318.811	ug/l	94
50) 4-Methyl-2-Pentanone	9.923	43	5300376	478.211	ug/l	90
51) Toluene	10.112	92	2134315	105.270	ug/l	93
52) t-1,3-Dichloropropene	10.369	75	1140834	114.928	ug/l	96
53) cis-1,3-Dichloropropene	9.750	75	1308267	109.878	ug/l	96
54) 1,1,2-Trichloroethane	10.574	97	775417	104.724	ug/l	96
55) Ethyl methacrylate	10.436	69	1376469	112.569	ug/l	99
56) 1,3-Dichloropropane	10.738	76	1327972	105.294	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.592	63	538132	796.365	ug/l	98
58) 2-Hexanone	10.799	43	3962170	530.267	ug/l	94
59) Dibromochloromethane	10.959	129	704057	112.355	ug/l	99
60) 1,2-Dibromoethane	11.078	107	680467	106.779	ug/l	98
63) Tetrachloroethene	10.658	164	572480	99.733	ug/l	95
64) Chlorobenzene	11.569	112	2167542	99.119	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.659	131	657811	110.133	ug/l	98
66) Ethyl Benzene	11.665	91	3681035	100.812	ug/l #	88
67) m/p-Xylenes	11.790	106	3004787	205.977	ug/l	93
68) o-Xylene	12.163	106	1510725	106.683	ug/l	99
69) Styrene	12.179	104	2544062	107.508	ug/l	99
70) Bromoform	12.358	173	389740	115.295	ug/l	100
72) Isopropylbenzene	12.509	105	3425131	95.212	ug/l	97
73) N-amyl acetate	12.304	43	1514717	106.195	ug/l	100
74) 1,1,2,2-Tetrachloroethane	12.792	83	1055818	100.032	ug/l	99
75) 1,2,3-Trichloropropane	12.846	75	843664m	99.764	ug/l	
76) Bromobenzene	12.817	156	814497	97.836	ug/l	95
77) n-propylbenzene	12.898	91	4047792	94.312	ug/l	96
78) 2-Chlorotoluene	12.987	91	2376999	97.615	ug/l	99
79) 1,3,5-Trimethylbenzene	13.055	105	2788972	99.142	ug/l	97
80) trans-1,4-Dichloro-2-b...	12.561	75	347391	120.937	ug/l	97
81) 4-Chlorotoluene	13.103	91	2430985	97.726	ug/l	98
82) tert-Butylbenzene	13.353	119	2542752	99.376	ug/l	97
83) 1,2,4-Trimethylbenzene	13.405	105	2850967	102.383	ug/l	99
84) sec-Butylbenzene	13.555	105	3724301	98.147	ug/l	98
85) p-Isopropyltoluene	13.684	119	3235498	104.574	ug/l	97
86) 1,3-Dichlorobenzene	13.681	146	1672036	102.444	ug/l	98
87) 1,4-Dichlorobenzene	13.767	146	1612430	98.427	ug/l	99
88) n-Butylbenzene	14.053	91	2951924	103.516	ug/l	97
89) Hexachloroethane	14.358	117	482216	108.536	ug/l	94
90) 1,2-Dichlorobenzene	14.098	146	1531948	99.936	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.797	75	144514	102.821	ug/l	98
92) 1,2,4-Trichlorobenzene	15.561	180	957030	104.408	ug/l	98
93) Hexachlorobutadiene	15.689	225	290226	97.449	ug/l	98
94) Naphthalene	15.843	128	2980191	106.096	ug/l	99
95) 1,2,3-Trichlorobenzene	16.071	180	903459	103.820	ug/l	99

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

