

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082025\
 Data File : VR026745.D
 Acq On : 20 Aug 2025 16:46
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICCC050

Quant Time: Aug 21 08:40:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:23:46 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/25/2025
 Supervised By : Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	7.385	168	2540658	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.389	114	4021497	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.563	117	3229101	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.758	152	1069664	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.770	65	1606298	50.345	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.680%	
34) Dibromofluoromethane	7.292	113	1341879	51.161	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.320%	
49) Toluene-d8	10.074	98	4395227	49.986	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.980%	
61) 4-Bromofluorobenzene	12.692	95	1331124	53.354	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.700%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.814	85	1195946	49.814	ug/l	100
3) Chloromethane	1.814	50	133373	46.692	ug/l	100
4) Vinyl Chloride	2.119	62	1815745	45.963	ug/l	100
5) Bromomethane	2.440	94	395481	32.608	ug/l	100
6) Chloroethane	2.558	64	940645	46.059	ug/l	100
7) Trichlorofluoromethane	2.860	101	3400210	44.402	ug/l	100
8) Diethyl Ether	3.236	74	1230501	50.231	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.537	101	1527303	49.911	ug/l	100
10) Methyl Iodide	3.704	142	1663409	51.147	ug/l	100
11) Tert butyl alcohol	4.503	59	1346455	274.509	ug/l	100
12) 1,1-Dichloroethene	3.511	96	1713280	51.594	ug/l	100
13) Acrolein	3.402	56	721946	244.278	ug/l	100
14) Allyl chloride	4.041	41	3158066	51.605	ug/l	100
15) Acrylonitrile	4.651	53	5327967	253.981	ug/l	100
16) Acetone	3.601	43	4005052	237.143	ug/l	100
17) Carbon Disulfide	3.800	76	4409259	54.673	ug/l	100
18) Methyl Acetate	4.057	43	2440032	49.595	ug/l	100
19) Methyl tert-butyl Ether	4.718	73	5568231	52.869	ug/l	100
20) Methylene Chloride	4.250	84	1791754	49.726	ug/l	100
21) trans-1,2-Dichloroethene	4.699	96	1799289	51.823	ug/l	100
22) Diisopropyl ether	5.613	45	6376070	50.644	ug/l	100
23) Vinyl Acetate	5.543	43	17624591	234.969	ug/l	100
24) 1,1-Dichloroethane	5.482	63	3162509	51.046	ug/l	100
25) 2-Butanone	6.493	43	6543039	249.523	ug/l	100
26) 2,2-Dichloropropane	6.470	77	2310783	54.444	ug/l	100
27) cis-1,2-Dichloroethene	6.476	96	2054029	52.270	ug/l	100
28) Bromochloromethane	6.865	49	869848	47.439	ug/l	100
29) Chloroform	7.057	83	2861267	51.402	ug/l	100
30) Cyclohexane	7.369	56	3170127	48.521	ug/l	100
31) 1,1,1-Trichloroethane	7.276	97	2447847	54.156	ug/l	100
35) 1,1-Dichloropropene	7.516	75	2177820	53.318	ug/l	100
36) Ethyl Acetate	6.598	43	2723649	52.024	ug/l	100
37) Carbon Tetrachloride	7.497	117	2043091	55.585	ug/l	100
38) Methylcyclohexane	8.941	83	2653236	51.910	ug/l	100
39) Benzene	7.786	78	6401847	51.053	ug/l	100
40) Methacrylonitrile	6.839	41	1376737	50.515	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.872	62	1790338	51.493	ug/l	100
42) Isopropyl Acetate	7.940	43	3945706	53.261	ug/l	100
43) Trichloroethene	8.662	130	1383797	50.583	ug/l	100
44) 1,2-Dichloropropane	8.973	63	1540544	51.318	ug/l	100
45) Dibromomethane	9.072	93	1001097	52.496	ug/l	100
46) Bromodichloromethane	9.294	83	1882554	53.034	ug/l	100
47) Methyl methacrylate	9.079	41	1964455	54.329	ug/l	100
48) 1,4-Dioxane	9.076	88	519417	1118.223	ug/l	100
50) 4-Methyl-2-Pentanone	9.961	43	8099504	235.285	ug/l	100
51) Toluene	10.144	92	3719451	51.944	ug/l	100
52) t-1,3-Dichloropropene	10.398	75	1897286	56.433	ug/l	100
53) cis-1,3-Dichloropropene	9.788	75	2225355	54.560	ug/l	100
54) 1,1,2-Trichloroethane	10.603	97	1297387	51.047	ug/l	100
55) Ethyl methacrylate	10.462	69	2386522	54.591	ug/l	100
56) 1,3-Dichloropropane	10.764	76	2231373	52.088	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.628	63	747814	252.763	ug/l	100
58) 2-Hexanone	10.828	43	6393187	255.388	ug/l	100
59) Dibromochloromethane	10.985	129	1279106	53.505	ug/l	100
60) 1,2-Dibromoethane	11.101	107	1201003	52.285	ug/l	100
63) Tetrachloroethene	10.683	164	1123328	49.511	ug/l	100
64) Chlorobenzene	11.591	112	3666192	51.020	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.678	131	1282061	53.139	ug/l	100
66) Ethyl Benzene	11.685	91	5921827	49.289	ug/l	100
67) m/p-Xylenes	11.810	106	5297864	105.380	ug/l	100
68) o-Xylene	12.179	106	2697739	52.957	ug/l	100
69) Styrene	12.195	104	4149366	55.352	ug/l	100
70) Bromoform	12.378	173	737164	56.664	ug/l #	100
72) Isopropylbenzene	12.522	105	5423852	46.713	ug/l	100
73) N-amyl acetate	12.317	43	2507956	59.828	ug/l	100
74) 1,1,2,2-Tetrachloroethane	12.804	83	1708055	51.389	ug/l	100
75) 1,2,3-Trichloropropane	12.865	75	1321577m	54.894	ug/l	100
76) Bromobenzene	12.833	156	1286570	50.622	ug/l	100
77) n-propylbenzene	12.910	91	5853511	47.024	ug/l	100
78) 2-Chlorotoluene	13.003	91	3783934	51.473	ug/l	100
79) 1,3,5-Trimethylbenzene	13.068	105	4368837	50.387	ug/l	100
80) trans-1,4-Dichloro-2-b...	12.573	75	509569	48.645	ug/l	100
81) 4-Chlorotoluene	13.116	91	3592592	53.337	ug/l	100
82) tert-Butylbenzene	13.366	119	4033039	49.753	ug/l	100
83) 1,2,4-Trimethylbenzene	13.414	105	4208057	53.225	ug/l	100
84) sec-Butylbenzene	13.565	105	5137828	49.276	ug/l	100
85) p-Isopropyltoluene	13.697	119	4275106	52.766	ug/l	100
86) 1,3-Dichlorobenzene	13.693	146	1953494	51.756	ug/l	100
87) 1,4-Dichlorobenzene	13.780	146	1849442	50.859	ug/l	100
88) n-Butylbenzene	14.066	91	2977365	51.432	ug/l	100
89) Hexachloroethane	14.367	117	717145	54.571	ug/l	100
90) 1,2-Dichlorobenzene	14.110	146	1505545	47.497	ug/l	100
91) 1,2-Dibromo-3-Chloropr...	14.804	75	163690	49.652	ug/l	100
92) 1,2,4-Trichlorobenzene	15.571	180	1009116	48.454	ug/l	100
93) Hexachlorobutadiene	15.696	225	322121	46.926	ug/l	100
94) Naphthalene	15.853	128	3079405	51.712	ug/l	100
95) 1,2,3-Trichlorobenzene	16.078	180	974853	48.241	ug/l	100

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

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