

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080425\
 Data File : VR026701.D
 Acq On : 4 Aug 2025 17:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Aug 05 07:46:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 02:27:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.311	168	609867	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.338	114	1113569	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.544	117	862138	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.751	152	395194	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.699	65	414398	53.686	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.380%			
34) Dibromofluoromethane	7.212	113	348698	50.628	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.260%			
49) Toluene-d8	10.045	98	1331730	53.970	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.940%			
61) 4-Bromofluorobenzene	12.679	95	367442	52.354	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.663	85	203329	45.745	ug/l	97
3) Chloromethane	1.849	50	337937	51.148	ug/l	97
4) Vinyl Chloride	1.965	62	373397	55.304	ug/l	99
5) Bromomethane	2.302	94	186820	56.785	ug/l	93
6) Chloroethane	2.437	64	240491	55.320	ug/l	97
7) Trichlorofluoromethane	2.725	101	676709	55.608	ug/l	96
8) Diethyl Ether	3.088	74	301076	55.760	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.396	101	318889	48.575	ug/l	99
10) Methyl Iodide	3.563	142	293415	46.310	ug/l	98
11) Tert butyl alcohol	4.340	59	390786	323.584	ug/l #	86
12) 1,1-Dichloroethene	3.370	96	314318	48.450	ug/l	94
13) Acrolein	3.252	56	497099	281.582	ug/l	98
14) Allyl chloride	3.894	41	621323	48.681	ug/l	96
15) Acrylonitrile	4.494	53	1445860	301.601	ug/l	98
16) Acetone	3.447	43	1021091	281.852	ug/l	95
17) Carbon Disulfide	3.653	76	432795	45.068	ug/l	98
18) Methyl Acetate	3.906	43	919055	60.782	ug/l	100
19) Methyl tert-butyl Ether	4.571	73	1388912	53.497	ug/l	99
20) Methylene Chloride	4.099	84	426741	49.636	ug/l	97
21) trans-1,2-Dichloroethene	4.548	96	351452	49.280	ug/l	93
22) Diisopropyl ether	5.482	45	1594258	53.305	ug/l	97
23) Vinyl Acetate	5.405	43	4837751	283.689	ug/l	96
24) 1,1-Dichloroethane	5.350	63	773916	51.097	ug/l	100
25) 2-Butanone	6.390	43	1735035	309.423	ug/l	98
26) 2,2-Dichloropropane	6.368	77	509266	48.638	ug/l #	73
27) cis-1,2-Dichloroethene	6.368	96	467661	50.970	ug/l	97
28) Bromochloromethane	6.762	49	272328	49.897	ug/l	97
29) Chloroform	6.964	83	678258	51.697	ug/l	91
30) Cyclohexane	7.285	56	573849m	46.915	ug/l	
31) 1,1,1-Trichloroethane	7.192	97	482002	50.858	ug/l	99
35) 1,1-Dichloropropene	7.443	75	435939	50.172	ug/l	98
36) Ethyl Acetate	6.496	43	605974	58.255	ug/l	99
37) Carbon Tetrachloride	7.420	117	347349	49.085	ug/l	95
38) Methylcyclohexane	8.896	83	483321	48.595	ug/l	96
39) Benzene	7.719	78	1593820	50.937	ug/l	100
40) Methacrylonitrile	6.737	41	378088	58.487	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.812	62	406499	51.076	ug/l	98
42) Isopropyl Acetate	7.885	43	978657	58.511	ug/l	98
43) Trichloroethene	8.617	130	302571	50.282	ug/l	100
44) 1,2-Dichloropropane	8.935	63	378139	51.067	ug/l	95
45) Dibromomethane	9.031	93	207888	50.482	ug/l	100
46) Bromodichloromethane	9.256	83	417633	52.342	ug/l	91
47) Methyl methacrylate	9.041	41	434224	59.316	ug/l	99
48) 1,4-Dioxane	9.041	88	156604	1328.054	ug/l	96
50) 4-Methyl-2-Pentanone	9.929	43	2798462	320.475	ug/l	99
51) Toluene	10.119	92	834384	52.236	ug/l	100
52) t-1,3-Dichloropropene	10.375	75	410006	52.427	ug/l	95
53) cis-1,3-Dichloropropene	9.756	75	498045	53.094	ug/l	97
54) 1,1,2-Trichloroethane	10.581	97	317141	54.366	ug/l	95
55) Ethyl methacrylate	10.440	69	565676	58.720	ug/l	99
56) 1,3-Dichloropropane	10.745	76	544317	54.781	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.599	63	270833	508.730	ug/l #	71
58) 2-Hexanone	10.805	43	1951064	331.432	ug/l	100
59) Dibromochloromethane	10.966	129	266871	54.056	ug/l	97
60) 1,2-Dibromoethane	11.081	107	281703	56.109	ug/l	99
63) Tetrachloroethene	10.661	164	230637	48.970	ug/l	97
64) Chlorobenzene	11.576	112	883195	49.224	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.662	131	251789	51.378	ug/l	97
66) Ethyl Benzene	11.669	91	1483820	49.528	ug/l	98
67) m/p-Xylenes	11.794	106	1196896	99.997	ug/l	99
68) o-Xylene	12.166	106	588029	50.610	ug/l	100
69) Styrene	12.182	104	1001744	51.593	ug/l	98
70) Bromoform	12.365	173	149105	53.760	ug/l	97
72) Isopropylbenzene	12.513	105	1417841	50.336	ug/l	99
73) N-amyl acetate	12.307	43	618560	55.385	ug/l	100
74) 1,1,2,2-Tetrachloroethane	12.795	83	447482	54.146	ug/l	99
75) 1,2,3-Trichloropropane	12.853	75	331967m	50.676	ug/l	
76) Bromobenzene	12.821	156	324050	49.712	ug/l	98
77) n-propylbenzene	12.901	91	1672153	49.758	ug/l	100
78) 2-Chlorotoluene	12.994	91	944418	49.533	ug/l	99
79) 1,3,5-Trimethylbenzene	13.058	105	1107626	50.286	ug/l	98
80) trans-1,4-Dichloro-2-b...	12.564	75	129169	57.430	ug/l	95
81) 4-Chlorotoluene	13.106	91	924285	47.454	ug/l	98
82) tert-Butylbenzene	13.357	119	996988	49.763	ug/l	99
83) 1,2,4-Trimethylbenzene	13.405	105	1128762	51.770	ug/l	99
84) sec-Butylbenzene	13.559	105	1504922	50.651	ug/l	100
85) p-Isopropyltoluene	13.687	119	1264663	52.203	ug/l	99
86) 1,3-Dichlorobenzene	13.684	146	641123	50.168	ug/l	100
87) 1,4-Dichlorobenzene	13.774	146	624459	48.683	ug/l	99
88) n-Butylbenzene	14.059	91	1110715	49.745	ug/l	98
89) Hexachloroethane	14.358	117	172486	49.582	ug/l	97
90) 1,2-Dichlorobenzene	14.104	146	603673	50.294	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	14.797	75	62929	57.182	ug/l	96
92) 1,2,4-Trichlorobenzene	15.568	180	349053	48.634	ug/l	98
93) Hexachlorobutadiene	15.689	225	105418	45.206	ug/l	98
94) Naphthalene	15.847	128	1133104	51.519	ug/l	100
95) 1,2,3-Trichlorobenzene	16.071	180	340133	49.918	ug/l	100

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

