

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026707.D
 Acq On : 5 Aug 2025 11:48
 Operator : SY/MD
 Sample : VR0805WBS01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0805WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/06/2025
 Supervised By :Semsettin Yesilyurt 08/06/2025

Quant Time: Aug 06 01:20:33 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	7.289	168	468199	50.000	ug/l	-0.02
33) 1,4-Difluorobenzene	8.319	114	861457	50.000	ug/l	-0.01
62) Chlorobenzene-d5	11.531	117	667654	50.000	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.738	152	315726	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.680	65	289741	48.894	ug/l	-0.02
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.780%		
34) Dibromofluoromethane	7.192	113	244608	45.908	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.820%		
49) Toluene-d8	10.026	98	991491	51.941	ug/l	-0.01
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.880%		
61) 4-Bromofluorobenzene	12.667	95	268556	49.463	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.660	85	56830	16.654	ug/l	100
3) Chloromethane	1.840	50	97860	19.293	ug/l	92
4) Vinyl Chloride	1.955	62	115347	22.253	ug/l	90
5) Bromomethane	2.299	94	58632	23.214	ug/l	96
6) Chloroethane	2.421	64	68166	20.425	ug/l	98
7) Trichlorofluoromethane	2.706	101	224989	24.082	ug/l	100
8) Diethyl Ether	3.072	74	73618	17.760	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.374	101	87874	17.436	ug/l	96
10) Methyl Iodide	3.537	142	80387	16.527	ug/l	97
11) Tert butyl alcohol	4.307	59	81225	87.608	ug/l #	74
12) 1,1-Dichloroethene	3.351	96	85883	17.244	ug/l	93
13) Acrolein	3.239	56	132241	97.574	ug/l	96
14) Allyl chloride	3.881	41	174589	17.818	ug/l	94
15) Acrylonitrile	4.474	53	352945	95.900	ug/l	96
16) Acetone	3.431	43	242575	87.218	ug/l	92
17) Carbon Disulfide	3.630	76	104892	14.228	ug/l #	93
18) Methyl Acetate	3.890	43	237094	20.425	ug/l #	75
19) Methyl tert-butyl Ether	4.542	73	349542	17.537	ug/l	98
20) Methylene Chloride	4.080	84	115014	17.426	ug/l	90
21) trans-1,2-Dichloroethene	4.522	96	91916	16.788	ug/l	92
22) Diisopropyl ether	5.456	45	460027	20.035	ug/l #	92
23) Vinyl Acetate	5.379	43	1342465	102.543	ug/l #	91
24) 1,1-Dichloroethane	5.328	63	214412m	18.440	ug/l	
25) 2-Butanone	6.368	43	419577	97.468	ug/l	96
26) 2,2-Dichloropropane	6.332	77	122402m	15.227	ug/l	
27) cis-1,2-Dichloroethene	6.339	96	122453	17.384	ug/l	84
28) Bromochloromethane	6.743	49	76722	18.311	ug/l #	68
29) Chloroform	6.945	83	184582	18.326	ug/l	99
30) Cyclohexane	7.269	56	165847	17.662	ug/l	96
31) 1,1,1-Trichloroethane	7.176	97	133703	18.376	ug/l	96
35) 1,1-Dichloropropene	7.417	75	123006	18.300	ug/l #	72
36) Ethyl Acetate	6.477	43	155043	19.267	ug/l #	93
37) Carbon Tetrachloride	7.401	117	92680	16.930	ug/l	98
38) Methylcyclohexane	8.877	83	138695	18.026	ug/l	98
39) Benzene	7.693	78	443272	18.312	ug/l #	89
40) Methacrylonitrile	6.708	41	102211	20.438	ug/l #	41

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.786	62	116971	18.998	ug/l	86
42) Isopropyl Acetate	7.863	43	246458	19.047	ug/l	97
43) Trichloroethene	8.598	130	89019	19.123	ug/l	81
44) 1,2-Dichloropropane	8.912	63	104683	18.275	ug/l	91
45) Dibromomethane	9.009	93	60006	18.836	ug/l	99
46) Bromodichloromethane	9.240	83	117603	19.053	ug/l	91
47) Methyl methacrylate	9.025	41	114896	20.288	ug/l	96
48) 1,4-Dioxane	9.018	88	37929	415.784	ug/l	88
50) 4-Methyl-2-Pentanone	9.917	43	709581	105.041	ug/l	97
51) Toluene	10.100	92	239463	19.379	ug/l	96
52) t-1,3-Dichloropropene	10.359	75	104064	17.201	ug/l	93
53) cis-1,3-Dichloropropene	9.737	75	130948	18.045	ug/l	97
54) 1,1,2-Trichloroethane	10.558	97	93830	20.792	ug/l	96
55) Ethyl methacrylate	10.427	69	148494	19.925	ug/l	99
56) 1,3-Dichloropropane	10.725	76	155564	20.238	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.583	63	45037	109.355	ug/l	97
58) 2-Hexanone	10.789	43	459156	100.825	ug/l	98
59) Dibromochloromethane	10.947	129	67762	17.742	ug/l	92
60) 1,2-Dibromoethane	11.059	107	79602	20.495	ug/l	98
63) Tetrachloroethene	10.648	164	70873	19.432	ug/l	94
64) Chlorobenzene	11.563	112	257246	18.514	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.646	131	69439	18.297	ug/l	81
66) Ethyl Benzene	11.656	91	421916	18.185	ug/l	92
67) m/p-Xylenes	11.781	106	352756	38.057	ug/l	95
68) o-Xylene	12.153	106	168975	18.779	ug/l	97
69) Styrene	12.169	104	277954	18.486	ug/l	98
70) Bromoform	12.349	173	37169	17.305	ug/l #	98
72) Isopropylbenzene	12.497	105	413196	18.362	ug/l	100
73) N-amyl acetate	12.294	43	153711	17.227	ug/l	96
74) 1,1,2,2-Tetrachloroethane	12.779	83	122822	18.602	ug/l	99
75) 1,2,3-Trichloropropane	12.837	75	96860m	18.508	ug/l	
76) Bromobenzene	12.808	156	95946	18.424	ug/l	93
77) n-propylbenzene	12.885	91	499731	18.613	ug/l	99
78) 2-Chlorotoluene	12.978	91	268095	17.600	ug/l	96
79) 1,3,5-Trimethylbenzene	13.045	105	312493	17.758	ug/l	97
80) trans-1,4-Dichloro-2-b...	12.551	75	26271	14.620	ug/l #	87
81) 4-Chlorotoluene	13.090	91	278933	17.925	ug/l	97
82) tert-Butylbenzene	13.341	119	293112	18.313	ug/l	97
83) 1,2,4-Trimethylbenzene	13.392	105	317480	18.226	ug/l	100
84) sec-Butylbenzene	13.543	105	450016	18.958	ug/l	100
85) p-Isopropyltoluene	13.677	119	354287	18.305	ug/l	99
86) 1,3-Dichlorobenzene	13.671	146	190130m	18.622	ug/l	
87) 1,4-Dichlorobenzene	13.758	146	192888	18.823	ug/l	99
88) n-Butylbenzene	14.047	91	321482	18.022	ug/l	100
89) Hexachloroethane	14.348	117	43840	15.774	ug/l	98
90) 1,2-Dichlorobenzene	14.085	146	183071	19.091	ug/l	97
91) 1,2-Dibromo-3-Chloropr...	14.781	75	14212	16.165	ug/l	92
92) 1,2,4-Trichlorobenzene	15.555	180	101887	17.769	ug/l	97
93) Hexachlorobutadiene	15.680	225	30598	16.424	ug/l #	72
94) Naphthalene	15.827	128	299281	17.032	ug/l	99
95) 1,2,3-Trichlorobenzene	16.062	180	102168	18.768	ug/l	97

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

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