

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082525\
 Data File : VR026760.D
 Acq On : 25 Aug 2025 14:16
 Operator : SY/MD
 Sample : VR0825WBS01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0825WBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

Quant Time: Aug 25 22:49:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:59:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.398	168	1599048	50.000	ug/l	0.01
33) 1,4-Difluorobenzene	8.399	114	2663198	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.576	117	2129589	50.000	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	13.774	152	698939	50.000	ug/l	0.02

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.783	65	975865	48.596	ug/l	0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.200%
34) Dibromofluoromethane	7.308	113	810968	46.689	ug/l	0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.380%
49) Toluene-d8	10.083	98	3053176	52.433	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.860%
61) 4-Bromofluorobenzene	12.705	95	831364	50.318	ug/l	0.01
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.640%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.830	85	285262m	18.878	ug/l	
3) Chloromethane	1.824	50	35778m	19.901	ug/l	
4) Vinyl Chloride	2.128	62	499886	20.105	ug/l	95
5) Bromomethane	2.459	94	230090	30.143	ug/l	100
6) Chloroethane	2.594	64	316378	20.793	ug/l	98
7) Trichlorofluoromethane	2.879	101	1051141	21.809	ug/l	97
8) Diethyl Ether	3.242	74	289776	18.795	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.556	101	382665	19.869	ug/l	98
10) Methyl Iodide	3.723	142	392546	19.178	ug/l #	94
11) Tert butyl alcohol	4.503	59	252297	81.726	ug/l	99
12) 1,1-Dichloroethene	3.531	96	407014	19.474	ug/l	94
13) Acrolein	3.418	56	124629	61.693	ug/l	95
14) Allyl chloride	4.060	41	759965	19.731	ug/l	98
15) Acrylonitrile	4.673	53	1266447	95.921	ug/l	98
16) Acetone	3.614	43	872804	82.112	ug/l	97
17) Carbon Disulfide	3.816	76	967307	19.057	ug/l	99
18) Methyl Acetate	4.073	43	614783	19.854	ug/l	97
19) Methyl tert-butyl Ether	4.731	73	1321921	19.942	ug/l	99
20) Methylene Chloride	4.259	84	449472	19.824	ug/l	95
21) trans-1,2-Dichloroethene	4.708	96	433763	19.850	ug/l	93
22) Diisopropyl ether	5.629	45	1677658	21.172	ug/l	99
23) Vinyl Acetate	5.556	43	6443788	108.364	ug/l #	74
24) 1,1-Dichloroethane	5.495	63	775394	19.885	ug/l	99
25) 2-Butanone	6.509	43	1547616	93.773	ug/l	92
26) 2,2-Dichloropropane	6.489	77	494131	18.498	ug/l	79
27) cis-1,2-Dichloroethene	6.496	96	496477	20.074	ug/l	100
28) Bromochloromethane	6.878	49	202430	17.541	ug/l	98
29) Chloroform	7.070	83	715610	20.426	ug/l	97
30) Cyclohexane	7.385	56	816522	19.857	ug/l	98
31) 1,1,1-Trichloroethane	7.288	97	578437	20.333	ug/l	97
35) 1,1-Dichloropropene	7.532	75	524815	19.402	ug/l	100
36) Ethyl Acetate	6.615	43	634562	18.337	ug/l	97
37) Carbon Tetrachloride	7.510	117	445124	18.287	ug/l	97
38) Methylcyclohexane	8.954	83	677536	20.017	ug/l	97
39) Benzene	7.799	78	1797455	21.645	ug/l #	88
40) Methacrylonitrile	6.855	41	346747	19.212	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.888	62	444366	19.299	ug/l	99
42) Isopropyl Acetate	7.956	43	969900	19.770	ug/l	97
43) Trichloroethene	8.678	130	352262	19.444	ug/l	92
44) 1,2-Dichloropropane	8.986	63	390070	19.621	ug/l	98
45) Dibromomethane	9.089	93	240236	19.023	ug/l	97
46) Bromodichloromethane	9.307	83	471555	20.060	ug/l	96
47) Methyl methacrylate	9.092	41	442641	18.485	ug/l	99
48) 1,4-Dioxane	9.089	88	109652	356.462	ug/l	99
50) 4-Methyl-2-Pentanone	9.968	43	2824766	102.143	ug/l #	74
51) Toluene	10.157	92	981981	20.708	ug/l	82
52) t-1,3-Dichloropropene	10.411	75	436813	19.619	ug/l	100
53) cis-1,3-Dichloropropene	9.798	75	530902	19.655	ug/l	97
54) 1,1,2-Trichloroethane	10.613	97	330659	19.646	ug/l	98
55) Ethyl methacrylate	10.475	69	579794	20.027	ug/l	97
56) 1,3-Dichloropropane	10.776	76	561538	19.794	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.641	63	98687	78.959	ug/l	99
58) 2-Hexanone	10.834	43	1719429	103.717	ug/l	83
59) Dibromochloromethane	10.995	129	317688	20.067	ug/l	97
60) 1,2-Dibromoethane	11.113	107	296806	19.512	ug/l	98
63) Tetrachloroethene	10.696	164	294898	19.709	ug/l	94
64) Chlorobenzene	11.604	112	997145	21.041	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.688	131	303542	19.077	ug/l	99
66) Ethyl Benzene	11.694	91	1808996	22.831	ug/l #	77
67) m/p-Xylenes	11.819	106	1401406	42.267	ug/l #	68
68) o-Xylene	12.188	106	679085	20.213	ug/l	91
69) Styrene	12.208	104	1038079	20.998	ug/l	91
70) Bromoform	12.391	173	170919	19.921	ug/l #	97
72) Isopropylbenzene	12.532	105	1665555	21.953	ug/l	91
73) N-amyl acetate	12.330	43	475353	17.354	ug/l	99
74) 1,1,2,2-Tetrachloroethane	12.817	83	425944	19.612	ug/l	100
75) 1,2,3-Trichloropropane	12.875	75	326272m	18.937	ug/l	
76) Bromobenzene	12.843	156	322757	19.435	ug/l	91
77) n-propylbenzene	12.920	91	1808477	22.234	ug/l	90
78) 2-Chlorotoluene	13.016	91	972748	20.251	ug/l	99
79) 1,3,5-Trimethylbenzene	13.077	105	1206620	21.298	ug/l	95
80) trans-1,4-Dichloro-2-b...	12.586	75	98567	17.981	ug/l	95
81) 4-Chlorotoluene	13.125	91	875847	19.900	ug/l	100
82) tert-Butylbenzene	13.376	119	1112438	21.002	ug/l	91
83) 1,2,4-Trimethylbenzene	13.427	105	1083663	20.977	ug/l	96
84) sec-Butylbenzene	13.578	105	1485417	21.803	ug/l	95
85) p-Isopropyltoluene	13.709	119	1144202	21.613	ug/l	94
86) 1,3-Dichlorobenzene	13.703	146	488661	19.813	ug/l	98
87) 1,4-Dichlorobenzene	13.793	146	482444	20.304	ug/l	100
88) n-Butylbenzene	14.078	91	748579	19.790	ug/l	98
89) Hexachloroethane	14.377	117	182576	21.262	ug/l	98
90) 1,2-Dichlorobenzene	14.120	146	399742	19.300	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.813	75	36039	20.026	ug/l	94
92) 1,2,4-Trichlorobenzene	15.587	180	255747	18.794	ug/l	99
93) Hexachlorobutadiene	15.709	225	85270	19.011	ug/l	99
94) Naphthalene	15.866	128	668771	17.187	ug/l	100
95) 1,2,3-Trichlorobenzene	15.587	180	255747	19.368	ug/l	99

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

