

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080625\
 Data File : VR026718.D
 Acq On : 6 Aug 2025 15:43
 Operator : SY/MD
 Sample : VR0806WBSD01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0806WBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/07/2025
 Supervised By :Semsettin Yesilyurt 08/07/2025

Quant Time: Aug 07 01:13:28 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	7.285	168	390484	50.000	ug/l	-0.02
33) 1,4-Difluorobenzene	8.315	114	682860	50.000	ug/l	-0.02
62) Chlorobenzene-d5	11.524	117	554694	50.000	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.732	152	277456	50.000	ug/l	-0.02

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.680	65	238198	48.196	ug/l	-0.02
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.400%
34) Dibromofluoromethane	7.189	113	200760	47.534	ug/l	-0.02
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.060%
49) Toluene-d8	10.026	98	813984	53.794	ug/l	-0.01
Spiked Amount	50.000	Range	86 - 113	Recovery	=	107.580%
61) 4-Bromofluorobenzene	12.660	95	231301	53.744	ug/l	-0.02
Spiked Amount	50.000	Range	77 - 121	Recovery	=	107.480%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.657	85	54459	19.136	ug/l	89
3) Chloromethane	1.836	50	85637	20.243	ug/l	93
4) Vinyl Chloride	1.952	62	96063	22.222	ug/l	99
5) Bromomethane	2.298	94	54201	25.730	ug/l	91
6) Chloroethane	2.424	64	66081	23.741	ug/l	94
7) Trichlorofluoromethane	2.706	101	207242	26.598	ug/l	96
8) Diethyl Ether	3.069	74	62636	18.118	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.377	101	79126	18.824	ug/l	98
10) Methyl Iodide	3.540	142	72785	17.942	ug/l	99
11) Tert butyl alcohol	4.304	59	60347	78.043	ug/l #	74
12) 1,1-Dichloroethene	3.351	96	75894	18.271	ug/l	94
13) Acrolein	3.239	56	106444	94.170	ug/l	98
14) Allyl chloride	3.871	41	140175	17.153	ug/l	95
15) Acrylonitrile	4.468	53	304799	99.301	ug/l	97
16) Acetone	3.434	43	217502	93.767	ug/l	92
17) Carbon Disulfide	3.630	76	82676	13.446	ug/l #	86
18) Methyl Acetate	3.890	43	207089	21.391	ug/l #	74
19) Methyl tert-butyl Ether	4.542	73	293967	17.684	ug/l	100
20) Methylene Chloride	4.076	84	98879	17.963	ug/l	91
21) trans-1,2-Dichloroethene	4.519	96	79555	17.422	ug/l	94
22) Diisopropyl ether	5.462	45	371289	19.389	ug/l #	90
23) Vinyl Acetate	5.382	43	1109361	101.602	ug/l #	91
24) 1,1-Dichloroethane	5.312	63	177736	18.328	ug/l	99
25) 2-Butanone	6.358	43	367738	102.427	ug/l #	88
26) 2,2-Dichloropropane	6.342	77	99842	14.893	ug/l #	54
27) cis-1,2-Dichloroethene	6.348	96	109100	18.571	ug/l	99
28) Bromochloromethane	6.736	49	66586	19.055	ug/l	99
29) Chloroform	6.942	83	162676	19.365	ug/l	97
30) Cyclohexane	7.263	56	138542	17.690	ug/l	95
31) 1,1,1-Trichloroethane	7.163	97	113115	18.641	ug/l	97
35) 1,1-Dichloropropene	7.420	75	101500	19.050	ug/l	94
36) Ethyl Acetate	6.470	43	123402	19.346	ug/l	97
37) Carbon Tetrachloride	7.391	117	84123m	19.386	ug/l	
38) Methylcyclohexane	8.880	83	120567	19.768	ug/l	97
39) Benzene	7.699	78	386339	20.135	ug/l	94
40) Methacrylonitrile	6.711	41	80195	20.230	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.786	62	103398	21.186	ug/l	97
42) Isopropyl Acetate	7.859	43	197463	19.252	ug/l	98
43) Trichloroethene	8.594	130	79671	21.591	ug/l	88
44) 1,2-Dichloropropane	8.912	63	95937	21.128	ug/l	97
45) Dibromomethane	9.005	93	54114	21.429	ug/l #	78
46) Bromodichloromethane	9.239	83	101520	20.749	ug/l	98
47) Methyl methacrylate	9.021	41	98036	21.839	ug/l	98
48) 1,4-Dioxane	9.011	88	31717	438.622	ug/l #	88
50) 4-Methyl-2-Pentanone	9.910	43	647265	120.877	ug/l	95
51) Toluene	10.096	92	222452	22.711	ug/l	99
52) t-1,3-Dichloropropene	10.359	75	88626	18.480	ug/l	97
53) cis-1,3-Dichloropropene	9.737	75	113101	19.662	ug/l	92
54) 1,1,2-Trichloroethane	10.558	97	86901	24.293	ug/l	97
55) Ethyl methacrylate	10.423	69	128409	21.737	ug/l	96
56) 1,3-Dichloropropane	10.722	76	137254	22.526	ug/l	96
57) 2-Chloroethyl Vinyl ether	9.579	63	31789	97.375	ug/l	93
58) 2-Hexanone	10.786	43	420403	116.459	ug/l	98
59) Dibromochloromethane	10.943	129	65540	21.649	ug/l	97
60) 1,2-Dibromoethane	11.059	107	76460	24.835	ug/l	93
63) Tetrachloroethene	10.642	164	60720	20.038	ug/l	92
64) Chlorobenzene	11.556	112	240005	20.790	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.643	131	61777	19.593	ug/l	94
66) Ethyl Benzene	11.649	91	390727	20.271	ug/l	97
67) m/p-Xylenes	11.778	106	312895	40.631	ug/l	98
68) o-Xylene	12.147	106	154620	20.684	ug/l	99
69) Styrene	12.166	104	270098	21.621	ug/l	96
70) Bromoform	12.349	173	34502	19.334	ug/l #	99
72) Isopropylbenzene	12.493	105	380461	19.239	ug/l	99
73) N-amyl acetate	12.291	43	141715	18.074	ug/l	99
74) 1,1,2,2-Tetrachloroethane	12.776	83	119347	20.569	ug/l	94
75) 1,2,3-Trichloropropane	12.830	75	92471m	20.106	ug/l	
76) Bromobenzene	12.804	156	86383	18.875	ug/l	96
77) n-propylbenzene	12.881	91	465957	19.749	ug/l	99
78) 2-Chlorotoluene	12.975	91	258530	19.313	ug/l	95
79) 1,3,5-Trimethylbenzene	13.039	105	303044	19.596	ug/l	98
80) trans-1,4-Dichloro-2-b...	12.541	75	23309	14.761	ug/l #	78
81) 4-Chlorotoluene	13.084	91	259998	19.013	ug/l	96
82) tert-Butylbenzene	13.340	119	284416	20.220	ug/l	95
83) 1,2,4-Trimethylbenzene	13.388	105	298489	19.499	ug/l	99
84) sec-Butylbenzene	13.536	105	420720	20.169	ug/l	100
85) p-Isopropyltoluene	13.671	119	336593	19.790	ug/l	98
86) 1,3-Dichlorobenzene	13.661	146	178080	19.848	ug/l	97
87) 1,4-Dichlorobenzene	13.751	146	185466	20.595	ug/l	98
88) n-Butylbenzene	14.040	91	310631	19.815	ug/l	99
89) Hexachloroethane	14.338	117	43880	17.966	ug/l	94
90) 1,2-Dichlorobenzene	14.082	146	176382	20.931	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.778	75	13909	18.002	ug/l	87
92) 1,2,4-Trichlorobenzene	15.538	180	103465	20.533	ug/l	90
93) Hexachlorobutadiene	15.667	225	35895	21.925	ug/l	96
94) Naphthalene	15.824	128	336141	21.769	ug/l	99
95) 1,2,3-Trichlorobenzene	16.042	180	104849	21.918	ug/l	100

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

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