

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080525\
 Data File : VR026708.D
 Acq On : 5 Aug 2025 12:14
 Operator : SY/MD
 Sample : VR0805WBSD01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0805WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 01:21:28 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	7.298	168	461350	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.322	114	830309	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.534	117	645406	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.738	152	316008	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	289081	49.507	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.020%		
34) Dibromofluoromethane	7.192	113	243217	47.360	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.720%		
49) Toluene-d8	10.032	98	968244	52.625	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.260%		
61) 4-Bromofluorobenzene	12.667	95	266102	50.850	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.660	85	63296	18.825	ug/l	90
3) Chloromethane	1.843	50	104432	20.894	ug/l	96
4) Vinyl Chloride	1.958	62	115321	22.579	ug/l	98
5) Bromomethane	2.302	94	57165	22.969	ug/l	99
6) Chloroethane	2.424	64	67287	20.461	ug/l	90
7) Trichlorofluoromethane	2.709	101	211040	22.925	ug/l	99
8) Diethyl Ether	3.072	74	73806	18.070	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.380	101	88356	17.791	ug/l	97
10) Methyl Iodide	3.547	142	79139	16.512	ug/l #	79
11) Tert butyl alcohol	4.323	59	89788	98.281	ug/l #	88
12) 1,1-Dichloroethene	3.354	96	85364	17.394	ug/l	93
13) Acrolein	3.242	56	135279	101.297	ug/l	97
14) Allyl chloride	3.884	41	165400	17.131	ug/l	94
15) Acrylonitrile	4.481	53	364712	100.568	ug/l	98
16) Acetone	3.438	43	246185	89.830	ug/l	98
17) Carbon Disulfide	3.640	76	104882	14.437	ug/l #	94
18) Methyl Acetate	3.897	43	252616	22.085	ug/l	96
19) Methyl tert-butyl Ether	4.551	73	359109	18.285	ug/l	98
20) Methylene Chloride	4.076	84	112845	17.351	ug/l	93
21) trans-1,2-Dichloroethene	4.529	96	89555	16.600	ug/l	90
22) Diisopropyl ether	5.463	45	460642	20.360	ug/l #	93
23) Vinyl Acetate	5.389	43	1361724	105.558	ug/l #	92
24) 1,1-Dichloroethane	5.331	63	203434	17.755	ug/l	99
25) 2-Butanone	6.371	43	447853	105.581	ug/l	91
26) 2,2-Dichloropropane	6.342	77	121850m	15.384	ug/l	
27) cis-1,2-Dichloroethene	6.345	96	122843	17.699	ug/l	95
28) Bromochloromethane	6.740	49	78758m	19.076	ug/l	
29) Chloroform	6.952	83	186119	18.753	ug/l	98
30) Cyclohexane	7.269	56	160962	17.396	ug/l	86
31) 1,1,1-Trichloroethane	7.173	97	125671	17.529	ug/l #	88
35) 1,1-Dichloropropene	7.423	75	113272	17.484	ug/l	93
36) Ethyl Acetate	6.480	43	148771	19.181	ug/l #	92
37) Carbon Tetrachloride	7.404	117	89486	16.960	ug/l	90
38) Methylcyclohexane	8.880	83	135320	18.247	ug/l	94
39) Benzene	7.702	78	446547	19.140	ug/l	99
40) Methacrylonitrile	6.724	41	95602	19.834	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.795	62	122487	20.641	ug/l	92
42) Isopropyl Acetate	7.866	43	249391	19.997	ug/l	99
43) Trichloroethene	8.601	130	89616	19.973	ug/l	93
44) 1,2-Dichloropropane	8.919	63	108163	19.591	ug/l	93
45) Dibromomethane	9.015	93	59806	19.477	ug/l	95
46) Bromodichloromethane	9.243	83	114943	19.320	ug/l	90
47) Methyl methacrylate	9.028	41	112614	20.631	ug/l	98
48) 1,4-Dioxane	9.025	88	38882	442.221	ug/l	95
50) 4-Methyl-2-Pentanone	9.913	43	754949	115.950	ug/l	95
51) Toluene	10.106	92	237240	19.919	ug/l	99
52) t-1,3-Dichloropropene	10.363	75	108997	18.692	ug/l	97
53) cis-1,3-Dichloropropene	9.743	75	127942	18.292	ug/l	95
54) 1,1,2-Trichloroethane	10.571	97	92345	21.231	ug/l	93
55) Ethyl methacrylate	10.430	69	144657	20.139	ug/l	96
56) 1,3-Dichloropropane	10.728	76	160348	21.643	ug/l	98
57) 2-Chloroethyl Vinyl ether	9.586	63	51492	129.719	ug/l	100
58) 2-Hexanone	10.793	43	493847	112.511	ug/l	98
59) Dibromochloromethane	10.953	129	67259	18.271	ug/l	96
60) 1,2-Dibromoethane	11.069	107	80875	21.604	ug/l	100
63) Tetrachloroethene	10.648	164	66323	18.811	ug/l #	84
64) Chlorobenzene	11.563	112	254447	18.943	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.646	131	66144	18.029	ug/l	94
66) Ethyl Benzene	11.656	91	424262	18.917	ug/l	97
67) m/p-Xylenes	11.781	106	342990	38.279	ug/l	98
68) o-Xylene	12.153	106	168722	19.398	ug/l	95
69) Styrene	12.166	104	282945	19.466	ug/l	99
70) Bromoform	12.352	173	37508	18.065	ug/l #	62
72) Isopropylbenzene	12.500	105	403555	17.917	ug/l	99
73) N-amyl acetate	12.298	43	161041	18.033	ug/l	97
74) 1,1,2,2-Tetrachloroethane	12.782	83	124887	18.898	ug/l	99
75) 1,2,3-Trichloropropane	12.840	75	91624m	17.492	ug/l	
76) Bromobenzene	12.808	156	93768	17.989	ug/l	96
77) n-propylbenzene	12.885	91	482077	17.940	ug/l	98
78) 2-Chlorotoluene	12.981	91	268478	17.610	ug/l	97
79) 1,3,5-Trimethylbenzene	13.045	105	311831	17.705	ug/l	97
80) trans-1,4-Dichloro-2-b...	12.551	75	26046	14.482	ug/l #	76
81) 4-Chlorotoluene	13.090	91	274895	17.650	ug/l	98
82) tert-Butylbenzene	13.341	119	285022	17.791	ug/l	96
83) 1,2,4-Trimethylbenzene	13.392	105	316112	18.131	ug/l	99
84) sec-Butylbenzene	13.546	105	438275	18.447	ug/l	99
85) p-Isopropyltoluene	13.677	119	351677	18.154	ug/l	99
86) 1,3-Dichlorobenzene	13.671	146	190500	18.642	ug/l	98
87) 1,4-Dichlorobenzene	13.761	146	187132	18.245	ug/l	99
88) n-Butylbenzene	14.046	91	321125	17.986	ug/l	99
89) Hexachloroethane	14.348	117	44103	15.854	ug/l	95
90) 1,2-Dichlorobenzene	14.088	146	176739	18.415	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	14.788	75	14695	16.699	ug/l	95
92) 1,2,4-Trichlorobenzene	15.548	180	101491	17.684	ug/l	96
93) Hexachlorobutadiene	15.677	225	30424	16.316	ug/l #	72
94) Naphthalene	15.827	128	342024	19.447	ug/l	99
95) 1,2,3-Trichlorobenzene	16.052	180	102162	18.751	ug/l	99

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

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

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TIC: VR026708.D\data.ms

Abundance

Time-->

1.00 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

1,1-Dichloroethane, P
Diisopropyl ether, T
Vinyl Acetate, T
1,1-Dichloroethane, T
Ethyl Acetate, T
2,2-Dichloroethane, T
Benzene, T
1,2-Dichloroethane, T
Isopropyl acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichloroethane, T
Methylcyclohexane, T
1,2-Dichloroethane, T
Bromodichloromethane, T
2-Chloroethyl Vinyl ether, T
cis-1,3-Dichloropropene, I
Toluene, CM
1,1,3,3-Tetrachloropropane, T
1,2-Trichloropropane, T
1,3-Dichloropropane, T
1,2-Dibromoethane, I
Chlorobenzene, PM
1,1,1,2-Tetrachloroethane, C
m/p-Xylenes, T
o-Xylenes, T
N-aryl acetate, T
Bromofom, P
trans-1,4-Dichloro-2-butene, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
1,3,5-Trichlorobenzene, T
1,4-Dichlorobenzene, T
2-Chlorobutene, T
tert-Butylbenzene, T
1,2,4-Trimethylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, I
p-Isobutylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T