

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR081125\
 Data File : VR026735.D
 Acq On : 11 Aug 2025 12:17
 Operator : SY/MD
 Sample : VR0811WBSD01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0811WBSD01

Quant Time: Aug 12 02:48:01 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	357596	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.325	114	618197	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.534	117	498205	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.741	152	243211	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.683	65	212352	46.918	ug/l	-0.01
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.840%
34) Dibromofluoromethane	7.192	113	183614	48.021	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.040%
49) Toluene-d8	10.032	98	725542	52.965	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	105.920%
61) 4-Bromofluorobenzene	12.673	95	207576	53.276	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.560%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.660	85	42272	16.220	ug/l	94
3) Chloromethane	1.843	50	63551	16.404	ug/l	95
4) Vinyl Chloride	1.958	62	80127	20.240	ug/l	94
5) Bromomethane	2.302	94	45620	23.649	ug/l	93
6) Chloroethane	2.427	64	50172	19.683	ug/l	89
7) Trichlorofluoromethane	2.712	101	180081	25.237	ug/l	92
8) Diethyl Ether	3.075	74	52882	16.703	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.383	101	65695	17.067	ug/l	98
10) Methyl Iodide	3.553	142	57364	15.441	ug/l #	95
11) Tert butyl alcohol	4.320	59	50188	70.874	ug/l #	80
12) 1,1-Dichloroethene	3.361	96	60011	15.776	ug/l	94
13) Acrolein	3.242	56	79270	76.580	ug/l	97
14) Allyl chloride	3.877	41	108336	14.476	ug/l	97
15) Acrylonitrile	4.474	53	251034	89.306	ug/l	96
16) Acetone	3.441	43	222093	104.553	ug/l	91
17) Carbon Disulfide	3.643	76	71895	12.768	ug/l	99
18) Methyl Acetate	3.893	43	181767	20.502	ug/l	95
19) Methyl tert-butyl Ether	4.548	73	230652	15.152	ug/l	97
20) Methylene Chloride	4.086	84	80586m	15.986	ug/l	
21) trans-1,2-Dichloroethene	4.522	96	65581	15.683	ug/l	83
22) Diisopropyl ether	5.466	45	300118	17.114	ug/l #	87
23) Vinyl Acetate	5.382	43	878340	87.842	ug/l #	90
24) 1,1-Dichloroethane	5.328	63	145660	16.402	ug/l #	97
25) 2-Butanone	6.371	43	326496	99.304	ug/l	97
26) 2,2-Dichloropropane	6.348	77	83082	13.533	ug/l #	56
27) cis-1,2-Dichloroethene	6.355	96	85999m	15.985	ug/l	
28) Bromochloromethane	6.746	49	55596	17.373	ug/l	100
29) Chloroform	6.951	83	135808	17.654	ug/l	91
30) Cyclohexane	7.279	56	107627	15.007	ug/l	94
31) 1,1,1-Trichloroethane	7.176	97	91120	16.397	ug/l	95
35) 1,1-Dichloropropene	7.420	75	83687	17.349	ug/l	86
36) Ethyl Acetate	6.476	43	109245	18.918	ug/l #	80
37) Carbon Tetrachloride	7.407	117	69447	17.678	ug/l	90
38) Methylcyclohexane	8.883	83	94697	17.151	ug/l	95
39) Benzene	7.705	78	312299	17.978	ug/l	99
40) Methacrylonitrile	6.724	41	66402	18.503	ug/l #	48

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.799	62	82183	18.601	ug/l	91
42) Isopropyl Acetate	7.869	43	165543	17.828	ug/l #	87
43) Trichloroethene	8.604	130	64117	19.193	ug/l	93
44) 1,2-Dichloropropane	8.922	63	73720	17.934	ug/l	99
45) Dibromomethane	9.018	93	44754	19.576	ug/l	97
46) Bromodichloromethane	9.243	83	88273	19.928	ug/l	99
47) Methyl methacrylate	9.031	41	78684	19.361	ug/l	96
48) 1,4-Dioxane	9.024	88	27267	416.525	ug/l	96
50) 4-Methyl-2-Pentanone	9.920	43	534531	110.265	ug/l	96
51) Toluene	10.106	92	177884	20.060	ug/l	99
52) t-1,3-Dichloropropene	10.362	75	74029	17.051	ug/l	98
53) cis-1,3-Dichloropropene	9.743	75	91016	17.478	ug/l	97
54) 1,1,2-Trichloroethane	10.568	97	71542	22.091	ug/l	92
55) Ethyl methacrylate	10.433	69	100925	18.871	ug/l	98
56) 1,3-Dichloropropane	10.735	76	116137	21.054	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.586	63	36223	122.563	ug/l	94
58) 2-Hexanone	10.792	43	371940	113.812	ug/l	98
59) Dibromochloromethane	10.956	129	55622	20.295	ug/l	96
60) 1,2-Dibromoethane	11.068	107	61624	22.110	ug/l	97
63) Tetrachloroethene	10.651	164	52166	19.167	ug/l	92
64) Chlorobenzene	11.563	112	191785	18.497	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.652	131	54555	19.264	ug/l	97
66) Ethyl Benzene	11.659	91	310767	17.950	ug/l	98
67) m/p-Xylenes	11.787	106	251027	36.293	ug/l	100
68) o-Xylene	12.159	106	126192	18.795	ug/l	95
69) Styrene	12.172	104	210786	18.787	ug/l	99
70) Bromoform	12.358	173	30351	18.937	ug/l #	96
72) Isopropylbenzene	12.503	105	301159	17.373	ug/l	98
73) N-amyl acetate	12.301	43	109576	15.942	ug/l #	96
74) 1,1,2,2-Tetrachloroethane	12.792	83	96826	19.038	ug/l	99
75) 1,2,3-Trichloropropane	12.843	75	79613m	19.748	ug/l	
76) Bromobenzene	12.814	156	73941	18.432	ug/l	90
77) n-propylbenzene	12.891	91	374338	18.100	ug/l	99
78) 2-Chlorotoluene	12.987	91	204115	17.395	ug/l	97
79) 1,3,5-Trimethylbenzene	13.052	105	238536	17.597	ug/l	99
80) trans-1,4-Dichloro-2-b...	12.561	75	21519	15.546	ug/l #	87
81) 4-Chlorotoluene	13.093	91	211925	17.680	ug/l	97
82) tert-Butylbenzene	13.350	119	225731	18.308	ug/l	95
83) 1,2,4-Trimethylbenzene	13.401	105	243259	18.129	ug/l	99
84) sec-Butylbenzene	13.552	105	332410	18.179	ug/l	98
85) p-Isopropyltoluene	13.684	119	268376	18.001	ug/l	100
86) 1,3-Dichlorobenzene	13.671	146	150531	19.140	ug/l	99
87) 1,4-Dichlorobenzene	13.767	146	149039	18.880	ug/l	98
88) n-Butylbenzene	14.050	91	249596	18.164	ug/l	97
89) Hexachloroethane	14.354	117	34413	16.074	ug/l	91
90) 1,2-Dichlorobenzene	14.094	146	151684	20.535	ug/l	97
91) 1,2-Dibromo-3-Chloropr...	14.781	75	12526m	18.495	ug/l	
92) 1,2,4-Trichlorobenzene	15.558	180	84102	19.041	ug/l	96
93) Hexachlorobutadiene	15.680	225	27264	18.998	ug/l	95
94) Naphthalene	15.840	128	262300	19.378	ug/l	99
95) 1,2,3-Trichlorobenzene	16.065	180	87825	20.944	ug/l #	91

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

