

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082125\
 Data File : VR026752.D
 Acq On : 21 Aug 2025 11:53
 Operator : SY/MD
 Sample : VR0821WBS01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0821WBS01

Quant Time: Aug 22 06:53:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 06:50:13 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 08/25/2025
 Supervised By : Mahesh Dadoda 08/25/2025

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

Internal Standards						
1) Pentafluorobenzene	7.388	168	1814676	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.389	114	3001271	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.563	117	2366269	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.761	152	713481	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.770	65	1119392	49.120	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.240%		
34) Dibromofluoromethane	7.295	113	955144	48.795	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.580%		
49) Toluene-d8	10.074	98	3535187	53.872	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	107.740%		
61) 4-Bromofluorobenzene	12.692	95	917019	49.251	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.820	85	343607	20.038	ug/l	99
3) Chloromethane	1.824	50	40980m	20.086	ug/l	
4) Vinyl Chloride	2.128	62	584245	20.706	ug/l	100
5) Bromomethane	2.465	94	314536	36.309	ug/l	100
6) Chloroethane	2.587	64	400641	24.883	ug/l	95
7) Trichlorofluoromethane	2.876	101	1173050	21.447	ug/l	99
8) Diethyl Ether	3.239	74	366310	20.936	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.550	101	451037m	20.636	ug/l	
10) Methyl Iodide	3.720	142	490815	21.129	ug/l	98
11) Tert butyl alcohol	4.497	59	249999m	71.359	ug/l	
12) 1,1-Dichloroethene	3.527	96	481257	20.291	ug/l	98
13) Acrolein	3.415	56	165331	68.277	ug/l	99
14) Allyl chloride	4.054	41	882715	20.195	ug/l	99
15) Acrylonitrile	4.657	53	1309265	87.380	ug/l	98
16) Acetone	3.601	43	1162190	96.345	ug/l	98
17) Carbon Disulfide	3.810	76	1234469	21.430	ug/l	97
18) Methyl Acetate	4.067	43	612911	17.442	ug/l	97
19) Methyl tert-butyl Ether	4.715	73	1488379	19.785	ug/l	100
20) Methylene Chloride	4.259	84	529291	20.571	ug/l	98
21) trans-1,2-Dichloroethene	4.702	96	514768	20.758	ug/l	97
22) Diisopropyl ether	5.610	45	1920642	21.358	ug/l	95
23) Vinyl Acetate	5.543	43	7106363	119.153	ug/l #	75
24) 1,1-Dichloroethane	5.485	63	900855	20.358	ug/l	99
25) 2-Butanone	6.499	43	1677209	89.550	ug/l	92
26) 2,2-Dichloropropane	6.476	77	634960	20.945	ug/l	99
27) cis-1,2-Dichloroethene	6.473	96	570428	20.323	ug/l	98
28) Bromochloromethane	6.862	49	253144	19.329	ug/l #	18
29) Chloroform	7.061	83	820304	20.632	ug/l	97
30) Cyclohexane	7.369	56	983475	21.075	ug/l	96
31) 1,1,1-Trichloroethane	7.279	97	684648	21.207	ug/l	98
35) 1,1-Dichloropropene	7.519	75	612227	20.084	ug/l	100
36) Ethyl Acetate	6.598	43	636471	16.321	ug/l	99
37) Carbon Tetrachloride	7.500	117	529260	19.294	ug/l	95
38) Methylcyclohexane	8.941	83	791097	20.739	ug/l	98
39) Benzene	7.786	78	2077154	22.196	ug/l #	87
40) Methacrylonitrile	6.839	41	352695	17.340	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.876	62	509167	19.623	ug/l	100
42) Isopropyl Acetate	7.940	43	1024630	18.533	ug/l	97
43) Trichloroethene	8.665	130	404835	19.828	ug/l	94
44) 1,2-Dichloropropane	8.973	63	442722	19.761	ug/l	100
45) Dibromomethane	9.072	93	267712	18.810	ug/l	98
46) Bromodichloromethane	9.294	83	538555	20.329	ug/l	99
47) Methyl methacrylate	9.079	41	475919	17.636	ug/l	99
48) 1,4-Dioxane	9.079	88	105050	303.034	ug/l	94
50) 4-Methyl-2-Pentanone	9.958	43	2839071	103.868	ug/l #	74
51) Toluene	10.144	92	1131688	21.177	ug/l	83
52) t-1,3-Dichloropropene	10.401	75	506937	20.204	ug/l	97
53) cis-1,3-Dichloropropene	9.785	75	612391	20.118	ug/l	98
54) 1,1,2-Trichloroethane	10.600	97	372189	19.622	ug/l	99
55) Ethyl methacrylate	10.462	69	622270	19.073	ug/l	99
56) 1,3-Dichloropropane	10.764	76	635815	19.887	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.628	63	71862	41.105	ug/l	99
58) 2-Hexanone	10.825	43	1734266	92.828	ug/l	84
59) Dibromochloromethane	10.988	129	349225	19.574	ug/l	100
60) 1,2-Dibromoethane	11.101	107	321516	18.755	ug/l	98
63) Tetrachloroethene	10.683	164	341362	20.532	ug/l	93
64) Chlorobenzene	11.591	112	1132539	21.508	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.678	131	342150	19.353	ug/l	99
66) Ethyl Benzene	11.685	91	2060554	23.405	ug/l #	77
67) m/p-Xylenes	11.810	106	1581855	42.938	ug/l #	70
68) o-Xylene	12.179	106	750556	20.106	ug/l	89
69) Styrene	12.195	104	1151163	20.956	ug/l	91
70) Bromoform	12.378	173	183432	19.241	ug/l #	100
72) Isopropylbenzene	12.522	105	1846001	23.836	ug/l	90
73) N-amyl acetate	12.320	43	483047	17.276	ug/l	99
74) 1,1,2,2-Tetrachloroethane	12.804	83	423763	19.114	ug/l	100
75) 1,2,3-Trichloropropane	12.865	75	334712m	19.031	ug/l	
76) Bromobenzene	12.833	156	335471	19.789	ug/l	91
77) n-propylbenzene	12.910	91	2001342	24.104	ug/l	90
78) 2-Chlorotoluene	13.003	91	1058913	21.595	ug/l	99
79) 1,3,5-Trimethylbenzene	13.071	105	1292902	22.355	ug/l	97
80) trans-1,4-Dichloro-2-b...	12.577	75	100673	17.465	ug/l	88
81) 4-Chlorotoluene	13.116	91	957741	21.317	ug/l	100
82) tert-Butylbenzene	13.366	119	1201582	22.223	ug/l	92
83) 1,2,4-Trimethylbenzene	13.417	105	1132761	21.480	ug/l	99
84) sec-Butylbenzene	13.568	105	1591599	22.885	ug/l	95
85) p-Isopropyltoluene	13.700	119	1186887	21.963	ug/l	95
86) 1,3-Dichlorobenzene	13.693	146	508487	20.197	ug/l	97
87) 1,4-Dichlorobenzene	13.783	146	497496	20.511	ug/l	99
88) n-Butylbenzene	14.066	91	828321	21.452	ug/l	98
89) Hexachloroethane	14.367	117	183123	20.891	ug/l	97
90) 1,2-Dichlorobenzene	14.114	146	443458	20.974	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.804	75	38931	17.710	ug/l	95
92) 1,2,4-Trichlorobenzene	15.574	180	293004	21.093	ug/l	98
93) Hexachlorobutadiene	15.702	225	103156	22.530	ug/l	98
94) Naphthalene	15.859	128	676601	17.034	ug/l	100
95) 1,2,3-Trichlorobenzene	16.081	180	269408	19.987	ug/l	100

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

