

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082125\
 Data File : VR026753.D
 Acq On : 21 Aug 2025 12:19
 Operator : SY/MD
 Sample : VR0821WBSD01
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VR0821WBSD01

Quant Time: Aug 22 06:54:27 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	7.385	168	1897349	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.392	114	3133795	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.563	117	2412267	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.761	152	723567	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.770	65	1189329	49.915	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.820%		
34) Dibromofluoromethane	7.295	113	1006717	49.255	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.500%		
49) Toluene-d8	10.074	98	3592663	52.432	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.860%		
61) 4-Bromofluorobenzene	12.695	95	951473	48.940	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.880%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.824	85	401123	22.372	ug/l	95
3) Chloromethane	1.824	50	45421	21.292	ug/l #	99
4) Vinyl Chloride	2.128	62	631538	21.407	ug/l	97
5) Bromomethane	2.462	94	313039	34.562	ug/l	97
6) Chloroethane	2.590	64	395834	23.513	ug/l	98
7) Trichlorofluoromethane	2.879	101	1186536	20.748	ug/l	98
8) Diethyl Ether	3.235	74	380178	20.782	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.547	101	482940	21.133	ug/l	98
10) Methyl Iodide	3.717	142	520790	21.443	ug/l	98
11) Tert butyl alcohol	4.497	59	281990	76.983	ug/l #	85
12) 1,1-Dichloroethene	3.527	96	511861	20.641	ug/l	98
13) Acrolein	3.412	56	185764	73.372	ug/l	95
14) Allyl chloride	4.054	41	921680	20.167	ug/l	100
15) Acrylonitrile	4.663	53	1437213	91.740	ug/l	98
16) Acetone	3.608	43	1144911	90.777	ug/l	97
17) Carbon Disulfide	3.807	76	1312083	21.785	ug/l	99
18) Methyl Acetate	4.060	43	669631	18.225	ug/l	99
19) Methyl tert-butyl Ether	4.715	73	1602379	20.373	ug/l	99
20) Methylene Chloride	4.259	84	569122	21.155	ug/l	97
21) trans-1,2-Dichloroethene	4.702	96	532281	20.529	ug/l	96
22) Diisopropyl ether	5.613	45	2008051	21.357	ug/l	96
23) Vinyl Acetate	5.546	43	7494190	120.181	ug/l #	75
24) 1,1-Dichloroethane	5.491	63	950533	20.544	ug/l	98
25) 2-Butanone	6.499	43	1772484	90.513	ug/l	93
26) 2,2-Dichloropropane	6.476	77	659313	20.801	ug/l	98
27) cis-1,2-Dichloroethene	6.476	96	593609	20.228	ug/l	97
28) Bromochloromethane	6.865	49	256676	18.745	ug/l	99
29) Chloroform	7.057	83	855909	20.590	ug/l	100
30) Cyclohexane	7.378	56	1000096	20.497	ug/l	97
31) 1,1,1-Trichloroethane	7.275	97	704479	20.870	ug/l	99
35) 1,1-Dichloropropene	7.523	75	625926	19.665	ug/l	100
36) Ethyl Acetate	6.602	43	651580	16.001	ug/l	98
37) Carbon Tetrachloride	7.500	117	546547	19.081	ug/l	96
38) Methylcyclohexane	8.944	83	813436	20.423	ug/l	100
39) Benzene	7.789	78	2144169	21.943	ug/l	90
40) Methacrylonitrile	6.842	41	365052	17.189	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.876	62	529940	19.560	ug/l	98
42) Isopropyl Acetate	7.943	43	1086808	18.826	ug/l	97
43) Trichloroethene	8.668	130	410819	19.271	ug/l	98
44) 1,2-Dichloropropane	8.979	63	455898	19.489	ug/l	97
45) Dibromomethane	9.076	93	280522	18.877	ug/l	98
46) Bromodichloromethane	9.294	83	542227	19.602	ug/l	99
47) Methyl methacrylate	9.082	41	500507	17.763	ug/l	99
48) 1,4-Dioxane	9.082	88	118369	327.015	ug/l	98
50) 4-Methyl-2-Pentanone	9.961	43	3035122	106.344	ug/l #	74
51) Toluene	10.144	92	1158767	20.767	ug/l	85
52) t-1,3-Dichloropropene	10.401	75	512328	19.555	ug/l	97
53) cis-1,3-Dichloropropene	9.788	75	619634	19.495	ug/l	98
54) 1,1,2-Trichloroethane	10.600	97	377044	19.037	ug/l	95
55) Ethyl methacrylate	10.465	69	654868	19.223	ug/l	99
56) 1,3-Dichloropropane	10.767	76	653203	19.567	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.628	63	87093	47.711	ug/l	100
58) 2-Hexanone	10.825	43	1863766	95.541	ug/l	84
59) Dibromochloromethane	10.985	129	355177	19.066	ug/l	98
60) 1,2-Dibromoethane	11.104	107	330003	18.436	ug/l	98
63) Tetrachloroethene	10.687	164	332062	19.592	ug/l	97
64) Chlorobenzene	11.591	112	1138013	21.200	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.678	131	339848	18.856	ug/l	98
66) Ethyl Benzene	11.685	91	2077423	23.146	ug/l #	75
67) m/p-Xylenes	11.810	106	1588493	42.296	ug/l #	71
68) o-Xylene	12.182	106	754054	19.815	ug/l	89
69) Styrene	12.198	104	1161253	20.736	ug/l	91
70) Bromoform	12.378	173	189747	19.524	ug/l #	99
72) Isopropylbenzene	12.522	105	1840017	23.427	ug/l	91
73) N-amyl acetate	12.323	43	533953	18.830	ug/l	99
74) 1,1,2,2-Tetrachloroethane	12.804	83	441300	19.628	ug/l	99
75) 1,2,3-Trichloropropane	12.865	75	332994m	18.669	ug/l	
76) Bromobenzene	12.836	156	349822	20.348	ug/l	91
77) n-propylbenzene	12.910	91	2017607	23.961	ug/l	91
78) 2-Chlorotoluene	13.003	91	1061445	21.345	ug/l	99
79) 1,3,5-Trimethylbenzene	13.071	105	1333277	22.732	ug/l	94
80) trans-1,4-Dichloro-2-b...	12.580	75	107678	18.420	ug/l	95
81) 4-Chlorotoluene	13.116	91	966590	21.214	ug/l	100
82) tert-Butylbenzene	13.366	119	1219337	22.237	ug/l	92
83) 1,2,4-Trimethylbenzene	13.417	105	1153019	21.560	ug/l	97
84) sec-Butylbenzene	13.568	105	1618350	22.946	ug/l	95
85) p-Isopropyltoluene	13.696	119	1202439	21.940	ug/l	94
86) 1,3-Dichlorobenzene	13.693	146	515977	20.209	ug/l	97
87) 1,4-Dichlorobenzene	13.783	146	508317	20.665	ug/l	99
88) n-Butylbenzene	14.066	91	850580	21.721	ug/l	99
89) Hexachloroethane	14.364	117	186462	20.976	ug/l	95
90) 1,2-Dichlorobenzene	14.110	146	451018	21.035	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	14.807	75	43220	19.387	ug/l	98
92) 1,2,4-Trichlorobenzene	15.577	180	301082	21.372	ug/l	99
93) Hexachlorobutadiene	15.696	225	102843	22.148	ug/l	98
94) Naphthalene	15.856	128	849928	21.100	ug/l	100
95) 1,2,3-Trichlorobenzene	16.084	180	292980	21.433	ug/l	98

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

