

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082525\
 Data File : VR026762.D
 Acq On : 25 Aug 2025 15:46
 Operator : SY/MD
 Sample : Q2893-09
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 MDL-WATER-03-QT3-2025

Quant Time: Aug 25 23:23:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 25 23:14:36 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

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

Internal Standards						
1) Pentafluorobenzene	7.404	168	1421066	50.000	ug/l	0.02
33) 1,4-Difluorobenzene	8.405	114	2418520	50.000	ug/l	0.02
62) Chlorobenzene-d5	11.575	117	1810406	50.000	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	13.773	152	527763	50.000	ug/l	0.02
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.786	65	861041	48.249	ug/l	0.02
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.500%		
34) Dibromofluoromethane	7.314	113	726910	46.083	ug/l	0.02
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.160%		
49) Toluene-d8	10.086	98	2750686	52.017	ug/l	0.01
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.040%		
61) 4-Bromofluorobenzene	12.702	95	628279	41.874	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	83.740%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.827	85	37458	2.789	ug/l	94
3) Chloromethane	1.840	50	5331m	3.337	ug/l	
4) Vinyl Chloride	2.128	62	61427	2.780	ug/l	92
5) Bromomethane	2.465	94	25176m	3.711	ug/l	
6) Chloroethane	2.581	64	40550m	3.216	ug/l	
7) Trichlorofluoromethane	2.879	101	130582	3.049	ug/l	98
8) Diethyl Ether	3.258	74	36732m	2.681	ug/l	
9) 1,1,2-Trichlorotrifluo...	3.569	101	48675m	2.844	ug/l	
10) Methyl Iodide	3.736	142	43178m	2.374	ug/l	
11) Tert butyl alcohol	4.525	59	31650m	11.536	ug/l	
12) 1,1-Dichloroethene	3.540	96	48541m	2.613	ug/l	
13) Acrolein	3.428	56	38738	20.429	ug/l	100
14) Allyl chloride	4.067	41	87853	2.567	ug/l #	64
15) Acrylonitrile	4.673	53	149430	12.735	ug/l	99
16) Acetone	3.633	43	168396m	17.827	ug/l	
17) Carbon Disulfide	3.823	76	92486	2.050	ug/l #	95
18) Methyl Acetate	4.089	43	65477	2.379	ug/l #	87
19) Methyl tert-butyl Ether	4.740	73	148408	2.519	ug/l	100
20) Methylene Chloride	4.272	84	67872	3.368	ug/l #	85
21) trans-1,2-Dichloroethene	4.715	96	51793	2.667	ug/l	96
22) Diisopropyl ether	5.632	45	175538	2.493	ug/l #	96
23) Vinyl Acetate	5.568	43	660163	14.135	ug/l #	72
24) 1,1-Dichloroethane	5.507	63	89949	2.596	ug/l	95
25) 2-Butanone	6.525	43	204457	13.940	ug/l	91
26) 2,2-Dichloropropane	6.492	77	54079	2.278	ug/l	78
27) cis-1,2-Dichloroethene	6.496	96	54892	2.497	ug/l	86
28) Bromochloromethane	6.890	49	33094m	3.227	ug/l	
29) Chloroform	7.076	83	80917	2.599	ug/l	96
30) Cyclohexane	7.394	56	116405	3.185	ug/l #	68
31) 1,1,1-Trichloroethane	7.298	97	63305	2.504	ug/l #	47
35) 1,1-Dichloropropene	7.535	75	56823	2.313	ug/l	96
36) Ethyl Acetate	6.618	43	69800	2.221	ug/l #	91
37) Carbon Tetrachloride	7.516	117	44934	2.033	ug/l	89
38) Methylcyclohexane	8.960	83	70365	2.289	ug/l	93
39) Benzene	7.805	78	205837	2.729	ug/l #	87
40) Methacrylonitrile	6.868	41	35389	2.159	ug/l #	94

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41) 1,2-Dichloroethane	7.888	62	51689	2.472	ug/l	98
42) Isopropyl Acetate	7.959	43	98381	2.208	ug/l	99
43) Trichloroethene	8.678	130	40180	2.442	ug/l	98
44) 1,2-Dichloropropane	8.995	63	43183	2.392	ug/l	94
45) Dibromomethane	9.085	93	27446	2.393	ug/l	97
46) Bromodichloromethane	9.310	83	47351	2.218	ug/l	87
47) Methyl methacrylate	9.095	41	46281	2.128	ug/l	96
48) 1,4-Dioxane	9.095	88	14164m	50.703	ug/l	
50) 4-Methyl-2-Pentanone	9.974	43	287192	13.039	ug/l #	71
51) Toluene	10.157	92	107184	2.489	ug/l	81
52) t-1,3-Dichloropropene	10.414	75	38428	1.901	ug/l	98
53) cis-1,3-Dichloropropene	9.804	75	47300	1.928	ug/l	97
54) 1,1,2-Trichloroethane	10.613	97	36138	2.364	ug/l	96
55) Ethyl methacrylate	10.475	69	54283	2.065	ug/l	97
56) 1,3-Dichloropropane	10.780	76	62314	2.419	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.644	63	6834	4.851	ug/l #	82
58) 2-Hexanone	10.837	43	173613	11.532	ug/l	83
59) Dibromochloromethane	11.001	129	27270	1.897	ug/l	100
60) 1,2-Dibromoethane	11.116	107	30364	2.198	ug/l	98
63) Tetrachloroethene	10.699	164	34921	2.745	ug/l #	90
64) Chlorobenzene	11.601	112	110945	2.754	ug/l	92
65) 1,1,1,2-Tetrachloroethane	11.691	131	28785	2.128	ug/l	92
66) Ethyl Benzene	11.697	91	179172	2.660	ug/l #	73
67) m/p-Xylenes	11.816	106	146548	5.199	ug/l #	76
68) o-Xylene	12.191	106	63547	2.225	ug/l	91
69) Styrene	12.211	104	91115	2.168	ug/l	93
70) Bromoform	12.390	173	13544	1.857	ug/l #	77
72) Isopropylbenzene	12.535	105	160649	2.804	ug/l	91
73) N-amyl acetate	12.336	43	39348	1.902	ug/l	96
74) 1,1,2,2-Tetrachloroethane	12.817	83	42905	2.616	ug/l #	95
75) 1,2,3-Trichloropropane	12.875	75	31779m	2.443	ug/l	
76) Bromobenzene	12.849	156	30501	2.432	ug/l	88
77) n-propylbenzene	12.920	91	160321	2.610	ug/l	93
78) 2-Chlorotoluene	13.019	91	90667	2.500	ug/l	98
79) 1,3,5-Trimethylbenzene	13.080	105	103753	2.425	ug/l	100
80) trans-1,4-Dichloro-2-b...	12.589	75	5972m	1.401	ug/l	
81) 4-Chlorotoluene	13.125	91	76540	2.303	ug/l	95
82) tert-Butylbenzene	13.376	119	101092	2.528	ug/l	89
83) 1,2,4-Trimethylbenzene	13.427	105	86016	2.205	ug/l	100
84) sec-Butylbenzene	13.575	105	127932	2.487	ug/l	95
85) p-Isopropyltoluene	13.709	119	92349	2.310	ug/l	95
86) 1,3-Dichlorobenzene	13.706	146	45446	2.440	ug/l	96
87) 1,4-Dichlorobenzene	13.793	146	49559	2.762	ug/l	90
88) n-Butylbenzene	14.082	91	76918	2.693	ug/l	94
89) Hexachloroethane	14.380	117	13884	2.141	ug/l	92
90) 1,2-Dichlorobenzene	14.123	146	46128	2.949	ug/l	95
91) 1,2-Dibromo-3-Chloropr...	14.823	75	4113	2.529	ug/l	55
92) 1,2,4-Trichlorobenzene	15.580	180	29784	2.899	ug/l	98
93) Hexachlorobutadiene	15.705	225	10213m	3.015	ug/l	
94) Naphthalene	15.869	128	91903	3.128	ug/l	98
95) 1,2,3-Trichlorobenzene	16.097	180	28921m	2.901	ug/l	

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

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