

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082525\
 Data File : VR026758.D
 Acq On : 25 Aug 2025 11:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 25 22:47:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:59:04 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	7.398	168	1564219	50.000	ug/l	0.01
33) 1,4-Difluorobenzene	8.402	114	2638795	50.000	ug/l	0.01
62) Chlorobenzene-d5	11.576	117	2212637	50.000	ug/l	0.01
71) 1,4-Dichlorobenzene-d4	13.771	152	698775	50.000	ug/l	0.01
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.783	65	1056880	53.802	ug/l	0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.600%			
34) Dibromofluoromethane	7.308	113	867207	50.388	ug/l	0.02
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.780%			
49) Toluene-d8	10.083	98	2984968	51.735	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.480%			
61) 4-Bromofluorobenzene	12.705	95	874942	53.446	ug/l	0.01
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.824	85	550474	37.241	ug/l	98
3) Chloromethane	1.827	50	65792	37.410	ug/l #	98
4) Vinyl Chloride	2.129	62	1002960	41.237	ug/l	98
5) Bromomethane	2.446	94	306981	41.111	ug/l	99
6) Chloroethane	2.575	64	665988	56.563	ug/l	97
7) Trichlorofluoromethane	2.873	101	2201725	46.699	ug/l	99
8) Diethyl Ether	3.242	74	775420	51.414	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.553	101	859711	45.633	ug/l	98
10) Methyl Iodide	3.720	142	1017714	50.827	ug/l	99
11) Tert butyl alcohol	4.510	59	726222	240.482	ug/l #	84
12) 1,1-Dichloroethene	3.528	96	923155	45.154	ug/l	97
13) Acrolein	3.419	56	367103	200.499	ug/l	98
14) Allyl chloride	4.057	41	1875922	49.789	ug/l	99
15) Acrylonitrile	4.670	53	3477574	269.256	ug/l	99
16) Acetone	3.618	43	2397894	230.612	ug/l	100
17) Carbon Disulfide	3.813	76	2256715	45.449	ug/l	100
18) Methyl Acetate	4.073	43	1640627	54.163	ug/l	98
19) Methyl tert-butyl Ether	4.734	73	3662444	56.481	ug/l	99
20) Methylene Chloride	4.263	84	1101660	49.671	ug/l	95
21) trans-1,2-Dichloroethene	4.712	96	1076745	50.371	ug/l	98
22) Diisopropyl ether	5.623	45	4407467	56.861	ug/l	99
23) Vinyl Acetate	5.559	43	12440602m	328.587	ug/l	
24) 1,1-Dichloroethane	5.495	63	1946626	51.034	ug/l	99
25) 2-Butanone	6.509	43	4310788	267.015	ug/l	95
26) 2,2-Dichloropropane	6.486	77	1247515	47.740	ug/l	98
27) cis-1,2-Dichloroethene	6.489	96	1306054	53.983	ug/l	99
28) Bromochloromethane	6.871	49	566528	50.184	ug/l #	18
29) Chloroform	7.070	83	1862569	54.348	ug/l	99
30) Cyclohexane	7.378	56	1809566	44.986	ug/l	97
31) 1,1,1-Trichloroethane	7.292	97	1418194	50.962	ug/l	99
35) 1,1-Dichloropropene	7.532	75	1273802	47.526	ug/l	100
36) Ethyl Acetate	6.615	43	1756612	51.231	ug/l	99
37) Carbon Tetrachloride	7.510	117	1142685	47.378	ug/l	98
38) Methylcyclohexane	8.954	83	1551121	46.249	ug/l	97
39) Benzene	7.799	78	4451322	54.099	ug/l	93
40) Methacrylonitrile	6.852	41	954093	53.351	ug/l	96

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41) 1,2-Dichloroethane	7.885	62	1206387	52.879	ug/l	100
42) Isopropyl Acetate	7.953	43	2731840	56.198	ug/l	98
43) Trichloroethene	8.678	130	861912	48.015	ug/l	97
44) 1,2-Dichloropropane	8.986	63	1033737	52.480	ug/l	100
45) Dibromomethane	9.089	93	680892	54.414	ug/l	99
46) Bromodichloromethane	9.304	83	1274584	54.721	ug/l	99
47) Methyl methacrylate	9.089	41	1338863	56.430	ug/l	99
48) 1,4-Dioxane	9.085	88	327277	1073.767	ug/l	99
50) 4-Methyl-2-Pentanone	9.971	43	6637276	379.603	ug/l	90
51) Toluene	10.157	92	2484079	52.870	ug/l	89
52) t-1,3-Dichloropropene	10.411	75	1278593	57.958	ug/l	98
53) cis-1,3-Dichloropropene	9.798	75	1507472	56.326	ug/l	98
54) 1,1,2-Trichloroethane	10.613	97	919028	55.107	ug/l	99
55) Ethyl methacrylate	10.475	69	1652887	57.621	ug/l	99
56) 1,3-Dichloropropane	10.777	76	1573454	55.976	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.641	63	446197	236.138	ug/l	99
58) 2-Hexanone	10.838	43	4906772	298.718	ug/l	91
59) Dibromochloromethane	10.998	129	904461	57.658	ug/l	100
60) 1,2-Dibromoethane	11.114	107	833223	55.281	ug/l	99
63) Tetrachloroethene	10.696	164	706932	45.472	ug/l	97
64) Chlorobenzene	11.605	112	2551904	51.828	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.691	131	861905	52.136	ug/l	99
66) Ethyl Benzene	11.694	91	4434977	53.872	ug/l #	85
67) m/p-Xylenes	11.820	106	3677890	106.764	ug/l	86
68) o-Xylene	12.192	106	1796331	51.462	ug/l	91
69) Styrene	12.208	104	2873231	55.936	ug/l	95
70) Bromoform	12.391	173	512016	57.438	ug/l #	100
72) Isopropylbenzene	12.532	105	3912990	51.588	ug/l	93
73) N-amyl acetate	12.330	43	1661802	60.684	ug/l	99
74) 1,1,2,2-Tetrachloroethane	12.814	83	1182057	54.439	ug/l	99
75) 1,2,3-Trichloropropane	12.872	75	918390m	53.317	ug/l	
76) Bromobenzene	12.846	156	863495	52.009	ug/l	99
77) n-propylbenzene	12.923	91	4245046	52.203	ug/l	94
78) 2-Chlorotoluene	13.016	91	2541194	52.916	ug/l	98
79) 1,3,5-Trimethylbenzene	13.081	105	2988969	52.769	ug/l	97
80) trans-1,4-Dichloro-2-b...	12.586	75	338194	49.340	ug/l	99
81) 4-Chlorotoluene	13.126	91	2379299	54.072	ug/l	99
82) tert-Butylbenzene	13.376	119	2699934	50.986	ug/l	94
83) 1,2,4-Trimethylbenzene	13.427	105	2818181	54.565	ug/l	97
84) sec-Butylbenzene	13.578	105	3497876	51.354	ug/l	96
85) p-Isopropyltoluene	13.706	119	2770464	52.344	ug/l	96
86) 1,3-Dichlorobenzene	13.703	146	1256914	50.975	ug/l	99
87) 1,4-Dichlorobenzene	13.793	146	1205287	50.738	ug/l	100
88) n-Butylbenzene	14.075	91	1874753	49.574	ug/l	98
89) Hexachloroethane	14.377	117	441877	51.471	ug/l	98
90) 1,2-Dichlorobenzene	14.120	146	1040680	50.257	ug/l	98
91) 1,2-Dibromo-3-Chloropr...	14.813	75	109874	50.653	ug/l	97
92) 1,2,4-Trichlorobenzene	15.584	180	681011	50.056	ug/l	99
93) Hexachlorobutadiene	15.709	225	213835	47.685	ug/l	100
94) Naphthalene	15.866	128	1954985	50.255	ug/l	99
95) 1,2,3-Trichlorobenzene	16.094	180	670609	50.799	ug/l	98

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

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