

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082125\
 Data File : VR026750.D
 Acq On : 21 Aug 2025 8:43
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 22 06:51:36 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	2124455	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.386	114	3320499	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.563	117	2680266	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.761	152	838227	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.767	65	1317153	49.370	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.740%		
34) Dibromofluoromethane	7.292	113	1098709	50.733	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.460%		
49) Toluene-d8	10.074	98	3865880	53.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	106.500%		
61) 4-Bromofluorobenzene	12.692	95	1109696	53.869	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	107.740%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.817	85	889195	44.293	ug/l	100
3) Chloromethane	1.820	50	101027	42.297	ug/l #	98
4) Vinyl Chloride	2.125	62	1489460	45.090	ug/l	100
5) Bromomethane	2.446	94	466497	45.999	ug/l	90
6) Chloroethane	2.578	64	960480	50.955	ug/l	96
7) Trichlorofluoromethane	2.870	101	3031353	47.340	ug/l	100
8) Diethyl Ether	3.236	74	949124	46.335	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.537	101	1252571	48.953	ug/l	99
10) Methyl Iodide	3.707	142	1398098	51.411	ug/l	99
11) Tert butyl alcohol	4.487	59	710025	173.116	ug/l #	84
12) 1,1-Dichloroethene	3.521	96	1350801	48.647	ug/l	94
13) Acrolein	3.406	56	511661	180.490	ug/l	96
14) Allyl chloride	4.044	41	2458585	48.046	ug/l	99
15) Acrylonitrile	4.648	53	3650074	208.085	ug/l	99
16) Acetone	3.598	43	3464513	245.326	ug/l	99
17) Carbon Disulfide	3.804	76	3521019	52.212	ug/l	99
18) Methyl Acetate	4.057	43	1667912	40.543	ug/l	98
19) Methyl tert-butyl Ether	4.712	73	4265758	48.437	ug/l	98
20) Methylene Chloride	4.250	84	1404661	46.631	ug/l	96
21) trans-1,2-Dichloroethene	4.699	96	1459229	50.263	ug/l	96
22) Diisopropyl ether	5.607	45	5199881	49.393	ug/l	97
23) Vinyl Acetate	5.540	43	15228002	218.099	ug/l	91
24) 1,1-Dichloroethane	5.479	63	2494018	48.142	ug/l	99
25) 2-Butanone	6.493	43	4790388	218.474	ug/l	97
26) 2,2-Dichloropropane	6.470	77	1975905	55.675	ug/l	100
27) cis-1,2-Dichloroethene	6.473	96	1680827	51.153	ug/l	99
28) Bromochloromethane	6.862	49	710974	46.371	ug/l	97
29) Chloroform	7.057	83	2322264	49.892	ug/l	99
30) Cyclohexane	7.372	56	2655505	48.607	ug/l	99
31) 1,1,1-Trichloroethane	7.272	97	1958559	51.820	ug/l	99
35) 1,1-Dichloropropene	7.516	75	1818345	53.915	ug/l	100
36) Ethyl Acetate	6.595	43	1848792	42.850	ug/l	99
37) Carbon Tetrachloride	7.494	117	1657193	54.604	ug/l	99
38) Methylcyclohexane	8.941	83	2305003	54.617	ug/l	98
39) Benzene	7.786	78	5525528	53.368	ug/l	97
40) Methacrylonitrile	6.836	41	1014944	45.102	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.872	62	1453205	50.620	ug/l	99
42) Isopropyl Acetate	7.937	43	2936152	48.001	ug/l	99
43) Trichloroethene	8.662	130	1148365	50.839	ug/l	98
44) 1,2-Dichloropropane	8.973	63	1278491	51.580	ug/l	99
45) Dibromomethane	9.073	93	806951	51.248	ug/l	100
46) Bromodichloromethane	9.294	83	1580709	53.932	ug/l	98
47) Methyl methacrylate	9.079	41	1441102	48.269	ug/l	99
48) 1,4-Dioxane	9.076	88	316213	824.473	ug/l	99
50) 4-Methyl-2-Pentanone	9.958	43	6658500	220.182	ug/l	91
51) Toluene	10.144	92	3199362	54.114	ug/l	96
52) t-1,3-Dichloropropene	10.398	75	1559213	56.168	ug/l	98
53) cis-1,3-Dichloropropene	9.785	75	1819917	54.039	ug/l	99
54) 1,1,2-Trichloroethane	10.603	97	1044045	49.751	ug/l	99
55) Ethyl methacrylate	10.462	69	1817148	50.342	ug/l	99
56) 1,3-Dichloropropane	10.764	76	1781012	50.352	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.628	63	340385	175.983	ug/l	100
58) 2-Hexanone	10.825	43	5025766	243.147	ug/l	93
59) Dibromochloromethane	10.988	129	1050906	53.240	ug/l	100
60) 1,2-Dibromoethane	11.104	107	936842	49.395	ug/l	98
63) Tetrachloroethene	10.683	164	932502	49.517	ug/l	98
64) Chlorobenzene	11.588	112	3093288	51.862	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.678	131	1063411	53.102	ug/l	100
66) Ethyl Benzene	11.685	91	5338477	53.533	ug/l	93
67) m/p-Xylenes	11.810	106	4666306	111.823	ug/l	95
68) o-Xylene	12.182	106	2303110	54.468	ug/l	97
69) Styrene	12.195	104	3547157	57.008	ug/l	98
70) Bromoform	12.378	173	577142	53.448	ug/l #	99
72) Isopropylbenzene	12.525	105	4829546	53.079	ug/l	96
73) N-amyl acetate	12.320	43	1795842	54.669	ug/l	99
74) 1,1,2,2-Tetrachloroethane	12.805	83	1265458	48.585	ug/l	100
75) 1,2,3-Trichloropropane	12.862	75	1056052m	51.109	ug/l	
76) Bromobenzene	12.833	156	1041566	52.297	ug/l	97
77) n-propylbenzene	12.910	91	5232790	53.644	ug/l	97
78) 2-Chlorotoluene	13.003	91	3166881	54.974	ug/l	99
79) 1,3,5-Trimethylbenzene	13.071	105	3728827	54.879	ug/l	98
80) trans-1,4-Dichloro-2-b...	12.573	75	368734	54.449	ug/l	100
81) 4-Chlorotoluene	13.116	91	2983503	56.523	ug/l	99
82) tert-Butylbenzene	13.366	119	3398507	53.501	ug/l	99
83) 1,2,4-Trimethylbenzene	13.417	105	3466719	55.955	ug/l	98
84) sec-Butylbenzene	13.568	105	4387549	53.699	ug/l	98
85) p-Isopropyltoluene	13.697	119	3449646	54.334	ug/l	98
86) 1,3-Dichlorobenzene	13.693	146	1519895	51.386	ug/l	99
87) 1,4-Dichlorobenzene	13.783	146	1455609	51.081	ug/l	99
88) n-Butylbenzene	14.066	91	2438636	53.757	ug/l	99
89) Hexachloroethane	14.367	117	541892	52.620	ug/l	99
90) 1,2-Dichlorobenzene	14.114	146	1251350	50.377	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	14.804	75	117323	45.427	ug/l	96
92) 1,2,4-Trichlorobenzene	15.571	180	852603	52.243	ug/l	100
93) Hexachlorobutadiene	15.702	225	299312	55.642	ug/l	97
94) Naphthalene	15.856	128	2096019	44.917	ug/l	100
95) 1,2,3-Trichlorobenzene	16.081	180	786995	49.697	ug/l	99

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

