

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR102225\
 Data File : VR026788.D
 Acq On : 22 Oct 2025 16:32
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ICVVR102225

Quant Time: Oct 24 09:29:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R102225W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 24 09:26:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/24/2025
 Supervised By : Mahesh Dadoda 10/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.814	168	861028	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.789	114	1627598	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.938	117	1541223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.147	152	962524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.190	65	326282	48.568	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	97.140%	
35) Dibromofluoromethane	7.743	113	328026	49.029	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.060%	
50) Toluene-d8	10.452	98	869214	46.570	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.140%	
62) 4-Bromofluorobenzene	13.066	95	561928	45.723	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.440%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.997	85	292394	45.375	ug/l	96
3) Chloromethane	2.202	50	398005	49.070	ug/l	99
4) Vinyl Chloride	2.338	62	479645	49.150	ug/l	97
5) Bromomethane	2.684	94	274366	43.930	ug/l	91
6) Chloroethane	2.813	64	356665	50.875	ug/l #	88
7) Trichlorofluoromethane	3.160	101	624380	47.042	ug/l	93
8) Diethyl Ether	3.583	74	324698	50.523	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.924	101	414635	49.567	ug/l	96
10) Methyl Iodide	4.118	142	504929	52.847	ug/l	100
11) Tert butyl alcohol	4.987	59	821928	249.199	ug/l	100
12) 1,1-Dichloroethene	3.895	96	411494	49.334	ug/l	90
13) Acrolein	3.765	56	478047	219.323	ug/l	98
14) Allyl chloride	4.488	41	906497	51.954	ug/l	100
15) Acrylonitrile	5.158	53	1852130	254.180	ug/l	99
16) Acetone	3.989	43	1930465	239.145	ug/l	98
17) Carbon Disulfide	4.218	76	729973	48.134	ug/l	96
18) Methyl Acetate	4.500	43	1224940	52.970	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	1769728	49.882	ug/l	99
20) Methylene Chloride	4.717	84	506421	48.465	ug/l	97
21) trans-1,2-Dichloroethene	5.211	96	407481	48.031	ug/l	98
22) Diisopropyl ether	6.121	45	1881060	50.429	ug/l	97
23) Vinyl Acetate	6.045	43	5948139	242.220	ug/l	99
24) 1,1-Dichloroethane	5.998	63	944054	49.741	ug/l	98
25) 2-Butanone	6.985	43	2707806	229.220	ug/l	99
26) 2,2-Dichloropropane	6.973	77	796362	49.114	ug/l	99
27) cis-1,2-Dichloroethene	6.973	96	589300	49.711	ug/l	96
28) Bromochloromethane	7.338	49	461782	53.848	ug/l	98
29) Tetrahydrofuran	7.373	42	1588316	243.599	ug/l	100
30) Chloroform	7.514	83	940081	51.145	ug/l	98
31) Cyclohexane	7.825	56	729474	45.963	ug/l	98
32) 1,1,1-Trichloroethane	7.725	97	754930	49.632	ug/l	97
36) 1,1-Dichloropropene	7.955	75	610124	47.475	ug/l	98
37) Ethyl Acetate	7.079	43	884365	46.972	ug/l	99
38) Carbon Tetrachloride	7.949	117	597480	49.855	ug/l	98
39) Methylcyclohexane	9.341	83	764368	47.297	ug/l	99
40) Benzene	8.219	78	2072157	48.134	ug/l	99

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41) Methacrylonitrile	7.308	41	497331	44.814	ug/l	94
42) 1,2-Dichloroethane	8.295	62	675813	47.911	ug/l	98
43) Isopropyl Acetate	8.337	43	1515751	48.077	ug/l	94
44) Trichloroethene	9.065	130	483987	47.106	ug/l	97
45) 1,2-Dichloropropane	9.365	63	537788	47.837	ug/l	91
46) Dibromomethane	9.465	93	357418	47.902	ug/l	97
47) Bromodichloromethane	9.676	83	760695	49.003	ug/l	99
48) Methyl methacrylate	9.453	41	724674	48.915	ug/l	99
49) 1,4-Dioxane	9.459	88	323936	993.604	ug/l	98
51) 4-Methyl-2-Pentanone	10.322	43	4952831	239.592	ug/l	100
52) Toluene	10.522	92	1382023	47.653	ug/l	98
53) t-1,3-Dichloropropene	10.769	75	866136	48.898	ug/l	99
54) cis-1,3-Dichloropropene	10.164	75	878421	47.670	ug/l	98
55) 1,1,2-Trichloroethane	10.969	97	566163	48.323	ug/l	97
56) Ethyl methacrylate	10.822	69	1036072	47.764	ug/l	100
57) 1,3-Dichloropropane	11.139	76	954683	48.581	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.999	63	278648	238.239	ug/l	97
59) 2-Hexanone	11.186	43	4206384	232.682	ug/l	99
60) Dibromochloromethane	11.362	129	592245	49.440	ug/l	97
61) 1,2-Dibromoethane	11.480	107	539863	46.320	ug/l	99
64) Tetrachloroethene	11.063	164	394713	48.764	ug/l	96
65) Chlorobenzene	11.968	112	1651309	48.152	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.050	131	505538	47.803	ug/l	97
67) Ethyl Benzene	12.056	91	2799806	48.782	ug/l	97
68) m/p-Xylenes	12.185	106	2188060	97.138	ug/l	98
69) o-Xylene	12.555	106	1121344	49.678	ug/l	98
70) Styrene	12.573	104	2033208	49.238	ug/l	100
71) Bromoform	12.761	173	421762	48.309	ug/l #	98
73) Isopropylbenzene	12.896	105	2835042	50.419	ug/l	99
74) N-amyl acetate	12.673	43	1539368	49.107	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.178	83	1079560	51.909	ug/l	97
76) 1,2,3-Trichloropropane	13.237	75	868640m	49.887	ug/l	
77) Bromobenzene	13.219	156	695253	50.643	ug/l	97
78) n-propylbenzene	13.284	91	3537326	50.974	ug/l	100
79) 2-Chlorotoluene	13.384	91	2102258	50.761	ug/l	99
80) 1,3,5-Trimethylbenzene	13.442	105	2541706	51.496	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.949	75	382023	51.193	ug/l	96
82) 4-Chlorotoluene	13.495	91	2226043	51.207	ug/l	99
83) tert-Butylbenzene	13.742	119	2284366	48.782	ug/l	97
84) 1,2,4-Trimethylbenzene	13.795	105	2729443	50.932	ug/l	99
85) sec-Butylbenzene	13.948	105	3490527	51.741	ug/l	100
86) p-Isopropyltoluene	14.071	119	3037478	51.899	ug/l	99
87) 1,3-Dichlorobenzene	14.077	146	1541238	49.353	ug/l	98
88) 1,4-Dichlorobenzene	14.171	146	1616208	49.861	ug/l	98
89) n-Butylbenzene	14.447	91	3064677	53.516	ug/l	100
90) Hexachloroethane	14.759	117	495371	52.279	ug/l	97
91) 1,2-Dichlorobenzene	14.500	146	1629341	50.899	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	15.217	75	250873	52.466	ug/l	99
93) 1,2,4-Trichlorobenzene	16.028	180	1119130	55.152	ug/l	98
94) Hexachlorobutadiene	16.157	225	382486	53.037	ug/l	99
95) Naphthalene	16.333	128	3658736	57.497	ug/l	99
96) 1,2,3-Trichlorobenzene	16.568	180	1075179	53.789	ug/l	96

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

