

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR100325\
 Data File : VR026777.D
 Acq On : 3 Oct 2025 16:41
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC020

Quant Time: Oct 04 04:33:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_T\methods\82R100325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 04 04:30:20 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

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

Internal Standards						
1) Pentafluorobenzene	7.778	168	1260329	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.753	114	2043277	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.902	117	1920877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.106	152	1288711	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.160	65	316008	20.858	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.720%	
35) Dibromofluoromethane	7.701	113	234672	20.863	ug/l	0.00
Spiked Amount 50.000			Recovery	=	41.720%	
50) Toluene-d8	10.416	98	1015278	21.828	ug/l	0.00
Spiked Amount 50.000			Recovery	=	43.660%	
62) 4-Bromofluorobenzene	13.031	95	408470	19.992	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.980%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.984	85	269987	22.369	ug/l	98
3) Chloromethane	2.196	50	319051	19.456	ug/l	98
4) Vinyl Chloride	2.319	62	243530	21.011	ug/l	98
5) Bromomethane	2.678	94	129063	35.754	ug/l	100
6) Chloroethane	2.831	64	140389	21.884	ug/l	93
7) Trichlorofluoromethane	3.154	101	431132	21.817	ug/l	98
8) Diethyl Ether	3.553	74	178569	19.905	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.900	101	242678	20.136	ug/l	99
10) Methyl Iodide	4.088	142	323090	20.135	ug/l	99
11) Tert butyl alcohol	4.940	59	347228	94.393	ug/l	100
12) 1,1-Dichloroethene	3.876	96	264483	20.920	ug/l	99
13) Acrolein	3.741	56	346733	93.026	ug/l	98
14) Allyl chloride	4.464	41	541771	20.806	ug/l	98
15) Acrylonitrile	5.122	53	1019008	102.463	ug/l	100
16) Acetone	3.959	43	959994	95.267	ug/l	99
17) Carbon Disulfide	4.194	76	613700	21.011	ug/l	97
18) Methyl Acetate	4.470	43	503352	20.757	ug/l	100
19) Methyl tert-butyl Ether	5.193	73	899376	20.672	ug/l	97
20) Methylene Chloride	4.681	84	309953	20.168	ug/l	97
21) trans-1,2-Dichloroethene	5.175	96	276170	20.189	ug/l	96
22) Diisopropyl ether	6.080	45	1039557	21.021	ug/l	98
23) Vinyl Acetate	6.009	43	3807567	114.479	ug/l #	93
24) 1,1-Dichloroethane	5.956	63	512685	20.644	ug/l	98
25) 2-Butanone	6.943	43	1471679	102.465	ug/l	98
26) 2,2-Dichloropropane	6.943	77	382713	21.238	ug/l	100
27) cis-1,2-Dichloroethene	6.932	96	326017	20.666	ug/l	98
28) Bromochloromethane	7.302	49	250234	20.180	ug/l	99
29) Tetrahydrofuran	7.331	42	957467	102.424	ug/l	99
30) Chloroform	7.478	83	487480	20.424	ug/l	100
31) Cyclohexane	7.790	56	524204	20.184	ug/l	97
32) 1,1,1-Trichloroethane	7.696	97	417124	20.730	ug/l	99
36) 1,1-Dichloropropene	7.925	75	369645	20.399	ug/l	99
37) Ethyl Acetate	7.043	43	538259	20.362	ug/l	99
38) Carbon Tetrachloride	7.907	117	329764	20.735	ug/l	99
39) Methylcyclohexane	9.305	83	477015	20.555	ug/l	98
40) Benzene	8.183	78	1173277	20.692	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.272	41	293008	20.685	ug/l	97
42) 1,2-Dichloroethane	8.260	62	375019	20.129	ug/l	100
43) Isopropyl Acetate	8.307	43	793669	21.382	ug/l	100
44) Trichloroethene	9.029	130	284981	20.253	ug/l	94
45) 1,2-Dichloropropane	9.335	63	267875	20.082	ug/l	98
46) Dibromomethane	9.435	93	180083	20.261	ug/l	97
47) Bromodichloromethane	9.646	83	352945	20.748	ug/l	100
48) Methyl methacrylate	9.423	41	392156	20.460	ug/l	99
49) 1,4-Dioxane	9.429	88	173205	381.634	ug/l	96
51) 4-Methyl-2-Pentanone	10.293	43	2700267	110.613	ug/l	91
52) Toluene	10.486	92	763803	20.666	ug/l	97
53) t-1,3-Dichloropropene	10.733	75	402049	21.000	ug/l	98
54) cis-1,3-Dichloropropene	10.128	75	429153	21.343	ug/l	98
55) 1,1,2-Trichloroethane	10.939	97	265653	20.330	ug/l	96
56) Ethyl methacrylate	10.786	69	505704	20.844	ug/l	98
57) 1,3-Dichloropropane	11.103	76	483611	20.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.963	63	217504	86.048	ug/l	98
59) 2-Hexanone	11.150	43	2186857	103.810	ug/l	94
60) Dibromochloromethane	11.327	129	268092	21.253	ug/l	97
61) 1,2-Dibromoethane	11.444	107	279977	20.124	ug/l	99
64) Tetrachloroethene	11.027	164	258789	20.284	ug/l	98
65) Chlorobenzene	11.932	112	869283	20.455	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.014	131	258504	20.972	ug/l	99
67) Ethyl Benzene	12.020	91	1538487	21.759	ug/l	93
68) m/p-Xylenes	12.143	106	1221402	42.272	ug/l	90
69) o-Xylene	12.519	106	593990	21.059	ug/l	97
70) Styrene	12.537	104	1053506	21.232	ug/l	99
71) Bromoform	12.725	173	193374	20.319	ug/l #	99
73) Isopropylbenzene	12.860	105	1553567	22.292	ug/l	97
74) N-amyl acetate	12.643	43	805390	20.712	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.142	83	463383	20.071	ug/l	98
76) 1,2,3-Trichloropropane	13.201	75	463924m	21.689	ug/l	
77) Bromobenzene	13.183	156	403260	20.813	ug/l	97
78) n-propylbenzene	13.248	91	1900268	22.115	ug/l	97
79) 2-Chlorotoluene	13.348	91	1133153	21.155	ug/l	99
80) 1,3,5-Trimethylbenzene	13.407	105	1378042	21.861	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.907	75	155039	20.804	ug/l	96
82) 4-Chlorotoluene	13.459	91	1231331	20.799	ug/l	98
83) tert-Butylbenzene	13.706	119	1225254	21.807	ug/l	98
84) 1,2,4-Trimethylbenzene	13.753	105	1434932	21.213	ug/l	99
85) sec-Butylbenzene	13.906	105	1800648	22.041	ug/l	97
86) p-Isopropyltoluene	14.035	119	1616739	21.799	ug/l	97
87) 1,3-Dichlorobenzene	14.041	146	853601	19.971	ug/l	99
88) 1,4-Dichlorobenzene	14.129	146	886549	19.715	ug/l	98
89) n-Butylbenzene	14.405	91	1554441	21.417	ug/l	97
90) Hexachloroethane	14.723	117	210507	21.268	ug/l	100
91) 1,2-Dichlorobenzene	14.464	146	884016	20.729	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	15.169	75	130433	22.276	ug/l	99
93) 1,2,4-Trichlorobenzene	15.980	180	625939	20.272	ug/l	99
94) Hexachlorobutadiene	16.109	225	267060	20.034	ug/l	99
95) Naphthalene	16.286	128	1930057	19.436	ug/l	99
96) 1,2,3-Trichlorobenzene	16.526	180	610981	20.460	ug/l	99

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

