

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR080425\
 Data File : VR026691.D
 Acq On : 4 Aug 2025 12:00
 Operator : SY/MD
 Sample : VSTDICCC050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/05/2025
 Supervised By :Semsettin Yesilyurt 08/05/2025

Quant Time: Aug 05 01:56:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R080425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 05 01:53:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.304	168	773917	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.331	114	1385026	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.543	117	1021787	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.748	152	481907	50.000	ug/l	0.00

System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.696	65	496576	50.696	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.400%
34) Dibromofluoromethane	7.205	113	443674	51.792	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.580%
49) Toluene-d8	10.038	98	1589979	51.807	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.620%
61) 4-Bromofluorobenzene	12.676	95	448000	51.322	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.640%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.666	85	275988	48.930	ug/l	100
3) Chloromethane	1.849	50	396570	47.299	ug/l	100
4) Vinyl Chloride	1.965	62	401149	46.820	ug/l	100
5) Bromomethane	2.305	94	199516	47.789	ug/l	100
6) Chloroethane	2.433	64	251078	45.513	ug/l	100
7) Trichlorofluoromethane	2.719	101	747729	48.419	ug/l	100
8) Diethyl Ether	3.085	74	335840	49.014	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.390	101	407735	48.926	ug/l	100
10) Methyl Iodide	3.556	142	407416	50.672	ug/l	100
11) Tert butyl alcohol	4.333	59	385341	251.439	ug/l	100
12) 1,1-Dichloroethene	3.370	96	405203	49.220	ug/l	100
13) Acrolein	3.248	56	563158	251.381	ug/l	100
14) Allyl chloride	3.893	41	751525	46.401	ug/l	100
15) Acrylonitrile	4.487	53	1570304	258.125	ug/l	100
16) Acetone	3.447	43	1202681	261.606	ug/l	100
17) Carbon Disulfide	3.653	76	610782	50.120	ug/l	100
18) Methyl Acetate	3.903	43	965569	50.322	ug/l	100
19) Methyl tert-butyl Ether	4.564	73	1632663	49.556	ug/l	100
20) Methylene Chloride	4.096	84	521533	47.803	ug/l	100
21) trans-1,2-Dichloroethene	4.542	96	441700	48.806	ug/l	100
22) Diisopropyl ether	5.475	45	1879095	49.511	ug/l	100
23) Vinyl Acetate	5.402	43	5450918	251.889	ug/l	100
24) 1,1-Dichloroethane	5.344	63	928260	48.296	ug/l	100
25) 2-Butanone	6.380	43	1843323	259.052	ug/l	100
26) 2,2-Dichloropropane	6.361	77	673403	50.681	ug/l	100
27) cis-1,2-Dichloroethene	6.367	96	584943	50.239	ug/l	100
28) Bromochloromethane	6.756	49	312834	45.169	ug/l	100
29) Chloroform	6.964	83	829764	49.839	ug/l	100
30) Cyclohexane	7.288	56	712555	45.907	ug/l	100
31) 1,1,1-Trichloroethane	7.189	97	608873	50.615	ug/l	100
35) 1,1-Dichloropropene	7.439	75	548488	50.753	ug/l	100
36) Ethyl Acetate	6.489	43	658269	50.879	ug/l	100
37) Carbon Tetrachloride	7.420	117	452217	51.380	ug/l	100
38) Methylcyclohexane	8.893	83	621519	50.242	ug/l	100
39) Benzene	7.715	78	1960331	50.371	ug/l	100
40) Methacrylonitrile	6.730	41	397142	49.393	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.802	62	485214	49.018	ug/l	100
42) Isopropyl Acetate	7.876	43	1063162	51.105	ug/l	100
43) Trichloroethene	8.614	130	364656	48.722	ug/l	100
44) 1,2-Dichloropropane	8.928	63	451455	49.019	ug/l	100
45) Dibromomethane	9.028	93	249415	48.696	ug/l	100
46) Bromodichloromethane	9.252	83	509344	51.324	ug/l	100
47) Methyl methacrylate	9.034	41	477535	52.447	ug/l	100
48) 1,4-Dioxane	9.031	88	150821	1028.333	ug/l	100
50) 4-Methyl-2-Pentanone	9.923	43	2855515	262.917	ug/l	100
51) Toluene	10.109	92	995055	50.086	ug/l	100
52) t-1,3-Dichloropropene	10.372	75	508697	52.298	ug/l	100
53) cis-1,3-Dichloropropene	9.750	75	607813	52.096	ug/l	100
54) 1,1,2-Trichloroethane	10.571	97	367870	50.702	ug/l	100
55) Ethyl methacrylate	10.436	69	642927	53.658	ug/l	100
56) 1,3-Dichloropropane	10.741	76	631039	51.061	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.592	63	191957	289.900	ug/l	100
58) 2-Hexanone	10.799	43	2019641	275.840	ug/l	100
59) Dibromochloromethane	10.959	129	320178	52.143	ug/l	100
60) 1,2-Dibromoethane	11.078	107	315814	50.574	ug/l	100
63) Tetrachloroethene	10.661	164	273048	48.917	ug/l	100
64) Chlorobenzene	11.572	112	1048836	49.322	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.659	131	306972	52.852	ug/l	100
66) Ethyl Benzene	11.665	91	1801806	50.745	ug/l	100
67) m/p-Xylenes	11.791	106	1430648	100.851	ug/l	100
68) o-Xylene	12.163	106	701631	50.952	ug/l	100
69) Styrene	12.179	104	1175810	51.097	ug/l	100
70) Bromoform	12.362	173	179870	54.719	ug/l	100
72) Isopropylbenzene	12.506	105	1692283	49.269	ug/l	100
73) N-amyl acetate	12.307	43	693686	50.936	ug/l	100
74) 1,1,2,2-Tetrachloroethane	12.792	83	499949	49.609	ug/l	100
75) 1,2,3-Trichloropropane	12.846	75	390432m	48.355	ug/l	100
76) Bromobenzene	12.817	156	385051	48.441	ug/l	100
77) n-propylbenzene	12.894	91	2042247	49.836	ug/l	100
78) 2-Chlorotoluene	12.991	91	1124939	48.384	ug/l	100
79) 1,3,5-Trimethylbenzene	13.055	105	1335998	49.740	ug/l	100
80) trans-1,4-Dichloro-2-b...	12.561	75	150112	54.732	ug/l	100
81) 4-Chlorotoluene	13.103	91	1143596	48.149	ug/l	100
82) tert-Butylbenzene	13.353	119	1219463	49.915	ug/l	100
83) 1,2,4-Trimethylbenzene	13.405	105	1371587	51.588	ug/l	100
84) sec-Butylbenzene	13.555	105	1840353	50.795	ug/l	100
85) p-Isopropyltoluene	13.684	119	1536909	52.026	ug/l	100
86) 1,3-Dichlorobenzene	13.677	146	782412	50.207	ug/l	100
87) 1,4-Dichlorobenzene	13.770	146	760751	48.637	ug/l	100
88) n-Butylbenzene	14.053	91	1405537	51.622	ug/l	100
89) Hexachloroethane	14.358	117	219076	51.643	ug/l	100
90) 1,2-Dichlorobenzene	14.098	146	709292	48.461	ug/l	100
91) 1,2-Dibromo-3-Chloropr...	14.791	75	64907	48.367	ug/l	100
92) 1,2,4-Trichlorobenzene	15.561	180	421758	48.190	ug/l	100
93) Hexachlorobutadiene	15.686	225	131139	46.117	ug/l	100
94) Naphthalene	15.843	128	1334977	49.775	ug/l	100
95) 1,2,3-Trichlorobenzene	16.065	180	414662	49.906	ug/l	100

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

