

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082025\
 Data File : VR026744.D
 Acq On : 20 Aug 2025 16:18
 Operator : SY/MD
 Sample : VSTDICC040
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC040

Quant Time: Aug 21 08:39:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 21 08:23:46 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	2304768	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.389	114	3748896	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.563	117	3000775	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.761	152	1007428	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.773	65	1141843	39.451	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	78.900%		
34) Dibromofluoromethane	7.295	113	959036	39.223	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	78.440%		
49) Toluene-d8	10.071	98	3360915	41.002	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	82.000%#		
61) 4-Bromofluorobenzene	12.689	95	929406	39.961	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	79.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.817	85	866762	39.798	ug/l	99
3) Chloromethane	1.811	50	100424	38.755	ug/l #	98
4) Vinyl Chloride	2.119	62	1405341	39.215	ug/l	98
5) Bromomethane	2.443	94	339600	30.866	ug/l	97
6) Chloroethane	2.565	64	805547	42.540	ug/l	95
7) Trichlorofluoromethane	2.863	101	2708040	38.982	ug/l	98
8) Diethyl Ether	3.236	74	895618	40.303	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.540	101	1113570	40.115	ug/l	99
10) Methyl Iodide	3.707	142	1206238	40.886	ug/l	99
11) Tert butyl alcohol	4.503	59	942090	211.727	ug/l #	84
12) 1,1-Dichloroethene	3.515	96	1240468	41.179	ug/l	95
13) Acrolein	3.406	56	524025	193.973	ug/l	98
14) Allyl chloride	4.047	41	2312193	41.650	ug/l	99
15) Acrylonitrile	4.654	53	4002222	210.310	ug/l #	88
16) Acetone	3.605	43	2921132	190.666	ug/l	100
17) Carbon Disulfide	3.800	76	3156524	43.145	ug/l	99
18) Methyl Acetate	4.057	43	1806774	40.482	ug/l	99
19) Methyl tert-butyl Ether	4.715	73	4013632	42.009	ug/l	98
20) Methylene Chloride	4.253	84	1297099	39.683	ug/l	99
21) trans-1,2-Dichloroethene	4.696	96	1297737	41.203	ug/l	96
22) Diisopropyl ether	5.613	45	4783564	41.884	ug/l	98
23) Vinyl Acetate	5.543	43	14804163	205.790	ug/l	91
24) 1,1-Dichloroethane	5.482	63	2300966	40.941	ug/l	99
25) 2-Butanone	6.493	43	5008247	210.541	ug/l	97
26) 2,2-Dichloropropane	6.470	77	1614929	41.943	ug/l	99
27) cis-1,2-Dichloroethene	6.477	96	1487000	41.714	ug/l	99
28) Bromochloromethane	6.858	49	619093	37.219	ug/l #	18
29) Chloroform	7.057	83	2072807	41.049	ug/l	97
30) Cyclohexane	7.369	56	2347015	39.600	ug/l	100
31) 1,1,1-Trichloroethane	7.276	97	1722733	42.015	ug/l	99
35) 1,1-Dichloropropene	7.516	75	1578027	41.443	ug/l	100
36) Ethyl Acetate	6.602	43	2006497	41.113	ug/l	100
37) Carbon Tetrachloride	7.500	117	1445729	42.193	ug/l	99
38) Methylcyclohexane	8.944	83	1944048	40.800	ug/l	97
39) Benzene	7.789	78	4980495	42.607	ug/l	93
40) Methacrylonitrile	6.842	41	1067840	42.030	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.876	62	1308038	40.357	ug/l	100
42) Isopropyl Acetate	7.943	43	2986916	43.251	ug/l	99
43) Trichloroethene	8.665	130	1020318	40.008	ug/l	99
44) 1,2-Dichloropropane	8.973	63	1127958	40.306	ug/l	99
45) Dibromomethane	9.076	93	719713	40.485	ug/l	99
46) Bromodichloromethane	9.291	83	1374434	41.535	ug/l	99
47) Methyl methacrylate	9.079	41	1441217	42.757	ug/l	99
48) 1,4-Dioxane	9.079	88	389211	898.839	ug/l	99
50) 4-Methyl-2-Pentanone	9.958	43	6938913	206.998	ug/l	92
51) Toluene	10.144	92	2787115	41.754	ug/l	92
52) t-1,3-Dichloropropene	10.398	75	1354352	43.213	ug/l	97
53) cis-1,3-Dichloropropene	9.788	75	1609387	42.327	ug/l	98
54) 1,1,2-Trichloroethane	10.600	97	963299	40.658	ug/l	98
55) Ethyl methacrylate	10.462	69	1744708	42.812	ug/l	99
56) 1,3-Dichloropropane	10.767	76	1645925	41.215	ug/l	99
57) 2-Chloroethyl Vinyl ether	9.631	63	500338	199.042	ug/l	100
58) 2-Hexanone	10.825	43	5244780	224.747	ug/l	93
59) Dibromochloromethane	10.985	129	929716	41.718	ug/l	99
60) 1,2-Dibromoethane	11.101	107	882104	41.195	ug/l	100
63) Tetrachloroethene	10.683	164	820047	38.894	ug/l	96
64) Chlorobenzene	11.592	112	2776734	41.582	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.678	131	906521	40.433	ug/l	99
66) Ethyl Benzene	11.685	91	4779146	42.805	ug/l	88
67) m/p-Xylenes	11.810	106	4011744	85.869	ug/l	89
68) o-Xylene	12.179	106	1933743	40.848	ug/l	93
69) Styrene	12.195	104	3033782	43.550	ug/l	96
70) Bromoform	12.378	173	530328	43.867	ug/l #	98
72) Isopropylbenzene	12.522	105	4305171	39.369	ug/l	95
73) N-amyl acetate	12.320	43	1817570	46.037	ug/l	99
74) 1,1,2,2-Tetrachloroethane	12.805	83	1253805	40.052	ug/l	100
75) 1,2,3-Trichloropropane	12.862	75	1022091m	45.077	ug/l	
76) Bromobenzene	12.833	156	924463	38.621	ug/l	97
77) n-propylbenzene	12.910	91	4712919	40.200	ug/l	95
78) 2-Chlorotoluene	13.003	91	2799802	40.439	ug/l	100
79) 1,3,5-Trimethylbenzene	13.068	105	3359015	41.134	ug/l	97
80) trans-1,4-Dichloro-2-b...	12.577	75	352001	37.035	ug/l	99
81) 4-Chlorotoluene	13.116	91	2628058	41.427	ug/l	99
82) tert-Butylbenzene	13.363	119	3093080	40.514	ug/l	95
83) 1,2,4-Trimethylbenzene	13.414	105	3134619	42.097	ug/l	98
84) sec-Butylbenzene	13.568	105	4057347	41.317	ug/l	97
85) p-Isopropyltoluene	13.697	119	3248871	42.577	ug/l	97
86) 1,3-Dichlorobenzene	13.693	146	1430850	40.251	ug/l	99
87) 1,4-Dichlorobenzene	13.786	146	1354377	39.546	ug/l	99
88) n-Butylbenzene	14.062	91	2258942	41.432	ug/l	99
89) Hexachloroethane	14.364	117	527499	42.620	ug/l	97
90) 1,2-Dichlorobenzene	14.111	146	1139093	38.156	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	14.807	75	114248	39.548	ug/l	96
92) 1,2,4-Trichlorobenzene	15.571	180	739383	37.696	ug/l	99
93) Hexachlorobutadiene	15.696	225	235349	36.403	ug/l	99
94) Naphthalene	15.856	128	2251978	40.153	ug/l	100
95) 1,2,3-Trichlorobenzene	16.078	180	720134	37.837	ug/l	99

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

