

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082025\
 Data File : VR026743.D
 Acq On : 20 Aug 2025 15:50
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 21 08:38:42 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	7.388	168	2108126	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.389	114	3496474	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.563	117	2804980	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.761	152	902064	50.000	ug/l	0.00
System Monitoring Compounds						
32) 1,2-Dichloroethane-d4	7.770	65	496964	18.772	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	37.540%#		
34) Dibromofluoromethane	7.295	113	418570	18.355	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.700%#		
49) Toluene-d8	10.074	98	1599925	20.928	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.860%#		
61) 4-Bromofluorobenzene	12.689	95	411642	18.977	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.960%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.814	85	417100	20.938	ug/l	100
3) Chloromethane	1.814	50	49834	21.025	ug/l #	96
4) Vinyl Chloride	2.119	62	705405	21.520	ug/l	98
5) Bromomethane	2.446	94	293035	29.118	ug/l	94
6) Chloroethane	2.581	64	433691	21.793	ug/l	93
7) Trichlorofluoromethane	2.870	101	1381436	21.741	ug/l	97
8) Diethyl Ether	3.232	74	406271	19.987	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.547	101	501600	19.755	ug/l	100
10) Methyl Iodide	3.710	142	543519	20.141	ug/l #	96
11) Tert butyl alcohol	4.490	59	413441	101.585	ug/l #	97
12) 1,1-Dichloroethene	3.521	96	552509	20.052	ug/l	94
13) Acrolein	3.409	56	247488	96.566	ug/l	98
14) Allyl chloride	4.051	41	1047338	20.626	ug/l	99
15) Acrylonitrile	4.657	53	1803774	103.627	ug/l	98
16) Acetone	3.608	43	1394176	99.488	ug/l	99
17) Carbon Disulfide	3.803	76	1401885	20.949	ug/l	99
18) Methyl Acetate	4.060	43	831220	20.361	ug/l	98
19) Methyl tert-butyl Ether	4.715	73	1789468	20.476	ug/l	99
20) Methylene Chloride	4.246	84	598095	20.005	ug/l	98
21) trans-1,2-Dichloroethene	4.696	96	584374	20.284	ug/l	97
22) Diisopropyl ether	5.616	45	2216673	21.219	ug/l	97
23) Vinyl Acetate	5.543	43	8473350	108.017	ug/l #	76
24) 1,1-Dichloroethane	5.485	63	1033462	20.103	ug/l	99
25) 2-Butanone	6.499	43	2312022	106.261	ug/l	93
26) 2,2-Dichloropropane	6.480	77	692438	19.662	ug/l	98
27) cis-1,2-Dichloroethene	6.473	96	655597	20.107	ug/l	99
28) Bromochloromethane	6.862	49	298612	19.627	ug/l	99
29) Chloroform	7.057	83	934605	20.235	ug/l	98
30) Cyclohexane	7.372	56	1095303	20.204	ug/l	98
31) 1,1,1-Trichloroethane	7.272	97	736788	19.645	ug/l	98
35) 1,1-Dichloropropene	7.519	75	692323	19.495	ug/l	99
36) Ethyl Acetate	6.598	43	882174	19.381	ug/l #	94
37) Carbon Tetrachloride	7.500	117	598463	18.727	ug/l	99
38) Methylcyclohexane	8.941	83	884546	19.904	ug/l	95
39) Benzene	7.789	78	2349291	21.548	ug/l #	89
40) Methacrylonitrile	6.839	41	437913	18.480	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.876	62	589291	19.494	ug/l	100
42) Isopropyl Acetate	7.943	43	1328385	20.624	ug/l	97
43) Trichloroethene	8.662	130	462714	19.454	ug/l	95
44) 1,2-Dichloropropane	8.976	63	506721	19.414	ug/l	98
45) Dibromomethane	9.072	93	320536	19.332	ug/l	99
46) Bromodichloromethane	9.294	83	606935	19.666	ug/l	97
47) Methyl methacrylate	9.079	41	618092	19.661	ug/l	99
48) 1,4-Dioxane	9.079	88	173248	428.981	ug/l	96
50) 4-Methyl-2-Pentanone	9.958	43	3886534	107.891	ug/l #	76
51) Toluene	10.144	92	1299860	20.879	ug/l	84
52) t-1,3-Dichloropropene	10.401	75	576022	19.706	ug/l	95
53) cis-1,3-Dichloropropene	9.788	75	711746	20.070	ug/l	99
54) 1,1,2-Trichloroethane	10.603	97	437198	19.785	ug/l	98
55) Ethyl methacrylate	10.462	69	767334	20.188	ug/l	98
56) 1,3-Dichloropropane	10.767	76	753182	20.222	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.634	63	171189	95.978	ug/l	99
58) 2-Hexanone	10.825	43	2536312	116.531	ug/l	84
59) Dibromochloromethane	10.985	129	414836	19.958	ug/l	100
60) 1,2-Dibromoethane	11.101	107	397044	19.881	ug/l	99
63) Tetrachloroethene	10.683	164	382250	19.395	ug/l	96
64) Chlorobenzene	11.591	112	1289932	20.665	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.678	131	396777	18.932	ug/l	99
66) Ethyl Benzene	11.681	91	2329927	22.325	ug/l #	75
67) m/p-Xylenes	11.810	106	1823451	41.754	ug/l #	72
68) o-Xylene	12.179	106	879897	19.884	ug/l	92
69) Styrene	12.198	104	1340230	20.582	ug/l	92
70) Bromoform	12.378	173	231208	20.460	ug/l #	99
72) Isopropylbenzene	12.522	105	2124097	21.693	ug/l	91
73) N-amyl acetate	12.320	43	680082	19.238	ug/l	99
74) 1,1,2,2-Tetrachloroethane	12.804	83	561206	20.022	ug/l	100
75) 1,2,3-Trichloropropane	12.862	75	472390m	23.267	ug/l	
76) Bromobenzene	12.833	156	408873	19.077	ug/l	92
77) n-propylbenzene	12.910	91	2290153	21.816	ug/l	91
78) 2-Chlorotoluene	13.003	91	1242581	20.043	ug/l	100
79) 1,3,5-Trimethylbenzene	13.071	105	1513432	20.698	ug/l	96
80) trans-1,4-Dichloro-2-b...	12.577	75	135123	18.783	ug/l	95
81) 4-Chlorotoluene	13.112	91	1126437	19.830	ug/l	99
82) tert-Butylbenzene	13.366	119	1424102	20.832	ug/l	91
83) 1,2,4-Trimethylbenzene	13.414	105	1394023	20.908	ug/l	97
84) sec-Butylbenzene	13.568	105	1896269	21.566	ug/l	97
85) p-Isopropyltoluene	13.697	119	1433545	20.981	ug/l	95
86) 1,3-Dichlorobenzene	13.690	146	616714	19.375	ug/l	98
87) 1,4-Dichlorobenzene	13.780	146	615832	20.082	ug/l	100
88) n-Butylbenzene	14.066	91	976406	20.000	ug/l	98
89) Hexachloroethane	14.367	117	229168	20.678	ug/l	97
90) 1,2-Dichlorobenzene	14.110	146	514744	19.256	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	14.807	75	50564	21.681	ug/l	91
92) 1,2,4-Trichlorobenzene	15.570	180	337231	19.201	ug/l	100
93) Hexachlorobutadiene	15.699	225	109088	18.844	ug/l	98
94) Naphthalene	15.853	128	977175	19.458	ug/l	100
95) 1,2,3-Trichlorobenzene	16.081	180	328549	19.279	ug/l	99

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

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