

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV081325\
 Data File : VV038949.D
 Acq On : 13 Aug 2025 13:45
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDICC020

Quant Time: Aug 14 02:24:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V081325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 14 02:22:00 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/18/2025
 Supervised By :Semsettin Yesilyurt 08/18/2025

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	507001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	814221	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.777	117	776854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	442869	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.947	65	128644	18.397	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	36.800%#
35) Dibromofluoromethane	4.503	113	108539	18.923	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	37.840%#
50) Toluene-d8	7.240	98	377092	18.871	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	37.740%#
62) 4-Bromofluorobenzene	10.005	95	134482	18.523	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	37.040%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	133050	19.459	ug/l	98
3) Chloromethane	1.230	50	134601	18.722	ug/l	98
4) Vinyl Chloride	1.294	62	148899	18.703	ug/l	98
5) Bromomethane	1.497	94	105445	19.715	ug/l	96
6) Chloroethane	1.561	64	91258	18.811	ug/l	99
7) Trichlorofluoromethane	1.725	101	199969	19.145	ug/l	99
8) Diethyl Ether	1.921	74	49181m	15.016	ug/l	
9) 1,1,2-Trichlorotrifluo...	2.082	101	105704	18.523	ug/l	98
10) Methyl Iodide	2.198	142	135662	17.545	ug/l	95
11) Tert butyl alcohol	2.571	59	145293	105.246	ug/l	98
12) 1,1-Dichloroethene	2.082	96	103078	18.219	ug/l	98
13) Acrolein	2.011	56	47314	78.700	ug/l	100
14) Allyl chloride	2.359	41	192330	19.638	ug/l	97
15) Acrylonitrile	2.677	53	376928	97.302	ug/l	99
16) Acetone	2.121	43	229173	80.065	ug/l	97
17) Carbon Disulfide	2.253	76	282698	15.995	ug/l	100
18) Methyl Acetate	2.381	43	157313	21.173	ug/l	99
19) Methyl tert-butyl Ether	2.716	73	399817	19.485	ug/l	96
20) Methylene Chloride	2.455	84	135718	20.357	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	131730	18.993	ug/l	97
22) Diisopropyl ether	3.220	45	376146	20.184	ug/l	98
23) Vinyl Acetate	3.192	43	1598587	102.130	ug/l	99
24) 1,1-Dichloroethane	3.118	63	237555	20.370	ug/l	99
25) 2-Butanone	3.873	43	430136	100.620	ug/l	98
26) 2,2-Dichloropropane	3.815	77	191893	18.758	ug/l	100
27) cis-1,2-Dichloroethene	3.825	96	136349	19.058	ug/l	99
28) Bromochloromethane	4.150	49	60258	18.901	ug/l	98
29) Tetrahydrofuran	4.243	42	291396	105.824	ug/l	97
30) Chloroform	4.282	83	242102	19.426	ug/l	98
31) Cyclohexane	4.587	56	194423	19.002	ug/l	98
32) 1,1,1-Trichloroethane	4.516	97	218491	19.448	ug/l	100
36) 1,1-Dichloropropene	4.748	75	148044	19.625	ug/l	97
37) Ethyl Acetate	3.986	43	167682	18.883	ug/l	98
38) Carbon Tetrachloride	4.738	117	185002	20.802	ug/l	99
39) Methylcyclohexane	6.047	83	193257	19.496	ug/l	92
40) Benzene	5.011	78	499241	20.190	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.166	41	69836	20.558	ug/l	93
42) 1,2-Dichloroethane	5.044	62	169018	19.849	ug/l	98
43) Isopropyl Acetate	5.198	43	253377	21.060	ug/l	99
44) Trichloroethene	5.835	130	127983	19.996	ug/l	100
45) 1,2-Dichloropropane	6.092	63	116697	20.248	ug/l	95
46) Dibromomethane	6.230	93	90796	19.658	ug/l	98
47) Bromodichloromethane	6.429	83	187919	20.241	ug/l	100
48) Methyl methacrylate	6.304	41	111360	20.091	ug/l	98
49) 1,4-Dioxane	6.291	88	47542	433.423	ug/l	97
51) 4-Methyl-2-Pentanone	7.150	43	884193	108.078	ug/l	99
52) Toluene	7.310	92	313430	20.780	ug/l	99
53) t-1,3-Dichloropropene	7.577	75	175346	19.810	ug/l	96
54) cis-1,3-Dichloropropene	6.950	75	195704	20.137	ug/l	99
55) 1,1,2-Trichloroethane	7.764	97	127032	20.158	ug/l	99
56) Ethyl methacrylate	7.719	69	161343	19.747	ug/l	99
57) 1,3-Dichloropropane	7.937	76	199916	19.958	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.815	63	521492	103.686	ug/l	99
59) 2-Hexanone	8.066	43	651218	107.946	ug/l	99
60) Dibromochloromethane	8.169	129	152358	20.013	ug/l	100
61) 1,2-Dibromoethane	8.278	107	137738	20.309	ug/l	99
64) Tetrachloroethene	7.899	164	113475	19.306	ug/l	99
65) Chlorobenzene	8.805	112	354243	19.423	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.899	131	126306	19.926	ug/l	99
67) Ethyl Benzene	8.937	91	561991	20.400	ug/l	100
68) m/p-Xylenes	9.066	106	451713	41.874	ug/l	98
69) o-Xylene	9.471	106	202996	20.487	ug/l	99
70) Styrene	9.487	104	363022	21.046	ug/l	99
71) Bromoform	9.658	173	106096	20.598	ug/l	98
73) Isopropylbenzene	9.857	105	567371	20.008	ug/l	97
74) N-amyl acetate	9.728	43	215711	19.696	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.169	83	208013	18.904	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	156108	18.701	ug/l	98
77) Bromobenzene	10.143	156	142647	19.445	ug/l	97
78) n-propylbenzene	10.278	91	681756	20.091	ug/l	99
79) 2-Chlorotoluene	10.349	91	411174	19.822	ug/l	99
80) 1,3,5-Trimethylbenzene	10.468	105	494942	20.686	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.931	75	67435	19.803	ug/l	99
82) 4-Chlorotoluene	10.465	91	482078	20.175	ug/l	99
83) tert-Butylbenzene	10.789	119	468750	19.539	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	477893	20.767	ug/l	98
85) sec-Butylbenzene	11.014	105	624395	19.947	ug/l	100
86) p-Isopropyltoluene	11.169	119	529058	19.785	ug/l	99
87) 1,3-Dichlorobenzene	11.108	146	286169	19.029	ug/l	98
88) 1,4-Dichlorobenzene	11.198	146	293758	17.987	ug/l	97
89) n-Butylbenzene	11.580	91	495799	19.615	ug/l	99
90) Hexachloroethane	11.821	117	107924	18.350	ug/l	98
91) 1,2-Dichlorobenzene	11.571	146	267072	18.953	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	45432	18.787	ug/l	98
93) 1,2,4-Trichlorobenzene	13.188	180	164203	18.882	ug/l	99
94) Hexachlorobutadiene	13.368	225	79721	18.449	ug/l	100
95) Naphthalene	13.426	128	518857	18.979	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	167808	19.063	ug/l	98

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

