

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048864.D
 Acq On : 12 Dec 2025 18:36
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/16/2025
 Supervised By :Semsettin Yesilyurt 12/16/2025

Quant Time: Dec 12 22:17:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	134133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	227617	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	213586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	110191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	94618	52.556	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.120%			
35) Dibromofluoromethane	5.373	113	75389	48.103	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.200%			
50) Toluene-d8	8.634	98	251888	45.851	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.700%#			
62) 4-Bromofluorobenzene	11.061	95	94936	50.115	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	83589	61.163	ug/l	98
3) Chloromethane	1.300	50	85764	49.730	ug/l	99
4) Vinyl Chloride	1.380	62	88169	48.004	ug/l	99
5) Bromomethane	1.611	94	50127	44.163	ug/l	98
6) Chloroethane	1.690	64	55298	48.375	ug/l	95
7) Trichlorofluoromethane	1.892	101	135933	51.638	ug/l	95
8) Diethyl Ether	2.136	74	49758	47.357	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	71690	46.977	ug/l	97
10) Methyl Iodide	2.453	142	92369	42.516	ug/l	95
11) Tert butyl alcohol	2.946	59	46066	158.488	ug/l	98
12) 1,1-Dichloroethene	2.325	96	73274	47.044	ug/l	98
13) Acrolein	2.233	56	63173	229.111	ug/l	100
14) Allyl chloride	2.666	41	136637	52.251	ug/l	94
15) Acrylonitrile	3.056	53	193442	213.588	ug/l	99
16) Acetone	2.373	43	151948	220.472	ug/l	98
17) Carbon Disulfide	2.514	76	197383	43.638	ug/l	100
18) Methyl Acetate	2.696	43	103155	53.197	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	260080	51.308	ug/l	98
20) Methylene Chloride	2.788	84	86221	50.051	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	76423	48.074	ug/l	97
22) Diisopropyl ether	3.751	45	292076	59.763	ug/l	94
23) Vinyl Acetate	3.715	43	1126370	274.287	ug/l	98
24) 1,1-Dichloroethane	3.605	63	157429	57.764	ug/l	99
25) 2-Butanone	4.544	43	228302	224.445	ug/l	95
26) 2,2-Dichloropropane	4.464	77	124014	51.427	ug/l	100
27) cis-1,2-Dichloroethene	4.470	96	101405	56.529	ug/l	96
28) Bromochloromethane	4.885	49	66510	49.790	ug/l	87
29) Tetrahydrofuran	4.995	42	149699	192.737	ug/l	94
30) Chloroform	5.080	83	165072	56.527	ug/l	99
31) Cyclohexane	5.458	56	117968	48.481	ug/l	94
32) 1,1,1-Trichloroethane	5.367	97	140571	53.724	ug/l	97
36) 1,1-Dichloropropene	5.678	75	101920	47.481	ug/l	98
37) Ethyl Acetate	4.696	43	111771	43.577	ug/l	98
38) Carbon Tetrachloride	5.665	117	121929	50.147	ug/l	95
39) Methylcyclohexane	7.366	83	117538	46.307	ug/l	98
40) Benzene	6.025	78	331402	52.080	ug/l	99

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41) Methacrylonitrile	4.897	41	55623	47.663	ug/l	96
42) 1,2-Dichloroethane	6.068	62	123107	54.660	ug/l	96
43) Isopropyl Acetate	6.324	43	168219	43.313	ug/l	97
44) Trichloroethene	7.110	130	87291	52.573	ug/l	94
45) 1,2-Dichloropropane	7.415	63	85821	53.960	ug/l	99
46) Dibromomethane	7.561	93	62072	51.465	ug/l	98
47) Bromodichloromethane	7.805	83	131826	52.423	ug/l	98
48) Methyl methacrylate	7.677	41	87616	44.846	ug/l	97
49) 1,4-Dioxane	7.647	88	19781	736.182	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	504530	209.288	ug/l	99
52) Toluene	8.701	92	204600	53.320	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	128604	53.757	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	138435	53.844	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	82840	53.656	ug/l	98
56) Ethyl methacrylate	9.098	69	121754	50.382	ug/l	98
57) 1,3-Dichloropropane	9.293	76	138774	54.056	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	348117	266.524	ug/l	98
59) 2-Hexanone	9.415	43	349590	206.581	ug/l	98
60) Dibromochloromethane	9.506	129	102870	53.884	ug/l	100
61) 1,2-Dibromoethane	9.591	107	84439	50.532	ug/l	99
64) Tetrachloroethene	9.256	164	69032	44.341	ug/l	98
65) Chlorobenzene	10.061	112	230449	49.292	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	85139	50.915	ug/l	98
67) Ethyl Benzene	10.177	91	386947	50.721	ug/l	98
68) m/p-Xylenes	10.286	106	295026	99.278	ug/l	100
69) o-Xylene	10.622	106	143485	51.527	ug/l	99
70) Styrene	10.640	104	250567	52.415	ug/l	99
71) Bromoform	10.780	173	67531	45.235	ug/l #	100
73) Isopropylbenzene	10.945	105	363523	48.955	ug/l	100
74) N-amyl acetate	10.823	43	149290	46.271	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	109512	43.708	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	85090m	41.460	ug/l	
77) Bromobenzene	11.177	156	96250	48.564	ug/l	97
78) n-propylbenzene	11.286	91	427081	49.659	ug/l	99
79) 2-Chlorotoluene	11.347	91	258788	49.347	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	300741	49.272	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	34769	40.242	ug/l #	83
82) 4-Chlorotoluene	11.433	91	303217	49.547	ug/l	99
83) tert-Butylbenzene	11.695	119	304656	48.037	ug/l	100
84) 1,2,4-Trimethylbenzene	11.731	105	304267	49.418	ug/l	100
85) sec-Butylbenzene	11.872	105	368222	47.907	ug/l	99
86) p-Isopropyltoluene	11.987	119	315608	48.038	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	172374	47.178	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	173853	46.046	ug/l	98
89) n-Butylbenzene	12.311	91	286015	46.496	ug/l	100
90) Hexachloroethane	12.518	117	61152	45.604	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	170261	48.066	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	20910	34.291	ug/l	97
93) 1,2,4-Trichlorobenzene	13.566	180	107206	45.825	ug/l	97
94) Hexachlorobutadiene	13.707	225	41210	42.586	ug/l	97
95) Naphthalene	13.755	128	317170	48.191	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	102755	47.626	ug/l	99

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

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