

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121625\
 Data File : VX048888.D
 Acq On : 16 Dec 2025 14:22
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Quant Time: Dec 17 02:18:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 02:17:03 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/17/2025
 Supervised By :Semsettin Yesilyurt 12/17/2025

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

Internal Standards						
1) Pentafluorobenzene	5.537	168	89713	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.745	114	156345	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	139138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	70330	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	31515	21.016	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	42.040%#		
35) Dibromofluoromethane	5.373	113	23261	20.017	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.040%#		
50) Toluene-d8	8.634	98	83739	20.184	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	40.360%#		
62) 4-Bromofluorobenzene	11.061	95	28340	19.026	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.060%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	21532	20.855	ug/l	96
3) Chloromethane	1.300	50	24694	19.171	ug/l	99
4) Vinyl Chloride	1.380	62	23008	19.625	ug/l	100
5) Bromomethane	1.624	94	15037	19.070	ug/l	95
6) Chloroethane	1.697	64	13319	18.664	ug/l	94
7) Trichlorofluoromethane	1.898	101	31280	18.510	ug/l	91
8) Diethyl Ether	2.136	74	12720	19.345	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	17726	18.593	ug/l	97
10) Methyl Iodide	2.459	142	25700	19.013	ug/l	94
11) Tert butyl alcohol	2.934	59	8481	98.033	ug/l	99
12) 1,1-Dichloroethene	2.325	96	18224	19.449	ug/l	91
13) Acrolein	2.233	56	8092	87.897	ug/l	98
14) Allyl chloride	2.666	41	37040	19.083	ug/l	92
15) Acrylonitrile	3.056	53	48286	101.967	ug/l	96
16) Acetone	2.373	43	31749	100.508	ug/l	99
17) Carbon Disulfide	2.520	76	51731	18.296	ug/l	98
18) Methyl Acetate	2.703	43	20890	20.503	ug/l	94
19) Methyl tert-butyl Ether	3.105	73	65142	19.360	ug/l	93
20) Methylene Chloride	2.788	84	25036	19.189	ug/l	90
21) trans-1,2-Dichloroethene	3.087	96	19983	18.983	ug/l	97
22) Diisopropyl ether	3.751	45	89095	20.818	ug/l	89
23) Vinyl Acetate	3.709	43	318523	101.812	ug/l	95
24) 1,1-Dichloroethane	3.605	63	44029	19.509	ug/l	99
25) 2-Butanone	4.544	43	55565	112.141	ug/l #	88
26) 2,2-Dichloropropane	4.471	77	38144	20.659	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	27496	20.402	ug/l	87
28) Bromochloromethane	4.885	49	25065	21.854	ug/l #	72
29) Tetrahydrofuran	4.983	42	39604	111.433	ug/l	88
30) Chloroform	5.080	83	48060	21.130	ug/l	98
31) Cyclohexane	5.452	56	35491	21.068	ug/l	89
32) 1,1,1-Trichloroethane	5.373	97	38186	19.546	ug/l #	94
36) 1,1-Dichloropropene	5.678	75	29266	20.067	ug/l	97
37) Ethyl Acetate	4.696	43	31188	22.388	ug/l #	94
38) Carbon Tetrachloride	5.672	117	33854	19.474	ug/l	99
39) Methylcyclohexane	7.366	83	32491	19.823	ug/l	91
40) Benzene	6.025	78	98078	20.285	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	16403	23.533	ug/l #	90
42) 1,2-Dichloroethane	6.068	62	36033	20.109	ug/l	94
43) Isopropyl Acetate	6.324	43	48191	20.861	ug/l #	94
44) Trichloroethene	7.104	130	21880	18.149	ug/l	93
45) 1,2-Dichloropropane	7.415	63	26907	20.563	ug/l	97
46) Dibromomethane	7.568	93	17409	20.303	ug/l	92
47) Bromodichloromethane	7.805	83	38861	20.495	ug/l	91
48) Methyl methacrylate	7.683	41	24263	21.467	ug/l	93
49) 1,4-Dioxane	7.647	88	4154	403.441	ug/l #	84
51) 4-Methyl-2-Pentanone	8.555	43	138618	107.244	ug/l	93
52) Toluene	8.702	92	58550	20.188	ug/l	97
53) t-1,3-Dichloropropene	8.964	75	36800	20.012	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	41086	20.635	ug/l	93
55) 1,1,2-Trichloroethane	9.134	97	22540	20.015	ug/l	97
56) Ethyl methacrylate	9.098	69	31870	20.884	ug/l	88
57) 1,3-Dichloropropane	9.293	76	40964	20.818	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.226	63	98865	108.097	ug/l	93
59) 2-Hexanone	9.415	43	91635	104.249	ug/l	93
60) Dibromochloromethane	9.506	129	27476	19.708	ug/l	99
61) 1,2-Dibromoethane	9.592	107	22618	20.519	ug/l	97
64) Tetrachloroethene	9.256	164	18179	20.317	ug/l	96
65) Chlorobenzene	10.061	112	63519	20.349	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	23435	21.084	ug/l	97
67) Ethyl Benzene	10.177	91	111064	20.992	ug/l	97
68) m/p-Xylenes	10.281	106	82460	42.322	ug/l	98
69) o-Xylene	10.622	106	40728	21.521	ug/l	99
70) Styrene	10.640	104	68012	21.262	ug/l	99
71) Bromoform	10.780	173	16353	19.692	ug/l #	100
73) Isopropylbenzene	10.945	105	102261	21.308	ug/l	99
74) N-amyl acetate	10.823	43	43686	21.503	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.195	83	29545	20.908	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	22116m	14.239	ug/l	
77) Bromobenzene	11.177	156	25470	20.756	ug/l	93
78) n-propylbenzene	11.286	91	121962	20.975	ug/l	99
79) 2-Chlorotoluene	11.347	91	74353	20.713	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	82495	20.929	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	9146	20.541	ug/l #	88
82) 4-Chlorotoluene	11.433	91	86688	21.063	ug/l	99
83) tert-Butylbenzene	11.695	119	85310	20.950	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	84846	21.305	ug/l	97
85) sec-Butylbenzene	11.872	105	104961	20.906	ug/l	99
86) p-Isopropyltoluene	11.988	119	87442	21.251	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	47057	20.438	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	46902	19.419	ug/l	96
89) n-Butylbenzene	12.311	91	80078	20.345	ug/l	98
90) Hexachloroethane	12.518	117	18169	20.523	ug/l	92
91) 1,2-Dichlorobenzene	12.317	146	45492	19.985	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	5093	20.140	ug/l	89
93) 1,2,4-Trichlorobenzene	13.567	180	26699	20.401	ug/l	99
94) Hexachlorobutadiene	13.707	225	10850	19.200	ug/l	97
95) Naphthalene	13.756	128	69715	21.088	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	24886	21.163	ug/l	97

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

