

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048696.D
 Acq On : 03 Dec 2025 09:30
 Operator : JC/MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 04 01:37:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 01:31:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 12/04/2025
 Supervised By :Semsettin Yesilyurt 12/04/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	200122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	334199	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	294184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	57159	21.155	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	42.300%#		
35) Dibromofluoromethane	5.373	113	45171	19.830	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.660%#		
50) Toluene-d8	8.635	98	156002	19.971	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	39.940%#		
62) 4-Bromofluorobenzene	11.061	95	55482	19.354	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.700%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	46813	20.294	ug/l	98
3) Chloromethane	1.300	50	45560	20.264	ug/l	99
4) Vinyl Chloride	1.380	62	48205	19.569	ug/l	95
5) Bromomethane	1.617	94	33075	20.208	ug/l	99
6) Chloroethane	1.697	64	28226	19.350	ug/l	97
7) Trichlorofluoromethane	1.898	101	66072	18.459	ug/l	95
8) Diethyl Ether	2.136	74	22067	17.314	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	39171	18.364	ug/l	100
10) Methyl Iodide	2.459	142	61563	20.034	ug/l	99
11) Tert butyl alcohol	2.934	59	40906	100.099	ug/l	98
12) 1,1-Dichloroethene	2.331	96	38880	18.334	ug/l	99
13) Acrolein	2.239	56	16424	74.318	ug/l	95
14) Allyl chloride	2.666	41	79820	19.890	ug/l	98
15) Acrylonitrile	3.056	53	143038	110.114	ug/l	100
16) Acetone	2.373	43	82553	93.486	ug/l	100
17) Carbon Disulfide	2.520	76	128378	19.874	ug/l	98
18) Methyl Acetate	2.697	43	60427	20.660	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	154353	21.360	ug/l	100
20) Methylene Chloride	2.794	84	50898	20.649	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	46080	21.054	ug/l	96
22) Diisopropyl ether	3.751	45	159369	22.175	ug/l	97
23) Vinyl Acetate	3.715	43	701036	112.217	ug/l	99
24) 1,1-Dichloroethane	3.605	63	85707	20.943	ug/l	99
25) 2-Butanone	4.538	43	159602	105.812	ug/l	96
26) 2,2-Dichloropropane	4.471	77	71811	19.336	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	54393	19.854	ug/l	98
28) Bromochloromethane	4.885	49	40487	20.605	ug/l	99
29) Tetrahydrofuran	4.989	42	122480	104.548	ug/l	99
30) Chloroform	5.080	83	89576	20.662	ug/l	99
31) Cyclohexane	5.458	56	67854	19.462	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	74800	19.189	ug/l	98
36) 1,1-Dichloropropene	5.678	75	57033	18.530	ug/l	99
37) Ethyl Acetate	4.696	43	82227	20.233	ug/l	99
38) Carbon Tetrachloride	5.666	117	65507	18.521	ug/l	99
39) Methylcyclohexane	7.360	83	63782	17.804	ug/l	94
40) Benzene	6.025	78	184866	20.435	ug/l	98

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41) Methacrylonitrile	4.897	41	36414	20.588	ug/l	97
42) 1,2-Dichloroethane	6.074	62	67211	20.690	ug/l	96
43) Isopropyl Acetate	6.324	43	117377	21.391	ug/l	96
44) Trichloroethene	7.110	130	44134	18.531	ug/l	94
45) 1,2-Dichloropropane	7.415	63	45289	20.482	ug/l	99
46) Dibromomethane	7.568	93	34464	20.260	ug/l	94
47) Bromodichloromethane	7.805	83	69984	20.067	ug/l	95
48) Methyl methacrylate	7.677	41	55321	21.101	ug/l	93
49) 1,4-Dioxane	7.641	88	13027	406.291	ug/l	94
51) 4-Methyl-2-Pentanone	8.555	43	372706	107.759	ug/l	96
52) Toluene	8.702	92	110039	19.820	ug/l	97
53) t-1,3-Dichloropropene	8.964	75	70643	20.349	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	74756	20.303	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	44769	20.339	ug/l	98
56) Ethyl methacrylate	9.098	69	73993	20.978	ug/l	92
57) 1,3-Dichloropropane	9.293	76	75676	20.435	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	185616	102.103	ug/l	95
59) 2-Hexanone	9.415	43	265100	106.823	ug/l	95
60) Dibromochloromethane	9.506	129	54199	19.742	ug/l	98
61) 1,2-Dibromoethane	9.592	107	48098	19.764	ug/l	97
64) Tetrachloroethene	9.256	164	37032	18.331	ug/l	97
65) Chlorobenzene	10.061	112	122229	19.613	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	43195	19.922	ug/l	99
67) Ethyl Benzene	10.177	91	205258	20.049	ug/l	97
68) m/p-Xylenes	10.281	106	157084	39.831	ug/l	99
69) o-Xylene	10.622	106	75494	19.869	ug/l	98
70) Styrene	10.640	104	128343	20.097	ug/l	97
71) Bromoform	10.780	173	36843	18.656	ug/l #	99
73) Isopropylbenzene	10.945	105	187513	19.477	ug/l	99
74) N-amyl acetate	10.823	43	92771	21.344	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.195	83	65438	19.852	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	50552m	14.263	ug/l	
77) Bromobenzene	11.183	156	48204	18.578	ug/l	92
78) n-propylbenzene	11.287	91	221221	19.623	ug/l	98
79) 2-Chlorotoluene	11.347	91	133708	19.515	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	154101	19.569	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	20991	18.652	ug/l #	89
82) 4-Chlorotoluene	11.439	91	160197	20.102	ug/l	98
83) tert-Butylbenzene	11.695	119	155064	18.983	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	154846	19.739	ug/l	99
85) sec-Butylbenzene	11.872	105	187138	18.926	ug/l	99
86) p-Isopropyltoluene	11.988	119	157348	19.264	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	87778	18.588	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	91017	18.883	ug/l	99
89) n-Butylbenzene	12.311	91	144861	18.829	ug/l	99
90) Hexachloroethane	12.518	117	30092	18.301	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	83641	19.021	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15087	20.138	ug/l	85
93) 1,2,4-Trichlorobenzene	13.567	180	52527	18.763	ug/l	99
94) Hexachlorobutadiene	13.707	225	21028	18.040	ug/l	99
95) Naphthalene	13.756	128	164242	19.221	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	49457	19.138	ug/l	98

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

