

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120525\
 Data File : VX048723.D
 Acq On : 05 Dec 2025 08:45
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 05 21:57:33 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

Manual Integrations APPROVED

Reviewed By : John Carlone 12/08/2025
 Supervised By : Semsettin Yesilyurt 12/08/2025

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

Internal Standards						
1) Pentafluorobenzene	5.525	168	218600	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	333007	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	285113	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	141895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	128597	43.830	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.660%		
35) Dibromofluoromethane	5.361	113	114548	49.958	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.920%		
50) Toluene-d8	8.628	98	387114	48.165	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.320%		
62) 4-Bromofluorobenzene	11.061	95	143327	51.715	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	145674	65.404	ug/l	99
3) Chloromethane	1.300	50	159260	56.664	ug/l	100
4) Vinyl Chloride	1.380	62	170695	57.025	ug/l	99
5) Bromomethane	1.611	94	112783	60.970	ug/l	98
6) Chloroethane	1.697	64	99323	53.315	ug/l	96
7) Trichlorofluoromethane	1.898	101	247779	57.756	ug/l	94
8) Diethyl Ether	2.130	74	90045	52.586	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	143083	57.531	ug/l	99
10) Methyl Iodide	2.453	142	192766	54.443	ug/l	99
11) Tert butyl alcohol	2.934	59	128210	270.659	ug/l	99
12) 1,1-Dichloroethene	2.325	96	140210	55.236	ug/l	98
13) Acrolein	2.233	56	115513	252.157	ug/l	99
14) Allyl chloride	2.660	41	253145	59.399	ug/l	99
15) Acrylonitrile	3.050	53	420739	285.052	ug/l	99
16) Acetone	2.367	43	252696	224.979	ug/l	99
17) Carbon Disulfide	2.514	76	407978	55.345	ug/l	99
18) Methyl Acetate	2.690	43	180477	57.109	ug/l	99
19) Methyl tert-butyl Ether	3.099	73	461178	55.825	ug/l	99
20) Methylene Chloride	2.788	84	147541	52.553	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	141112	54.468	ug/l	97
22) Diisopropyl ether	3.739	45	471234	59.164	ug/l	89
23) Vinyl Acetate	3.702	43	2070737	309.410	ug/l	97
24) 1,1-Dichloroethane	3.599	63	255858	57.605	ug/l	99
25) 2-Butanone	4.525	43	438661	264.615	ug/l	96
26) 2,2-Dichloropropane	4.458	77	221602	56.387	ug/l	97
27) cis-1,2-Dichloroethene	4.471	96	158350	54.165	ug/l	94
28) Bromochloromethane	4.873	49	95984	44.090	ug/l	99
29) Tetrahydrofuran	4.971	42	279279	220.633	ug/l	100
30) Chloroform	5.068	83	227566	47.817	ug/l	96
31) Cyclohexane	5.458	56	193584	48.816	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	209445	49.117	ug/l	99
36) 1,1-Dichloropropene	5.672	75	154341	49.146	ug/l	99
37) Ethyl Acetate	4.684	43	209277	55.770	ug/l	99
38) Carbon Tetrachloride	5.653	117	183592	51.612	ug/l	95
39) Methylcyclohexane	7.360	83	201583	54.284	ug/l	98
40) Benzene	6.013	78	470247	50.512	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.885	41	85389	50.012	ug/l	98
42) 1,2-Dichloroethane	6.062	62	156454	47.481	ug/l	99
43) Isopropyl Acetate	6.312	43	272582	47.972	ug/l	100
44) Trichloroethene	7.104	130	128510	52.904	ug/l	98
45) 1,2-Dichloropropane	7.409	63	113587	48.816	ug/l	98
46) Dibromomethane	7.562	93	90217	51.127	ug/l	98
47) Bromodichloromethane	7.799	83	174628	47.467	ug/l	98
48) Methyl methacrylate	7.671	41	132257	46.271	ug/l	96
49) 1,4-Dioxane	7.635	88	38976	991.484	ug/l	94
51) 4-Methyl-2-Pentanone	8.549	43	932226	264.320	ug/l	99
52) Toluene	8.695	92	288281	51.352	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	177909	50.831	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	214885	57.128	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	113331	50.174	ug/l	97
56) Ethyl methacrylate	9.098	69	186000	52.609	ug/l	95
57) 1,3-Dichloropropane	9.287	76	185763	49.459	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	541236	283.237	ug/l	100
59) 2-Hexanone	9.409	43	597075	241.164	ug/l	98
60) Dibromochloromethane	9.500	129	142497	51.018	ug/l	99
61) 1,2-Dibromoethane	9.592	107	123509	50.522	ug/l	99
64) Tetrachloroethene	9.256	164	105510	50.770	ug/l	97
65) Chlorobenzene	10.061	112	314975	50.470	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.146	131	116117	52.020	ug/l	99
67) Ethyl Benzene	10.177	91	546930	53.707	ug/l	100
68) m/p-Xylenes	10.281	106	420696	106.052	ug/l	98
69) o-Xylene	10.622	106	217816	58.597	ug/l	98
70) Styrene	10.634	104	372009	58.297	ug/l	99
71) Bromoform	10.780	173	104690	52.533	ug/l #	100
73) Isopropylbenzene	10.945	105	557420	58.295	ug/l	100
74) N-amyl acetate	10.823	43	263606	63.447	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	179135	55.522	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	149256m	56.476	ug/l	
77) Bromobenzene	11.177	156	138509	54.271	ug/l	99
78) n-propylbenzene	11.286	91	664210	59.976	ug/l	99
79) 2-Chlorotoluene	11.347	91	390949	57.891	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	424884	54.057	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	63823	57.364	ug/l #	82
82) 4-Chlorotoluene	11.433	91	418818	53.145	ug/l	98
83) tert-Butylbenzene	11.695	119	442145	54.139	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	429499	54.171	ug/l	99
85) sec-Butylbenzene	11.872	105	543871	54.950	ug/l	98
86) p-Isopropyltoluene	11.988	119	464335	54.884	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	246588	52.411	ug/l	99
88) 1,4-Dichlorobenzene	12.018	146	246394	50.678	ug/l	99
89) n-Butylbenzene	12.311	91	421225	53.176	ug/l	99
90) Hexachloroethane	12.518	117	87435	50.636	ug/l	94
91) 1,2-Dichlorobenzene	12.317	146	233490	51.188	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	36967	47.079	ug/l	93
93) 1,2,4-Trichlorobenzene	13.567	180	159178	52.838	ug/l	99
94) Hexachlorobutadiene	13.707	225	66243	53.159	ug/l	97
95) Naphthalene	13.756	128	491675	56.310	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	146739	52.816	ug/l	99

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

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