

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120325\
 Data File : VX048712.D
 Acq On : 03 Dec 2025 17:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 04 02:34:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 04 02:13:49 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	142149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		6.745	114	290830	50.000	ug/l	0.00
63) Chlorobenzene-d5		10.037	117	214950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		12.006	152	106777	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		5.940	65	118218	61.597	ug/l	0.00
Spiked Amount 50.000		Range	78 - 117	Recovery	=	123.200%	#
35) Dibromofluoromethane		5.373	113	77955	39.326	ug/l	0.00
Spiked Amount 50.000		Range	75 - 124	Recovery	=	78.660%	
50) Toluene-d8		8.635	98	331891	48.824	ug/l	0.00
Spiked Amount 50.000		Range	92 - 112	Recovery	=	97.640%	
62) 4-Bromofluorobenzene		11.061	95	97309	39.006	ug/l	0.00
Spiked Amount 50.000		Range	83 - 123	Recovery	=	78.020%	#
Target Compounds							
							Qvalue
2) Dichlorodifluoromethane		1.173	85	76945	46.962	ug/l	98
3) Chloromethane		1.301	50	104017	65.131	ug/l	97
4) Vinyl Chloride		1.380	62	115409	65.958	ug/l	96
5) Bromomethane		1.611	94	79976	68.792	ug/l	95
6) Chloroethane		1.697	64	69818	67.382	ug/l	100
7) Trichlorofluoromethane		1.898	101	155676	61.231	ug/l	98
8) Diethyl Ether		2.136	74	67998	75.110	ug/l	99
9) 1,1,2-Trichlorotrifluo...		2.337	101	73553	48.545	ug/l	96
10) Methyl Iodide		2.459	142	121865	55.830	ug/l	98
11) Tert butyl alcohol		2.941	59	78280	269.677	ug/l	100
12) 1,1-Dichloroethene		2.325	96	82794	54.964	ug/l	91
13) Acrolein		2.233	56	63424	404.038	ug/l	100
14) Allyl chloride		2.666	41	116553	40.888	ug/l	96
15) Acrylonitrile		3.056	53	227976	247.077	ug/l	98
16) Acetone		2.374	43	160064	255.188	ug/l	99
17) Carbon Disulfide		2.514	76	204303	44.527	ug/l	99
18) Methyl Acetate		2.697	43	94403	45.440	ug/l	96
19) Methyl tert-butyl Ether		3.105	73	272193	53.029	ug/l	97
20) Methylene Chloride		2.788	84	84155	48.066	ug/l	92
21) trans-1,2-Dichloroethene		3.093	96	78933	50.772	ug/l	93
22) Diisopropyl ether		3.751	45	243841	47.767	ug/l	98
23) Vinyl Acetate		3.715	43	1085508	244.626	ug/l	97
24) 1,1-Dichloroethane		3.605	63	138635	47.692	ug/l	98
25) 2-Butanone		4.538	43	285506	261.391	ug/l	94
26) 2,2-Dichloropropane		4.465	77	117075	43.658	ug/l	98
27) cis-1,2-Dichloroethene		4.483	96	98930	50.761	ug/l	92
28) Bromochloromethane		4.885	49	55840	40.008	ug/l	# 79
29) Tetrahydrofuran		4.983	42	196617	236.358	ug/l	92
30) Chloroform		5.080	83	152250	49.442	ug/l	98
31) Cyclohexane		5.458	56	107368	43.355	ug/l	97
32) 1,1,1-Trichloroethane		5.373	97	136988	49.474	ug/l	97
36) 1,1-Dichloropropene		5.684	75	95941	35.819	ug/l	96
37) Ethyl Acetate		4.696	43	129010	37.939	ug/l	# 97
38) Carbon Tetrachloride		5.666	117	119545	38.839	ug/l	98
39) Methylcyclohexane		7.367	83	147588	47.341	ug/l	96
40) Benzene		6.025	78	421501	53.540	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.904	41	59099	38.397	ug/l	95
42) 1,2-Dichloroethane	6.074	62	151983	53.763	ug/l	98
43) Isopropyl Acetate	6.324	43	277482	58.109	ug/l	97
44) Trichloroethene	7.110	130	105176	50.746	ug/l	98
45) 1,2-Dichloropropane	7.415	63	106236	55.211	ug/l	97
46) Dibromomethane	7.568	93	79492	53.698	ug/l	98
47) Bromodichloromethane	7.805	83	160506	52.887	ug/l	100
48) Methyl methacrylate	7.677	41	134859	59.110	ug/l	97
49) 1,4-Dioxane	7.647	88	37363	1336.169	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	883211	293.440	ug/l	97
52) Toluene	8.702	92	209739	43.410	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	130553	43.214	ug/l	97
54) cis-1,3-Dichloropropene	8.354	75	176994	55.238	ug/l	99
55) 1,1,2-Trichloroethane	9.135	97	83254	43.464	ug/l	99
56) Ethyl methacrylate	9.098	69	133982	43.651	ug/l	100
57) 1,3-Dichloropropane	9.293	76	135057	41.908	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	461039	292.843	ug/l	96
59) 2-Hexanone	9.415	43	442337	204.821	ug/l	98
60) Dibromochloromethane	9.506	129	107132	44.842	ug/l	98
61) 1,2-Dibromoethane	9.592	107	91214	43.069	ug/l	98
64) Tetrachloroethene	9.256	164	73036	49.479	ug/l	98
65) Chlorobenzene	10.061	112	229992	50.508	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	84878	53.578	ug/l	99
67) Ethyl Benzene	10.177	91	375692	50.222	ug/l	100
68) m/p-Xylenes	10.287	106	290215	100.713	ug/l	98
69) o-Xylene	10.628	106	145359	52.359	ug/l	99
70) Styrene	10.640	104	252447	54.102	ug/l	99
71) Bromoform	10.781	173	79394	55.022	ug/l #	100
73) Isopropylbenzene	10.945	105	356925	50.014	ug/l	99
74) N-amyl acetate	10.823	43	157016	48.735	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	119961	49.095	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	112847m	52.598	ug/l	
77) Bromobenzene	11.183	156	100681	52.348	ug/l	96
78) n-propylbenzene	11.287	91	401924	48.096	ug/l	99
79) 2-Chlorotoluene	11.348	91	256344	50.473	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	297243	50.921	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	42850	51.367	ug/l #	95
82) 4-Chlorotoluene	11.439	91	298466	50.526	ug/l	100
83) tert-Butylbenzene	11.695	119	313533	51.782	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	306845	52.769	ug/l	99
85) sec-Butylbenzene	11.872	105	356557	48.648	ug/l	100
86) p-Isopropyltoluene	11.988	119	313212	51.730	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	179168	51.185	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	182163	50.985	ug/l	98
89) n-Butylbenzene	12.311	91	269277	47.217	ug/l	99
90) Hexachloroethane	12.518	117	59346	48.690	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	173113	53.111	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	28434	51.202	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	114963	55.400	ug/l	100
94) Hexachlorobutadiene	13.707	225	42208	48.850	ug/l	99
95) Naphthalene	13.756	128	384979	60.781	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	110933	57.913	ug/l	99

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

