

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111025\
 Data File : VX048547.D
 Acq On : 10 Nov 2025 17:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 11 00:50:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/11/2025
 Supervised By : Semsettin Yesilyurt 11/11/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	184679	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	313127	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	277763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	137163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	129542	50.340	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.680%			
35) Dibromofluoromethane	5.379	113	110282	46.534	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.060%			
50) Toluene-d8	8.635	98	369552	49.997	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.000%			
62) 4-Bromofluorobenzene	11.061	95	128293	46.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	73696	49.247	ug/l	100
3) Chloromethane	1.301	50	93456	47.086	ug/l	97
4) Vinyl Chloride	1.380	62	102170	45.464	ug/l	97
5) Bromomethane	1.611	94	62012	43.701	ug/l	96
6) Chloroethane	1.697	64	65386	44.429	ug/l	99
7) Trichlorofluoromethane	1.898	101	155288	43.679	ug/l	100
8) Diethyl Ether	2.136	74	64851	45.443	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	89824	43.642	ug/l	99
10) Methyl Iodide	2.459	142	114724	37.664	ug/l	99
11) Tert butyl alcohol	2.940	59	96937	198.796	ug/l	99
12) 1,1-Dichloroethene	2.325	96	95567	44.453	ug/l	98
13) Acrolein	2.239	56	34429	487.993	ug/l	98
14) Allyl chloride	2.666	41	166346	41.558	ug/l	100
15) Acrylonitrile	3.056	53	329891	231.750	ug/l	99
16) Acetone	2.374	43	284272	233.372	ug/l	100
17) Carbon Disulfide	2.520	76	258585	42.743	ug/l	99
18) Methyl Acetate	2.697	43	144164	43.066	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	338038	44.527	ug/l	100
20) Methylene Chloride	2.788	84	106932	42.699	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	98772	43.348	ug/l	95
22) Diisopropyl ether	3.751	45	342332	44.540	ug/l	98
23) Vinyl Acetate	3.715	43	1494552	222.024	ug/l	99
24) 1,1-Dichloroethane	3.611	63	184987	43.864	ug/l	99
25) 2-Butanone	4.538	43	417804	231.858	ug/l	100
26) 2,2-Dichloropropane	4.465	77	127113	35.355	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	118772	42.644	ug/l	100
28) Bromochloromethane	4.885	49	93696	45.225	ug/l	100
29) Tetrahydrofuran	4.983	42	296533	230.727	ug/l	99
30) Chloroform	5.080	83	195236	44.842	ug/l	99
31) Cyclohexane	5.464	56	151766	43.920	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	170248	44.806	ug/l	99
36) 1,1-Dichloropropene	5.684	75	130308	41.062	ug/l	99
37) Ethyl Acetate	4.696	43	185778	41.588	ug/l	98
38) Carbon Tetrachloride	5.672	117	148842	41.202	ug/l	98
39) Methylcyclohexane	7.367	83	152414	42.774	ug/l	96
40) Benzene	6.025	78	413765	42.062	ug/l	98

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41) Methacrylonitrile	4.910	41	89295	45.454	ug/l	96
42) 1,2-Dichloroethane	6.074	62	144185	42.779	ug/l	99
43) Isopropyl Acetate	6.324	43	266845	42.496	ug/l	99
44) Trichloroethene	7.110	130	107063	45.533	ug/l	100
45) 1,2-Dichloropropane	7.415	63	104488	46.196	ug/l	100
46) Dibromomethane	7.568	93	78782	47.755	ug/l	98
47) Bromodichloromethane	7.805	83	157023	47.712	ug/l	99
48) Methyl methacrylate	7.677	41	128569	46.059	ug/l	100
49) 1,4-Dioxane	7.647	88	35990	846.147	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	854832	239.154	ug/l	99
52) Toluene	8.702	92	257391	49.699	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	156136	46.042	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	168481	47.981	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	105301	50.890	ug/l	97
56) Ethyl methacrylate	9.098	69	173023	50.260	ug/l	99
57) 1,3-Dichloropropane	9.293	76	175494	48.727	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	497586	268.844	ug/l	98
59) 2-Hexanone	9.415	43	638318	240.073	ug/l	99
60) Dibromochloromethane	9.506	129	127651	50.246	ug/l	99
61) 1,2-Dibromoethane	9.592	107	112138	50.036	ug/l	100
64) Tetrachloroethene	9.256	164	87934	43.586	ug/l	98
65) Chlorobenzene	10.061	112	282852	42.903	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	100332	45.419	ug/l	99
67) Ethyl Benzene	10.177	91	471470	42.587	ug/l	98
68) m/p-Xylenes	10.287	106	367782	88.207	ug/l	100
69) o-Xylene	10.622	106	178274	43.701	ug/l	98
70) Styrene	10.640	104	305630	44.662	ug/l	100
71) Bromoform	10.781	173	89828	44.077	ug/l #	98
73) Isopropylbenzene	10.945	105	418020	41.986	ug/l	99
74) N-amyl acetate	10.823	43	215622	43.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	147516	42.015	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	138365m	41.872	ug/l	
77) Bromobenzene	11.183	156	111860	43.510	ug/l	97
78) n-propylbenzene	11.287	91	486206	41.531	ug/l	100
79) 2-Chlorotoluene	11.348	91	296088	41.855	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	340296	41.927	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	47136	40.801	ug/l	95
82) 4-Chlorotoluene	11.439	91	341806	41.191	ug/l	99
83) tert-Butylbenzene	11.695	119	354818	42.266	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	345525	42.192	ug/l	99
85) sec-Butylbenzene	11.872	105	420144	40.493	ug/l	99
86) p-Isopropyltoluene	11.994	119	359464	41.209	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	203467	42.226	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	202025	40.591	ug/l	99
89) n-Butylbenzene	12.311	91	322553	39.417	ug/l	100
90) Hexachloroethane	12.518	117	68686	41.328	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	194077	41.957	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.927	75	34060	41.744	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	126002	40.992	ug/l	99
94) Hexachlorobutadiene	13.707	225	48940	38.087	ug/l	99
95) Naphthalene	13.756	128	438178	44.338	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	121530	42.506	ug/l	98

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

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