

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048178.D
 Acq On : 14 Oct 2025 19:20
 Operator : JC/MD
 Sample : Q3311-04MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-219MSD

Quant Time: Oct 15 02:51:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/15/2025
 Supervised By : Mahesh Dadoda 10/16/2025

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	110142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	199465	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	178364	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	94291	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83703	47.743	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.480%		
35) Dibromofluoromethane	5.373	113	65275	48.796	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.600%		
50) Toluene-d8	8.634	98	213826	46.195	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.380%		
62) 4-Bromofluorobenzene	11.061	95	83883	47.750	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.500%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	61758	54.148	ug/l	96
3) Chloromethane	1.300	50	79886	53.294	ug/l	100
4) Vinyl Chloride	1.379	62	84221	57.397	ug/l	98
5) Bromomethane	1.617	94	54878	58.980	ug/l	96
6) Chloroethane	1.697	64	54119	55.183	ug/l	97
7) Trichlorofluoromethane	1.898	101	125844	57.761	ug/l	99
8) Diethyl Ether	2.135	74	47384	53.167	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.337	101	69753	54.754	ug/l	99
10) Methyl Iodide	2.459	142	93414	47.016	ug/l	97
11) Tert butyl alcohol	2.946	59	43149	220.985	ug/l	100
12) 1,1-Dichloroethene	2.324	96	73324	56.032	ug/l	95
13) Acrolein	2.239	56	45858	254.861	ug/l	97
14) Allyl chloride	2.666	41	134937	49.970	ug/l	99
15) Acrylonitrile	3.062	53	196943	272.304	ug/l	98
16) Acetone	2.373	43	150857	197.900	ug/l	98
17) Carbon Disulfide	2.520	76	220341	61.506	ug/l	98
18) Methyl Acetate	2.702	43	77550	45.713	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	250017	52.338	ug/l	100
20) Methylene Chloride	2.788	84	86444	53.573	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	80185	56.914	ug/l	97
22) Diisopropyl ether	3.751	45	281208	53.734	ug/l #	83
23) Vinyl Acetate	3.714	43	1068305	255.058	ug/l	100
24) 1,1-Dichloroethane	3.605	63	152793	54.931	ug/l	98
25) 2-Butanone	4.544	43	235717	247.899	ug/l	98
26) 2,2-Dichloropropane	4.470	77	108795	47.053	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	96700	56.045	ug/l	97
28) Bromochloromethane	4.891	49	58766	48.393	ug/l	98
29) Tetrahydrofuran	4.995	42	148272	259.210	ug/l	99
30) Chloroform	5.080	83	160224	57.002	ug/l	95
31) Cyclohexane	5.458	56	122885	53.043	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	135586	56.869	ug/l	100
36) 1,1-Dichloropropene	5.684	75	102103	52.234	ug/l	98
37) Ethyl Acetate	4.702	43	95396	45.580	ug/l	99
38) Carbon Tetrachloride	5.665	117	116631	54.915	ug/l	97
39) Methylcyclohexane	7.366	83	117256	52.845	ug/l	96
40) Benzene	6.025	78	332549	56.013	ug/l	97

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41) Methacrylonitrile	4.909	41	54498	50.438	ug/l	99
42) 1,2-Dichloroethane	6.074	62	122393	54.181	ug/l	99
43) Isopropyl Acetate	6.330	43	133438	38.874	ug/l	97
44) Trichloroethene	7.110	130	82756	57.656	ug/l	96
45) 1,2-Dichloropropane	7.415	63	75721	49.809	ug/l	99
46) Dibromomethane	7.567	93	62094	56.128	ug/l	95
47) Bromodichloromethane	7.805	83	130150	57.011	ug/l	99
48) Methyl methacrylate	7.677	41	85423	49.961	ug/l	96
49) 1,4-Dioxane	7.647	88	20092	1162.772	ug/l	97
51) 4-Methyl-2-Pentanone	8.561	43	500898	263.191	ug/l	99
52) Toluene	8.701	92	202770	55.435	ug/l	99
53) t-1,3-Dichloropropene	8.963	75	123420	53.003	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	131179	52.706	ug/l	96
55) 1,1,2-Trichloroethane	9.140	97	77773	55.142	ug/l	99
56) Ethyl methacrylate	9.104	69	117469	53.033	ug/l	98
57) 1,3-Dichloropropane	9.293	76	133305	55.020	ug/l	99
59) 2-Hexanone	9.415	43	345041	252.433	ug/l	100
60) Dibromochloromethane	9.506	129	94457	58.123	ug/l	99
61) 1,2-Dibromoethane	9.591	107	80365	55.942	ug/l	99
64) Tetrachloroethene	9.262	164	331269	284.902	ug/l	97
65) Chlorobenzene	10.061	112	220328	54.374	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	77931	55.734	ug/l	99
67) Ethyl Benzene	10.177	91	376181	53.805	ug/l	100
68) m/p-Xylenes	10.286	106	282986	108.744	ug/l	99
69) o-Xylene	10.628	106	136699	54.309	ug/l	100
70) Styrene	10.640	104	239395	54.280	ug/l	99
71) Bromoform	10.786	173	62216	59.590	ug/l #	97
73) Isopropylbenzene	10.945	105	354640	49.471	ug/l	100
74) N-amyl acetate	10.829	43	140343	42.932	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	107937	49.767	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	94727m	49.619	ug/l	
77) Bromobenzene	11.183	156	85625	48.497	ug/l	98
78) n-propylbenzene	11.286	91	417171	49.228	ug/l	100
79) 2-Chlorotoluene	11.347	91	253026	48.750	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	291714	49.530	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	32079	42.851	ug/l	96
82) 4-Chlorotoluene	11.439	91	300444	49.012	ug/l	98
83) tert-Butylbenzene	11.695	119	291710	48.384	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	295508	49.489	ug/l	100
85) sec-Butylbenzene	11.872	105	350539	48.949	ug/l	99
86) p-Isopropyltoluene	11.993	119	294049	48.500	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	158253	48.257	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	162895	48.397	ug/l	99
89) n-Butylbenzene	12.317	91	268412	47.846	ug/l	98
90) Hexachloroethane	12.518	117	57749	54.253	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	154177	49.348	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	20888	47.569	ug/l	98
93) 1,2,4-Trichlorobenzene	13.566	180	92329	45.471	ug/l	99
94) Hexachlorobutadiene	13.707	225	31426	45.564	ug/l	98
95) Naphthalene	13.755	128	288762	46.702	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	90016	47.657	ug/l	98

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

