

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048149.D
 Acq On : 13 Oct 2025 17:33
 Operator : JC/MD
 Sample : Q3311-03MS 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-219MS

Quant Time: Oct 14 01:58:19 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 10/14/2025
 Supervised By : Mahesh Dadoda 10/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	135718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	226773	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	215690	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	108798	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101727	47.090	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.180%			
35) Dibromofluoromethane	5.373	113	84157	55.335	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.660%			
50) Toluene-d8	8.635	98	288082	54.743	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.480%			
62) 4-Bromofluorobenzene	11.061	95	114631	57.396	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.800%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	86085	61.254	ug/l	98
3) Chloromethane	1.301	50	100696	54.517	ug/l	99
4) Vinyl Chloride	1.380	62	107315	59.353	ug/l	99
5) Bromomethane	1.611	94	65581	57.200	ug/l	100
6) Chloroethane	1.697	64	68815	56.945	ug/l	99
7) Trichlorofluoromethane	1.898	101	161715	60.238	ug/l	99
8) Diethyl Ether	2.136	74	54499	49.626	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.337	101	88169	56.167	ug/l	97
10) Methyl Iodide	2.459	142	106470	43.489	ug/l	99
11) Tert butyl alcohol	2.941	59	49117	204.145	ug/l	99
12) 1,1-Dichloroethene	2.325	96	88399	54.822	ug/l	95
13) Acrolein	2.239	56	51394	231.801	ug/l	99
14) Allyl chloride	2.666	41	147555	44.346	ug/l	96
15) Acrylonitrile	3.056	53	206455	231.662	ug/l	99
16) Acetone	2.374	43	155028	165.046	ug/l	95
17) Carbon Disulfide	2.514	76	259068	58.688	ug/l	100
18) Methyl Acetate	2.703	43	85572	40.936	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	274204	46.584	ug/l	100
20) Methylene Chloride	2.788	84	98839	49.712	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	93859	54.066	ug/l	93
22) Diisopropyl ether	3.751	45	304365	47.199	ug/l	86
23) Vinyl Acetate	3.715	43	1151995	223.208	ug/l	98
24) 1,1-Dichloroethane	3.605	63	172073	50.204	ug/l	98
25) 2-Butanone	4.544	43	234965	200.541	ug/l	99
26) 2,2-Dichloropropane	4.471	77	128139	44.975	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	108267	50.924	ug/l	94
28) Bromochloromethane	4.885	49	62957	42.075	ug/l	93
29) Tetrahydrofuran	4.989	42	149329	211.861	ug/l	96
30) Chloroform	5.080	83	174397	50.352	ug/l	99
31) Cyclohexane	5.458	56	151483	53.065	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	154061	52.440	ug/l	99
36) 1,1-Dichloropropene	5.684	75	120602	54.268	ug/l	98
37) Ethyl Acetate	4.696	43	108048	45.408	ug/l	99
38) Carbon Tetrachloride	5.672	117	136126	56.376	ug/l	96
39) Methylcyclohexane	7.367	83	151953	60.235	ug/l	97
40) Benzene	6.025	78	368802	54.639	ug/l	99

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41) Methacrylonitrile	4.904	41	57050	46.442	ug/l	97
42) 1,2-Dichloroethane	6.074	62	126655	49.316	ug/l	98
43) Isopropyl Acetate	6.324	43	172771	44.272	ug/l	97
44) Trichloroethene	7.111	130	95140	58.302	ug/l	94
45) 1,2-Dichloropropane	7.415	63	91615	53.007	ug/l	97
46) Dibromomethane	7.568	93	68254	54.267	ug/l	98
47) Bromodichloromethane	7.806	83	138052	53.191	ug/l	99
48) Methyl methacrylate	7.677	41	90949	46.787	ug/l	95
49) 1,4-Dioxane	7.647	88	22265	1133.364	ug/l	93
51) 4-Methyl-2-Pentanone	8.555	43	520350	240.488	ug/l	98
52) Toluene	8.702	92	232798	55.981	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	136832	51.686	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	148138	52.353	ug/l	96
55) 1,1,2-Trichloroethane	9.135	97	86130	53.713	ug/l	99
56) Ethyl methacrylate	9.104	69	129630	51.476	ug/l	93
57) 1,3-Dichloropropane	9.293	76	148888	54.051	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	298842	248.506	ug/l	97
59) 2-Hexanone	9.415	43	358717	230.835	ug/l	97
60) Dibromochloromethane	9.506	129	104588	56.607	ug/l	99
61) 1,2-Dibromoethane	9.592	107	90529	55.428	ug/l	99
64) Tetrachloroethene	9.256	164	85550	60.843	ug/l	98
65) Chlorobenzene	10.061	112	263333	53.741	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	88510	52.346	ug/l	99
67) Ethyl Benzene	10.177	91	449527	53.169	ug/l	98
68) m/p-Xylenes	10.287	106	338851	107.678	ug/l	99
69) o-Xylene	10.628	106	159205	52.305	ug/l	100
70) Styrene	10.640	104	278251	52.172	ug/l	99
71) Bromoform	10.781	173	65502	51.880	ug/l	99
73) Isopropylbenzene	10.945	105	419344	50.697	ug/l	100
74) N-amyl acetate	10.829	43	168361	44.635	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	117258	46.855	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	107213m	48.671	ug/l	
77) Bromobenzene	11.177	156	99154	48.671	ug/l	98
78) n-propylbenzene	11.287	91	503971	51.541	ug/l	100
79) 2-Chlorotoluene	11.348	91	295877	49.405	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	340940	50.169	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	35991	41.666	ug/l	98
82) 4-Chlorotoluene	11.439	91	352328	49.812	ug/l	99
83) tert-Butylbenzene	11.695	119	345143	49.613	ug/l	100
84) 1,2,4-Trimethylbenzene	11.732	105	345409	50.133	ug/l	100
85) sec-Butylbenzene	11.872	105	427570	51.744	ug/l	100
86) p-Isopropyltoluene	11.988	119	356182	50.915	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	186343	49.246	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	186638	48.058	ug/l	100
89) n-Butylbenzene	12.317	91	334542	51.682	ug/l	98
90) Hexachloroethane	12.518	117	65890	53.647	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	175320	48.633	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	21922	43.267	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	108523	46.320	ug/l	100
94) Hexachlorobutadiene	13.707	225	39448	49.569	ug/l	99
95) Naphthalene	13.756	128	319774	44.822	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	102466	47.015	ug/l	98

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

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