

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048177.D
 Acq On : 14 Oct 2025 18:59
 Operator : JC/MD
 Sample : Q3311-03MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-219MS

Manual Integrations
 APPROVED

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

Quant Time: Oct 15 02:51:00 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

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	113183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	188359	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	183859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	100149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83904	46.572	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.140%			
35) Dibromofluoromethane	5.379	113	64643	51.172	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.340%			
50) Toluene-d8	8.635	98	206823	47.316	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.640%			
62) 4-Bromofluorobenzene	11.061	95	83421	50.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	54540	46.535	ug/l	99
3) Chloromethane	1.301	50	71003	46.095	ug/l	99
4) Vinyl Chloride	1.380	62	74070	49.123	ug/l	100
5) Bromomethane	1.618	94	48538	50.764	ug/l	98
6) Chloroethane	1.697	64	47379	47.013	ug/l	98
7) Trichlorofluoromethane	1.898	101	110316	49.273	ug/l	100
8) Diethyl Ether	2.136	74	41320	45.117	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	62091	47.430	ug/l	98
10) Methyl Iodide	2.459	142	76950	37.689	ug/l	99
11) Tert butyl alcohol	2.947	59	36744	183.126	ug/l	100
12) 1,1-Dichloroethene	2.325	96	63315	47.084	ug/l	95
13) Acrolein	2.239	56	30503	164.969	ug/l	99
14) Allyl chloride	2.666	41	117162	42.222	ug/l	98
15) Acrylonitrile	3.062	53	173110	232.920	ug/l	98
16) Acetone	2.373	43	135005	172.346	ug/l	96
17) Carbon Disulfide	2.520	76	191520	52.025	ug/l	99
18) Methyl Acetate	2.703	43	67978	38.994	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	215114	43.821	ug/l	98
20) Methylene Chloride	2.794	84	76520	46.149	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	69387	47.927	ug/l	98
22) Diisopropyl ether	3.757	45	245040	45.565	ug/l	98
23) Vinyl Acetate	3.715	43	936217	217.517	ug/l	100
24) 1,1-Dichloroethane	3.611	63	132635	46.402	ug/l	99
25) 2-Butanone	4.538	43	202872	207.624	ug/l	98
26) 2,2-Dichloropropane	4.471	77	94427	39.741	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	82963	46.792	ug/l	98
28) Bromochloromethane	4.891	49	59641	47.794	ug/l	100
29) Tetrahydrofuran	4.995	42	128311	218.287	ug/l	99
30) Chloroform	5.086	83	140781	48.739	ug/l	98
31) Cyclohexane	5.464	56	104351	43.833	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	114857	46.880	ug/l	98
36) 1,1-Dichloropropene	5.684	75	89974	48.743	ug/l	99
37) Ethyl Acetate	4.702	43	88046	44.548	ug/l	98
38) Carbon Tetrachloride	5.666	117	99803	49.762	ug/l	97
39) Methylcyclohexane	7.367	83	99094	47.293	ug/l	99
40) Benzene	6.025	78	280855	50.095	ug/l	98

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41) Methacrylonitrile	4.910	41	47567	46.619	ug/l	96
42) 1,2-Dichloroethane	6.074	62	105095	49.267	ug/l	99
43) Isopropyl Acetate	6.324	43	142381	43.925	ug/l	99
44) Trichloroethene	7.110	130	73396	54.150	ug/l	97
45) 1,2-Dichloropropane	7.415	63	71391	49.729	ug/l	99
46) Dibromomethane	7.568	93	52143	49.913	ug/l	96
47) Bromodichloromethane	7.805	83	110549	51.281	ug/l	100
48) Methyl methacrylate	7.677	41	72740	45.051	ug/l	96
49) 1,4-Dioxane	7.647	88	16171	991.034	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	435584	242.367	ug/l	100
52) Toluene	8.702	92	173526	50.237	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	105505	47.981	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	110077	46.835	ug/l	99
55) 1,1,2-Trichloroethane	9.134	97	67743	50.862	ug/l	99
56) Ethyl methacrylate	9.104	69	99551	47.594	ug/l	99
57) 1,3-Dichloropropane	9.293	76	115447	50.458	ug/l	99
59) 2-Hexanone	9.415	43	290363	224.955	ug/l	100
60) Dibromochloromethane	9.506	129	79592	51.864	ug/l	98
61) 1,2-Dibromoethane	9.592	107	69831	51.475	ug/l	100
64) Tetrachloroethene	9.256	164	338188	282.160	ug/l	99
65) Chlorobenzene	10.061	112	185963	44.521	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	66507	46.142	ug/l	98
67) Ethyl Benzene	10.177	91	321978	44.676	ug/l	99
68) m/p-Xylenes	10.287	106	244482	91.140	ug/l	98
69) o-Xylene	10.628	106	115463	44.501	ug/l	100
70) Styrene	10.640	104	204406	44.962	ug/l	99
71) Bromoform	10.781	173	52960	49.208	ug/l #	98
73) Isopropylbenzene	10.945	105	296306	38.916	ug/l	99
74) N-amyl acetate	10.829	43	118143	34.027	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	92851	40.307	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	91617m	45.183	ug/l	
77) Bromobenzene	11.183	156	73610	39.253	ug/l	98
78) n-propylbenzene	11.287	91	353805	39.309	ug/l	100
79) 2-Chlorotoluene	11.348	91	214818	38.968	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	245592	39.260	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	26756	33.650	ug/l	97
82) 4-Chlorotoluene	11.439	91	255455	39.236	ug/l	100
83) tert-Butylbenzene	11.695	119	245346	38.313	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	248576	39.195	ug/l	99
85) sec-Butylbenzene	11.872	105	294940	38.776	ug/l	99
86) p-Isopropyltoluene	11.994	119	244107	37.908	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	135392	38.871	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	138429	38.722	ug/l	99
89) n-Butylbenzene	12.317	91	223001	37.426	ug/l	98
90) Hexachloroethane	12.518	117	48235	42.664	ug/l	95
91) 1,2-Dichlorobenzene	12.317	146	128968	38.864	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	17178	36.832	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	74788	34.678	ug/l	95
94) Hexachlorobutadiene	13.707	225	25789	35.204	ug/l	99
95) Naphthalene	13.756	128	234346	35.684	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	73249	36.512	ug/l	100

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

