

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101325\
 Data File : VX048150.D
 Acq On : 13 Oct 2025 17:54
 Operator : JC/MD
 Sample : Q3311-04MSD 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-219MSD

Quant Time: Oct 14 01:59:07 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	5.537	168	124727	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	212758	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	193365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	100768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	97775	49.249	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.500%		
35) Dibromofluoromethane	5.379	113	78908	55.301	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.600%		
50) Toluene-d8	8.634	98	263397	53.349	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	106.700%		
62) 4-Bromofluorobenzene	11.067	95	103303	55.131	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	110.260%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	82423	63.816	ug/l	99
3) Chloromethane	1.300	50	96150	56.643	ug/l	99
4) Vinyl Chloride	1.380	62	104331	62.788	ug/l	98
5) Bromomethane	1.611	94	66716	63.318	ug/l	99
6) Chloroethane	1.691	64	66876	60.217	ug/l	99
7) Trichlorofluoromethane	1.898	101	161117	65.304	ug/l	98
8) Diethyl Ether	2.136	74	56277	55.761	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.337	101	91196	63.215	ug/l	98
10) Methyl Iodide	2.459	142	118123	52.501	ug/l	98
11) Tert butyl alcohol	2.946	59	54235	245.281	ug/l	99
12) 1,1-Dichloroethene	2.325	96	90693	61.201	ug/l	96
13) Acrolein	2.239	56	61483	301.742	ug/l	99
14) Allyl chloride	2.666	41	162423	53.116	ug/l	98
15) Acrylonitrile	3.056	53	224969	274.681	ug/l	99
16) Acetone	2.373	43	172689	200.049	ug/l	98
17) Carbon Disulfide	2.520	76	264830	65.280	ug/l	98
18) Methyl Acetate	2.703	43	96268	50.110	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	294522	54.445	ug/l	100
20) Methylene Chloride	2.788	84	102050	55.850	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	95912	60.117	ug/l	98
22) Diisopropyl ether	3.751	45	330378	55.747	ug/l #	81
23) Vinyl Acetate	3.715	43	1293123	272.632	ug/l	100
24) 1,1-Dichloroethane	3.605	63	181639	57.665	ug/l	99
25) 2-Butanone	4.538	43	262478	243.764	ug/l	98
26) 2,2-Dichloropropane	4.471	77	135947	51.920	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	112705	57.683	ug/l	97
28) Bromochloromethane	4.885	49	76000	55.267	ug/l	100
29) Tetrahydrofuran	4.995	42	169667	261.928	ug/l	99
30) Chloroform	5.080	83	183937	57.786	ug/l	99
31) Cyclohexane	5.464	56	157004	59.846	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	163496	60.556	ug/l	100
36) 1,1-Dichloropropene	5.684	75	126333	60.591	ug/l	99
37) Ethyl Acetate	4.696	43	121463	54.408	ug/l	98
38) Carbon Tetrachloride	5.665	117	141184	62.322	ug/l	98
39) Methylcyclohexane	7.366	83	153807	64.987	ug/l	98
40) Benzene	6.025	78	384920	60.783	ug/l	99

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41) Methacrylonitrile	4.903	41	63211	54.847	ug/l	98
42) 1,2-Dichloroethane	6.074	62	140096	58.143	ug/l	99
43) Isopropyl Acetate	6.324	43	200360	54.723	ug/l	99
44) Trichloroethene	7.116	130	96628	63.114	ug/l	95
45) 1,2-Dichloropropane	7.421	63	98610	60.812	ug/l	99
46) Dibromomethane	7.568	93	71548	60.633	ug/l	99
47) Bromodichloromethane	7.805	83	146859	60.311	ug/l	97
48) Methyl methacrylate	7.677	41	99676	54.654	ug/l	96
49) 1,4-Dioxane	7.647	88	23336	1266.131	ug/l	98
51) 4-Methyl-2-Pentanone	8.561	43	573851	282.685	ug/l	99
52) Toluene	8.702	92	240647	61.680	ug/l	100
53) t-1,3-Dichloropropene	8.964	75	145491	58.577	ug/l	99
54) cis-1,3-Dichloropropene	8.354	75	157385	59.285	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	90491	60.150	ug/l	100
56) Ethyl methacrylate	9.104	69	136501	57.775	ug/l	99
57) 1,3-Dichloropropane	9.293	76	157547	60.962	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	351130	306.569	ug/l	99
59) 2-Hexanone	9.415	43	394286	270.437	ug/l	99
60) Dibromochloromethane	9.506	129	108681	62.697	ug/l	100
61) 1,2-Dibromoethane	9.592	107	95096	62.060	ug/l	99
64) Tetrachloroethene	9.256	164	84196	66.794	ug/l	97
65) Chlorobenzene	10.061	112	262674	59.795	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	93396	61.612	ug/l	99
67) Ethyl Benzene	10.177	91	459401	60.610	ug/l	99
68) m/p-Xylenes	10.287	106	349338	123.827	ug/l	99
69) o-Xylene	10.628	106	165824	60.769	ug/l	99
70) Styrene	10.640	104	285392	59.689	ug/l	99
71) Bromoform	10.780	173	69096	61.045	ug/l #	98
73) Isopropylbenzene	10.945	105	432805	56.494	ug/l	99
74) N-amyl acetate	10.829	43	177346	50.764	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	123627	53.337	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	110939m	54.376	ug/l	
77) Bromobenzene	11.183	156	103490	54.848	ug/l	98
78) n-propylbenzene	11.286	91	521035	57.533	ug/l	100
79) 2-Chlorotoluene	11.347	91	304394	54.878	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	358655	56.982	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	39030	48.785	ug/l	98
82) 4-Chlorotoluene	11.439	91	361484	55.180	ug/l	99
83) tert-Butylbenzene	11.695	119	352610	54.726	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	362030	56.733	ug/l	100
85) sec-Butylbenzene	11.872	105	442370	57.801	ug/l	100
86) p-Isopropyltoluene	11.994	119	371532	57.342	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	192709	54.986	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	193816	53.883	ug/l	99
89) n-Butylbenzene	12.317	91	347054	57.888	ug/l	98
90) Hexachloroethane	12.518	117	68315	60.054	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	183044	54.821	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	23852	50.827	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	116110	53.507	ug/l	98
94) Hexachlorobutadiene	13.707	225	43790	59.410	ug/l	99
95) Naphthalene	13.756	128	345316	52.259	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	108861	53.930	ug/l	98

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

