

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
 Data File : VX048765.D
 Acq On : 08 Dec 2025 18:43
 Operator : JC/MD
 Sample : Q3787-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-15B-42.5-120425-MSD

Quant Time: Dec 09 04:15:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/09/2025
 Supervised By : Mahesh Dadoda 12/09/2025

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	132053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	236459	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	210246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	103730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	94376	53.248	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.500%			
35) Dibromofluoromethane	5.373	113	71640	44.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.000%			
50) Toluene-d8	8.635	98	246820	43.248	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 86.500%#			
62) 4-Bromofluorobenzene	11.061	95	87600	44.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	75246	55.925	ug/l	96
3) Chloromethane	1.301	50	85763	50.513	ug/l	100
4) Vinyl Chloride	1.380	62	92023	50.892	ug/l	100
5) Bromomethane	1.611	94	62976	56.358	ug/l	95
6) Chloroethane	1.697	64	56131	49.877	ug/l	93
7) Trichlorofluoromethane	1.898	101	126977	48.996	ug/l	96
8) Diethyl Ether	2.136	74	55216	53.380	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	67709	45.067	ug/l	98
10) Methyl Iodide	2.459	142	113034	52.847	ug/l	96
11) Tert butyl alcohol	2.934	59	91401	319.414	ug/l	99
12) 1,1-Dichloroethene	2.325	96	76185	49.683	ug/l	98
13) Acrolein	2.233	56	94805	328.180	ug/l	99
14) Allyl chloride	2.666	41	151667	58.912	ug/l	96
15) Acrylonitrile	3.056	53	289692	324.899	ug/l	99
16) Acetone	2.374	43	240364	354.254	ug/l	98
17) Carbon Disulfide	2.514	76	218417	49.049	ug/l	98
18) Methyl Acetate	2.697	43	122071	63.943	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	296547	59.424	ug/l	100
20) Methylene Chloride	2.788	84	92954	54.809	ug/l	100
21) trans-1,2-Dichloroethene	3.093	96	83573	53.400	ug/l	96
22) Diisopropyl ether	3.751	45	307476	63.905	ug/l	99
23) Vinyl Acetate	3.715	43	1380586	341.487	ug/l	96
24) 1,1-Dichloroethane	3.605	63	162052	60.397	ug/l	98
25) 2-Butanone	4.538	43	379282	378.747	ug/l	95
26) 2,2-Dichloropropane	4.471	77	126787	53.405	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	107134	60.663	ug/l	93
28) Bromochloromethane	4.879	49	73318	55.751	ug/l	83
29) Tetrahydrofuran	4.983	42	248532	325.024	ug/l	92
30) Chloroform	5.080	83	164357	57.169	ug/l	100
31) Cyclohexane	5.458	56	114211	47.677	ug/l	94
32) 1,1,1-Trichloroethane	5.373	97	137153	53.244	ug/l	96
36) 1,1-Dichloropropene	5.678	75	101310	45.432	ug/l	98
37) Ethyl Acetate	4.696	43	166346	62.429	ug/l	98
38) Carbon Tetrachloride	5.666	117	115935	45.899	ug/l	100
39) Methylcyclohexane	7.367	83	106352	40.333	ug/l	98
40) Benzene	6.025	78	330918	50.059	ug/l	97

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41) Methacrylonitrile	4.904	41	75624	62.378	ug/l	94
42) 1,2-Dichloroethane	6.074	62	129080	55.169	ug/l	95
43) Isopropyl Acetate	6.324	43	228096	56.533	ug/l	94
44) Trichloroethene	7.110	130	90902	52.701	ug/l	91
45) 1,2-Dichloropropane	7.415	63	84132	50.920	ug/l	99
46) Dibromomethane	7.568	93	64397	51.396	ug/l	96
47) Bromodichloromethane	7.805	83	132825	50.845	ug/l	98
48) Methyl methacrylate	7.677	41	113869	56.104	ug/l	93
49) 1,4-Dioxane	7.641	88	29281	1048.991	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	750110	299.523	ug/l	97
52) Toluene	8.702	92	202440	50.785	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	135430	54.494	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	139203	52.118	ug/l	95
55) 1,1,2-Trichloroethane	9.134	97	82425	51.391	ug/l	97
56) Ethyl methacrylate	9.104	69	139193	55.445	ug/l	94
57) 1,3-Dichloropropane	9.293	76	142537	53.445	ug/l	99
59) 2-Hexanone	9.415	43	561086	319.161	ug/l	96
60) Dibromochloromethane	9.506	129	99997	50.420	ug/l	98
61) 1,2-Dibromoethane	9.592	107	88303	50.869	ug/l	100
64) Tetrachloroethene	9.256	164	60492	39.473	ug/l	95
65) Chlorobenzene	10.061	112	224156	48.708	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	80189	48.716	ug/l	98
67) Ethyl Benzene	10.177	91	373163	49.692	ug/l	98
68) m/p-Xylenes	10.287	106	281719	96.307	ug/l	99
69) o-Xylene	10.622	106	135097	49.286	ug/l	97
70) Styrene	10.634	104	238011	50.580	ug/l	99
71) Bromoform	10.781	173	69813	47.507	ug/l #	99
73) Isopropylbenzene	10.945	105	341593	48.867	ug/l	100
74) N-amyl acetate	10.823	43	186883	61.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.195	83	126896	53.801	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	101562m	52.568	ug/l	
77) Bromobenzene	11.177	156	88821	47.607	ug/l	98
78) n-propylbenzene	11.287	91	402813	49.755	ug/l	98
79) 2-Chlorotoluene	11.348	91	244532	49.533	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	282938	49.242	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	45025	55.358	ug/l #	80
82) 4-Chlorotoluene	11.433	91	292348	50.746	ug/l	100
83) tert-Butylbenzene	11.695	119	285355	47.796	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	284007	49.000	ug/l	98
85) sec-Butylbenzene	11.872	105	334256	46.197	ug/l	100
86) p-Isopropyltoluene	11.988	119	286255	46.284	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	159683	46.427	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	164216	46.203	ug/l	99
89) n-Butylbenzene	12.311	91	263221	45.456	ug/l	98
90) Hexachloroethane	12.518	117	54335	43.044	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	155234	46.554	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	29702	51.744	ug/l	90
93) 1,2,4-Trichlorobenzene	13.567	180	94508	42.913	ug/l	99
94) Hexachlorobutadiene	13.707	225	32995	36.220	ug/l	97
95) Naphthalene	13.756	128	331262	52.612	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	88362	43.506	ug/l	98

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

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