

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120825\
 Data File : VX048764.D
 Acq On : 08 Dec 2025 18:22
 Operator : JC/MD
 Sample : Q3787-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Dec 09 04:14:59 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	149218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	267773	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	245391	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	117182	58.510	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.020%#			
35) Dibromofluoromethane	5.373	113	89600	48.597	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.200%			
50) Toluene-d8	8.635	98	300466	46.491	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.980%			
62) 4-Bromofluorobenzene	11.061	95	113409	50.888	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	85417	56.182	ug/l	95
3) Chloromethane	1.301	50	101302	52.802	ug/l	98
4) Vinyl Chloride	1.380	62	105877	51.818	ug/l	100
5) Bromomethane	1.611	94	70489	55.825	ug/l	97
6) Chloroethane	1.697	64	64380	50.627	ug/l	97
7) Trichlorofluoromethane	1.898	101	140388	47.939	ug/l	97
8) Diethyl Ether	2.136	74	61912	52.968	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	77622	45.722	ug/l	98
10) Methyl Iodide	2.459	142	120778	49.972	ug/l	98
11) Tert butyl alcohol	2.941	59	95339	294.849	ug/l	99
12) 1,1-Dichloroethene	2.325	96	85303	49.230	ug/l	98
13) Acrolein	2.233	56	99033	306.416	ug/l	99
14) Allyl chloride	2.666	41	169680	58.327	ug/l	98
15) Acrylonitrile	3.056	53	315401	313.042	ug/l	99
16) Acetone	2.374	43	266451	347.528	ug/l	98
17) Carbon Disulfide	2.514	76	245507	48.790	ug/l	99
18) Methyl Acetate	2.697	43	134400	62.303	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	326490	57.898	ug/l	100
20) Methylene Chloride	2.788	84	103850	54.190	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	93486	52.863	ug/l	95
22) Diisopropyl ether	3.751	45	339813	62.501	ug/l	96
23) Vinyl Acetate	3.715	43	1499635	328.264	ug/l	97
24) 1,1-Dichloroethane	3.605	63	178319	58.815	ug/l	99
25) 2-Butanone	4.538	43	408002	360.559	ug/l	94
26) 2,2-Dichloropropane	4.465	77	137070	51.095	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	117840	59.050	ug/l	94
28) Bromochloromethane	4.885	49	76912	51.756	ug/l	83
29) Tetrahydrofuran	4.983	42	266972	308.977	ug/l	94
30) Chloroform	5.080	83	181657	55.918	ug/l	98
31) Cyclohexane	5.464	56	124800	46.104	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	150241	51.615	ug/l	96
36) 1,1-Dichloropropene	5.678	75	111707	44.236	ug/l	98
37) Ethyl Acetate	4.690	43	181739	60.230	ug/l	98
38) Carbon Tetrachloride	5.666	117	129810	45.382	ug/l	95
39) Methylcyclohexane	7.367	83	119355	39.971	ug/l	99
40) Benzene	6.025	78	373398	49.880	ug/l	97

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41) Methacrylonitrile	4.904	41	82568	60.142	ug/l	94
42) 1,2-Dichloroethane	6.074	62	139760	52.748	ug/l	95
43) Isopropyl Acetate	6.318	43	251532	55.052	ug/l	95
44) Trichloroethene	7.110	130	102480	52.466	ug/l	92
45) 1,2-Dichloropropane	7.415	63	94833	50.685	ug/l	99
46) Dibromomethane	7.568	93	72314	50.965	ug/l	96
47) Bromodichloromethane	7.805	83	146227	49.430	ug/l	98
48) Methyl methacrylate	7.677	41	125351	54.538	ug/l	96
49) 1,4-Dioxane	7.647	88	29827	943.592	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	824973	290.894	ug/l	98
52) Toluene	8.702	92	226193	50.108	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	148000	52.588	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	153853	50.867	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	93282	51.359	ug/l	98
56) Ethyl methacrylate	9.098	69	158051	55.594	ug/l	97
57) 1,3-Dichloropropane	9.293	76	157141	52.031	ug/l	100
59) 2-Hexanone	9.415	43	610097	306.457	ug/l	98
60) Dibromochloromethane	9.506	129	111909	49.828	ug/l	99
61) 1,2-Dibromoethane	9.592	107	99938	50.839	ug/l	99
64) Tetrachloroethene	9.256	164	69138	38.653	ug/l	98
65) Chlorobenzene	10.061	112	246624	45.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.147	131	88070	45.841	ug/l	98
67) Ethyl Benzene	10.177	91	414806	47.326	ug/l	98
68) m/p-Xylenes	10.287	106	314664	92.163	ug/l	99
69) o-Xylene	10.622	106	153240	47.898	ug/l	99
70) Styrene	10.640	104	265723	48.381	ug/l	99
71) Bromoform	10.781	173	76989	44.887	ug/l #	98
73) Isopropylbenzene	10.945	105	374207	44.136	ug/l	99
74) N-amyl acetate	10.823	43	204022	55.382	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	137839	48.182	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	132853m	56.694	ug/l	
77) Bromobenzene	11.183	156	98566	43.556	ug/l	99
78) n-propylbenzene	11.287	91	442403	45.053	ug/l	100
79) 2-Chlorotoluene	11.348	91	268688	44.872	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	308503	44.267	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	47751	48.404	ug/l #	80
82) 4-Chlorotoluene	11.433	91	320872	45.920	ug/l	100
83) tert-Butylbenzene	11.695	119	313331	43.270	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	314064	44.675	ug/l	99
85) sec-Butylbenzene	11.872	105	371550	42.337	ug/l	100
86) p-Isopropyltoluene	11.988	119	314537	41.929	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	173442	41.576	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	179559	41.652	ug/l	99
89) n-Butylbenzene	12.311	91	288544	41.082	ug/l	99
90) Hexachloroethane	12.518	117	59625	38.944	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	171961	42.518	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	31346	45.022	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	104665	39.183	ug/l	98
94) Hexachlorobutadiene	13.707	225	38226	34.596	ug/l	94
95) Naphthalene	13.756	128	375371	49.682	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	99143	40.246	ug/l	99

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

