

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047798.D
 Acq On : 25 Sep 2025 10:13
 Operator : JC/MD
 Sample : VX0925WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0925WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/26/2025
 Supervised By : Mahesh Dadoda 09/29/2025

Quant Time: Sep 26 01:22:25 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	5.538	168	146604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	268605	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	252515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	124450	53.330	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.660%			
35) Dibromofluoromethane	5.367	113	93735	52.034	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.060%			
50) Toluene-d8	8.635	98	312702	50.167	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.340%			
62) 4-Bromofluorobenzene	11.061	95	125617	53.101	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	33486	22.058	ug/l	99
3) Chloromethane	1.301	50	41125	20.612	ug/l	98
4) Vinyl Chloride	1.380	62	40168	20.566	ug/l	99
5) Bromomethane	1.618	94	25791	20.825	ug/l	100
6) Chloroethane	1.697	64	26423	20.242	ug/l	95
7) Trichlorofluoromethane	1.892	101	57341	19.773	ug/l	98
8) Diethyl Ether	2.136	74	23961	20.199	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	34453	20.318	ug/l	97
10) Methyl Iodide	2.453	142	47378	17.915	ug/l	100
11) Tert butyl alcohol	2.940	59	25606	98.524	ug/l	100
12) 1,1-Dichloroethene	2.325	96	33638	19.312	ug/l	99
13) Acrolein	2.233	56	24626	102.823	ug/l	97
14) Allyl chloride	2.666	41	68523	19.064	ug/l	96
15) Acrylonitrile	3.056	53	108189	112.384	ug/l	99
16) Acetone	2.373	43	97856	96.444	ug/l	99
17) Carbon Disulfide	2.514	76	93220	19.550	ug/l	99
18) Methyl Acetate	2.703	43	51140	22.648	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	127175	20.001	ug/l	99
20) Methylene Chloride	2.788	84	44268	20.612	ug/l	92
21) trans-1,2-Dichloroethene	3.093	96	37858	20.188	ug/l	96
22) Diisopropyl ether	3.751	45	141341	20.291	ug/l	92
23) Vinyl Acetate	3.715	43	568677	102.004	ug/l	99
24) 1,1-Dichloroethane	3.599	63	75627	20.427	ug/l	98
25) 2-Butanone	4.538	43	136517	107.864	ug/l	99
26) 2,2-Dichloropropane	4.458	77	56506	18.360	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	46548	20.268	ug/l	98
28) Bromochloromethane	4.879	49	32353	20.016	ug/l	100
29) Tetrahydrofuran	4.989	42	83019	109.038	ug/l	97
30) Chloroform	5.074	83	77269	20.653	ug/l	96
31) Cyclohexane	5.458	56	59230	19.208	ug/l	98
32) 1,1,1-Trichloroethane	5.367	97	62827	19.798	ug/l	98
36) 1,1-Dichloropropene	5.684	75	49190	18.687	ug/l	99
37) Ethyl Acetate	4.696	43	58104	20.616	ug/l	99
38) Carbon Tetrachloride	5.660	117	52056	18.201	ug/l	97
39) Methylcyclohexane	7.367	83	53240	17.818	ug/l	98
40) Benzene	6.025	78	158698	19.850	ug/l	100

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41) Methacrylonitrile	4.897	41	29283	20.125	ug/l	97
42) 1,2-Dichloroethane	6.068	62	59188	19.457	ug/l	98
43) Isopropyl Acetate	6.318	43	92154	19.936	ug/l	99
44) Trichloroethene	7.110	130	38005	19.662	ug/l	91
45) 1,2-Dichloropropane	7.415	63	41172	20.111	ug/l	96
46) Dibromomethane	7.568	93	29874	20.053	ug/l	96
47) Bromodichloromethane	7.805	83	59888	19.481	ug/l	98
48) Methyl methacrylate	7.677	41	44455	19.308	ug/l	99
49) 1,4-Dioxane	7.653	88	11066	475.570	ug/l	99
51) 4-Methyl-2-Pentanone	8.555	43	283110	110.466	ug/l	99
52) Toluene	8.702	92	98340	19.965	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	59236	18.891	ug/l	100
54) cis-1,3-Dichloropropene	8.354	75	64785	19.330	ug/l	96
55) 1,1,2-Trichloroethane	9.134	97	39867	20.990	ug/l	98
56) Ethyl methacrylate	9.104	69	59966	20.104	ug/l	97
57) 1,3-Dichloropropane	9.293	76	67634	20.730	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	144584	108.334	ug/l	99
59) 2-Hexanone	9.415	43	197021	107.038	ug/l	99
60) Dibromochloromethane	9.506	129	44875	20.506	ug/l	99
61) 1,2-Dibromoethane	9.592	107	40314	20.839	ug/l	99
64) Tetrachloroethene	9.256	164	30782	18.700	ug/l	97
65) Chlorobenzene	10.061	112	108771	18.961	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	37519	18.953	ug/l	99
67) Ethyl Benzene	10.177	91	178998	18.084	ug/l	100
68) m/p-Xylenes	10.287	106	138405	37.567	ug/l	98
69) o-Xylene	10.622	106	65909	18.496	ug/l	100
70) Styrene	10.640	104	118170	18.926	ug/l	98
71) Bromoform	10.781	173	28902	19.553	ug/l #	99
73) Isopropylbenzene	10.945	105	167580	16.760	ug/l	100
74) N-amyl acetate	10.829	43	79411	17.416	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	57282	18.935	ug/l	97
76) 1,2,3-Trichloropropane	11.219	75	44609m	16.752	ug/l	
77) Bromobenzene	11.183	156	43141	17.518	ug/l	97
78) n-propylbenzene	11.287	91	199146	16.848	ug/l	100
79) 2-Chlorotoluene	11.348	91	124253	17.163	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	139354	16.963	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	16807	16.095	ug/l	95
82) 4-Chlorotoluene	11.439	91	148311	17.346	ug/l	99
83) tert-Butylbenzene	11.695	119	140839	16.747	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	142656	17.128	ug/l	100
85) sec-Butylbenzene	11.872	105	168936	16.912	ug/l	99
86) p-Isopropyltoluene	11.994	119	140679	16.635	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	79979	17.485	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	83367	17.757	ug/l	99
89) n-Butylbenzene	12.311	91	129927	16.604	ug/l	98
90) Hexachloroethane	12.518	117	23841	16.057	ug/l	97
91) 1,2-Dichlorobenzene	12.317	146	77419	17.765	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	10795	17.625	ug/l	98
93) 1,2,4-Trichlorobenzene	13.567	180	45993	16.239	ug/l	99
94) Hexachlorobutadiene	13.707	225	14948	15.538	ug/l	99
95) Naphthalene	13.756	128	143587	16.649	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	44483	16.884	ug/l	99

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

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