

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048039.D
 Acq On : 07 Oct 2025 10:06
 Operator : JC/MD
 Sample : VX1007WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1007WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/08/2025
 Supervised By : Mahesh Dadoda 10/09/2025

Quant Time: Oct 08 01:21:24 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	5.531	168	127551	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.745	114	226030	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	211007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	108312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	110272	54.313	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.620%			
35) Dibromofluoromethane	5.367	113	84576	55.793	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.580%			
50) Toluene-d8	8.628	98	280524	53.482	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.960%			
62) 4-Bromofluorobenzene	11.061	95	108967	54.739	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.480%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.172	85	25457	19.274	ug/l	100
3) Chloromethane	1.300	50	29667	17.090	ug/l	95
4) Vinyl Chloride	1.380	62	32075	18.876	ug/l	94
5) Bromomethane	1.617	94	21458	19.914	ug/l	84
6) Chloroethane	1.697	64	22720	20.005	ug/l	99
7) Trichlorofluoromethane	1.892	101	50935	20.188	ug/l	97
8) Diethyl Ether	2.136	74	21612	20.940	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	30061	20.376	ug/l	98
10) Methyl Iodide	2.453	142	32850	14.277	ug/l	97
11) Tert butyl alcohol	2.940	59	22993	101.685	ug/l	99
12) 1,1-Dichloroethene	2.325	96	29889	19.723	ug/l	95
13) Acrolein	2.233	56	24670	118.393	ug/l	98
14) Allyl chloride	2.666	41	58931	18.845	ug/l	98
15) Acrylonitrile	3.056	53	92930	110.953	ug/l	98
16) Acetone	2.373	43	88859	100.659	ug/l	97
17) Carbon Disulfide	2.514	76	70003	16.874	ug/l	98
18) Methyl Acetate	2.697	43	47265	24.058	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	118021	21.334	ug/l	98
20) Methylene Chloride	2.782	84	38687	20.704	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	31652	19.400	ug/l	92
22) Diisopropyl ether	3.745	45	130728	21.570	ug/l #	81
23) Vinyl Acetate	3.709	43	507345	104.596	ug/l	100
24) 1,1-Dichloroethane	3.599	63	68520	21.271	ug/l	99
25) 2-Butanone	4.532	43	119146	108.201	ug/l	98
26) 2,2-Dichloropropane	4.464	77	54117	20.211	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	42867	21.454	ug/l	96
28) Bromochloromethane	4.879	49	31915	22.695	ug/l	96
29) Tetrahydrofuran	4.983	42	71303	107.639	ug/l	100
30) Chloroform	5.074	83	72615	22.308	ug/l	100
31) Cyclohexane	5.452	56	46681	17.400	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	58620	21.231	ug/l	98
36) 1,1-Dichloropropene	5.672	75	42751	19.300	ug/l	99
37) Ethyl Acetate	4.690	43	47008	19.820	ug/l	99
38) Carbon Tetrachloride	5.659	117	49885	20.728	ug/l	98
39) Methylcyclohexane	7.360	83	43263	17.206	ug/l	96
40) Benzene	6.019	78	141033	20.963	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	26454	21.606	ug/l	97
42) 1,2-Dichloroethane	6.068	62	55987	21.872	ug/l	100
43) Isopropyl Acetate	6.318	43	81806	21.031	ug/l	99
44) Trichloroethene	7.110	130	33905	20.845	ug/l	96
45) 1,2-Dichloropropane	7.415	63	37696	21.882	ug/l	100
46) Dibromomethane	7.561	93	27445	21.893	ug/l	97
47) Bromodichloromethane	7.799	83	59042	22.823	ug/l	96
48) Methyl methacrylate	7.677	41	40768	21.041	ug/l	99
49) 1,4-Dioxane	7.641	88	10466	534.506	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	251101	116.432	ug/l	99
52) Toluene	8.702	92	87184	21.034	ug/l	99
53) t-1,3-Dichloropropene	8.964	75	55042	20.860	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	60721	21.530	ug/l	95
55) 1,1,2-Trichloroethane	9.134	97	37323	23.352	ug/l	99
56) Ethyl methacrylate	9.098	69	53104	21.157	ug/l	99
57) 1,3-Dichloropropane	9.293	76	62668	22.825	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	125479	111.431	ug/l	100
59) 2-Hexanone	9.415	43	172903	111.629	ug/l	100
60) Dibromochloromethane	9.500	129	43740	23.752	ug/l	99
61) 1,2-Dibromoethane	9.592	107	36959	22.703	ug/l	98
64) Tetrachloroethene	9.256	164	26192	19.041	ug/l	98
65) Chlorobenzene	10.061	112	98733	20.597	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	35646	21.549	ug/l	97
67) Ethyl Benzene	10.177	91	162190	19.609	ug/l	100
68) m/p-Xylenes	10.287	106	123357	40.069	ug/l	99
69) o-Xylene	10.622	106	59317	19.920	ug/l	99
70) Styrene	10.640	104	104217	19.974	ug/l	99
71) Bromoform	10.780	173	28223	22.850	ug/l #	96
73) Isopropylbenzene	10.945	105	153512	18.642	ug/l	100
74) N-amyl acetate	10.823	43	69869	18.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	53287	21.389	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	46944m	21.406	ug/l	
77) Bromobenzene	11.183	156	39165	19.311	ug/l	96
78) n-propylbenzene	11.286	91	183093	18.809	ug/l	99
79) 2-Chlorotoluene	11.347	91	114168	19.149	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	127082	18.784	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.000	75	15343	17.842	ug/l	99
82) 4-Chlorotoluene	11.439	91	136375	19.367	ug/l	99
83) tert-Butylbenzene	11.695	119	129137	18.646	ug/l	99
84) 1,2,4-Trimethylbenzene	11.731	105	128943	18.799	ug/l	99
85) sec-Butylbenzene	11.872	105	153093	18.610	ug/l	100
86) p-Isopropyltoluene	11.994	119	129402	18.581	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	72823	19.332	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	75915	19.635	ug/l	99
89) n-Butylbenzene	12.317	91	117072	18.167	ug/l	98
90) Hexachloroethane	12.518	117	24379	19.938	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	70733	19.709	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	9505	18.844	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	41535	17.807	ug/l	99
94) Hexachlorobutadiene	13.707	225	14621	18.455	ug/l	99
95) Naphthalene	13.756	128	124254	17.494	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	40530	18.680	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Abundance

TIC: VX048039.D\data.ms

Time-->

750000

700000

650000

600000

550000

500000

450000

400000

350000

300000

250000

200000

150000

100000

50000

0

2.00

3.00

4.00

5.00

6.00

7.00

8.00

9.00

10.00

11.00

12.00

13.00

14.00

15.00

16.00

Dichlorodifluoromethane, T

Chloroethane, T

Chloromethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

Acrolein, T

1,1,2-Trichloroethane, T

Methyl Acetylenedisulfide, T

Methyl Acetylene Chloride, T

Tert butyl alcohol, T

Acrylonitrile, T

1,1-Dichloroethane, P

Diisopropyl ether, T

Vinyl Acetate, T

2-Butanone, T

Ethyl Acetate, T

2,4-Dichloropentane, T

Bromochloromethane, T

Chloroform, T

Cyclohexane, T

1,1-Dichloroethane, S

Pentachlorobenzene, I

1,2-Dichloropropane, T

1,2-Dichloropropane-d4, S

Isopropyl Acetate, T

1,4-Difluorobenzene, I

Trichloroethene, TM

1,2-Methyldichloropropane, T

1,4-Dioxane, T

Bromochloroethane, T

Methyl Methacrylate, T

Bromodichloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanone, T

Toluene, CM

1,1,2-Trichloroethane, T

1,1,2-Trichloroethane, T

Chlorobenzene-d5, I

m/p-Xylenes, T

Bromofum, P

N-amyl acetate, T

trans-1,2-Dichloro-2-butene, T

1,2,3-Trichlorobenzene, T

4-Chlorotoluene, T

1,3,5-Trimethylbenzene, T

tert-Butylbenzene, T

1,2,4-Trimethylbenzene, T

1,3-Dichlorobenzene, I

1,3-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

Hexachlorobutadiene, T

1,2,4-Trichlorobenzene, T

Napthalene, T

1,2,3-Trichlorobenzene, T

p-Isopropylchlorobenzene-d4, I

p-Isopropylchlorobenzene, T