

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
 Data File : VX044924.D
 Acq On : 12 Feb 2025 11:46
 Operator : JC/MD
 Sample : VX0212WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0212WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2025
 Supervised By : Mahesh Dadoda 02/14/2025

Quant Time: Feb 13 00:48:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	109124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	195530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80512	50.403	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.800%			
35) Dibromofluoromethane	5.379	113	62877	49.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.920%			
50) Toluene-d8	8.647	98	237599	49.426	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.860%			
62) 4-Bromofluorobenzene	11.079	95	82362	50.822	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28368	18.535	ug/l	98
3) Chloromethane	1.300	50	32731	17.571	ug/l	97
4) Vinyl Chloride	1.374	62	30493	16.897	ug/l	99
5) Bromomethane	1.593	94	10500	19.444	ug/l	96
6) Chloroethane	1.666	64	16764	22.039	ug/l	96
7) Trichlorofluoromethane	1.874	101	42415	18.586	ug/l	98
8) Diethyl Ether	2.130	74	15579	18.823	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	25639	18.594	ug/l	98
10) Methyl Iodide	2.447	142	33551	18.775	ug/l	98
11) Tert butyl alcohol	2.977	59	28954	97.705	ug/l	100
12) 1,1-Dichloroethene	2.312	96	24602	17.491	ug/l	98
13) Acrolein	2.233	56	33787	110.506	ug/l	99
14) Allyl chloride	2.654	41	45724	17.988	ug/l	96
15) Acrylonitrile	3.062	53	78273	98.927	ug/l	100
16) Acetone	2.380	43	63063	98.205	ug/l	100
17) Carbon Disulfide	2.501	76	64096	16.618	ug/l	100
18) Methyl Acetate	2.703	43	40286	19.880	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	83480	18.654	ug/l	99
20) Methylene Chloride	2.782	84	29005	18.440	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	24931	18.010	ug/l	99
22) Diisopropyl ether	3.757	45	90509	18.821	ug/l	92
23) Vinyl Acetate	3.715	43	368403	93.966	ug/l	99
24) 1,1-Dichloroethane	3.605	63	50302	18.694	ug/l	99
25) 2-Butanone	4.556	43	103530	99.286	ug/l	96
26) 2,2-Dichloropropane	4.465	77	37530	17.587	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	30826	18.539	ug/l	100
28) Bromochloromethane	4.891	49	23310	18.026	ug/l	100
29) Tetrahydrofuran	5.001	42	68341	98.700	ug/l	99
30) Chloroform	5.086	83	48606	18.626	ug/l	94
31) Cyclohexane	5.458	56	44168	17.805	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	40279	18.197	ug/l	99
36) 1,1-Dichloropropene	5.684	75	33377	18.198	ug/l	100
37) Ethyl Acetate	4.708	43	39407	19.317	ug/l	100
38) Carbon Tetrachloride	5.672	117	33581	18.684	ug/l	97
39) Methylcyclohexane	7.373	83	46041	19.417	ug/l	99
40) Benzene	6.031	78	108219	18.896	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	22151	20.286	ug/l	97
42) 1,2-Dichloroethane	6.080	62	36480	19.986	ug/l	98
43) Isopropyl Acetate	6.336	43	63766	19.356	ug/l	99
44) Trichloroethene	7.123	130	24516	18.728	ug/l	97
45) 1,2-Dichloropropane	7.421	63	27915	19.592	ug/l	96
46) Dibromomethane	7.580	93	19165	19.396	ug/l	98
47) Bromodichloromethane	7.818	83	36997	19.337	ug/l	98
48) Methyl methacrylate	7.690	41	31202	20.087	ug/l	97
49) 1,4-Dioxane	7.665	88	14026	420.866	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	212510	106.108	ug/l	97
52) Toluene	8.714	92	66094	19.378	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	34442	17.789	ug/l	97
54) cis-1,3-Dichloropropene	8.360	75	41592	19.267	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	26607	20.293	ug/l	97
56) Ethyl methacrylate	9.116	69	40596	19.170	ug/l	98
57) 1,3-Dichloropropane	9.305	76	46702	20.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	103937	99.959	ug/l	100
59) 2-Hexanone	9.427	43	153073	106.078	ug/l	97
60) Dibromochloromethane	9.518	129	26674	19.022	ug/l	99
61) 1,2-Dibromoethane	9.610	107	26006	19.569	ug/l	98
64) Tetrachloroethene	9.269	164	20728	19.003	ug/l	97
65) Chlorobenzene	10.073	112	70760	19.047	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	22330	18.675	ug/l	97
67) Ethyl Benzene	10.189	91	124767	19.032	ug/l	99
68) m/p-Xylenes	10.299	106	93995	38.868	ug/l	99
69) o-Xylene	10.640	106	47375	19.524	ug/l	99
70) Styrene	10.652	104	77185	19.743	ug/l	99
71) Bromoform	10.799	173	17281	19.365	ug/l #	99
73) Isopropylbenzene	10.957	105	119685	18.671	ug/l	100
74) N-amyl acetate	10.841	43	53361	18.396	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	40067	18.190	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	32786m	18.575	ug/l	
77) Bromobenzene	11.195	156	27635	19.015	ug/l	96
78) n-propylbenzene	11.299	91	138789	18.758	ug/l	99
79) 2-Chlorotoluene	11.360	91	85355	18.770	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	100422	19.305	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10934	15.935	ug/l	90
82) 4-Chlorotoluene	11.451	91	94450	18.774	ug/l	99
83) tert-Butylbenzene	11.713	119	99375	18.884	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	98836	19.251	ug/l	100
85) sec-Butylbenzene	11.890	105	123683	18.980	ug/l	100
86) p-Isopropyltoluene	12.006	119	101272	19.325	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	51486	19.265	ug/l	97
88) 1,4-Dichlorobenzene	12.036	146	49926	18.476	ug/l	98
89) n-Butylbenzene	12.329	91	88204	19.025	ug/l	99
90) Hexachloroethane	12.536	117	16680	16.999	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	50206	19.114	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7523	18.713	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	28292	17.801	ug/l	99
94) Hexachlorobutadiene	13.719	225	11686	18.521	ug/l	98
95) Naphthalene	13.774	128	107107	18.642	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	29556	18.455	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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TIC: VX044924.D\data.ms

Abundance

Time-->

580000

560000

540000

520000

500000

480000

460000

440000

420000

400000

380000

360000

340000

320000

300000

280000

260000

240000

220000

200000

180000

160000

140000

120000

100000

80000

60000

40000

20000

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

Chloroethylene, C

Chloroethane, T

Trichlorofluoromethane, T

Diethyl Ether, T

1,1,2-Dichloroethane, T

Acetone, T

Methyl tert-butyl sulfide, T

Methyl Acetyl Chloride, T

Methyl Chloride, T

Tert butyl alcohol, T

Methyl tert-butyl ether, T

1,1-Dichloroethane, P

Diisopropyl ether, T

Vinyl Acetate, T

2-Butanol, T

Ethyl Acetate, T

2,2-Dichloropropane, T

Chloroform, T

Cyclohexane, T

Dibromomethane, S

Pentachlorobenzene, I

Carbon tetrachloride, T

1,2-Dichloroethane, T

1,2-Dichloroethane-d4, S

Isopropyl Acetate, T

1,4-Difluorobenzene, I

Trichloroethene, TM

1,2-Dichloropropane, T

1,4-Dioxane, T

Methyl Acetate, T

Bromochloromethane, T

cis-1,3-Dichloropropene, T

2-Chloroethyl Vinyl ether, T

4-Methyl-2-Pentanol, T

Toluene, CM

t-1,3-Dichloropropane, T

Ethyl methyl ether, T

1,3-Dichloropropane, T

1,2-Dichloropropane, T

Chlorobenzene, PM

1,1,1,2-Tetrachloroethane, T

1,1,2-Trichloroethane, T

Styrene, T o-Xylene, T

Bromobenzene, P

N-ethyl acetate, T

trans-1,2-Dichloroethene, T

Isopropylbenzene, T

4-Bromofluorobenzene, S

1,2,3-Trichlorobenzene, T

2-Chlorobenzene, T

1,3,5-Trimethylbenzene, T

tert-Butylbenzene, T

1,2,4-Trichlorobenzene, T

1,3-Dichlorobenzene, T

1,4-Dichlorobenzene-d4, I

p-Isopropyltoluene, T

1,2-Dichlorobenzene, T

Hexachloroethane, T

1,2-Dibromo-3-Chloropropane, T

Hexachlorobutadiene, T

1,2,4-Trichlorobenzene, T

Naphthalene, T

1,2,3-Trichlorobenzene, T