

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\
 Data File : VX044979.D
 Acq On : 18 Feb 2025 11:54
 Operator : JC/MD
 Sample : VX0218WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0218WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/19/2025
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 12:21:30 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	109899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	202747	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	177300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83521	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	87606	54.46	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	108.92%
35) Dibromofluoromethane	5.379	113	70807	53.72	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.44%
50) Toluene-d8	8.647	98	258244	51.81	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.62%
62) 4-Bromofluorobenzene	11.079	95	91160	54.25	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.50%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.167	85	29516	19.15	ug/l 95
3) Chloromethane	1.295	50	35417	18.88	ug/l 99
4) Vinyl Chloride	1.374	62	34176	18.80	ug/l 99
5) Bromomethane	1.599	94	16532	30.40	ug/l 96
6) Chloroethane	1.679	64	20657	27.20	ug/l 97
7) Trichlorofluoromethane	1.886	101	47564	20.69	ug/l 98
8) Diethyl Ether	2.130	74	17904	21.48	ug/l 99
9) 1,1,2-Trichlorotrifluo...	2.325	101	28270	20.36	ug/l 99
10) Methyl Iodide	2.447	142	36989	20.55	ug/l 97
11) Tert butyl alcohol	2.953	59	31469	105.44	ug/l 99
12) 1,1-Dichloroethene	2.319	96	27700	19.56	ug/l 98
13) Acrolein	2.233	56	30180	98.01	ug/l 97
14) Allyl chloride	2.660	41	52178	20.38	ug/l 97
15) Acrylonitrile	3.056	53	84609	106.18	ug/l 100
16) Acetone	2.374	43	69130	106.89	ug/l 94
17) Carbon Disulfide	2.508	76	72970	18.79	ug/l 99
18) Methyl Acetate	2.697	43	44529	21.82	ug/l 96
19) Methyl tert-butyl Ether	3.111	73	91397	20.28	ug/l 99
20) Methylene Chloride	2.782	84	31735	20.03	ug/l 96
21) trans-1,2-Dichloroethene	3.087	96	28289	20.29	ug/l 95
22) Diisopropyl ether	3.751	45	100615	20.77	ug/l # 81
23) Vinyl Acetate	3.715	43	403959	102.31	ug/l 100
24) 1,1-Dichloroethane	3.605	63	54774	20.21	ug/l 98
25) 2-Butanone	4.550	43	113278	107.87	ug/l 94
26) 2,2-Dichloropropane	4.465	77	42654	19.85	ug/l 98
27) cis-1,2-Dichloroethene	4.483	96	33680	20.11	ug/l 98
28) Bromochloromethane	4.891	49	28007	21.51	ug/l 99
29) Tetrahydrofuran	4.995	42	73949	106.05	ug/l 99
30) Chloroform	5.087	83	54225	20.63	ug/l 97
31) Cyclohexane	5.465	56	48717	19.50	ug/l 98
32) 1,1,1-Trichloroethane	5.373	97	45552	20.43	ug/l 97
36) 1,1-Dichloropropene	5.690	75	38002	19.98	ug/l 98
37) Ethyl Acetate	4.709	43	41751	19.74	ug/l 99
38) Carbon Tetrachloride	5.672	117	38320	20.56	ug/l 99
39) Methylcyclohexane	7.373	83	49064	19.96	ug/l 96
40) Benzene	6.031	78	117972	19.87	ug/l 100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24724	21.84	ug/l	98
42) 1,2-Dichloroethane	6.080	62	40402	21.35	ug/l	99
43) Isopropyl Acetate	6.336	43	69420	20.32	ug/l	98
44) Trichloroethene	7.123	130	27404	20.19	ug/l	100
45) 1,2-Dichloropropane	7.428	63	30000	20.31	ug/l	96
46) Dibromomethane	7.574	93	21173	20.66	ug/l	97
47) Bromodichloromethane	7.818	83	42613	21.48	ug/l	97
48) Methyl methacrylate	7.690	41	33167	20.59	ug/l	97
49) 1,4-Dioxane	7.653	88	15602	451.49	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	228582	110.07	ug/l	98
52) Toluene	8.714	92	72346	20.46	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	39377	19.61	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	45813	20.47	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	27955	20.56	ug/l	99
56) Ethyl methacrylate	9.110	69	43499	19.81	ug/l	96
57) 1,3-Dichloropropane	9.305	76	49217	20.69	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	105247	97.62	ug/l	100
59) 2-Hexanone	9.427	43	166721	111.42	ug/l	96
60) Dibromochloromethane	9.519	129	30948	21.28	ug/l	98
61) 1,2-Dibromoethane	9.604	107	28254	20.50	ug/l	100
64) Tetrachloroethene	9.269	164	23498	21.02	ug/l	99
65) Chlorobenzene	10.073	112	78593	20.64	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	24960	20.36	ug/l	99
67) Ethyl Benzene	10.189	91	135368	20.14	ug/l	99
68) m/p-Xylenes	10.299	106	101372	40.89	ug/l	98
69) o-Xylene	10.640	106	50439	20.28	ug/l	99
70) Styrene	10.653	104	84167	21.00	ug/l	100
71) Bromoform	10.799	173	19556	21.38	ug/l #	98
73) Isopropylbenzene	10.957	105	130439	19.40	ug/l	100
74) N-amyl acetate	10.842	43	59624	19.59	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.207	83	44288	19.16	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	42527m	22.97	ug/l	
77) Bromobenzene	11.195	156	30253	19.84	ug/l	97
78) n-propylbenzene	11.299	91	152349	19.63	ug/l	100
79) 2-Chlorotoluene	11.360	91	91778	19.24	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	108175	19.82	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	12106	16.82	ug/l	88
82) 4-Chlorotoluene	11.451	91	105620	20.01	ug/l	100
83) tert-Butylbenzene	11.713	119	108865	19.72	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	109438	20.32	ug/l	98
85) sec-Butylbenzene	11.884	105	135332	19.80	ug/l	100
86) p-Isopropyltoluene	12.006	119	110856	20.16	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	56611	20.19	ug/l	98
88) 1,4-Dichlorobenzene	12.037	146	56743	20.02	ug/l	99
89) n-Butylbenzene	12.329	91	100938	20.75	ug/l	99
90) Hexachloroethane	12.536	117	19319	18.77	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	57211	20.76	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8149	19.32	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	33743	20.24	ug/l	100
94) Hexachlorobutadiene	13.719	225	13328	20.13	ug/l	98
95) Naphthalene	13.774	128	118089	19.59	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	33820	20.13	ug/l	98

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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: VX044979.D\data.ms

Time-->

600000

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

0.00 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, I
Chloroacetaldehyde, C
Chloromethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Methyl isobutyl Disulfide, T
Methyl Acetyl chloride, T
Methyl Chloride, T
Tert butyl alcohol, T
Methyl isobutyl ether, T
Vinyl Acetate, T
1,1-Dichloroethane, P
Diisopropyl ether, T
2,2-Dichloropropane, T
2-Butanone, T
Ethyl Acetate, T
Methyl isobutyl ether, T
Chloroform, T
Cyclohexane, T
Dibromodifluoromethane, S
Pentachlorobenzene, I
1,2-Dichloropropane, I
1,2-Dichloroethane, T
1,2-Dichloroethane, T
Isopropyl Acetate, T
1,4-Difluorobenzene, I
Trichloroethene, TM
1,2-Dichloroethane, T
1,4-Dioxane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
Toluene, CM
1,1,1,2-Tetrachloroethane, T
Chlorobenzene, T
Ethyl Benzene, C
Styrene, T
N-ethyl acetate, T
trans-1,2-Dichloro-2-butene, T
1,2,3-Trichloropropane, T
1,2,3-Trichlorobenzene, T
1,2,4-Trichlorobenzene, T
1,3-Dichlorobenzene, T
1,2,4-Trichlorobenzene, T
1,3-Dichlorobenzene, T
1,2,4-Trichlorobenzene, T
1,2,3-Trichlorobenzene, T
1,2-Dibromo-3-Chloropropane, T
Hexachlorobutadiene, I
1,2,4-Trichlorobenzene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T