

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052622\
 Data File : VU048676.D
 Acq On : 26 May 2022 12:57
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/27/2022
 Supervised By : Mahesh Dadoda 05/27/2022

Quant Time: May 27 05:37:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 05:29:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.375	168	236973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	395675	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	376517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	189962	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount	50.000	Range	78 - 117	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	92 - 112	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	83 - 123	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.385	85	2841	1.047	ug/l	91
3) Chloromethane	1.523	50	4444	1.273	ug/l	93
4) Vinyl Chloride	1.604	62	3936	1.217	ug/l	99
6) Chloroethane	1.935	64	2200	1.092	ug/l #	87
7) Trichlorofluoromethane	2.137	101	4986	1.079	ug/l	98
8) Diethyl Ether	2.382	74	1711	1.004	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.578	101	2738	1.083	ug/l	92
12) 1,1-Dichloroethene	2.581	96	2774	1.150	ug/l #	87
14) Allyl chloride	2.925	41	4639	0.993	ug/l	93
15) Acrylonitrile	3.317	53	10605	5.419	ug/l	98
16) Acetone	2.629	43	11277	6.218	ug/l	96
17) Carbon Disulfide	2.793	76	11223	1.594	ug/l #	94
18) Methyl Acetate	2.957	43	5152	1.131	ug/l #	89
19) Methyl tert-butyl Ether	3.362	73	8553	0.935	ug/l	91
20) Methylene Chloride	3.047	84	4436	1.438	ug/l	95
21) trans-1,2-Dichloroethene	3.353	96	3400	1.232	ug/l	98
22) Diisopropyl ether	3.996	45	8355	0.970	ug/l #	55
23) Vinyl Acetate	3.964	43	34302	4.594	ug/l	100
24) 1,1-Dichloroethane	3.870	63	5418	1.001	ug/l #	93
25) 2-Butanone	4.713	43	14775	5.671	ug/l	98
26) 2,2-Dichloropropane	4.671	77	6168	1.270	ug/l #	68
27) cis-1,2-Dichloroethene	4.674	96	3757	1.176	ug/l	90
28) Bromochloromethane	4.983	49	2470m	1.164	ug/l	
29) Tetrahydrofuran	5.060	42	9755	5.849	ug/l	90
30) Chloroform	5.092	83	5928	1.095	ug/l	96
32) 1,1,1-Trichloroethane	5.314	97	4833	0.984	ug/l #	47
36) 1,1-Dichloropropene	5.533	75	4405	1.069	ug/l	97
37) Ethyl Acetate	4.819	43	5717m	1.064	ug/l	
38) Carbon Tetrachloride	5.523	117	4692	0.993	ug/l	94
39) Methylcyclohexane	6.764	83	4171	0.966	ug/l #	83
40) Benzene	5.777	78	12698	1.044	ug/l	99
41) Methacrylonitrile	4.983	41	2714	1.031	ug/l #	82
42) 1,2-Dichloroethane	5.800	62	4809	1.010	ug/l	99
43) Isopropyl Acetate	5.915	43	7602	1.006	ug/l #	91
44) Trichloroethene	6.542	130	3389	1.082	ug/l	99
45) 1,2-Dichloropropane	6.793	63	3693	1.206	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	6.922	93	2401	1.050	ug/l	95
47) Bromodichloromethane	7.105	83	4642	1.003	ug/l #	89
48) Methyl methacrylate	6.964	41	3706	1.092	ug/l	88
49) 1,4-Dioxane	6.973	88	1718	22.647	ug/l	97
51) 4-Methyl-2-Pentanone	7.796	43	27347	5.571	ug/l	99
52) Toluene	7.970	92	7932	1.090	ug/l	97
53) t-1,3-Dichloropropene	8.211	75	5007	1.003	ug/l #	83
54) cis-1,3-Dichloropropene	7.610	75	5141	0.994	ug/l	92
55) 1,1,2-Trichloroethane	8.404	97	3211	1.000	ug/l #	93
56) Ethyl methacrylate	8.337	69	4153	0.927	ug/l	94
57) 1,3-Dichloropropane	8.578	76	5738	1.062	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.465	63	2696	3.074	ug/l	98
59) 2-Hexanone	8.687	43	23715	5.885	ug/l	90
60) Dibromochloromethane	8.809	129	3318	0.922	ug/l	98
61) 1,2-Dibromoethane	8.925	107	3707	1.048	ug/l	92
64) Tetrachloroethene	8.555	164	3357	1.160	ug/l	91
65) Chlorobenzene	9.446	112	10065	1.264	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.533	131	2987	0.988	ug/l #	66
67) Ethyl Benzene	9.571	91	14510	1.080	ug/l	99
68) m/p-Xylenes	9.697	106	11195	2.131	ug/l	92
69) o-Xylene	10.102	106	4603	0.892	ug/l	98
70) Styrene	10.115	104	8233	0.970	ug/l	98
71) Bromoform	10.291	173	2669	0.955	ug/l #	90
73) Isopropylbenzene	10.484	105	13813	1.126	ug/l	97
74) N-amyl acetate	10.320	43	6675	1.259	ug/l	93
75) 1,1,2,2-Tetrachloroethane	10.787	83	6165	1.232	ug/l	94
76) 1,2,3-Trichloropropane	10.822	75	7220m	1.380	ug/l	
77) Bromobenzene	10.783	156	4341	1.318	ug/l	97
78) n-propylbenzene	10.906	91	15128	1.035	ug/l	98
79) 2-Chlorotoluene	10.986	91	10431	1.148	ug/l	96
80) 1,3,5-Trimethylbenzene	11.089	105	10717	1.005	ug/l	97
82) 4-Chlorotoluene	11.095	91	12671	1.208	ug/l	99
83) tert-Butylbenzene	11.420	119	10834	1.058	ug/l	95
84) 1,2,4-Trimethylbenzene	11.471	105	10673	1.028	ug/l	97
85) sec-Butylbenzene	11.645	105	13480	1.053	ug/l	93
86) p-Isopropyltoluene	11.793	119	11538	1.049	ug/l	95
87) 1,3-Dichlorobenzene	11.748	146	9087	1.407	ug/l	94
88) 1,4-Dichlorobenzene	11.838	146	10047m	1.506	ug/l	
89) n-Butylbenzene	12.214	91	12094	1.251	ug/l	97
90) Hexachloroethane	12.475	117	2366	1.054	ug/l	95
91) 1,2-Dichlorobenzene	12.214	146	8519	1.306	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.996	75	1839	1.276	ug/l	94
93) 1,2,4-Trichlorobenzene	13.841	180	8527	1.992	ug/l	92
94) Hexachlorobutadiene	14.021	225	3097	1.509	ug/l	99
95) Naphthalene	14.089	128	45662	3.439	ug/l	98
96) 1,2,3-Trichlorobenzene	14.330	180	8656	2.042	ug/l	95

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

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