

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052622\
 Data File : VU048669.D
 Acq On : 26 May 2022 09:56
 Operator : SY/MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 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 05:33:14 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	197050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	278451	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	273871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	161763	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	2576	1.142	ug/l	98
3) Chloromethane	1.523	50	3619	1.246	ug/l	96
4) Vinyl Chloride	1.604	62	2817	1.047	ug/l	93
6) Chloroethane	1.935	64	2325	1.388	ug/l	98
7) Trichlorofluoromethane	2.141	101	4512	1.175	ug/l	98
8) Diethyl Ether	2.375	74	1546	1.091	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.584	101	2364	1.124	ug/l	97
12) 1,1-Dichloroethene	2.581	96	2148	1.071	ug/l #	83
14) Allyl chloride	2.925	41	4430	1.140	ug/l	98
15) Acrylonitrile	3.327	53	7552	4.641	ug/l	97
16) Acetone	2.636	43	9545	6.329	ug/l	93
17) Carbon Disulfide	2.797	76	7510	1.283	ug/l	100
18) Methyl Acetate	2.954	43	4403	1.163	ug/l #	88
19) Methyl tert-butyl Ether	3.369	73	7716	1.014	ug/l	95
20) Methylene Chloride	3.051	84	3209	1.251	ug/l	90
21) trans-1,2-Dichloroethene	3.356	96	2823	1.231	ug/l	87
22) Diisopropyl ether	3.999	45	6483	0.905	ug/l #	80
23) Vinyl Acetate	3.964	43	26271	4.232	ug/l	96
24) 1,1-Dichloroethane	3.867	63	4925	1.094	ug/l	96
25) 2-Butanone	4.723	43	10265	4.738	ug/l	97
26) 2,2-Dichloropropane	4.662	77	4807	1.191	ug/l	96
27) cis-1,2-Dichloroethene	4.674	96	3015	1.135	ug/l	92
28) Bromochloromethane	4.980	49	1660	0.940	ug/l #	99
29) Tetrahydrofuran	5.060	42	6164	4.445	ug/l #	78
30) Chloroform	5.092	83	4704	1.045	ug/l	93
32) 1,1,1-Trichloroethane	5.324	97	4460	1.092	ug/l #	49
36) 1,1-Dichloropropene	5.526	75	3358	1.158	ug/l	96
37) Ethyl Acetate	4.822	43	4178m	1.105	ug/l	
38) Carbon Tetrachloride	5.526	117	4130	1.242	ug/l	84
39) Methylcyclohexane	6.768	83	3036	0.999	ug/l	89
40) Benzene	5.774	78	10353	1.210	ug/l	99
41) Methacrylonitrile	4.986	41	1674	0.904	ug/l	92
42) 1,2-Dichloroethane	5.800	62	4046	1.208	ug/l	78
43) Isopropyl Acetate	5.915	43	5494	1.033	ug/l #	92
44) Trichloroethene	6.546	130	2534	1.149	ug/l	95
45) 1,2-Dichloropropane	6.800	63	1700	0.789	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	6.922	93	1755	1.090	ug/l #	87
47) Bromodichloromethane	7.108	83	3975	1.221	ug/l #	96
48) Methyl methacrylate	6.967	41	2232	0.935	ug/l	93
49) 1,4-Dioxane	6.986	88	987m	18.488	ug/l	
51) 4-Methyl-2-Pentanone	7.796	43	13436	3.890	ug/l	95
52) Toluene	7.970	92	5066	0.989	ug/l	98
53) t-1,3-Dichloropropene	8.214	75	3500	0.997	ug/l #	84
54) cis-1,3-Dichloropropene	7.607	75	3512	0.965	ug/l #	90
55) 1,1,2-Trichloroethane	8.404	97	2735	1.210	ug/l	92
56) Ethyl methacrylate	8.340	69	2225	0.705	ug/l #	82
57) 1,3-Dichloropropane	8.581	76	4403	1.158	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.475	63	1659	2.688	ug/l #	86
59) 2-Hexanone	8.690	43	13441	4.740	ug/l	94
60) Dibromochloromethane	8.813	129	2905	1.147	ug/l	85
61) 1,2-Dibromoethane	8.928	107	3099	1.245	ug/l	90
64) Tetrachloroethene	8.555	164	2768	1.315	ug/l #	80
65) Chlorobenzene	9.452	112	5935	1.025	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.536	131	2096	0.953	ug/l #	64
67) Ethyl Benzene	9.571	91	8843	0.905	ug/l	97
68) m/p-Xylenes	9.697	106	6259	1.638	ug/l	96
69) o-Xylene	10.102	106	3600	0.959	ug/l	89
70) Styrene	10.118	104	5067	0.821	ug/l	90
71) Bromoform	10.298	173	1804	0.887	ug/l #	95
73) Isopropylbenzene	10.488	105	8452	0.809	ug/l	98
74) N-amyl acetate	10.327	43	2692	0.596	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.787	83	4108	0.964	ug/l	97
76) 1,2,3-Trichloropropane	10.825	75	4976	1.117	ug/l	93
77) Bromobenzene	10.790	156	2622	0.935	ug/l	90
78) n-propylbenzene	10.909	91	9642	0.775	ug/l	98
79) 2-Chlorotoluene	10.986	91	7031	0.909	ug/l	94
80) 1,3,5-Trimethylbenzene	11.092	105	7163	0.789	ug/l	97
82) 4-Chlorotoluene	11.099	91	7511	0.841	ug/l	93
83) tert-Butylbenzene	11.420	119	6876	0.789	ug/l	94
84) 1,2,4-Trimethylbenzene	11.472	105	5892	0.667	ug/l	91
85) sec-Butylbenzene	11.645	105	8497	0.779	ug/l	98
86) p-Isopropyltoluene	11.796	119	7480	0.799	ug/l	91
87) 1,3-Dichlorobenzene	11.748	146	5462	0.993	ug/l	93
88) 1,4-Dichlorobenzene	11.838	146	6546m	1.152	ug/l	
89) n-Butylbenzene	12.211	91	6169	0.750	ug/l	96
90) Hexachloroethane	12.475	117	2164	1.132	ug/l	98
91) 1,2-Dichlorobenzene	12.214	146	6295	1.133	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.999	75	1248	1.017	ug/l	89
93) 1,2,4-Trichlorobenzene	13.844	180	3153	0.865	ug/l	95
94) Hexachlorobutadiene	14.021	225	1965	1.125	ug/l	94
95) Naphthalene	14.092	128	9125	0.807	ug/l	97
96) 1,2,3-Trichlorobenzene	14.333	180	3244	0.898	ug/l	98

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

