

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051921\
 Data File : VX022083.D
 Acq On : 19 May 2021 12:40
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:50:44 PM

Quant Time: May 19 13:00:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 12:45:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	95404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	186271	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	72892	50.00	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	142421	92.81	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 185.62%#			
35) Dibromofluoromethane	5.397	113	112914	90.24	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 180.48%#			
50) Toluene-d8	8.653	98	445432	93.40	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 186.80%#			
62) 4-Bromofluorobenzene	11.085	95	166443	89.39	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 178.78%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	121164	97.14	ug/l	98
3) Chloromethane	1.288	50	126961	85.92	ug/l	98
4) Vinyl Chloride	1.374	62	138904	82.22	ug/l	99
5) Bromomethane	1.612	94	72563	109.09	ug/l	99
6) Chloroethane	1.685	64	71719	80.74	ug/l	100
7) Trichlorofluoromethane	1.886	101	200466	85.84	ug/l	97
8) Diethyl Ether	2.136	74	83671	84.92	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.331	101	115848	95.04	ug/l	93
10) Methyl Iodide	2.453	142	135702	96.81	ug/l	95
11) Tert butyl alcohol	3.020	59	171335m	422.42	ug/l	
12) 1,1-Dichloroethene	2.319	96	115317	90.35	ug/l	98
13) Acrolein	2.239	56	107751	493.53	ug/l	98
14) Allyl chloride	2.666	41	210733	90.34	ug/l	97
15) Acrylonitrile	3.075	53	350532	453.78	ug/l	99
16) Acetone	2.392	43	307570	442.16	ug/l	97
17) Carbon Disulfide	2.514	76	289549	83.20	ug/l	99
18) Methyl Acetate	2.709	43	170673	88.89	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	392512	95.48	ug/l	99
20) Methylene Chloride	2.794	84	136045	82.06	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	127482	93.64	ug/l	99
22) Diisopropyl ether	3.770	45	418308	96.16	ug/l	96
23) Vinyl Acetate	3.733	43	2030769	476.89	ug/l	97
24) 1,1-Dichloroethane	3.617	63	239959	95.49	ug/l	98
25) 2-Butanone	4.568	43	542490	456.45	ug/l	96
26) 2,2-Dichloropropane	4.483	77	207316	92.24	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	152468	94.25	ug/l	100
28) Bromochloromethane	4.910	49	112609	98.17	ug/l	85
29) Tetrahydrofuran	5.019	42	322973	458.97	ug/l	92
30) Chloroform	5.105	83	246727	96.09	ug/l	98
31) Cyclohexane	5.483	56	186032	91.13	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	211649	94.07	ug/l	99
36) 1,1-Dichloropropene	5.702	75	180980	92.46	ug/l	99
37) Ethyl Acetate	4.721	43	216117	92.26	ug/l	95
38) Carbon Tetrachloride	5.684	117	179637	92.03	ug/l	99
39) Methylcyclohexane	7.385	83	199952	91.57	ug/l	100
40) Benzene	6.050	78	550155	93.67	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	117238	92.27	ug/l	94
42) 1,2-Dichloroethane	6.099	62	192769	95.54	ug/l	98
43) Isopropyl Acetate	6.348	43	364312	91.97	ug/l	94
44) Trichloroethene	7.135	130	136929	95.66	ug/l	97
45) 1,2-Dichloropropane	7.440	63	144366	93.53	ug/l	96
46) Dibromomethane	7.586	93	95670	91.34	ug/l	89
47) Bromodichloromethane	7.830	83	199571	94.93	ug/l	100
48) Methyl methacrylate	7.696	41	168684	92.47	ug/l	93
49) 1,4-Dioxane	7.690	88	65068	1705.50	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	1093381	444.92	ug/l	93
52) Toluene	8.726	92	350838	93.67	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	232038	95.15	ug/l	100
54) cis-1,3-Dichloropropene	8.373	75	243494	95.19	ug/l	96
55) 1,1,2-Trichloroethane	9.159	97	144958	96.45	ug/l	98
56) Ethyl methacrylate	9.122	69	237594	90.34	ug/l #	89
57) 1,3-Dichloropropane	9.311	76	244926	95.58	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.251	63	605688	471.05	ug/l	98
59) 2-Hexanone	9.439	43	807858	428.80	ug/l	91
60) Dibromochloromethane	9.525	129	149702	93.12	ug/l	99
61) 1,2-Dibromoethane	9.616	107	147975	94.76	ug/l	99
64) Tetrachloroethene	9.281	164	112989	102.27	ug/l	92
65) Chlorobenzene	10.086	112	370228	95.51	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	132250	92.77	ug/l	97
67) Ethyl Benzene	10.195	91	677838	94.96	ug/l	99
68) m/p-Xylenes	10.305	106	513531	189.23	ug/l	100
69) o-Xylene	10.646	106	248535	91.36	ug/l	99
70) Styrene	10.659	104	428935	95.64	ug/l	98
71) Bromoform	10.805	173	96177	89.96	ug/l #	100
73) Isopropylbenzene	10.970	105	664912	101.69	ug/l	100
74) N-amyl acetate	10.848	43	323604	93.69	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.220	83	218584	91.10	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	190505m	93.45	ug/l	
77) Bromobenzene	11.201	156	139137	98.83	ug/l	88
78) n-propylbenzene	11.311	91	795471	102.84	ug/l	98
79) 2-Chlorotoluene	11.366	91	464551	99.21	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	554746	99.23	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.024	75	85029	97.41	ug/l	95
82) 4-Chlorotoluene	11.457	91	538425	99.98	ug/l	97
83) tert-Butylbenzene	11.719	119	521525	96.27	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	561288	100.02	ug/l	99
85) sec-Butylbenzene	11.896	105	683349	102.30	ug/l	98
86) p-Isopropyltoluene	12.012	119	578559	102.05	ug/l	98
87) 1,3-Dichlorobenzene	11.976	146	268633	100.84	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	268950	98.04	ug/l	97
89) n-Butylbenzene	12.335	91	552357	105.80	ug/l	98
90) Hexachloroethane	12.542	117	98944	96.66	ug/l	76
91) 1,2-Dichlorobenzene	12.341	146	254439	97.26	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	49805	86.56	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	162868	103.13	ug/l	96
94) Hexachlorobutadiene	13.731	225	59708	97.08	ug/l	99
95) Naphthalene	13.780	128	641371	100.06	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	162202	101.56	ug/l	97

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

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