

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051921\
 Data File : VX022080.D
 Acq On : 19 May 2021 11:30
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 1:49:58 PM

Quant Time: May 19 12:47:32 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	5.556	168	94130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	174765	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68551	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	8040	5.31	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.62%#		
35) Dibromofluoromethane	5.391	113	6337	5.40	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.80%#		
50) Toluene-d8	8.653	98	24165	5.40	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.80%#		
62) 4-Bromofluorobenzene	11.085	95	8835	5.06	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	10.12%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	6368	5.17	ug/l	94
3) Chloromethane	1.295	50	7462	5.12	ug/l	94
4) Vinyl Chloride	1.374	62	7849	4.71	ug/l	98
5) Bromomethane	1.612	94	4852	7.39	ug/l	93
6) Chloroethane	1.685	64	4725	5.39	ug/l #	88
7) Trichlorofluoromethane	1.886	101	11024	4.78	ug/l	94
8) Diethyl Ether	2.136	74	4333	4.46	ug/l	71
9) 1,1,2-Trichlorotrifluo...	2.331	101	7021	5.84	ug/l	92
10) Methyl Iodide	2.453	142	5157	3.73	ug/l	93
11) Tert butyl alcohol	2.989	59	10415	26.03	ug/l #	81
12) 1,1-Dichloroethene	2.319	96	6338	5.03	ug/l	90
13) Acrolein	2.240	56	7473	34.69	ug/l	89
14) Allyl chloride	2.666	41	11130	4.84	ug/l	96
15) Acrylonitrile	3.075	53	17778	23.33	ug/l	99
16) Acetone	2.392	43	18007	26.24	ug/l	99
17) Carbon Disulfide	2.514	76	16326	4.75	ug/l	99
18) Methyl Acetate	2.709	43	9175	4.84	ug/l #	88
19) Methyl tert-butyl Ether	3.117	73	21134	5.21	ug/l	94
20) Methylene Chloride	2.794	84	7940	4.85	ug/l	87
21) trans-1,2-Dichloroethene	3.093	96	6974	5.19	ug/l	97
22) Diisopropyl ether	3.764	45	21335	4.97	ug/l #	87
23) Vinyl Acetate	3.727	43	102143	24.31	ug/l	100
24) 1,1-Dichloroethane	3.617	63	12344	4.98	ug/l	98
25) 2-Butanone	4.568	43	29343	25.02	ug/l	91
26) 2,2-Dichloropropane	4.477	77	11707	5.28	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	8265	5.18	ug/l	96
28) Bromochloromethane	4.904	49	6026	5.32	ug/l #	85
29) Tetrahydrofuran	5.013	42	16648	23.98	ug/l	96
30) Chloroform	5.099	83	13306	5.25	ug/l	95
31) Cyclohexane	5.477	56	10986	5.45	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	11130	5.01	ug/l	93
36) 1,1-Dichloropropene	5.696	75	10180	5.54	ug/l	99
37) Ethyl Acetate	4.721	43	10850	4.94	ug/l	98
38) Carbon Tetrachloride	5.684	117	9398	5.13	ug/l	90
39) Methylcyclohexane	7.385	83	10997	5.37	ug/l	93
40) Benzene	6.050	78	30232	5.49	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	5937	4.98	ug/l	95
42) 1,2-Dichloroethane	6.092	62	10604	5.60	ug/l	100
43) Isopropyl Acetate	6.342	43	19374	5.21	ug/l #	92
44) Trichloroethene	7.123	130	7120	5.30	ug/l	86
45) 1,2-Dichloropropane	7.434	63	7898	5.45	ug/l	94
46) Dibromomethane	7.586	93	5138	5.23	ug/l	87
47) Bromodichloromethane	7.824	83	10207	5.17	ug/l	91
48) Methyl methacrylate	7.696	41	8505	4.97	ug/l	90
49) 1,4-Dioxane	7.690	88	3529	98.59	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	56196	24.37	ug/l	94
52) Toluene	8.720	92	18499	5.26	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	10963	4.79	ug/l	98
54) cis-1,3-Dichloropropene	8.373	75	12032	5.01	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	7804	5.53	ug/l	92
56) Ethyl methacrylate	9.116	69	11916	4.83	ug/l #	88
57) 1,3-Dichloropropane	9.311	76	13582	5.65	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.245	63	35705	29.60	ug/l	98
59) 2-Hexanone	9.433	43	41464	23.46	ug/l	90
60) Dibromochloromethane	9.525	129	7004	4.64	ug/l	100
61) 1,2-Dibromoethane	9.610	107	7779	5.31	ug/l	99
64) Tetrachloroethene	9.275	164	6680	6.54	ug/l	92
65) Chlorobenzene	10.080	112	19650	5.48	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	6900	5.23	ug/l	92
67) Ethyl Benzene	10.195	91	36749	5.57	ug/l	95
68) m/p-Xylenes	10.305	106	26950	10.74	ug/l	98
69) o-Xylene	10.647	106	13328	5.30	ug/l	100
70) Styrene	10.659	104	21010	5.06	ug/l	96
71) Bromoform	10.805	173	4284	4.33	ug/l #	96
73) Isopropylbenzene	10.964	105	34399	5.59	ug/l	99
74) N-amyl acetate	10.848	43	15187	4.68	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.214	83	11523	5.11	ug/l	99
76) 1,2,3-Trichloropropane	11.244	75	9991m	5.21	ug/l	
77) Bromobenzene	11.201	156	7287	5.50	ug/l	86
78) n-propylbenzene	11.305	91	40296	5.54	ug/l	98
79) 2-Chlorotoluene	11.366	91	24159	5.49	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	29165	5.55	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	3666	4.47	ug/l	95
82) 4-Chlorotoluene	11.457	91	28097	5.55	ug/l	97
83) tert-Butylbenzene	11.720	119	27419	5.38	ug/l	92
84) 1,2,4-Trimethylbenzene	11.756	105	28757	5.45	ug/l	99
85) sec-Butylbenzene	11.896	105	34547	5.50	ug/l	98
86) p-Isopropyltoluene	12.012	119	28805	5.40	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	14277	5.70	ug/l	96
88) 1,4-Dichlorobenzene	12.043	146	13384	5.19	ug/l	85
89) n-Butylbenzene	12.335	91	25852	5.27	ug/l	98
90) Hexachloroethane	12.536	117	4665	4.85	ug/l	70
91) 1,2-Dichlorobenzene	12.335	146	13743	5.59	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2457	4.54	ug/l	75
93) 1,2,4-Trichlorobenzene	13.591	180	7339	4.94	ug/l	95
94) Hexachlorobutadiene	13.725	225	3202	5.54	ug/l	98
95) Naphthalene	13.780	128	29431	4.88	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	7258	4.83	ug/l	90

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

