

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042221\
 Data File : VX021809.D
 Acq On : 22 Apr 2021 10:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/26/2021 4:52:08 PM

Quant Time: Apr 23 07:40:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.623	168	187201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.824	114	299538	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.091	117	281153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.060	152	142169	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	103003	48.50	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.00%		
35) Dibromofluoromethane	5.458	113	95435	49.82	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.64%		
50) Toluene-d8	8.689	98	362835	49.26	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.52%		
62) 4-Bromofluorobenzene	11.116	95	138633	50.40	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.80%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	100453	55.76	ug/l	100
3) Chloromethane	1.312	50	126933	53.58	ug/l	100
4) Vinyl Chloride	1.392	62	115438	53.66	ug/l	99
5) Bromomethane	1.623	94	51575	54.84	ug/l	97
6) Chloroethane	1.709	64	71058	52.39	ug/l	99
7) Trichlorofluoromethane	1.916	101	165729	57.51	ug/l	99
8) Diethyl Ether	2.166	74	64827	54.58	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.361	101	98626	57.08	ug/l	96
10) Methyl Iodide	2.489	142	72086	53.06	ug/l	99
11) Tert butyl alcohol	3.007	59	99112	213.12	ug/l	98
12) 1,1-Dichloroethene	2.355	96	98824	57.18	ug/l	92
13) Acrolein	2.270	56	79832	212.22	ug/l	100
14) Allyl chloride	2.702	41	151551	54.55	ug/l	97
15) Acrylonitrile	3.111	53	237893	252.77	ug/l	99
16) Acetone	2.416	43	178649	244.69	ug/l	99
17) Carbon Disulfide	2.550	76	267306	54.25	ug/l	98
18) Methyl Acetate	2.745	43	101762	51.37	ug/l	100
19) Methyl tert-butyl Ether	3.166	73	325435	54.62	ug/l	97
20) Methylene Chloride	2.830	84	110594	50.53	ug/l	97
21) trans-1,2-Dichloroethene	3.141	96	109153	55.00	ug/l	93
22) Diisopropyl ether	3.818	45	302527	54.29	ug/l	98
23) Vinyl Acetate	3.781	43	1295757	268.62	ug/l	99
24) 1,1-Dichloroethane	3.666	63	181974	55.02	ug/l	99
25) 2-Butanone	4.623	43	306875	248.22	ug/l	98
26) 2,2-Dichloropropane	4.544	77	170743	53.38	ug/l	98
27) cis-1,2-Dichloroethene	4.556	96	124770	55.33	ug/l	94
28) Bromochloromethane	4.970	49	70506	51.37	ug/l	88
29) Tetrahydrofuran	5.080	42	198117	246.29	ug/l	99
30) Chloroform	5.171	83	194871	54.41	ug/l	99
31) Cyclohexane	5.543	56	162179	54.30	ug/l	97
32) 1,1,1-Trichloroethane	5.458	97	174074	54.69	ug/l	97
36) 1,1-Dichloropropene	5.763	75	148433	56.14	ug/l	98
37) Ethyl Acetate	4.787	43	123722	49.78	ug/l	99
38) Carbon Tetrachloride	5.751	117	159921	55.24	ug/l	100
39) Methylcyclohexane	7.433	83	190273	55.55	ug/l	97
40) Benzene	6.104	78	438932	55.65	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.995	41	70853	50.66	ug/l	99
42) 1,2-Dichloroethane	6.153	62	141106	55.12	ug/l	98
43) Isopropyl Acetate	6.403	43	221337	50.85	ug/l	99
44) Trichloroethene	7.183	130	128464	55.82	ug/l	96
45) 1,2-Dichloropropane	7.482	63	110760	53.51	ug/l	98
46) Dibromomethane	7.628	93	79206	54.58	ug/l	98
47) Bromodichloromethane	7.872	83	162964	55.08	ug/l	99
48) Methyl methacrylate	7.738	41	109343	51.60	ug/l	98
49) 1,4-Dioxane	7.708	88	47586	954.97	ug/l	97
51) 4-Methyl-2-Pentanone	8.616	43	633157	254.06	ug/l	99
52) Toluene	8.762	92	293486	57.36	ug/l	99
53) t-1,3-Dichloropropene	9.018	75	180442	54.28	ug/l	98
54) cis-1,3-Dichloropropene	8.409	75	194227	55.31	ug/l	97
55) 1,1,2-Trichloroethane	9.189	97	116270	55.33	ug/l	99
56) Ethyl methacrylate	9.152	69	171996	54.07	ug/l	99
57) 1,3-Dichloropropane	9.348	76	186500	55.29	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.287	63	383457	246.63	ug/l	97
59) 2-Hexanone	9.469	43	476785	255.23	ug/l	98
60) Dibromochloromethane	9.561	129	140979	55.27	ug/l	100
61) 1,2-Dibromoethane	9.652	107	126360	55.33	ug/l	99
64) Tetrachloroethene	9.317	164	115558	52.57	ug/l	97
65) Chlorobenzene	10.116	112	324685	55.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.201	131	123567	55.03	ug/l	99
67) Ethyl Benzene	10.232	91	573302	57.06	ug/l	100
68) m/p-Xylenes	10.341	106	434414	111.74	ug/l	98
69) o-Xylene	10.677	106	207284	55.30	ug/l	98
70) Styrene	10.695	104	362480	57.02	ug/l	98
71) Bromoform	10.835	173	104016	51.15	ug/l #	99
73) Isopropylbenzene	11.000	105	560957	56.23	ug/l	99
74) N-amyl acetate	10.878	43	201577	52.58	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.250	83	168214	55.46	ug/l	99
76) 1,2,3-Trichloropropane	11.280	75	133562m	47.37	ug/l	
77) Bromobenzene	11.237	156	142969	54.32	ug/l	93
78) n-propylbenzene	11.341	91	647419	58.68	ug/l	98
79) 2-Chlorotoluene	11.402	91	378291	58.27	ug/l	97
80) 1,3,5-Trimethylbenzene	11.487	105	482963	57.17	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.055	75	62034	50.60	ug/l #	81
82) 4-Chlorotoluene	11.493	91	442841	58.84	ug/l	98
83) tert-Butylbenzene	11.750	119	476075	56.44	ug/l	99
84) 1,2,4-Trimethylbenzene	11.786	105	486160	56.98	ug/l	99
85) sec-Butylbenzene	11.926	105	556346	57.54	ug/l	99
86) p-Isopropyltoluene	12.048	119	527172	57.41	ug/l	99
87) 1,3-Dichlorobenzene	12.006	146	261085	57.43	ug/l	100
88) 1,4-Dichlorobenzene	12.079	146	260716	56.70	ug/l	100
89) n-Butylbenzene	12.371	91	462160	59.64	ug/l	98
90) Hexachloroethane	12.579	117	96248	57.47	ug/l	99
91) 1,2-Dichlorobenzene	12.371	146	244971	55.79	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.981	75	34523	50.87	ug/l	94
93) 1,2,4-Trichlorobenzene	13.627	180	170617	53.89	ug/l	99
94) Hexachlorobutadiene	13.761	225	74331	47.73	ug/l	99
95) Naphthalene	13.816	128	520080	54.27	ug/l	99
96) 1,2,3-Trichlorobenzene	13.999	180	164334	54.07	ug/l	99

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

