

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122721\
 Data File : VN070307.D
 Acq On : 27 Dec 2021 11:47
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2021
 Supervised By : Semsettin Yesilyurt 12/30/2021

Quant Time: Dec 27 12:41:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 12:37:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1116089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1844699	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1681425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	670984	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	319072	19.01	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	38.02%#		
35) Dibromofluoromethane	8.021	113	224688	19.83	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	39.66%#		
50) Toluene-d8	10.440	98	902478	19.84	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	39.68%#		
62) 4-Bromofluorobenzene	12.728	95	308291	18.60	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	37.20%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	257341	20.15	ug/l	100
3) Chloromethane	2.303	50	330977	20.38	ug/l	100
4) Vinyl Chloride	2.448	62	305598	20.53	ug/l	99
5) Bromomethane	2.864	94	171791	21.14	ug/l	98
6) Chloroethane	3.025	64	182220	19.99	ug/l	99
7) Trichlorofluoromethane	3.379	101	368693	19.08	ug/l	96
8) Diethyl Ether	3.827	74	160360	21.10	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.207	101	228899	20.76	ug/l	94
10) Methyl Iodide	4.419	142	308021	20.56	ug/l	99
11) Tert butyl alcohol	5.374	59	251991	81.77	ug/l	99
12) 1,1-Dichloroethene	4.183	96	218143	20.48	ug/l	91
13) Acrolein	4.041	56	201326	76.36	ug/l	99
14) Allyl chloride	4.840	41	486435	20.26	ug/l	90
15) Acrylonitrile	5.554	53	810465	94.28	ug/l	98
16) Acetone	4.288	43	1129134	109.57	ug/l	98
17) Carbon Disulfide	4.529	76	583940	21.08	ug/l	99
18) Methyl Acetate	4.857	43	573212	18.62	ug/l	92
19) Methyl tert-butyl Ether	5.618	73	832917	20.24	ug/l	96
20) Methylene Chloride	5.095	84	272194	19.76	ug/l	89
21) trans-1,2-Dichloroethene	5.597	96	237791	20.63	ug/l	87
22) Diisopropyl ether	6.498	45	986352	21.11	ug/l	93
23) Vinyl Acetate	6.434	43	3832757	101.71	ug/l	95
24) 1,1-Dichloroethane	6.388	63	500954	20.67	ug/l	98
25) 2-Butanone	7.337	43	1333699	96.87	ug/l	92
26) 2,2-Dichloropropane	7.324	77	389884	20.56	ug/l	96
27) cis-1,2-Dichloroethene	7.324	96	280235	20.19	ug/l	87
28) Bromochloromethane	7.659	49	256757	20.54	ug/l #	79
29) Tetrahydrofuran	7.686	42	776342	93.40	ug/l	88
30) Chloroform	7.817	83	491088	20.20	ug/l	99
31) Cyclohexane	8.094	56	501237	20.89	ug/l	90
32) 1,1,1-Trichloroethane	8.013	97	413695	20.04	ug/l	97
36) 1,1-Dichloropropene	8.222	75	360613	20.64	ug/l	96
37) Ethyl Acetate	7.412	43	477092	18.77	ug/l	95
38) Carbon Tetrachloride	8.204	117	339307	19.90	ug/l	99
39) Methylcyclohexane	9.459	83	431318	20.69	ug/l	89
40) Benzene	8.458	78	1114398	20.84	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	231885	19.23	ug/l	91
42) 1,2-Dichloroethane	8.528	62	416045	19.53	ug/l	98
43) Isopropyl Acetate	8.560	43	732954	19.32	ug/l #	94
44) Trichloroethene	9.215	130	260047	20.46	ug/l	94
45) 1,2-Dichloropropane	9.488	63	297561	20.66	ug/l	100
46) Dibromomethane	9.577	93	185722	19.90	ug/l	94
47) Bromodichloromethane	9.762	83	362487	20.36	ug/l	98
48) Methyl methacrylate	9.558	41	333729	18.58	ug/l #	84
49) 1,4-Dioxane	9.566	88	103348	335.86	ug/l #	86
51) 4-Methyl-2-Pentanone	10.330	43	2348562	96.24	ug/l	96
52) Toluene	10.505	92	675833	20.74	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	388240	20.67	ug/l	97
54) cis-1,3-Dichloropropene	10.188	75	431278	21.35	ug/l	95
55) 1,1,2-Trichloroethane	10.896	97	265064	20.25	ug/l	99
56) Ethyl methacrylate	10.760	69	427128	19.33	ug/l	90
57) 1,3-Dichloropropane	11.044	76	466208	20.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.041	63	429839	79.04	ug/l	90
59) 2-Hexanone	11.084	43	1728207	93.66	ug/l	94
60) Dibromochloromethane	11.237	129	252874	20.31	ug/l	100
61) 1,2-Dibromoethane	11.344	107	266499	19.75	ug/l	99
64) Tetrachloroethene	10.977	164	239989	21.19	ug/l	95
65) Chlorobenzene	11.768	112	687839	20.27	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	248675	20.89	ug/l	99
67) Ethyl Benzene	11.843	91	1280270	20.78	ug/l	96
68) m/p-Xylenes	11.953	106	943926	42.04	ug/l	92
69) o-Xylene	12.278	106	466742	20.64	ug/l	92
70) Styrene	12.294	104	734815	20.51	ug/l	96
71) Bromoform	12.457	173	178199	20.16	ug/l #	100
73) Isopropylbenzene	12.578	105	1212902	20.37	ug/l	98
74) N-amyl acetate	12.387	43	468300	18.04	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.825	83	404003	19.77	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	353220m	18.72	ug/l	
77) Bromobenzene	12.860	156	275035	19.69	ug/l	79
78) n-propylbenzene	12.919	91	1347064	20.37	ug/l	95
79) 2-Chlorotoluene	13.007	91	841139	20.08	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	984457	20.55	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.624	75	101240	19.22	ug/l	95
82) 4-Chlorotoluene	13.104	91	794494	20.18	ug/l	93
83) tert-Butylbenzene	13.323	119	852014	20.13	ug/l	94
84) 1,2,4-Trimethylbenzene	13.366	105	961597	21.07	ug/l	97
85) sec-Butylbenzene	13.501	105	1158963	20.19	ug/l	98
86) p-Isopropyltoluene	13.613	119	910024	20.25	ug/l	96
87) 1,3-Dichlorobenzene	13.613	146	457167	19.97	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	434597	19.30	ug/l	96
89) n-Butylbenzene	13.940	91	699698	19.19	ug/l	97
90) Hexachloroethane	14.209	117	155763	19.81	ug/l	87
91) 1,2-Dichlorobenzene	13.989	146	446429	20.03	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	66634	18.24	ug/l	78
93) 1,2,4-Trichlorobenzene	15.263	180	189541	18.64	ug/l	97
94) Hexachlorobutadiene	15.367	225	124827	21.07	ug/l	99
95) Naphthalene	15.504	128	468545	16.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	183638	18.38	ug/l	98

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

