

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042423\
 Data File : VN077435.D
 Acq On : 24 Apr 2023 12:51
 Operator : JC\MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 25 02:03:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 01:54:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/25/2023
 Supervised By : Mahesh Dadoda 04/25/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	649119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1222453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	1083716	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	439532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	168615	19.918	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.840%#		
35) Dibromofluoromethane	8.172	113	145368	19.840	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	39.680%#		
50) Toluene-d8	10.572	98	568011	20.272	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	40.540%#		
62) 4-Bromofluorobenzene	12.854	95	185332	20.179	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	40.360%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	162032	19.743	ug/l	100
3) Chloromethane	2.372	50	126006	19.365	ug/l	98
4) Vinyl Chloride	2.525	62	171317	19.764	ug/l	98
5) Bromomethane	2.960	94	140611	17.135	ug/l	92
6) Chloroethane	3.131	64	123106	18.694	ug/l	95
7) Trichlorofluoromethane	3.507	101	253943	19.932	ug/l	95
8) Diethyl Ether	3.978	74	91582	19.782	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.390	101	141185	19.055	ug/l	98
10) Methyl Iodide	4.602	142	177374	19.641	ug/l	97
11) Tert butyl alcohol	5.525	59	131448	105.131	ug/l #	88
12) 1,1-Dichloroethene	4.349	96	138583	19.029	ug/l	94
13) Acrolein	4.190	56	130292	97.229	ug/l	94
14) Allyl chloride	5.037	41	163405	20.289	ug/l	99
15) Acrylonitrile	5.731	53	301557	97.758	ug/l	99
16) Acetone	4.437	43	242025	89.814	ug/l	97
17) Carbon Disulfide	4.725	76	349861	19.007	ug/l	98
18) Methyl Acetate	5.037	43	200386	19.256	ug/l	98
19) Methyl tert-butyl Ether	5.807	73	472475	19.612	ug/l	99
20) Methylene Chloride	5.284	84	155225	18.164	ug/l	97
21) trans-1,2-Dichloroethene	5.790	96	146694	18.727	ug/l	92
22) Diisopropyl ether	6.684	45	361509	19.558	ug/l	97
23) Vinyl Acetate	6.613	43	1115745	96.655	ug/l	96
24) 1,1-Dichloroethane	6.578	63	249684	19.083	ug/l	98
25) 2-Butanone	7.490	43	367607	96.181	ug/l	98
26) 2,2-Dichloropropane	7.495	77	242113	19.084	ug/l	99
27) cis-1,2-Dichloroethene	7.490	96	178574	19.249	ug/l	98
28) Bromochloromethane	7.813	49	103454	20.705	ug/l #	5
29) Tetrahydrofuran	7.842	42	237397	99.134	ug/l	97
30) Chloroform	7.972	83	288295	19.551	ug/l	92
31) Cyclohexane	8.260	56	225319	15.938	ug/l	96
32) 1,1,1-Trichloroethane	8.172	97	269352	19.869	ug/l	98
36) 1,1-Dichloropropene	8.378	75	210637	19.843	ug/l	97
37) Ethyl Acetate	7.566	43	146798	18.199	ug/l	98
38) Carbon Tetrachloride	8.372	117	228356	19.498	ug/l	98
39) Methylcyclohexane	9.601	83	270722	19.357	ug/l	96
40) Benzene	8.613	78	620943	19.202	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	81668	19.439	ug/l	96
42) 1,2-Dichloroethane	8.672	62	210437	18.947	ug/l	99
43) Isopropyl Acetate	8.695	43	267721	19.185	ug/l	98
44) Trichloroethene	9.354	130	159770	19.297	ug/l	100
45) 1,2-Dichloropropane	9.625	63	143975	19.007	ug/l	97
46) Dibromomethane	9.707	93	114798	18.677	ug/l	97
47) Bromodichloromethane	9.889	83	228546	19.223	ug/l	98
48) Methyl methacrylate	9.684	41	121718	19.162	ug/l	99
49) 1,4-Dioxane	9.695	88	59707	374.742	ug/l	96
51) 4-Methyl-2-Pentanone	10.448	43	791194	96.665	ug/l	99
52) Toluene	10.631	92	424866	20.056	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	233562	19.401	ug/l	98
54) cis-1,3-Dichloropropene	10.313	75	254893	19.452	ug/l	100
55) 1,1,2-Trichloroethane	11.019	97	161916	19.007	ug/l	97
56) Ethyl methacrylate	10.878	69	233677	19.576	ug/l	97
57) 1,3-Dichloropropane	11.166	76	265343	19.555	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	364187	90.203	ug/l	99
59) 2-Hexanone	11.195	43	569753	95.764	ug/l	100
60) Dibromochloromethane	11.360	129	169483	19.170	ug/l	99
61) 1,2-Dibromoethane	11.472	107	161794	18.603	ug/l	100
64) Tetrachloroethene	11.107	164	123142	18.982	ug/l	97
65) Chlorobenzene	11.895	112	439622	19.170	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.966	131	162543	19.482	ug/l	99
67) Ethyl Benzene	11.966	91	796867	19.739	ug/l	99
68) m/p-Xylenes	12.072	106	613100	39.076	ug/l	99
69) o-Xylene	12.401	106	311925	20.212	ug/l	97
70) Styrene	12.413	104	482026	19.972	ug/l	99
71) Bromoform	12.583	173	104088	19.069	ug/l #	99
73) Isopropylbenzene	12.695	105	777195	19.055	ug/l	99
74) N-amyl acetate	12.495	43	225150	18.646	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	236838	18.481	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	195688m	18.737	ug/l	
77) Bromobenzene	12.983	156	166781	18.762	ug/l	99
78) n-propylbenzene	13.036	91	870923	19.312	ug/l	100
79) 2-Chlorotoluene	13.130	91	536570	19.298	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	608862	20.101	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.736	75	68409	19.443	ug/l	96
82) 4-Chlorotoluene	13.224	91	492479	18.955	ug/l	99
83) tert-Butylbenzene	13.442	119	560874	19.068	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	568313	20.090	ug/l	99
85) sec-Butylbenzene	13.619	105	775621	19.211	ug/l	99
86) p-Isopropyltoluene	13.730	119	604020	19.444	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	302197	19.116	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	289207	18.543	ug/l	98
89) n-Butylbenzene	14.060	91	466967	19.424	ug/l	100
90) Hexachloroethane	14.336	117	126046	18.366	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	298295	19.025	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	43763	18.467	ug/l	99
93) 1,2,4-Trichlorobenzene	15.366	180	68938	18.569	ug/l	97
94) Hexachlorobutadiene	15.466	225	59281	18.710	ug/l	98
95) Naphthalene	15.589	128	255230	18.670	ug/l	99
96) 1,2,3-Trichlorobenzene	15.754	180	64782	18.581	ug/l	97

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

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