

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030422\
 Data File : VN071160.D
 Acq On : 04 Mar 2022 10:21
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 04 22:14:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/07/2022
 Supervised By : Mahesh Dadoda 03/07/2022

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	582967	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	921848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	837257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	350004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.427	65	378537	56.843	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.680%			
35) Dibromofluoromethane	8.016	113	301610	55.007	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 110.020%			
50) Toluene-d8	10.433	98	1183414	53.743	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.480%			
62) 4-Bromofluorobenzene	12.727	95	407958	51.831	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.660%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	277199	45.781	ug/l	99
3) Chloromethane	2.298	50	368095	48.366	ug/l	99
4) Vinyl Chloride	2.446	62	356165	46.749	ug/l	99
5) Bromomethane	2.851	94	200350	46.293	ug/l	94
6) Chloroethane	3.016	64	238197	47.657	ug/l	97
7) Trichlorofluoromethane	3.381	101	492563	51.590	ug/l	97
8) Diethyl Ether	3.822	74	210003	50.597	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.210	101	292776	49.980	ug/l	96
10) Methyl Iodide	4.422	142	388946	47.942	ug/l	99
11) Tert butyl alcohol	5.351	59	264706	218.112	ug/l	98
12) 1,1-Dichloroethene	4.192	96	276202	48.395	ug/l	97
13) Acrolein	4.034	56	253637	233.882	ug/l	99
14) Allyl chloride	4.839	41	586355	53.870	ug/l	87
15) Acrylonitrile	5.545	53	984637	275.440	ug/l	98
16) Acetone	4.275	43	945518	257.814	ug/l	96
17) Carbon Disulfide	4.534	76	648715	39.636	ug/l	100
18) Methyl Acetate	4.845	43	457857	57.102	ug/l	96
19) Methyl tert-butyl Ether	5.604	73	1117953	55.841	ug/l	97
20) Methylene Chloride	5.092	84	347095	52.076	ug/l	90
21) trans-1,2-Dichloroethene	5.598	96	297942	48.638	ug/l	93
22) Diisopropyl ether	6.486	45	1282115	61.415	ug/l	93
23) Vinyl Acetate	6.428	43	5252403	297.219	ug/l	99
24) 1,1-Dichloroethane	6.386	63	648686	55.431	ug/l	99
25) 2-Butanone	7.328	43	1330130	272.637	ug/l	98
26) 2,2-Dichloropropane	7.322	77	524478	53.925	ug/l	98
27) cis-1,2-Dichloroethene	7.316	96	373485	53.048	ug/l	90
28) Bromochloromethane	7.657	49	296472	62.592	ug/l	84
29) Tetrahydrofuran	7.675	42	868699	274.857	ug/l	91
30) Chloroform	7.810	83	627131	54.486	ug/l	99
31) Cyclohexane	8.092	56	591273	51.339	ug/l	91
32) 1,1,1-Trichloroethane	8.010	97	538646	54.191	ug/l	99
36) 1,1-Dichloropropene	8.216	75	459739	51.177	ug/l	97
37) Ethyl Acetate	7.404	43	550072	57.096	ug/l	96
38) Carbon Tetrachloride	8.204	117	455850	51.502	ug/l	98
39) Methylcyclohexane	9.451	83	560623	48.500	ug/l	92
40) Benzene	8.451	78	1419366	53.415	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	284570	56.082	ug/l #	86
42) 1,2-Dichloroethane	8.522	62	496957	54.912	ug/l	98
43) Isopropyl Acetate	8.551	43	867435	57.122	ug/l	97
44) Trichloroethene	9.210	130	340373	48.644	ug/l	99
45) 1,2-Dichloropropane	9.480	63	388626	57.095	ug/l	97
46) Dibromomethane	9.569	93	230659	51.493	ug/l	98
47) Bromodichloromethane	9.757	83	499462	55.171	ug/l	100
48) Methyl methacrylate	9.551	41	420001	58.432	ug/l #	80
49) 1,4-Dioxane	9.563	88	113554	889.464	ug/l	91
51) 4-Methyl-2-Pentanone	10.321	43	2636736	285.381	ug/l	100
52) Toluene	10.498	92	897050	53.724	ug/l	95
53) t-1,3-Dichloropropene	10.710	75	536670	54.517	ug/l	96
54) cis-1,3-Dichloropropene	10.180	75	596407	55.168	ug/l	97
55) 1,1,2-Trichloroethane	10.892	97	352320	53.906	ug/l	97
56) Ethyl methacrylate	10.757	69	554436	56.302	ug/l	89
57) 1,3-Dichloropropane	11.039	76	617126	54.588	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.033	63	408209	194.453	ug/l	93
59) 2-Hexanone	11.080	43	1756889	276.484	ug/l	99
60) Dibromochloromethane	11.233	129	371555	53.792	ug/l	99
61) 1,2-Dibromoethane	11.339	107	341804	51.415	ug/l	100
64) Tetrachloroethene	10.969	164	297832	45.676	ug/l	98
65) Chlorobenzene	11.763	112	928651	51.473	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.833	131	352805	53.646	ug/l	99
67) Ethyl Benzene	11.839	91	1708820	54.116	ug/l	97
68) m/p-Xylenes	11.945	106	1292857	105.996	ug/l	98
69) o-Xylene	12.274	106	640302	53.740	ug/l	98
70) Styrene	12.286	104	1031322	54.436	ug/l	97
71) Bromoform	12.451	173	267465	51.066	ug/l #	99
73) Isopropylbenzene	12.574	105	1676685	59.515	ug/l	99
74) N-amyl acetate	12.380	43	533115	59.200	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.821	83	507122	56.646	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	413877m	50.222	ug/l	
77) Bromobenzene	12.851	156	386394	56.026	ug/l	86
78) n-propylbenzene	12.915	91	1869265	59.055	ug/l	98
79) 2-Chlorotoluene	12.998	91	1150278	59.841	ug/l	94
80) 1,3,5-Trimethylbenzene	13.051	105	1355636	59.396	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.615	75	135596	53.319	ug/l	95
82) 4-Chlorotoluene	13.098	91	1075153	57.620	ug/l	95
83) tert-Butylbenzene	13.315	119	1189671	54.961	ug/l	96
84) 1,2,4-Trimethylbenzene	13.362	105	1311904	58.391	ug/l	100
85) sec-Butylbenzene	13.492	105	1660433	58.216	ug/l	99
86) p-Isopropyltoluene	13.610	119	1347792	57.563	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	656998	53.815	ug/l	98
88) 1,4-Dichlorobenzene	13.686	146	621694	51.975	ug/l	98
89) n-Butylbenzene	13.933	91	1017140	53.246	ug/l	96
90) Hexachloroethane	14.204	117	251902	60.243	ug/l	89
91) 1,2-Dichlorobenzene	13.980	146	616451	53.772	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.598	75	74581	51.418	ug/l	87
93) 1,2,4-Trichlorobenzene	15.256	180	250672	39.345	ug/l	98
94) Hexachlorobutadiene	15.362	225	185444	44.359	ug/l	99
95) Naphthalene	15.498	128	496192	33.535	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	225184	38.516	ug/l	99

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

