

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070994.D
 Acq On : 17 Feb 2022 21:42
 Operator : JC\MD
 Sample : N1581-08MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GR-OF-20220215MSD

Quant Time: Feb 18 00:52:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	625250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1018316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	954137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	397015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	365962	51.238	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.480%			
35) Dibromofluoromethane	8.022	113	291908	48.194	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.380%			
50) Toluene-d8	10.439	98	1167593	48.001	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.000%			
62) 4-Bromofluorobenzene	12.727	95	403799	46.443	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.880%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	307514	47.353	ug/l	100
3) Chloromethane	2.299	50	412403	50.523	ug/l	99
4) Vinyl Chloride	2.440	62	391600	47.924	ug/l	100
5) Bromomethane	2.828	94	209128	45.053	ug/l	98
6) Chloroethane	2.999	64	241760	45.099	ug/l	97
7) Trichlorofluoromethane	3.363	101	473856	46.274	ug/l	98
8) Diethyl Ether	3.816	74	204927	46.035	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.193	101	285905	45.507	ug/l	97
10) Methyl Iodide	4.404	142	435316	50.029	ug/l	97
11) Tert butyl alcohol	5.398	59	441180	338.940	ug/l	98
12) 1,1-Dichloroethene	4.163	96	287596	46.983	ug/l	95
13) Acrolein	4.034	56	346347	297.773	ug/l	99
14) Allyl chloride	4.828	41	582754	49.918	ug/l #	86
15) Acrylonitrile	5.551	53	1201698	313.427	ug/l	99
16) Acetone	4.287	43	994836	252.917	ug/l	95
17) Carbon Disulfide	4.510	76	786462	44.803	ug/l	100
18) Methyl Acetate	4.857	43	486891	56.611	ug/l	99
19) Methyl tert-butyl Ether	5.622	73	1105612	51.490	ug/l	96
20) Methylene Chloride	5.087	84	360837	50.476	ug/l	96
21) trans-1,2-Dichloroethene	5.587	96	315371	48.002	ug/l	94
22) Diisopropyl ether	6.498	45	1205218	53.828	ug/l	92
23) Vinyl Acetate	6.434	43	4792008	252.829	ug/l	100
24) 1,1-Dichloroethane	6.381	63	646563	51.513	ug/l	100
25) 2-Butanone	7.339	43	1644865	314.349	ug/l	98
26) 2,2-Dichloropropane	7.322	77	414158	39.702	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	379908	50.311	ug/l	96
28) Bromochloromethane	7.657	49	274392	54.013	ug/l	89
29) Tetrahydrofuran	7.686	42	1129869	333.316	ug/l	94
30) Chloroform	7.816	83	627511	50.832	ug/l	99
31) Cyclohexane	8.086	56	589728	47.742	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	538886	50.548	ug/l	98
36) 1,1-Dichloropropene	8.222	75	462759	46.633	ug/l	97
37) Ethyl Acetate	7.416	43	579238	54.427	ug/l	99
38) Carbon Tetrachloride	8.204	117	467613	47.826	ug/l	99
39) Methylcyclohexane	9.457	83	559751	43.837	ug/l	96
40) Benzene	8.457	78	1445356	49.240	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	336663	60.063	ug/l #	87
42) 1,2-Dichloroethane	8.528	62	502092	50.224	ug/l	98
43) Isopropyl Acetate	8.563	43	900303	53.670	ug/l	99
44) Trichloroethene	9.210	130	354354	45.844	ug/l	97
45) 1,2-Dichloropropane	9.486	63	384569	51.147	ug/l	99
46) Dibromomethane	9.575	93	249431	50.409	ug/l	99
47) Bromodichloromethane	9.757	83	488155	48.813	ug/l	98
48) Methyl methacrylate	9.557	41	445285	56.081	ug/l #	89
49) 1,4-Dioxane	9.569	88	195242	1384.446	ug/l	92
51) 4-Methyl-2-Pentanone	10.328	43	3240898	317.542	ug/l	97
52) Toluene	10.504	92	917660	49.752	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	525223	48.300	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	569869	47.720	ug/l	94
55) 1,1,2-Trichloroethane	10.898	97	363620	50.364	ug/l	99
56) Ethyl methacrylate	10.757	69	622421	57.218	ug/l #	92
57) 1,3-Dichloropropane	11.039	76	649081	51.975	ug/l	99
59) 2-Hexanone	11.086	43	2381664	339.300	ug/l	98
60) Dibromochloromethane	11.233	129	386293	50.628	ug/l	99
61) 1,2-Dibromoethane	11.345	107	380648	51.834	ug/l	100
64) Tetrachloroethene	10.975	164	311941	41.980	ug/l	98
65) Chlorobenzene	11.769	112	979902	47.660	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	367920	49.091	ug/l	99
67) Ethyl Benzene	11.839	91	1757821	48.849	ug/l	98
68) m/p-Xylenes	11.951	106	1335817	96.103	ug/l	100
69) o-Xylene	12.280	106	667119	49.132	ug/l	99
70) Styrene	12.292	104	1073033	49.700	ug/l	98
71) Bromoform	12.457	173	300267	50.306	ug/l #	100
73) Isopropylbenzene	12.574	105	1714263	53.644	ug/l	100
74) N-amyl acetate	12.386	43	614391	60.146	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.821	83	587361	57.840	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	476716m	50.998	ug/l	
77) Bromobenzene	12.857	156	403079	51.525	ug/l	85
78) n-propylbenzene	12.916	91	1885128	52.504	ug/l	98
79) 2-Chlorotoluene	13.004	91	1163614	53.366	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1370379	52.932	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.621	75	162014	56.163	ug/l	89
82) 4-Chlorotoluene	13.104	91	1084954	51.260	ug/l	97
83) tert-Butylbenzene	13.321	119	1229105	50.059	ug/l	97
84) 1,2,4-Trimethylbenzene	13.363	105	1339305	52.552	ug/l	100
85) sec-Butylbenzene	13.498	105	1654091	51.127	ug/l	99
86) p-Isopropyltoluene	13.616	119	1347449	50.734	ug/l	99
87) 1,3-Dichlorobenzene	13.616	146	670734	48.434	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	648366	47.786	ug/l	99
89) n-Butylbenzene	13.939	91	1015268	46.854	ug/l	96
90) Hexachloroethane	14.210	117	249299	52.560	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	651830	50.125	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	110730	67.301	ug/l	89
93) 1,2,4-Trichlorobenzene	15.262	180	329036	45.215	ug/l	100
94) Hexachlorobutadiene	15.368	225	174830	36.868	ug/l	99
95) Naphthalene	15.504	128	1015345	56.485	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	337866	50.134	ug/l	99

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

