

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022322\
 Data File : VN071046.D
 Acq On : 23 Feb 2022 20:33
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/24/2022
 Supervised By : Mahesh Dadoda 02/24/2022

Quant Time: Feb 24 00:42:34 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

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	606196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	979747	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	913182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	374253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	372225	53.753	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.500%			
35) Dibromofluoromethane	8.016	113	295340	50.680	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.360%			
50) Toluene-d8	10.439	98	1180331	50.435	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.880%			
62) 4-Bromofluorobenzene	12.727	95	401183	47.958	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 95.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	283927	45.095	ug/l	98
3) Chloromethane	2.298	50	393854	49.767	ug/l	99
4) Vinyl Chloride	2.440	62	359762	45.412	ug/l	98
5) Bromomethane	2.828	94	189962	42.210	ug/l	99
6) Chloroethane	3.004	64	220327	42.392	ug/l	97
7) Trichlorofluoromethane	3.369	101	487168	49.070	ug/l	98
8) Diethyl Ether	3.822	74	213313	49.425	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.204	101	277187	45.506	ug/l	95
10) Methyl Iodide	4.422	142	406860	48.228	ug/l	98
11) Tert butyl alcohol	5.369	59	403241	319.530	ug/l	98
12) 1,1-Dichloroethene	4.181	96	277083	46.689	ug/l	94
13) Acrolein	4.040	56	309095	274.099	ug/l	98
14) Allyl chloride	4.839	41	574877	50.792	ug/l #	85
15) Acrylonitrile	5.551	53	1148223	308.893	ug/l	99
16) Acetone	4.281	43	919774	241.184	ug/l	96
17) Carbon Disulfide	4.528	76	688550	40.458	ug/l	99
18) Methyl Acetate	4.851	43	502960	60.358	ug/l	97
19) Methyl tert-butyl Ether	5.616	73	1085882	52.161	ug/l	98
20) Methylene Chloride	5.092	84	348919	50.343	ug/l	93
21) trans-1,2-Dichloroethene	5.592	96	300166	47.123	ug/l	90
22) Diisopropyl ether	6.492	45	1222909	56.335	ug/l	93
23) Vinyl Acetate	6.428	43	5281731	287.426	ug/l	99
24) 1,1-Dichloroethane	6.381	63	630029	51.773	ug/l	99
25) 2-Butanone	7.333	43	1559330	307.369	ug/l	97
26) 2,2-Dichloropropane	7.322	77	466945	46.170	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	366663	50.084	ug/l	92
28) Bromochloromethane	7.657	49	260037	52.796	ug/l	84
29) Tetrahydrofuran	7.680	42	1067654	324.862	ug/l	92
30) Chloroform	7.816	83	603777	50.447	ug/l	98
31) Cyclohexane	8.092	56	573898	47.921	ug/l	91
32) 1,1,1-Trichloroethane	8.010	97	519487	50.260	ug/l	99
36) 1,1-Dichloropropene	8.222	75	443298	46.431	ug/l	97
37) Ethyl Acetate	7.410	43	623819	60.924	ug/l	99
38) Carbon Tetrachloride	8.204	117	436492	46.400	ug/l	95
39) Methylcyclohexane	9.457	83	541062	44.042	ug/l	93
40) Benzene	8.457	78	1392161	49.295	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	319242	59.197	ug/l	88
42) 1,2-Dichloroethane	8.527	62	490200	50.965	ug/l	98
43) Isopropyl Acetate	8.557	43	932438	57.774	ug/l	98
44) Trichloroethene	9.216	130	338447	45.510	ug/l	99
45) 1,2-Dichloropropane	9.486	63	377128	52.131	ug/l	98
46) Dibromomethane	9.574	93	240135	50.441	ug/l	97
47) Bromodichloromethane	9.757	83	483104	50.210	ug/l	98
48) Methyl methacrylate	9.557	41	452460	59.228	ug/l #	82
49) 1,4-Dioxane	9.569	88	172225	1269.310	ug/l	90
51) 4-Methyl-2-Pentanone	10.327	43	3105650	316.269	ug/l	98
52) Toluene	10.504	92	883157	49.767	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	525289	50.208	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	568434	49.474	ug/l	96
55) 1,1,2-Trichloroethane	10.892	97	354253	50.999	ug/l	99
56) Ethyl methacrylate	10.757	69	598802	57.214	ug/l #	90
57) 1,3-Dichloropropane	11.039	76	634873	52.839	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	557941	240.976	ug/l	95
59) 2-Hexanone	11.080	43	2197201	325.343	ug/l	99
60) Dibromochloromethane	11.233	129	365179	49.745	ug/l	100
61) 1,2-Dibromoethane	11.345	107	360142	50.972	ug/l	100
64) Tetrachloroethene	10.974	164	292065	41.067	ug/l	99
65) Chlorobenzene	11.768	112	924102	46.962	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.839	131	348157	48.538	ug/l	99
67) Ethyl Benzene	11.839	91	1662595	48.275	ug/l	99
68) m/p-Xylenes	11.951	106	1268391	95.344	ug/l	99
69) o-Xylene	12.274	106	631355	48.583	ug/l	99
70) Styrene	12.292	104	996492	48.225	ug/l	98
71) Bromoform	12.457	173	279007	48.840	ug/l #	99
73) Isopropylbenzene	12.574	105	1623394	53.890	ug/l	100
74) N-amyl acetate	12.386	43	612958	63.655	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.821	83	555679	58.049	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	434910m	49.355	ug/l	
77) Bromobenzene	12.857	156	376468	51.050	ug/l	82
78) n-propylbenzene	12.915	91	1771512	52.340	ug/l	98
79) 2-Chlorotoluene	13.004	91	1093272	53.190	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	1289533	52.839	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	150378	55.300	ug/l	90
82) 4-Chlorotoluene	13.104	91	1022932	51.269	ug/l	94
83) tert-Butylbenzene	13.321	119	1175878	50.804	ug/l	97
84) 1,2,4-Trimethylbenzene	13.362	105	1254919	52.236	ug/l	99
85) sec-Butylbenzene	13.498	105	1568008	51.414	ug/l	100
86) p-Isopropyltoluene	13.610	119	1255803	50.159	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	621623	47.618	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	587804	45.957	ug/l	98
89) n-Butylbenzene	13.939	91	921663	45.121	ug/l	96
90) Hexachloroethane	14.209	117	240718	53.838	ug/l	92
91) 1,2-Dichlorobenzene	13.986	146	600831	49.014	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	93385	60.211	ug/l	92
93) 1,2,4-Trichlorobenzene	15.262	180	269388	39.533	ug/l	98
94) Hexachlorobutadiene	15.368	225	174362	39.005	ug/l	97
95) Naphthalene	15.504	128	685977	41.896	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	261677	41.639	ug/l	98

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

