

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012723\
 Data File : VN076445.D
 Acq On : 27 Jan 2023 17:57
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/30/2023
 Supervised By : Semsettin Yesilyurt 01/30/2023

Quant Time: Jan 27 22:42:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	382563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	639405	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	577782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	281703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	242283	56.562	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.120%			
35) Dibromofluoromethane	8.171	113	204747	51.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.380%			
50) Toluene-d8	10.571	98	749995	50.773	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.540%			
62) 4-Bromofluorobenzene	12.853	95	269636	55.915	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.840%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	194072	49.504	ug/l	95
3) Chloromethane	2.377	50	231625	57.064	ug/l	98
4) Vinyl Chloride	2.530	62	310168	62.319	ug/l	98
5) Bromomethane	2.948	94	207940	51.018	ug/l	100
6) Chloroethane	3.118	64	202402	54.233	ug/l	100
7) Trichlorofluoromethane	3.506	101	443693	64.798	ug/l	98
8) Diethyl Ether	3.971	74	157419	68.542	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.383	101	233724	60.296	ug/l	97
10) Methyl Iodide	4.600	142	343163	57.958	ug/l	97
11) Tert butyl alcohol	5.536	59	168922	294.831	ug/l	99
12) 1,1-Dichloroethene	4.353	96	217150	59.262	ug/l	88
13) Acrolein	4.189	56	243596	355.517	ug/l	100
14) Allyl chloride	5.036	41	252848	59.213	ug/l	97
15) Acrylonitrile	5.736	53	436070	267.458	ug/l	99
16) Acetone	4.442	43	459005	334.294	ug/l	100
17) Carbon Disulfide	4.724	76	449499	49.267	ug/l	97
18) Methyl Acetate	5.036	43	275619	59.227	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	665471	55.786	ug/l	99
20) Methylene Chloride	5.289	84	230496	56.809	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	194001	48.871	ug/l	96
22) Diisopropyl ether	6.683	45	591337	58.722	ug/l	98
23) Vinyl Acetate	6.612	43	1882180	289.201	ug/l	99
24) 1,1-Dichloroethane	6.577	63	366114	54.543	ug/l	98
25) 2-Butanone	7.489	43	560910	267.453	ug/l	98
26) 2,2-Dichloropropane	7.500	77	304366	53.800	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	244947	52.906	ug/l	98
28) Bromochloromethane	7.824	49	150796	55.425	ug/l	94
29) Tetrahydrofuran	7.841	42	366142	282.872	ug/l	97
30) Chloroform	7.971	83	410138	55.220	ug/l	99
31) Cyclohexane	8.259	56	302159	45.920	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	368184	54.296	ug/l	98
36) 1,1-Dichloropropene	8.377	75	282983	49.790	ug/l	99
37) Ethyl Acetate	7.571	43	233028	51.116	ug/l	98
38) Carbon Tetrachloride	8.371	117	322353	50.860	ug/l	98
39) Methylcyclohexane	9.606	83	345130	49.726	ug/l	99
40) Benzene	8.612	78	866942	51.012	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	129236	54.143	ug/l	98
42) 1,2-Dichloroethane	8.677	62	316828	54.487	ug/l	98
43) Isopropyl Acetate	8.694	43	400463	53.999	ug/l	98
44) Trichloroethene	9.359	130	229632	47.774	ug/l	98
45) 1,2-Dichloropropane	9.624	63	211259	51.920	ug/l	100
46) Dibromomethane	9.712	93	155783	50.710	ug/l	97
47) Bromodichloromethane	9.888	83	322332	54.098	ug/l	97
48) Methyl methacrylate	9.682	41	190980	54.396	ug/l	97
49) 1,4-Dioxane	9.694	88	77065	1040.260	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	1209273	277.767	ug/l	99
52) Toluene	10.635	92	569919	50.147	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	322669	56.808	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	351724	53.825	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	228523	52.605	ug/l	98
56) Ethyl methacrylate	10.877	69	325938	58.117	ug/l	98
57) 1,3-Dichloropropane	11.165	76	371522	52.627	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	436295	230.439	ug/l	98
59) 2-Hexanone	11.200	43	871203	276.149	ug/l	99
60) Dibromochloromethane	11.359	129	255290	55.826	ug/l	99
61) 1,2-Dibromoethane	11.471	107	229440	52.914	ug/l	99
64) Tetrachloroethene	11.106	164	215699	41.397	ug/l	97
65) Chlorobenzene	11.894	112	602524	49.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	232856	51.242	ug/l	99
67) Ethyl Benzene	11.965	91	1112045	53.200	ug/l	98
68) m/p-Xylenes	12.071	106	859695	102.565	ug/l	97
69) o-Xylene	12.400	106	432112	52.496	ug/l	96
70) Styrene	12.412	104	709191	53.959	ug/l	98
71) Bromoform	12.582	173	172598	52.594	ug/l #	99
73) Isopropylbenzene	12.700	105	1142037	52.405	ug/l	99
74) N-amyl acetate	12.494	43	350831	55.966	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	323166	51.585	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	284776m	55.597	ug/l	
77) Bromobenzene	12.982	156	264785	51.992	ug/l	96
78) n-propylbenzene	13.035	91	1304652	53.057	ug/l	99
79) 2-Chlorotoluene	13.129	91	776946	51.491	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	981310	53.750	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	86277	50.958	ug/l	96
82) 4-Chlorotoluene	13.129	91	776946	51.491	ug/l	98
83) tert-Butylbenzene	13.441	119	852417	52.496	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	980869	53.579	ug/l	98
85) sec-Butylbenzene	13.618	105	1216871	54.007	ug/l	99
86) p-Isopropyltoluene	13.729	119	1015704	54.820	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	497479	48.433	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	488449	49.990	ug/l	99
89) n-Butylbenzene	14.059	91	824351	56.048	ug/l	99
90) Hexachloroethane	14.335	117	169982	53.156	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	488011	47.702	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	55767	51.210	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	226706	45.969	ug/l	98
94) Hexachlorobutadiene	15.500	225	123104	45.345	ug/l	99
95) Naphthalene	15.641	128	669529	45.900	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	224257	47.649	ug/l	97

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

