

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076308.D
 Acq On : 18 Jan 2023 20:43
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/19/2023
 Supervised By : Mahesh Dadoda 01/19/2023

Quant Time: Jan 19 00:56:03 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	423522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	676863	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	596057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	291229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	230643	48.637	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.280%		
35) Dibromofluoromethane	8.177	113	211532	49.960	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.920%		
50) Toluene-d8	10.571	98	792845	50.704	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.400%		
62) 4-Bromofluorobenzene	12.853	95	267898	52.480	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	206914	47.675	ug/l	97
3) Chloromethane	2.377	50	203071	45.191	ug/l	96
4) Vinyl Chloride	2.530	62	256821	46.610	ug/l	98
5) Bromomethane	2.948	94	212285	47.047	ug/l	98
6) Chloroethane	3.124	64	186893	45.235	ug/l	98
7) Trichlorofluoromethane	3.506	101	345084	45.523	ug/l	97
8) Diethyl Ether	3.971	74	124034	48.783	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	189623	44.188	ug/l	99
10) Methyl Iodide	4.600	142	308769	47.105	ug/l	99
11) Tert butyl alcohol	5.536	59	150719	237.620	ug/l	100
12) 1,1-Dichloroethene	4.353	96	187696	46.270	ug/l	97
13) Acrolein	4.195	56	268759	354.307	ug/l	100
14) Allyl chloride	5.036	41	210717	44.574	ug/l	99
15) Acrylonitrile	5.730	53	421537	233.541	ug/l	99
16) Acetone	4.442	43	338981	222.980	ug/l	100
17) Carbon Disulfide	4.730	76	420496	41.631	ug/l	97
18) Methyl Acetate	5.042	43	227236	44.107	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	654546	49.563	ug/l	99
20) Methylene Chloride	5.289	84	210096	46.666	ug/l	98
21) trans-1,2-Dichloroethene	5.800	96	198296	45.122	ug/l	99
22) Diisopropyl ether	6.683	45	531337	47.661	ug/l	99
23) Vinyl Acetate	6.612	43	1723860	239.259	ug/l	100
24) 1,1-Dichloroethane	6.583	63	341861	46.004	ug/l	98
25) 2-Butanone	7.489	43	525928	226.521	ug/l	98
26) 2,2-Dichloropropane	7.500	77	253149	40.419	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	239248	46.677	ug/l	97
28) Bromochloromethane	7.824	49	136383	45.280	ug/l	100
29) Tetrahydrofuran	7.847	42	346642	241.907	ug/l	99
30) Chloroform	7.977	83	383633	46.656	ug/l	98
31) Cyclohexane	8.265	56	308451	42.343	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	346366	46.138	ug/l	97
36) 1,1-Dichloropropene	8.377	75	275654	45.816	ug/l	99
37) Ethyl Acetate	7.571	43	226702	46.979	ug/l	100
38) Carbon Tetrachloride	8.371	117	297760	44.380	ug/l	98
39) Methylcyclohexane	9.606	83	346453	47.154	ug/l	97
40) Benzene	8.612	78	838508	46.609	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	119499	47.293	ug/l	94
42) 1,2-Dichloroethane	8.677	62	282319	45.866	ug/l	100
43) Isopropyl Acetate	8.694	43	376166	47.916	ug/l	99
44) Trichloroethene	9.359	130	230074	45.217	ug/l	98
45) 1,2-Dichloropropane	9.624	63	199265	46.263	ug/l	98
46) Dibromomethane	9.712	93	149869	46.085	ug/l	99
47) Bromodichloromethane	9.888	83	288000	45.661	ug/l	97
48) Methyl methacrylate	9.682	41	175125	47.120	ug/l	98
49) 1,4-Dioxane	9.694	88	79235	1010.362	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	1134776	246.230	ug/l	99
52) Toluene	10.635	92	553167	45.979	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	290779	48.361	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	327119	47.289	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	218192	47.448	ug/l	98
56) Ethyl methacrylate	10.877	69	309531	52.137	ug/l	98
57) 1,3-Dichloropropane	11.165	76	351003	46.969	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	507224	253.075	ug/l	99
59) 2-Hexanone	11.200	43	818224	245.003	ug/l	99
60) Dibromochloromethane	11.359	129	237720	49.107	ug/l	99
61) 1,2-Dibromoethane	11.471	107	223407	48.671	ug/l	100
64) Tetrachloroethene	11.106	164	236173	43.937	ug/l	97
65) Chlorobenzene	11.894	112	593619	47.113	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	220117	46.954	ug/l	99
67) Ethyl Benzene	11.965	91	1079516	50.060	ug/l	99
68) m/p-Xylenes	12.071	106	853693	98.727	ug/l	99
69) o-Xylene	12.400	106	422814	49.791	ug/l	98
70) Styrene	12.412	104	693189	51.125	ug/l	100
71) Bromoform	12.582	173	166948	49.312	ug/l #	99
73) Isopropylbenzene	12.700	105	1105728	49.079	ug/l	100
74) N-amyl acetate	12.494	43	335046	51.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	299167	46.192	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	269717m	50.854	ug/l	
77) Bromobenzene	12.982	156	261423	49.627	ug/l	99
78) n-propylbenzene	13.035	91	1247338	49.067	ug/l	100
79) 2-Chlorotoluene	13.129	91	739010	47.375	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	935312	49.555	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	78832	45.038	ug/l	97
82) 4-Chlorotoluene	13.129	91	739010	47.375	ug/l	99
83) tert-Butylbenzene	13.441	119	856723	51.035	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	939318	49.631	ug/l	100
85) sec-Butylbenzene	13.618	105	1171070	50.274	ug/l	100
86) p-Isopropyltoluene	13.729	119	988354	51.599	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	490149	46.158	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	488513	48.364	ug/l	99
89) n-Butylbenzene	14.059	91	787540	51.793	ug/l	99
90) Hexachloroethane	14.335	117	155346	46.990	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	484587	45.818	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	52586	46.709	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	240145	47.069	ug/l	99
94) Hexachlorobutadiene	15.506	225	125568	44.739	ug/l	99
95) Naphthalene	15.641	128	715233	47.368	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	229334	47.146	ug/l	98

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

