

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077803.D
 Acq On : 22 May 2023 20:41
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2023
 Supervised By : Mahesh Dadoda 05/23/2023

Quant Time: May 23 04:22:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	414793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	739576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.876	117	654667	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	289413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	296912	47.840	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.680%		
35) Dibromofluoromethane	8.171	113	260980	54.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.240%		
50) Toluene-d8	10.576	98	976183	52.588	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.180%		
62) 4-Bromofluorobenzene	12.853	95	328529	50.111	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	211764	44.859	ug/l	99
3) Chloromethane	2.371	50	208152	41.276	ug/l	97
4) Vinyl Chloride	2.518	62	266076	44.706	ug/l	98
5) Bromomethane	2.948	94	194164	44.110	ug/l	100
6) Chloroethane	3.118	64	180936	42.184	ug/l	97
7) Trichlorofluoromethane	3.506	101	387580	46.728	ug/l	96
8) Diethyl Ether	3.965	74	139276	45.996	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.383	101	218658	47.636	ug/l	98
10) Methyl Iodide	4.600	142	297507	54.347	ug/l	98
11) Tert butyl alcohol	5.536	59	187571	218.987	ug/l	99
12) 1,1-Dichloroethene	4.347	96	205435	47.089	ug/l	90
13) Acrolein	4.183	56	149862	285.294	ug/l	96
14) Allyl chloride	5.030	41	297282	46.385	ug/l	91
15) Acrylonitrile	5.730	53	512162	223.813	ug/l	99
16) Acetone	4.436	43	397430	203.538	ug/l	97
17) Carbon Disulfide	4.718	76	458383	38.995	ug/l	99
18) Methyl Acetate	5.036	43	361876	44.177	ug/l	91
19) Methyl tert-butyl Ether	5.800	73	738621	46.774	ug/l	99
20) Methylene Chloride	5.289	84	246266	48.393	ug/l	94
21) trans-1,2-Dichloroethene	5.800	96	222686	45.441	ug/l	89
22) Diisopropyl ether	6.683	45	680131	45.275	ug/l	93
23) Vinyl Acetate	6.612	43	2027516	217.837	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	437371	47.523	ug/l	97
25) 2-Butanone	7.488	43	638373	208.997	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	336232	43.002	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	283800	48.298	ug/l	95
28) Bromochloromethane	7.818	49	194309	48.818	ug/l	95
29) Tetrahydrofuran	7.847	42	421790	210.891	ug/l	86
30) Chloroform	7.977	83	479874	47.400	ug/l	94
31) Cyclohexane	8.265	56	351268	41.643	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	426984	49.607	ug/l	98
36) 1,1-Dichloropropene	8.377	75	328590	46.582	ug/l	98
37) Ethyl Acetate	7.571	43	266544	42.395	ug/l #	94
38) Carbon Tetrachloride	8.371	117	371584	52.167	ug/l	98
39) Methylcyclohexane	9.612	83	397866	46.072	ug/l	93
40) Benzene	8.612	78	1006586	48.357	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	154783	46.227	ug/l	88
42) 1,2-Dichloroethane	8.677	62	349391	46.206	ug/l	99
43) Isopropyl Acetate	8.694	43	468905	45.660	ug/l	96
44) Trichloroethene	9.359	130	275610	52.290	ug/l	98
45) 1,2-Dichloropropane	9.629	63	263761	49.677	ug/l	99
46) Dibromomethane	9.718	93	184211	48.485	ug/l	94
47) Bromodichloromethane	9.894	83	374405	51.473	ug/l	97
48) Methyl methacrylate	9.688	41	222418	45.681	ug/l	87
49) 1,4-Dioxane	9.700	88	88874	966.419	ug/l	89
51) 4-Methyl-2-Pentanone	10.453	43	1411956	231.303	ug/l	94
52) Toluene	10.635	92	644663	49.747	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	385696	50.072	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	408583	48.134	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	261009	50.726	ug/l	97
56) Ethyl methacrylate	10.882	69	374460	48.131	ug/l	92
57) 1,3-Dichloropropane	11.171	76	429910	48.737	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	855804	223.597	ug/l	94
59) 2-Hexanone	11.200	43	999858	221.446	ug/l	93
60) Dibromochloromethane	11.365	129	289783	54.553	ug/l	100
61) 1,2-Dibromoethane	11.476	107	265607	51.743	ug/l	97
64) Tetrachloroethene	11.112	164	259819	56.751	ug/l	98
65) Chlorobenzene	11.900	112	704833	49.663	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	271297	55.245	ug/l	98
67) Ethyl Benzene	11.970	91	1262177	49.627	ug/l	100
68) m/p-Xylenes	12.076	106	985577	102.270	ug/l	98
69) o-Xylene	12.406	106	487887	51.479	ug/l	99
70) Styrene	12.418	104	769136	51.086	ug/l	98
71) Bromoform	12.588	173	182122	55.749	ug/l #	99
73) Isopropylbenzene	12.700	105	1265428	50.724	ug/l	99
74) N-amyl acetate	12.500	43	383345	41.572	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.947	83	354267	46.160	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	305561m	42.158	ug/l	
77) Bromobenzene	12.988	156	281707	49.481	ug/l	96
78) n-propylbenzene	13.041	91	1442145	49.033	ug/l	99
79) 2-Chlorotoluene	13.129	91	858566	48.920	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	1060304	50.569	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.747	75	98935	43.633	ug/l	91
82) 4-Chlorotoluene	13.229	91	822987	47.130	ug/l	97
83) tert-Butylbenzene	13.447	119	947835	51.782	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	1057556	51.285	ug/l	97
85) sec-Butylbenzene	13.623	105	1317216	50.635	ug/l	99
86) p-Isopropyltoluene	13.735	119	1086672	52.398	ug/l	97
87) 1,3-Dichlorobenzene	13.741	146	504596	47.926	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	496728	47.544	ug/l	99
89) n-Butylbenzene	14.064	91	899889	47.176	ug/l	98
90) Hexachloroethane	14.341	117	186627	54.778	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	507848	51.632	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	63665	42.847	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	235630	40.994	ug/l	97
94) Hexachlorobutadiene	15.506	225	118294	49.568	ug/l	99
95) Naphthalene	15.647	128	727948	36.794	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	243595	43.285	ug/l	98

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

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