

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078429.D
 Acq On : 27 Jun 2023 20:17
 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 06/28/2023
 Supervised By : Mahesh Dadoda 06/28/2023

Quant Time: Jun 28 07:16:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	423276	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	749369	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	660291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	259884	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	286344	50.738	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.480%			
35) Dibromofluoromethane	8.177	113	262144	55.326	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.660%			
50) Toluene-d8	10.571	98	923151	50.539	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.853	95	296411	52.199	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	194955	40.746	ug/l	99
3) Chloromethane	2.371	50	230355	51.220	ug/l	99
4) Vinyl Chloride	2.518	62	314901	50.261	ug/l	100
5) Bromomethane	2.942	94	230462	48.673	ug/l	100
6) Chloroethane	3.118	64	290003	67.900	ug/l	96
7) Trichlorofluoromethane	3.501	101	612707	72.115	ug/l	97
8) Diethyl Ether	3.965	74	212278	71.107	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.383	101	324246	72.313	ug/l	97
10) Methyl Iodide	4.600	142	462955	73.008	ug/l	98
11) Tert butyl alcohol	5.536	59	286222	367.300	ug/l	99
12) 1,1-Dichloroethene	4.348	96	316482	68.470	ug/l	88
13) Acrolein	4.189	56	366928	427.234	ug/l	96
14) Allyl chloride	5.036	41	449357	79.641	ug/l	91
15) Acrylonitrile	5.736	53	759752	378.165	ug/l	98
16) Acetone	4.442	43	641305	394.789	ug/l	91
17) Carbon Disulfide	4.718	76	791513	66.530	ug/l	99
18) Methyl Acetate	5.036	43	579834	77.530	ug/l	88
19) Methyl tert-butyl Ether	5.806	73	1069252	72.504	ug/l	97
20) Methylene Chloride	5.289	84	368926	68.727	ug/l	89
21) trans-1,2-Dichloroethene	5.794	96	328470	65.888	ug/l #	82
22) Diisopropyl ether	6.683	45	739827	55.743	ug/l	96
23) Vinyl Acetate	6.612	43	2199458	278.785	ug/l #	89
24) 1,1-Dichloroethane	6.577	63	466121	53.239	ug/l	96
25) 2-Butanone	7.494	43	686398	274.777	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	365662	56.563	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	298634	50.220	ug/l	95
28) Bromochloromethane	7.818	49	212832	52.945	ug/l	93
29) Tetrahydrofuran	7.847	42	463798	277.734	ug/l	84
30) Chloroform	7.971	83	504100	53.469	ug/l	98
31) Cyclohexane	8.265	56	348151	48.091	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	452511	54.671	ug/l	97
36) 1,1-Dichloropropene	8.377	75	360986	53.115	ug/l	98
37) Ethyl Acetate	7.565	43	298504	56.223	ug/l #	95
38) Carbon Tetrachloride	8.371	117	391484	54.553	ug/l	97
39) Methylcyclohexane	9.606	83	319605	45.377	ug/l	91
40) Benzene	8.612	78	1096740	54.053	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	156523	54.390	ug/l	93
42) 1,2-Dichloroethane	8.677	62	374708	53.862	ug/l	99
43) Isopropyl Acetate	8.694	43	524795	51.685	ug/l	93
44) Trichloroethene	9.359	130	278964	52.062	ug/l	98
45) 1,2-Dichloropropane	9.624	63	286721	56.797	ug/l	97
46) Dibromomethane	9.718	93	201059	54.073	ug/l	94
47) Bromodichloromethane	9.894	83	397391	57.536	ug/l	100
48) Methyl methacrylate	9.688	41	243499	57.145	ug/l	88
49) 1,4-Dioxane	9.700	88	101393	1132.137	ug/l	94
51) 4-Methyl-2-Pentanone	10.453	43	1532393	286.596	ug/l	94
52) Toluene	10.635	92	695526	54.293	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	414047	57.562	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	454438	57.152	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	276955	57.150	ug/l	96
56) Ethyl methacrylate	10.876	69	400618	56.775	ug/l	91
57) 1,3-Dichloropropane	11.171	76	469585	57.406	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	720507	252.764	ug/l	92
59) 2-Hexanone	11.200	43	1087116	292.002	ug/l	92
60) Dibromochloromethane	11.365	129	310276	58.511	ug/l	99
61) 1,2-Dibromoethane	11.476	107	286543	56.344	ug/l	99
64) Tetrachloroethene	11.106	164	226853	51.499	ug/l	95
65) Chlorobenzene	11.894	112	738882	52.253	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	285122	54.822	ug/l	99
67) Ethyl Benzene	11.971	91	1311722	53.761	ug/l	98
68) m/p-Xylenes	12.076	106	1004273	108.003	ug/l	99
69) o-Xylene	12.406	106	498392	54.580	ug/l	98
70) Styrene	12.418	104	798148	55.521	ug/l	98
71) Bromoform	12.582	173	194729	58.018	ug/l #	97
73) Isopropylbenzene	12.700	105	1197577	48.731	ug/l	99
74) N-amyl acetate	12.500	43	423883	52.378	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	386122	57.492	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	307896m	50.115	ug/l	
77) Bromobenzene	12.982	156	289152	50.685	ug/l	97
78) n-propylbenzene	13.041	91	1329101	49.778	ug/l	100
79) 2-Chlorotoluene	13.129	91	843772	48.956	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	986546	49.583	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	110348	55.182	ug/l	92
82) 4-Chlorotoluene	13.229	91	818632	50.892	ug/l	99
83) tert-Butylbenzene	13.441	119	831711	48.088	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	972476	50.413	ug/l	98
85) sec-Butylbenzene	13.623	105	1030011	45.501	ug/l	99
86) p-Isopropyltoluene	13.735	119	852137	46.387	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	476466	49.375	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	460316	49.435	ug/l	100
89) n-Butylbenzene	14.059	91	654353	45.160	ug/l	97
90) Hexachloroethane	14.341	117	162094	49.721	ug/l	92
91) 1,2-Dichlorobenzene	14.112	146	466111	49.423	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	59586	48.950	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	148221	44.110	ug/l	95
94) Hexachlorobutadiene	15.506	225	82625	50.173	ug/l	97
95) Naphthalene	15.647	128	493069	43.623	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	168920	44.948	ug/l	99

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

