

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078411.D
 Acq On : 27 Jun 2023 11:26
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/28/2023
 Supervised By : Mahesh Dadoda 06/28/2023

Quant Time: Jun 28 07:05:54 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	8.229	168	434521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	751426	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	653523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	260829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	290864	50.205	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.420%			
35) Dibromofluoromethane	8.177	113	256449	53.976	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.960%			
50) Toluene-d8	10.571	98	919988	50.228	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.460%			
62) 4-Bromofluorobenzene	12.853	95	299958	52.679	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.360%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	196433	39.992	ug/l	99
3) Chloromethane	2.371	50	230742	49.932	ug/l	98
4) Vinyl Chloride	2.518	62	334324	51.980	ug/l	94
5) Bromomethane	2.947	94	239747	49.323	ug/l	94
6) Chloroethane	3.118	64	274734	62.660	ug/l	98
7) Trichlorofluoromethane	3.500	101	610038	69.943	ug/l	97
8) Diethyl Ether	3.971	74	206115	67.256	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.383	101	231701	50.337	ug/l	98
10) Methyl Iodide	4.594	142	320510	49.236	ug/l	96
11) Tert butyl alcohol	5.536	59	194598	243.259	ug/l	99
12) 1,1-Dichloroethene	4.342	96	225217	47.464	ug/l	97
13) Acrolein	4.189	56	322320	365.582	ug/l	97
14) Allyl chloride	5.024	41	298767	51.581	ug/l	95
15) Acrylonitrile	5.730	53	551882	267.589	ug/l	99
16) Acetone	4.436	43	443620	266.026	ug/l	96
17) Carbon Disulfide	4.724	76	569821	46.656	ug/l	99
18) Methyl Acetate	5.030	43	385231	50.177	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	781102	51.595	ug/l	95
20) Methylene Chloride	5.283	84	265028	48.094	ug/l	90
21) trans-1,2-Dichloroethene	5.794	96	246901	48.244	ug/l	85
22) Diisopropyl ether	6.677	45	739349	54.266	ug/l	94
23) Vinyl Acetate	6.612	43	2218715	273.948	ug/l #	88
24) 1,1-Dichloroethane	6.577	63	462048	51.408	ug/l	99
25) 2-Butanone	7.488	43	695820	271.340	ug/l #	84
26) 2,2-Dichloropropane	7.500	77	405036	61.033	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	296493	48.569	ug/l	92
28) Bromochloromethane	7.818	49	209448	50.755	ug/l	91
29) Tetrahydrofuran	7.841	42	452418	263.908	ug/l #	84
30) Chloroform	7.977	83	505137	52.193	ug/l	92
31) Cyclohexane	8.265	56	353899	47.620	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	432805	50.937	ug/l	95
36) 1,1-Dichloropropene	8.377	75	362502	53.192	ug/l	97
37) Ethyl Acetate	7.565	43	291036	54.666	ug/l	97
38) Carbon Tetrachloride	8.371	117	397983	55.306	ug/l	97
39) Methylcyclohexane	9.606	83	330156	46.747	ug/l	93
40) Benzene	8.612	78	1089616	53.555	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	155873	54.016	ug/l	92
42) 1,2-Dichloroethane	8.677	62	381704	54.718	ug/l	98
43) Isopropyl Acetate	8.694	43	512315	50.317	ug/l	95
44) Trichloroethene	9.359	130	279102	51.945	ug/l	100
45) 1,2-Dichloropropane	9.629	63	282748	55.857	ug/l	95
46) Dibromomethane	9.718	93	196583	52.724	ug/l	94
47) Bromodichloromethane	9.894	83	400576	57.838	ug/l	99
48) Methyl methacrylate	9.688	41	239327	56.012	ug/l	89
49) 1,4-Dioxane	9.700	88	98437	1096.122	ug/l	93
51) 4-Methyl-2-Pentanone	10.453	43	1492316	278.337	ug/l	93
52) Toluene	10.635	92	704880	54.873	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	428007	59.339	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	459308	57.606	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	273730	56.330	ug/l	99
56) Ethyl methacrylate	10.876	69	401352	56.723	ug/l	93
57) 1,3-Dichloropropane	11.170	76	462499	56.385	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	675379	236.284	ug/l	93
59) 2-Hexanone	11.200	43	1063450	284.863	ug/l	92
60) Dibromochloromethane	11.365	129	303373	57.053	ug/l	99
61) 1,2-Dibromoethane	11.476	107	279667	54.841	ug/l	99
64) Tetrachloroethene	11.106	164	238238	54.643	ug/l	98
65) Chlorobenzene	11.894	112	746502	53.338	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	281364	54.660	ug/l	97
67) Ethyl Benzene	11.970	91	1301972	53.914	ug/l	99
68) m/p-Xylenes	12.076	106	1002044	108.879	ug/l	98
69) o-Xylene	12.400	106	481515	53.278	ug/l	94
70) Styrene	12.417	104	800461	56.259	ug/l	98
71) Bromoform	12.582	173	197384	59.418	ug/l #	99
73) Isopropylbenzene	12.700	105	1196565	48.513	ug/l	98
74) N-amyl acetate	12.500	43	414046	50.977	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	380802	56.449	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	250644m	40.649	ug/l	
77) Bromobenzene	12.982	156	287766	50.259	ug/l	96
78) n-propylbenzene	13.041	91	1338112	49.934	ug/l	99
79) 2-Chlorotoluene	13.129	91	859874	49.710	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	987284	49.441	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	128339	63.946	ug/l	94
82) 4-Chlorotoluene	13.223	91	820101	50.799	ug/l	98
83) tert-Butylbenzene	13.447	119	799021	46.031	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	976052	50.415	ug/l	98
85) sec-Butylbenzene	13.623	105	1026920	45.200	ug/l	99
86) p-Isopropyltoluene	13.735	119	861469	46.725	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	475290	49.075	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	469677	50.258	ug/l	99
89) n-Butylbenzene	14.064	91	670840	46.130	ug/l	98
90) Hexachloroethane	14.335	117	158646	48.487	ug/l	87
91) 1,2-Dichlorobenzene	14.111	146	475504	50.236	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	60825	49.787	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	152414	45.194	ug/l	97
94) Hexachlorobutadiene	15.506	225	82692	50.024	ug/l	99
95) Naphthalene	15.647	128	502276	44.276	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	169678	44.986	ug/l	97

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

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