

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052223\
 Data File : VN077778.D
 Acq On : 22 May 2023 10:19
 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 05/23/2023
 Supervised By : Mahesh Dadoda 05/23/2023

Quant Time: May 23 04:17:24 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	435599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	763006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	666813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	294904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	300834	46.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.320%		
35) Dibromofluoromethane	8.171	113	257988	51.852	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.700%		
50) Toluene-d8	10.571	98	969419	50.620	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.240%		
62) 4-Bromofluorobenzene	12.853	95	332820	49.207	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	218729	44.122	ug/l	99
3) Chloromethane	2.371	50	214838	40.535	ug/l	99
4) Vinyl Chloride	2.524	62	263903	42.223	ug/l	100
5) Bromomethane	2.965	94	188665	40.814	ug/l	97
6) Chloroethane	3.136	64	180627	40.100	ug/l	95
7) Trichlorofluoromethane	3.512	101	414454	47.581	ug/l	97
8) Diethyl Ether	3.965	74	146238	45.988	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.383	101	239236	49.629	ug/l	99
10) Methyl Iodide	4.600	142	303008	52.708	ug/l	98
11) Tert butyl alcohol	5.524	59	199721	222.035	ug/l	100
12) 1,1-Dichloroethene	4.347	96	214481	46.814	ug/l	91
13) Acrolein	4.195	56	145486	261.281	ug/l	96
14) Allyl chloride	5.036	41	299279	44.466	ug/l	96
15) Acrylonitrile	5.724	53	526079	218.914	ug/l	98
16) Acetone	4.436	43	473290	230.812	ug/l	97
17) Carbon Disulfide	4.724	76	508857	41.221	ug/l	99
18) Methyl Acetate	5.036	43	382317	44.443	ug/l	89
19) Methyl tert-butyl Ether	5.800	73	775526	46.765	ug/l	97
20) Methylene Chloride	5.294	84	260912	48.840	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	239169	46.473	ug/l	87
22) Diisopropyl ether	6.683	45	730844	46.327	ug/l	93
23) Vinyl Acetate	6.612	43	2191718	224.231	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	468116	48.434	ug/l	98
25) 2-Butanone	7.488	43	710298	221.437	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	424488	51.697	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	294651	47.750	ug/l	92
28) Bromochloromethane	7.824	49	193885	46.385	ug/l	91
29) Tetrahydrofuran	7.841	42	440766	209.853	ug/l	85
30) Chloroform	7.971	83	500978	47.121	ug/l	94
31) Cyclohexane	8.265	56	386552	43.637	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	450750	49.867	ug/l	97
36) 1,1-Dichloropropene	8.377	75	362687	49.837	ug/l	97
37) Ethyl Acetate	7.565	43	278990	43.011	ug/l	94
38) Carbon Tetrachloride	8.371	117	397821	54.135	ug/l	99
39) Methylcyclohexane	9.606	83	441461	49.550	ug/l	91
40) Benzene	8.612	78	1060293	49.372	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	152347	44.102	ug/l	92
42) 1,2-Dichloroethane	8.677	62	374226	47.971	ug/l	97
43) Isopropyl Acetate	8.694	43	490119	46.260	ug/l	96
44) Trichloroethene	9.359	130	286579	52.702	ug/l	99
45) 1,2-Dichloropropane	9.629	63	277342	50.630	ug/l	97
46) Dibromomethane	9.718	93	192340	49.070	ug/l	94
47) Bromodichloromethane	9.894	83	395191	52.662	ug/l	95
48) Methyl methacrylate	9.688	41	230455	45.878	ug/l	89
49) 1,4-Dioxane	9.700	88	92372	973.612	ug/l	90
51) 4-Methyl-2-Pentanone	10.453	43	1466031	232.787	ug/l	94
52) Toluene	10.635	92	679429	50.819	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	415750	52.317	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	449365	51.312	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	270950	51.041	ug/l	98
56) Ethyl methacrylate	10.882	69	390332	48.631	ug/l	91
57) 1,3-Dichloropropane	11.171	76	447215	49.142	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	855967	216.772	ug/l	94
59) 2-Hexanone	11.200	43	1052297	225.903	ug/l	92
60) Dibromochloromethane	11.365	129	309316	56.442	ug/l	98
61) 1,2-Dibromoethane	11.476	107	268617	50.722	ug/l	99
64) Tetrachloroethene	11.112	164	281106	60.282	ug/l	95
65) Chlorobenzene	11.900	112	740449	51.222	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	283254	56.630	ug/l	99
67) Ethyl Benzene	11.971	91	1334146	51.501	ug/l	99
68) m/p-Xylenes	12.076	106	1031574	105.093	ug/l	100
69) o-Xylene	12.406	106	510474	52.881	ug/l	100
70) Styrene	12.418	104	814903	53.140	ug/l	99
71) Bromoform	12.588	173	196250	58.980	ug/l #	100
73) Isopropylbenzene	12.700	105	1329249	52.290	ug/l	98
74) N-amyl acetate	12.500	43	389622	41.466	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.947	83	358840	45.885	ug/l	97
76) 1,2,3-Trichloropropane	13.000	75	318712m	43.154	ug/l	
77) Bromobenzene	12.988	156	293496	50.592	ug/l	96
78) n-propylbenzene	13.041	91	1560566	52.072	ug/l	100
79) 2-Chlorotoluene	13.135	91	907020	50.719	ug/l	96
80) 1,3,5-Trimethylbenzene	13.182	105	1136576	53.197	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	114366	49.499	ug/l	94
82) 4-Chlorotoluene	13.229	91	881309	49.531	ug/l	98
83) tert-Butylbenzene	13.447	119	986067	52.867	ug/l	98
84) 1,2,4-Trimethylbenzene	13.488	105	1111753	52.909	ug/l	100
85) sec-Butylbenzene	13.623	105	1410647	53.217	ug/l	98
86) p-Isopropyltoluene	13.735	119	1165253	55.140	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	549160	51.187	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	533387	50.102	ug/l	99
89) n-Butylbenzene	14.064	91	1010771	52.002	ug/l	98
90) Hexachloroethane	14.341	117	204506	58.908	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	534713	53.351	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	65576	43.312	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	258751	44.179	ug/l	98
94) Hexachlorobutadiene	15.506	225	134968	55.502	ug/l	97
95) Naphthalene	15.647	128	754968	37.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	260248	45.383	ug/l	98

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

