

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051823\
 Data File : VN077750.D
 Acq On : 18 May 2023 20:38
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/19/2023
 Supervised By : Mahesh Dadoda 05/19/2023

Quant Time: May 19 07:38:01 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	8.229	168	400604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	712457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	628876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	276628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	247419	41.277	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	82.560%		
35) Dibromofluoromethane	8.177	113	215279	46.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.680%		
50) Toluene-d8	10.570	98	809599	45.274	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.540%		
62) 4-Bromofluorobenzene	12.853	95	273966	43.379	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.760%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	208109	45.647	ug/l	99
3) Chloromethane	2.371	50	200044	41.064	ug/l	99
4) Vinyl Chloride	2.524	62	242980	42.271	ug/l	98
5) Bromomethane	2.965	94	174480	41.042	ug/l	96
6) Chloroethane	3.130	64	163299	39.420	ug/l	99
7) Trichlorofluoromethane	3.512	101	377660	47.145	ug/l	96
8) Diethyl Ether	3.971	74	131559	44.986	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.383	101	208010	46.921	ug/l	97
10) Methyl Iodide	4.606	142	275315	52.074	ug/l	100
11) Tert butyl alcohol	5.530	59	156035	188.622	ug/l	99
12) 1,1-Dichloroethene	4.353	96	194870	46.249	ug/l	90
13) Acrolein	4.189	56	123119	237.836	ug/l	94
14) Allyl chloride	5.036	41	259649	41.948	ug/l	93
15) Acrylonitrile	5.724	53	466901	211.261	ug/l	99
16) Acetone	4.436	43	354518	187.992	ug/l	96
17) Carbon Disulfide	4.724	76	454021	39.992	ug/l	100
18) Methyl Acetate	5.036	43	324369	41.001	ug/l	92
19) Methyl tert-butyl Ether	5.806	73	694448	45.534	ug/l	99
20) Methylene Chloride	5.288	84	230916	46.924	ug/l	95
21) trans-1,2-Dichloroethene	5.794	96	216645	45.774	ug/l #	83
22) Diisopropyl ether	6.683	45	664759	45.819	ug/l	94
23) Vinyl Acetate	6.612	43	1917533	213.317	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	420525	47.311	ug/l	96
25) 2-Butanone	7.488	43	578734	196.182	ug/l	89
26) 2,2-Dichloropropane	7.500	77	333262	44.132	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	270367	47.642	ug/l	94
28) Bromochloromethane	7.824	49	154976	40.315	ug/l	89
29) Tetrahydrofuran	7.847	42	383171	198.367	ug/l	85
30) Chloroform	7.971	83	456245	46.662	ug/l	93
31) Cyclohexane	8.265	56	348849	42.821	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	409429	49.252	ug/l	97
36) 1,1-Dichloropropene	8.382	75	327273	48.162	ug/l	97
37) Ethyl Acetate	7.565	43	239542	39.550	ug/l #	93
38) Carbon Tetrachloride	8.371	117	361190	52.638	ug/l	98
39) Methylcyclohexane	9.606	83	400575	48.151	ug/l	94
40) Benzene	8.612	78	988520	49.296	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	144233	44.716	ug/l	88
42) 1,2-Dichloroethane	8.677	62	340728	46.776	ug/l	97
43) Isopropyl Acetate	8.694	43	436958	44.168	ug/l	96
44) Trichloroethene	9.359	130	267339	52.652	ug/l	100
45) 1,2-Dichloropropane	9.629	63	259744	50.782	ug/l	96
46) Dibromomethane	9.718	93	173114	47.298	ug/l	96
47) Bromodichloromethane	9.894	83	355041	50.668	ug/l	97
48) Methyl methacrylate	9.688	41	205587	43.831	ug/l	89
49) 1,4-Dioxane	9.700	88	73797	833.017	ug/l #	86
51) 4-Methyl-2-Pentanone	10.453	43	1268393	215.694	ug/l	94
52) Toluene	10.635	92	633525	50.748	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	356027	47.980	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	397003	48.550	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	243733	49.171	ug/l	98
56) Ethyl methacrylate	10.882	69	354517	47.302	ug/l	93
57) 1,3-Dichloropropane	11.170	76	415365	48.880	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	815509	221.180	ug/l	94
59) 2-Hexanone	11.200	43	875591	201.305	ug/l	93
60) Dibromochloromethane	11.365	129	263311	51.457	ug/l	98
61) 1,2-Dibromoethane	11.476	107	244102	49.363	ug/l	100
64) Tetrachloroethene	11.112	164	248183	56.432	ug/l	98
65) Chlorobenzene	11.900	112	667546	48.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	251871	53.393	ug/l	97
67) Ethyl Benzene	11.970	91	1220036	49.937	ug/l	99
68) m/p-Xylenes	12.076	106	939482	101.485	ug/l	99
69) o-Xylene	12.406	106	462409	50.791	ug/l	98
70) Styrene	12.417	104	743559	51.413	ug/l	98
71) Bromoform	12.582	173	166453	53.043	ug/l #	100
73) Isopropylbenzene	12.700	105	1220013	51.163	ug/l	99
74) N-amyl acetate	12.500	43	346242	39.283	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	318711	43.446	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	277303m	40.028	ug/l	
77) Bromobenzene	12.988	156	265009	48.700	ug/l	96
78) n-propylbenzene	13.041	91	1392575	49.536	ug/l	100
79) 2-Chlorotoluene	13.135	91	817314	48.722	ug/l	98
80) 1,3,5-Trimethylbenzene	13.182	105	1017595	50.775	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.747	75	92152	42.520	ug/l	92
82) 4-Chlorotoluene	13.229	91	786159	47.102	ug/l	96
83) tert-Butylbenzene	13.447	119	887829	50.745	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1001522	50.812	ug/l	98
85) sec-Butylbenzene	13.623	105	1246687	50.139	ug/l	99
86) p-Isopropyltoluene	13.735	119	1025650	51.741	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	485144	48.208	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	470829	47.147	ug/l	100
89) n-Butylbenzene	14.064	91	862915	47.328	ug/l	99
90) Hexachloroethane	14.341	117	171289	52.600	ug/l	88
91) 1,2-Dichlorobenzene	14.111	146	486690	51.768	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	55705	39.223	ug/l	97
93) 1,2,4-Trichlorobenzene	15.400	180	226187	41.170	ug/l	98
94) Hexachlorobutadiene	15.505	225	110590	48.481	ug/l	98
95) Naphthalene	15.647	128	654870	34.630	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	226162	42.044	ug/l	98

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

