

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072023\
 Data File : VN078602.D
 Acq On : 20 Jul 2023 18:46
 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 07/21/2023
 Supervised By : Mahesh Dadoda 07/21/2023

Quant Time: Jul 21 06:20:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 10 16:13:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	489741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	838169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	761310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	328655	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	332024	50.571	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.140%			
35) Dibromofluoromethane	8.177	113	292858	51.471	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.940%			
50) Toluene-d8	10.571	98	1078035	50.155	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.300%			
62) 4-Bromofluorobenzene	12.853	95	348899	52.699	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.400%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	244658	40.746	ug/l	98
3) Chloromethane	2.371	50	294225	45.083	ug/l	99
4) Vinyl Chloride	2.518	62	392743	46.520	ug/l	100
5) Bromomethane	2.948	94	251621	46.803	ug/l	98
6) Chloroethane	3.118	64	248615	48.628	ug/l	100
7) Trichlorofluoromethane	3.500	101	466009	46.176	ug/l	97
8) Diethyl Ether	3.965	74	162517	48.334	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.383	101	250864	46.958	ug/l	96
10) Methyl Iodide	4.600	142	345166	47.018	ug/l	99
11) Tert butyl alcohol	5.542	59	248793	245.741	ug/l	99
12) 1,1-Dichloroethene	4.347	96	236963	45.855	ug/l	91
13) Acrolein	4.189	56	223562	224.441	ug/l	100
14) Allyl chloride	5.036	41	321907	45.588	ug/l	94
15) Acrylonitrile	5.730	53	641803	250.900	ug/l	98
16) Acetone	4.442	43	503860	246.368	ug/l	96
17) Carbon Disulfide	4.718	76	565597	37.850	ug/l	99
18) Methyl Acetate	5.042	43	434158	50.148	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	851084	49.986	ug/l	98
20) Methylene Chloride	5.283	84	298884	50.973	ug/l	90
21) trans-1,2-Dichloroethene	5.794	96	264777	45.468	ug/l	87
22) Diisopropyl ether	6.683	45	831415	52.584	ug/l	95
23) Vinyl Acetate	6.612	43	2564428	255.121	ug/l #	90
24) 1,1-Dichloroethane	6.583	63	523731	49.157	ug/l	98
25) 2-Butanone	7.494	43	819014	254.404	ug/l #	87
26) 2,2-Dichloropropane	7.500	77	399515	45.848	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	330662	49.084	ug/l	94
28) Bromochloromethane	7.824	49	236663	47.161	ug/l	90
29) Tetrahydrofuran	7.847	42	534418	252.987	ug/l	85
30) Chloroform	7.971	83	573869	51.737	ug/l	92
31) Cyclohexane	8.265	56	378287	42.634	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	489144	49.186	ug/l	96
36) 1,1-Dichloropropene	8.383	75	391224	47.620	ug/l	98
37) Ethyl Acetate	7.571	43	352877	51.526	ug/l #	95
38) Carbon Tetrachloride	8.365	117	438882	49.153	ug/l	98
39) Methylcyclohexane	9.612	83	361683	48.231	ug/l	96
40) Benzene	8.612	78	1217698	50.031	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	190455	54.551	ug/l	92
42) 1,2-Dichloroethane	8.677	62	413814	49.986	ug/l	100
43) Isopropyl Acetate	8.700	43	602201	53.409	ug/l	94
44) Trichloroethene	9.359	130	309664	47.206	ug/l	98
45) 1,2-Dichloropropane	9.630	63	319101	51.765	ug/l	99
46) Dibromomethane	9.718	93	221315	51.009	ug/l	92
47) Bromodichloromethane	9.894	83	456621	52.502	ug/l	99
48) Methyl methacrylate	9.688	41	269018	51.499	ug/l	91
49) 1,4-Dioxane	9.700	88	119971	1053.118	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	1804538	269.066	ug/l	94
52) Toluene	10.635	92	756363	50.141	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	460841	51.722	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	504983	53.170	ug/l	94
55) 1,1,2-Trichloroethane	11.024	97	312801	52.631	ug/l	97
56) Ethyl methacrylate	10.882	69	448177	53.945	ug/l	92
57) 1,3-Dichloropropane	11.171	76	517397	51.200	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	747331	252.410	ug/l	93
59) 2-Hexanone	11.200	43	1277325	267.979	ug/l	92
60) Dibromochloromethane	11.365	129	347035	52.891	ug/l	98
61) 1,2-Dibromoethane	11.476	107	313393	51.188	ug/l	98
64) Tetrachloroethene	11.112	164	251840	43.999	ug/l	99
65) Chlorobenzene	11.894	112	825261	48.496	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	326022	49.801	ug/l	97
67) Ethyl Benzene	11.971	91	1454786	50.576	ug/l	100
68) m/p-Xylenes	12.076	106	1104098	103.816	ug/l	98
69) o-Xylene	12.406	106	544552	50.694	ug/l	98
70) Styrene	12.418	104	896651	53.355	ug/l	99
71) Bromoform	12.582	173	229088	51.671	ug/l #	99
73) Isopropylbenzene	12.700	105	1363873	44.164	ug/l	100
74) N-amyl acetate	12.500	43	477254	44.844	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	445551	51.765	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	344293m	43.340	ug/l	
77) Bromobenzene	12.982	156	323567	48.122	ug/l	96
78) n-propylbenzene	13.041	91	1498359	45.369	ug/l	100
79) 2-Chlorotoluene	13.129	91	936613	43.296	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1103070	45.207	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	129225	42.747	ug/l	93
82) 4-Chlorotoluene	13.229	91	899384	44.567	ug/l	98
83) tert-Butylbenzene	13.441	119	935900	45.177	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1101898	46.492	ug/l	100
85) sec-Butylbenzene	13.623	105	1170894	44.716	ug/l	99
86) p-Isopropyltoluene	13.735	119	974451	46.346	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	535712	45.187	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	515808	43.195	ug/l	99
89) n-Butylbenzene	14.059	91	738065	49.060	ug/l	98
90) Hexachloroethane	14.341	117	188024	48.632	ug/l	82
91) 1,2-Dichlorobenzene	14.112	146	532682	45.149	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	67599	45.553	ug/l	91
93) 1,2,4-Trichlorobenzene	15.400	180	167339	44.441	ug/l	95
94) Hexachlorobutadiene	15.506	225	97917	50.291	ug/l	98
95) Naphthalene	15.647	128	511957	39.771	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	187121	43.218	ug/l	98

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

