

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072746.D
 Acq On : 09 Jun 2022 21:58
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 10 01:47:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	158938	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	290411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	296062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	138739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	223809	52.466	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.940%			
35) Dibromofluoromethane	8.022	113	149497	52.025	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.040%			
50) Toluene-d8	10.439	98	581661	50.734	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.460%			
62) 4-Bromofluorobenzene	12.727	95	204010	51.856	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.720%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.069	85	127173	49.325	ug/l	99
3) Chloromethane	2.293	50	138572	49.483	ug/l	100
4) Vinyl Chloride	2.434	62	142637	50.522	ug/l	99
5) Bromomethane	2.822	94	72212	56.010	ug/l	97
6) Chloroethane	2.993	64	98953	55.294	ug/l	100
7) Trichlorofluoromethane	3.357	101	227385	50.601	ug/l	99
8) Diethyl Ether	3.822	74	92743	50.761	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.204	101	122000	49.580	ug/l	87
10) Methyl Iodide	4.416	142	122984	53.602	ug/l	# 87
11) Tert butyl alcohol	5.363	59	248322	244.028	ug/l	99
12) 1,1-Dichloroethene	4.175	96	111381	48.567	ug/l	89
13) Acrolein	4.040	56	103072	245.250	ug/l	96
14) Allyl chloride	4.834	41	259544	49.019	ug/l	90
15) Acrylonitrile	5.545	53	571069	264.869	ug/l	99
16) Acetone	4.281	43	533507	261.005	ug/l	95
17) Carbon Disulfide	4.528	76	256145	48.401	ug/l	96
18) Methyl Acetate	4.846	43	280692	52.778	ug/l	90
19) Methyl tert-butyl Ether	5.610	73	544479	52.489	ug/l	98
20) Methylene Chloride	5.087	84	152788	52.376	ug/l	88
21) trans-1,2-Dichloroethene	5.593	96	122855	48.650	ug/l	88
22) Diisopropyl ether	6.492	45	581455	54.183	ug/l	95
23) Vinyl Acetate	6.428	43	2638506	268.553	ug/l	# 93
24) 1,1-Dichloroethane	6.381	63	294599	52.867	ug/l	98
25) 2-Butanone	7.328	43	862114	262.190	ug/l	# 89
26) 2,2-Dichloropropane	7.322	77	204880	40.662	ug/l	96
27) cis-1,2-Dichloroethene	7.322	96	165004	51.371	ug/l	90
28) Bromochloromethane	7.657	49	152582	57.974	ug/l	# 73
29) Tetrahydrofuran	7.681	42	535344	263.483	ug/l	90
30) Chloroform	7.816	83	304612	52.438	ug/l	100
31) Cyclohexane	8.092	56	238169	52.775	ug/l	92
32) 1,1,1-Trichloroethane	8.016	97	271892	52.966	ug/l	96
36) 1,1-Dichloropropene	8.216	75	203265	50.960	ug/l	95
37) Ethyl Acetate	7.410	43	331197	53.445	ug/l	95
38) Carbon Tetrachloride	8.204	117	226021	53.025	ug/l	97
39) Methylcyclohexane	9.457	83	233258	50.395	ug/l	93
40) Benzene	8.457	78	634982	52.460	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	108453m	51.918	ug/l	
42) 1,2-Dichloroethane	8.528	62	266196	53.043	ug/l	95
43) Isopropyl Acetate	8.557	43	518201	53.695	ug/l #	92
44) Trichloroethene	9.216	130	146537	52.001	ug/l	92
45) 1,2-Dichloropropane	9.486	63	175319	53.601	ug/l	95
46) Dibromomethane	9.575	93	121353	53.074	ug/l #	81
47) Bromodichloromethane	9.757	83	256263	54.521	ug/l	98
48) Methyl methacrylate	9.557	41	226842	49.680	ug/l #	83
49) 1,4-Dioxane	9.563	88	85030	1018.749	ug/l #	89
51) 4-Methyl-2-Pentanone	10.327	43	1710643	272.175	ug/l	90
52) Toluene	10.504	92	391635	51.822	ug/l	98
53) t-1,3-Dichloropropene	10.716	75	264477	50.653	ug/l	97
54) cis-1,3-Dichloropropene	10.186	75	273931	50.775	ug/l #	84
55) 1,1,2-Trichloroethane	10.898	97	168709	51.731	ug/l	97
56) Ethyl methacrylate	10.757	69	303768	52.664	ug/l #	82
57) 1,3-Dichloropropane	11.039	76	301510	51.775	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	630918	274.457	ug/l	92
59) 2-Hexanone	11.080	43	1279297	276.807	ug/l	88
60) Dibromochloromethane	11.233	129	180581	53.348	ug/l	100
61) 1,2-Dibromoethane	11.345	107	170693	51.070	ug/l	100
64) Tetrachloroethene	10.975	164	124504	49.951	ug/l	89
65) Chlorobenzene	11.769	112	401281	50.864	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.839	131	162391	51.745	ug/l	99
67) Ethyl Benzene	11.839	91	772975	52.108	ug/l	99
68) m/p-Xylenes	11.951	106	556241	105.515	ug/l	90
69) o-Xylene	12.274	106	285144	53.809	ug/l	91
70) Styrene	12.292	104	455128	54.645	ug/l	94
71) Bromoform	12.457	173	119196	53.999	ug/l #	100
73) Isopropylbenzene	12.574	105	747550	50.233	ug/l	97
74) N-amyl acetate	12.386	43	392163	56.698	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.821	83	263531	51.013	ug/l	99
76) 1,2,3-Trichloropropane	12.880	75	226108m	50.504	ug/l	
77) Bromobenzene	12.857	156	148197	50.516	ug/l	67
78) n-propylbenzene	12.916	91	839617	51.673	ug/l	96
79) 2-Chlorotoluene	13.004	91	516119	50.633	ug/l	94
80) 1,3,5-Trimethylbenzene	13.057	105	606414	51.427	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.621	75	83275	48.645	ug/l	89
82) 4-Chlorotoluene	13.104	91	486318	51.657	ug/l	93
83) tert-Butylbenzene	13.321	119	526777	50.864	ug/l	89
84) 1,2,4-Trimethylbenzene	13.363	105	588632	52.172	ug/l	95
85) sec-Butylbenzene	13.498	105	738269	52.829	ug/l	97
86) p-Isopropyltoluene	13.616	119	581226	52.873	ug/l	94
87) 1,3-Dichlorobenzene	13.616	146	252934	50.762	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	248231	50.850	ug/l	96
89) n-Butylbenzene	13.939	91	481394	51.977	ug/l	96
90) Hexachloroethane	14.210	117	119628	50.279	ug/l	72
91) 1,2-Dichlorobenzene	13.986	146	250517	51.294	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.604	75	60514	48.494	ug/l	72
93) 1,2,4-Trichlorobenzene	15.262	180	122013	51.932	ug/l	97
94) Hexachlorobutadiene	15.368	225	51667	49.091	ug/l	98
95) Naphthalene	15.504	128	490918	53.854	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	124820	53.351	ug/l	95

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

