

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120922\
 Data File : VN075667.D
 Acq On : 09 Dec 2022 14:09
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/12/2022
 Supervised By : Mahesh Dadoda 12/12/2022

Quant Time: Dec 09 14:28:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 09 13:25:23 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	218338	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.106	114	347842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	317936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	118742	101.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 202.640%#			
35) Dibromofluoromethane	8.171	113	108364	79.304	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 158.600%#			
50) Toluene-d8	10.571	98	418342	135.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 271.860%#			
62) 4-Bromofluorobenzene	12.853	95	143962	63.375	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 126.740%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	79589	47.671	ug/l	98
3) Chloromethane	2.371	50	90415	43.523	ug/l	95
4) Vinyl Chloride	2.524	62	114946	43.904	ug/l	96
5) Bromomethane	2.942	94	97637	42.408	ug/l	92
6) Chloroethane	3.118	64	85805	43.252	ug/l	96
7) Trichlorofluoromethane	3.500	101	169326	45.271	ug/l	98
8) Diethyl Ether	3.977	74	62873	47.961	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.383	101	99571	48.223	ug/l	92
10) Methyl Iodide	4.600	142	164575	49.188	ug/l	95
11) Tert butyl alcohol	5.536	59	86186	175.176	ug/l	99
12) 1,1-Dichloroethene	4.353	96	95650	47.306	ug/l	94
13) Acrolein	4.189	56	101399	236.577	ug/l	99
14) Allyl chloride	5.036	41	121601m	46.495	ug/l	
15) Acrylonitrile	5.730	53	226542	200.698	ug/l	98
16) Acetone	4.442	43	183376	167.743	ug/l	97
17) Carbon Disulfide	4.718	76	245368	46.695	ug/l	100
18) Methyl Acetate	5.036	43	117163	36.204	ug/l	94
19) Methyl tert-butyl Ether	5.806	73	327700	45.751	ug/l	97
20) Methylene Chloride	5.283	84	110226	43.034	ug/l	92
21) trans-1,2-Dichloroethene	5.794	96	105977	45.991	ug/l	99
22) Diisopropyl ether	6.683	45	278246	46.621	ug/l	97
23) Vinyl Acetate	6.612	43	1080854m	227.636	ug/l	
24) 1,1-Dichloroethane	6.577	63	177380	46.302	ug/l	97
25) 2-Butanone	7.488	43	282675	185.210	ug/l	99
26) 2,2-Dichloropropane	7.500	77	153388	43.082	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	128408	49.282	ug/l	91
28) Bromochloromethane	7.818	49	73445	47.231	ug/l	83
29) Tetrahydrofuran	7.847	42	185469	199.781	ug/l	97
30) Chloroform	7.971	83	200514	45.579	ug/l	99
31) Cyclohexane	8.259	56	165579	44.467	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	187420	46.920	ug/l	97
36) 1,1-Dichloropropene	8.377	75	146634	49.208	ug/l	97
37) Ethyl Acetate	7.571	43	114850	42.804	ug/l	98
38) Carbon Tetrachloride	8.365	117	167638	51.211	ug/l	99
39) Methylcyclohexane	9.606	83	194305	52.100	ug/l	97
40) Benzene	8.612	78	443617	48.623	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	61102	44.542	ug/l	95
42) 1,2-Dichloroethane	8.677	62	147771	48.361	ug/l	95
43) Isopropyl Acetate	8.694	43	202822	47.093	ug/l	97
44) Trichloroethene	9.353	130	124577	49.902	ug/l	89
45) 1,2-Dichloropropane	9.624	63	104752	48.180	ug/l	98
46) Dibromomethane	9.712	93	80187	48.761	ug/l #	89
47) Bromodichloromethane	9.894	83	160933	50.534	ug/l	94
48) Methyl methacrylate	9.682	41	92322	46.359	ug/l	96
49) 1,4-Dioxane	9.694	88	44677	790.067	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	609888	222.335	ug/l	97
52) Toluene	10.629	92	302313	51.420	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	168824	52.805	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	181365	52.230	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	117317	48.993	ug/l	97
56) Ethyl methacrylate	10.876	69	168331	52.053	ug/l	98
57) 1,3-Dichloropropane	11.165	76	187982	48.145	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	256565	219.982	ug/l	96
59) 2-Hexanone	11.200	43	449573	218.260	ug/l	97
60) Dibromochloromethane	11.359	129	132856	54.052	ug/l	100
61) 1,2-Dibromoethane	11.470	107	122475	49.278	ug/l	100
64) Tetrachloroethene	11.106	164	111111	45.764	ug/l	90
65) Chlorobenzene	11.894	112	330660	50.360	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	123906	50.563	ug/l	99
67) Ethyl Benzene	11.965	91	584775	52.204	ug/l	95
68) m/p-Xylenes	12.076	106	474362	104.280	ug/l	100
69) o-Xylene	12.400	106	233130	51.581	ug/l	97
70) Styrene	12.412	104	384418	53.916	ug/l	98
71) Bromoform	12.582	173	101439	54.389	ug/l #	97
73) Isopropylbenzene	12.700	105	612931	50.229	ug/l	99
74) N-amyl acetate	12.494	43	185577	49.467	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	170359	45.792	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	164709m	52.157	ug/l	
77) Bromobenzene	12.982	156	148228	49.203	ug/l	84
78) n-propylbenzene	13.041	91	698904	51.321	ug/l	99
79) 2-Chlorotoluene	13.129	91	404590	49.309	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	527220	52.004	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	50191	47.025	ug/l	94
82) 4-Chlorotoluene	13.129	91	404590	49.309	ug/l	97
83) tert-Butylbenzene	13.441	119	463700	50.165	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	530904	52.207	ug/l	99
85) sec-Butylbenzene	13.617	105	667646	53.232	ug/l	100
86) p-Isopropyltoluene	13.729	119	569883	54.005	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	281545	49.325	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	283689	48.927	ug/l	98
89) n-Butylbenzene	14.059	91	461071	51.733	ug/l	98
90) Hexachloroethane	14.335	117	95735	52.589	ug/l	80
91) 1,2-Dichlorobenzene	14.111	146	279380	50.214	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31567	44.793	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	149444	52.414	ug/l	98
94) Hexachlorobutadiene	15.506	225	80153	53.970	ug/l	98
95) Naphthalene	15.647	128	431953	48.156	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	143738	51.292	ug/l	97

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

