

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010323\
 Data File : VN076071.D
 Acq On : 03 Jan 2023 18:39
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/04/2023
 Supervised By : Mahesh Dadoda 01/04/2023

Quant Time: Jan 04 04:21:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	333219	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	550787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	501833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	250451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	178710	49.298	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.600%		
35) Dibromofluoromethane	8.171	113	164916	48.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.700%		
50) Toluene-d8	10.571	98	582161	45.648	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.300%		
62) 4-Bromofluorobenzene	12.853	95	206231	48.824	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	157591	66.608	ug/l	98
3) Chloromethane	2.377	50	160702	54.623	ug/l	97
4) Vinyl Chloride	2.524	62	194211	55.340	ug/l	97
5) Bromomethane	2.947	94	155302	52.071	ug/l	100
6) Chloroethane	3.118	64	135797	52.253	ug/l	96
7) Trichlorofluoromethane	3.506	101	264370	49.645	ug/l	98
8) Diethyl Ether	3.971	74	99931	51.379	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.383	101	147292	48.439	ug/l	98
10) Methyl Iodide	4.600	142	252416	51.150	ug/l	100
11) Tert butyl alcohol	5.536	59	129009	251.505	ug/l	99
12) 1,1-Dichloroethene	4.353	96	145560	49.288	ug/l	98
13) Acrolein	4.194	56	136823	217.573	ug/l	97
14) Allyl chloride	5.036	41	166778	48.308	ug/l	89
15) Acrylonitrile	5.730	53	354860	253.506	ug/l	99
16) Acetone	4.441	43	273796	219.099	ug/l	99
17) Carbon Disulfide	4.724	76	349160	48.830	ug/l	96
18) Methyl Acetate	5.041	43	194179	52.568	ug/l	98
19) Methyl tert-butyl Ether	5.806	73	517897	53.252	ug/l	98
20) Methylene Chloride	5.289	84	167761	50.187	ug/l	95
21) trans-1,2-Dichloroethene	5.800	96	153441	47.442	ug/l	96
22) Diisopropyl ether	6.683	45	428336	51.073	ug/l	99
23) Vinyl Acetate	6.612	43	1448682	256.637	ug/l	99
24) 1,1-Dichloroethane	6.583	63	273183	48.842	ug/l	99
25) 2-Butanone	7.488	43	441926	252.568	ug/l	95
26) 2,2-Dichloropropane	7.500	77	217587	45.937	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	189205	48.913	ug/l	98
28) Bromochloromethane	7.824	49	108028	44.066	ug/l	99
29) Tetrahydrofuran	7.847	42	296868	270.739	ug/l	99
30) Chloroform	7.971	83	305748	48.551	ug/l	98
31) Cyclohexane	8.265	56	234358	45.140	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	271172	48.571	ug/l	96
36) 1,1-Dichloropropene	8.382	75	211550	46.689	ug/l	97
37) Ethyl Acetate	7.571	43	188650	51.833	ug/l	97
38) Carbon Tetrachloride	8.371	117	242600	47.838	ug/l	99
39) Methylcyclohexane	9.606	83	271776	49.717	ug/l	98
40) Benzene	8.612	78	674031	48.214	ug/l	97

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41) Methacrylonitrile	7.788	41	97251	51.406	ug/l	94
42) 1,2-Dichloroethane	8.677	62	222311	47.832	ug/l	99
43) Isopropyl Acetate	8.694	43	320117	53.319	ug/l	99
44) Trichloroethene	9.353	130	177509	45.071	ug/l	96
45) 1,2-Dichloropropane	9.624	63	157926	46.422	ug/l	100
46) Dibromomethane	9.712	93	124958	49.523	ug/l	99
47) Bromodichloromethane	9.894	83	236966	47.890	ug/l	97
48) Methyl methacrylate	9.682	41	145696	53.881	ug/l	98
49) 1,4-Dioxane	9.700	88	68718	1033.707	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	970146	267.197	ug/l	99
52) Toluene	10.635	92	435195	47.798	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	246887	50.971	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	270196	50.807	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	177233	49.594	ug/l	96
56) Ethyl methacrylate	10.876	69	259199	54.605	ug/l	98
57) 1,3-Dichloropropane	11.165	76	294297	50.205	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	380716	251.912	ug/l	100
59) 2-Hexanone	11.200	43	715663	270.281	ug/l	100
60) Dibromochloromethane	11.359	129	199425	50.179	ug/l	99
61) 1,2-Dibromoethane	11.470	107	184650	51.058	ug/l	100
64) Tetrachloroethene	11.106	164	166810	47.238	ug/l	99
65) Chlorobenzene	11.894	112	471658	45.792	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	183345	48.058	ug/l	99
67) Ethyl Benzene	11.965	91	843228	48.506	ug/l	100
68) m/p-Xylenes	12.070	106	669875	97.359	ug/l	99
69) o-Xylene	12.400	106	334255	49.090	ug/l	99
70) Styrene	12.412	104	548559	50.669	ug/l	100
71) Bromoform	12.582	173	145166	52.292	ug/l #	100
73) Isopropylbenzene	12.700	105	853188	47.141	ug/l	100
74) N-amyl acetate	12.494	43	284001	53.489	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	257714	46.062	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	224884m	44.545	ug/l	
77) Bromobenzene	12.982	156	209147	45.662	ug/l	99
78) n-propylbenzene	13.041	91	974514	48.819	ug/l	99
79) 2-Chlorotoluene	13.129	91	575112	46.154	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	725111	47.870	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	74414m	53.056	ug/l	
82) 4-Chlorotoluene	13.129	91	575112	46.154	ug/l	100
83) tert-Butylbenzene	13.441	119	666703	49.920	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	741527	49.346	ug/l	99
85) sec-Butylbenzene	13.617	105	919644	49.890	ug/l	99
86) p-Isopropyltoluene	13.735	119	778588	50.761	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	393342	46.490	ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	388757	44.978	ug/l	99
89) n-Butylbenzene	14.059	91	626955	50.455	ug/l	99
90) Hexachloroethane	14.335	117	134703	49.095	ug/l	100
91) 1,2-Dichlorobenzene	14.111	146	392335	47.077	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	47848	48.196	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	195762	47.447	ug/l	99
94) Hexachlorobutadiene	15.505	225	102333	45.460	ug/l	99
95) Naphthalene	15.641	128	618949	45.609	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	195103	50.594	ug/l	100

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

