

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031723\
 Data File : VN077057.D
 Acq On : 18 Mar 2023 01:04
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/20/2023
 Supervised By : Mahesh Dadoda 03/20/2023

Quant Time: Mar 18 02:39:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031723W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 18 02:17:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	344865	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	631566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	570496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	261168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	287482	52.188	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.380%			
35) Dibromofluoromethane	8.172	113	217461	49.167	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.340%			
50) Toluene-d8	10.572	98	831185	52.609	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.220%			
62) 4-Bromofluorobenzene	12.854	95	302210	54.131	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.260%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	221840	68.531	ug/l	98
3) Chloromethane	2.372	50	142986	41.151	ug/l	99
4) Vinyl Chloride	2.525	62	199467	53.183	ug/l	98
5) Bromomethane	2.949	94	140174	55.331	ug/l	94
6) Chloroethane	3.131	64	135983	57.299	ug/l	99
7) Trichlorofluoromethane	3.507	101	407235	50.472	ug/l	99
8) Diethyl Ether	3.972	74	159684	52.587	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	228134	49.845	ug/l	99
10) Methyl Iodide	4.601	142	270331	52.440	ug/l	96
11) Tert butyl alcohol	5.543	59	235891	293.872	ug/l	99
12) 1,1-Dichloroethene	4.354	96	214160	51.150	ug/l	98
13) Acrolein	4.196	56	247884	249.675	ug/l	99
14) Allyl chloride	5.037	41	428209	55.865	ug/l	93
15) Acrylonitrile	5.737	53	754263	279.510	ug/l	99
16) Acetone	4.443	43	616243	251.066	ug/l	99
17) Carbon Disulfide	4.725	76	600260	49.167	ug/l	99
18) Methyl Acetate	5.037	43	512038	55.321	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	798268	53.123	ug/l	98
20) Methylene Chloride	5.290	84	268216	50.350	ug/l	99
21) trans-1,2-Dichloroethene	5.795	96	233010	51.345	ug/l	93
22) Diisopropyl ether	6.684	45	903436	53.795	ug/l	98
23) Vinyl Acetate	6.619	43	2879220	271.685	ug/l	100
24) 1,1-Dichloroethane	6.578	63	495163	51.526	ug/l	99
25) 2-Butanone	7.495	43	998589	278.112	ug/l	100
26) 2,2-Dichloropropane	7.501	77	300614	41.574	ug/l	99
27) cis-1,2-Dichloroethene	7.495	96	277761	53.441	ug/l	97
28) Bromochloromethane	7.819	49	202261	48.465	ug/l	97
29) Tetrahydrofuran	7.848	42	683452	293.739	ug/l	100
30) Chloroform	7.972	83	481149	51.585	ug/l	99
31) Cyclohexane	8.266	56	460405	51.083	ug/l	97
32) 1,1,1-Trichloroethane	8.178	97	409060	51.312	ug/l	97
36) 1,1-Dichloropropene	8.378	75	358393	51.879	ug/l	99
37) Ethyl Acetate	7.566	43	395236	53.473	ug/l	99
38) Carbon Tetrachloride	8.366	117	347478	51.640	ug/l	98
39) Methylcyclohexane	9.607	83	430247	53.209	ug/l	100
40) Benzene	8.613	78	1085699	51.821	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	208122m	53.454	ug/l	
42) 1,2-Dichloroethane	8.678	62	389321	51.424	ug/l	100
43) Isopropyl Acetate	8.695	43	632748	54.800	ug/l	100
44) Trichloroethene	9.360	130	238036	49.463	ug/l	97
45) 1,2-Dichloropropane	9.625	63	290375	52.184	ug/l	98
46) Dibromomethane	9.713	93	182802	52.090	ug/l	99
47) Bromodichloromethane	9.895	83	379124	51.509	ug/l	98
48) Methyl methacrylate	9.689	41	320172	58.002	ug/l	99
49) 1,4-Dioxane	9.701	88	110342	1170.360	ug/l	98
51) 4-Methyl-2-Pentanone	10.448	43	2067346	287.520	ug/l	100
52) Toluene	10.636	92	667802	53.384	ug/l	100
53) t-1,3-Dichloropropene	10.842	75	381970	52.950	ug/l	100
54) cis-1,3-Dichloropropene	10.319	75	422864	51.953	ug/l	97
55) 1,1,2-Trichloroethane	11.019	97	261415	52.995	ug/l	97
56) Ethyl methacrylate	10.877	69	424237	57.193	ug/l	99
57) 1,3-Dichloropropane	11.166	76	471072	52.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	801631	253.494	ug/l	100
59) 2-Hexanone	11.201	43	1524150	292.252	ug/l	99
60) Dibromochloromethane	11.360	129	266697	53.823	ug/l	99
61) 1,2-Dibromoethane	11.472	107	256705	52.478	ug/l	99
64) Tetrachloroethene	11.107	164	194208	50.723	ug/l	97
65) Chlorobenzene	11.895	112	665849	50.726	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.966	131	244521	50.343	ug/l	100
67) Ethyl Benzene	11.966	91	1277071	53.562	ug/l	99
68) m/p-Xylenes	12.071	106	954201	107.912	ug/l	99
69) o-Xylene	12.401	106	472807	53.813	ug/l	100
70) Styrene	12.413	104	780409	57.052	ug/l	99
71) Bromoform	12.583	173	180573	54.865	ug/l #	98
73) Isopropylbenzene	12.701	105	1225106	52.344	ug/l	100
74) N-amyl acetate	12.495	43	550521	54.343	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	404172	47.665	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	376067m	55.669	ug/l	
77) Bromobenzene	12.983	156	261062	49.792	ug/l	98
78) n-propylbenzene	13.042	91	1455472	53.869	ug/l	100
79) 2-Chlorotoluene	13.130	91	881903	51.225	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	1045090	53.482	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	115903	47.225	ug/l	98
82) 4-Chlorotoluene	13.224	91	851442	52.008	ug/l	99
83) tert-Butylbenzene	13.442	119	871198	53.100	ug/l	99
84) 1,2,4-Trimethylbenzene	13.483	105	1045440	53.611	ug/l	99
85) sec-Butylbenzene	13.618	105	1270668	54.445	ug/l	100
86) p-Isopropyltoluene	13.736	119	1022297	54.545	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	486047	49.050	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	477890	48.472	ug/l	99
89) n-Butylbenzene	14.060	91	888521	54.039	ug/l	100
90) Hexachloroethane	14.336	117	189898	49.835	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	479226	48.518	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	80014	50.925	ug/l	99
93) 1,2,4-Trichlorobenzene	15.401	180	239674	53.676	ug/l	99
94) Hexachlorobutadiene	15.507	225	115582	47.002	ug/l	100
95) Naphthalene	15.648	128	853823	49.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.848	180	240866	53.760	ug/l	99

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

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