

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120623\
 Data File : VN080376.D
 Acq On : 06 Dec 2023 10:53
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2023
 Supervised By : Mahesh Dadoda 12/08/2023

Quant Time: Dec 07 00:54:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	225683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	345762	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	314412	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	155014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	182276	48.915	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.820%		
35) Dibromofluoromethane	8.165	113	134910	52.880	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.760%		
50) Toluene-d8	10.571	98	461599	50.191	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.380%		
62) 4-Bromofluorobenzene	12.853	95	177038	50.964	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	159728	47.514	ug/l	100
3) Chloromethane	2.365	50	115390	45.655	ug/l	97
4) Vinyl Chloride	2.518	62	128067	47.881	ug/l	100
5) Bromomethane	2.953	94	88115	48.528	ug/l	98
6) Chloroethane	3.118	64	85466	51.798	ug/l	100
7) Trichlorofluoromethane	3.500	101	280673	50.304	ug/l	99
8) Diethyl Ether	3.959	74	87380	53.849	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.377	101	126599	49.642	ug/l	92
10) Methyl Iodide	4.595	142	154260	55.970	ug/l	92
11) Tert butyl alcohol	5.512	59	98448	240.242	ug/l	98
12) 1,1-Dichloroethene	4.342	96	121434	50.909	ug/l	90
13) Acrolein	4.177	56	144137	397.449	ug/l	99
14) Allyl chloride	5.024	41	147077	49.008	ug/l	91
15) Acrylonitrile	5.718	53	278798	253.433	ug/l	99
16) Acetone	4.418	43	254036	202.969	ug/l	98
17) Carbon Disulfide	4.712	76	328896	46.179	ug/l	99
18) Methyl Acetate	5.024	43	193651	48.155	ug/l	97
19) Methyl tert-butyl Ether	5.794	73	463565	55.031	ug/l	96
20) Methylene Chloride	5.277	84	145631	55.562	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	136843	52.221	ug/l	86
22) Diisopropyl ether	6.671	45	351415	52.926	ug/l	99
23) Vinyl Acetate	6.600	43	1041285	260.862	ug/l	94
24) 1,1-Dichloroethane	6.571	63	248657	51.419	ug/l	100
25) 2-Butanone	7.483	43	320723	215.677	ug/l	94
26) 2,2-Dichloropropane	7.494	77	250281	52.165	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	160372	53.980	ug/l	90
28) Bromochloromethane	7.812	49	86754	45.632	ug/l	99
29) Tetrahydrofuran	7.835	42	198521	248.661	ug/l	94
30) Chloroform	7.965	83	291534	53.936	ug/l	93
31) Cyclohexane	8.259	56	175075	43.202	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	278100	52.758	ug/l	98
36) 1,1-Dichloropropene	8.371	75	195144	52.831	ug/l	96
37) Ethyl Acetate	7.559	43	130463	50.920	ug/l	96
38) Carbon Tetrachloride	8.365	117	259431	55.347	ug/l	95
39) Methylcyclohexane	9.600	83	185963	52.214	ug/l	96
40) Benzene	8.606	78	568449	54.148	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76805	54.587	ug/l	93
42) 1,2-Dichloroethane	8.671	62	245452	57.149	ug/l	96
43) Isopropyl Acetate	8.688	43	233420	46.817	ug/l	98
44) Trichloroethene	9.353	130	152713	55.456	ug/l	98
45) 1,2-Dichloropropane	9.624	63	134753	55.234	ug/l	97
46) Dibromomethane	9.712	93	103627	56.113	ug/l #	88
47) Bromodichloromethane	9.888	83	235196	57.897	ug/l	93
48) Methyl methacrylate	9.682	41	139271	54.204	ug/l	93
49) 1,4-Dioxane	9.688	88	40679	951.677	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	664388	257.388	ug/l	100
52) Toluene	10.629	92	368799	56.135	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	243080	58.241	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	250974	58.858	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	142851	56.969	ug/l	99
56) Ethyl methacrylate	10.876	69	154370	60.262	ug/l	93
57) 1,3-Dichloropropane	11.165	76	245992	56.188	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	345464	239.380	ug/l	100
59) 2-Hexanone	11.194	43	496361	239.303	ug/l	98
60) Dibromochloromethane	11.359	129	179112	59.663	ug/l	99
61) 1,2-Dibromoethane	11.471	107	145076	56.712	ug/l	97
64) Tetrachloroethene	11.106	164	149080	62.130	ug/l	99
65) Chlorobenzene	11.894	112	387514	54.393	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	161885	58.554	ug/l	93
67) Ethyl Benzene	11.965	91	701277	55.317	ug/l	95
68) m/p-Xylenes	12.071	106	523656	113.290	ug/l	88
69) o-Xylene	12.400	106	254727	58.476	ug/l	90
70) Styrene	12.412	104	380803	58.733	ug/l	92
71) Bromoform	12.576	173	121768	59.391	ug/l #	98
73) Isopropylbenzene	12.694	105	660310	54.817	ug/l	98
74) N-amyl acetate	12.494	43	184932	49.231	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	174624	48.436	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	173860m	45.775	ug/l	
77) Bromobenzene	12.982	156	166668	54.879	ug/l	94
78) n-propylbenzene	13.035	91	726872	53.963	ug/l	100
79) 2-Chlorotoluene	13.129	91	478528	54.698	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	569070	54.271	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	56319	50.098	ug/l #	84
82) 4-Chlorotoluene	13.223	91	486245	54.253	ug/l	97
83) tert-Butylbenzene	13.441	119	450827	53.614	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	577136	55.897	ug/l	97
85) sec-Butylbenzene	13.617	105	579444	54.472	ug/l	99
86) p-Isopropyltoluene	13.729	119	536429	56.452	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	290683	53.125	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	291406	52.995	ug/l	98
89) n-Butylbenzene	14.059	91	438042	55.075	ug/l	99
90) Hexachloroethane	14.335	117	94838	51.194	ug/l	69
91) 1,2-Dichlorobenzene	14.106	146	280633	53.597	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	39218	46.833	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	156133	51.270	ug/l	99
94) Hexachlorobutadiene	15.506	225	87001	49.644	ug/l	100
95) Naphthalene	15.647	128	421197	47.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	146157	51.204	ug/l	98

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

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