

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011823\
 Data File : VN076291.D
 Acq On : 18 Jan 2023 11:58
 Operator : JC\MD
 Sample : VN0118WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/19/2023
 Supervised By : Mahesh Dadoda 01/19/2023

Quant Time: Jan 19 00:46:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	378292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	605760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	531852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	246605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	208673	49.266	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.540%		
35) Dibromofluoromethane	8.171	113	191892	50.641	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.280%		
50) Toluene-d8	10.571	98	715031	51.095	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.180%		
62) 4-Bromofluorobenzene	12.853	95	239081	52.333	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.660%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	76852	19.825	ug/l	97
3) Chloromethane	2.371	50	75914	18.914	ug/l	96
4) Vinyl Chloride	2.530	62	99095	20.135	ug/l	99
5) Bromomethane	2.965	94	98415	24.419	ug/l	98
6) Chloroethane	3.130	64	88753	24.050	ug/l	96
7) Trichlorofluoromethane	3.512	101	125577	18.547	ug/l	99
8) Diethyl Ether	3.977	74	44293	19.504	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.389	101	73184	19.093	ug/l	99
10) Methyl Iodide	4.606	142	107929	18.434	ug/l	98
11) Tert butyl alcohol	5.536	59	58693	103.598	ug/l	99
12) 1,1-Dichloroethene	4.359	96	66236	18.280	ug/l	99
13) Acrolein	4.195	56	86605	127.823	ug/l	100
14) Allyl chloride	5.042	41	76387	18.091	ug/l	100
15) Acrylonitrile	5.730	53	159491	98.926	ug/l	99
16) Acetone	4.442	43	136296	100.334	ug/l	97
17) Carbon Disulfide	4.724	76	157910	17.503	ug/l	97
18) Methyl Acetate	5.042	43	84456	18.353	ug/l	98
19) Methyl tert-butyl Ether	5.812	73	228683	19.387	ug/l	99
20) Methylene Chloride	5.289	84	76127	18.568	ug/l	98
21) trans-1,2-Dichloroethene	5.800	96	71497	18.214	ug/l	95
22) Diisopropyl ether	6.683	45	189665	19.047	ug/l	98
23) Vinyl Acetate	6.612	43	634824	98.643	ug/l	99
24) 1,1-Dichloroethane	6.583	63	122244	18.417	ug/l	98
25) 2-Butanone	7.494	43	198305	95.623	ug/l	99
26) 2,2-Dichloropropane	7.494	77	108850	19.457	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	84836	18.530	ug/l	99
28) Bromochloromethane	7.824	49	50418	18.740	ug/l	99
29) Tetrahydrofuran	7.847	42	128482	100.382	ug/l	98
30) Chloroform	7.971	83	139445	18.987	ug/l	99
31) Cyclohexane	8.265	56	112920	17.354	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	126034	18.796	ug/l	96
36) 1,1-Dichloropropene	8.377	75	98131	18.225	ug/l	97
37) Ethyl Acetate	7.565	43	86249	19.992	ug/l	98
38) Carbon Tetrachloride	8.371	117	114185	19.016	ug/l	97
39) Methylcyclohexane	9.606	83	126875	19.295	ug/l	98
40) Benzene	8.612	78	300840	18.685	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	41942	18.547	ug/l	92
42) 1,2-Dichloroethane	8.677	62	102304	18.571	ug/l	100
43) Isopropyl Acetate	8.694	43	136129	19.375	ug/l	98
44) Trichloroethene	9.359	130	85156	18.700	ug/l	98
45) 1,2-Dichloropropane	9.624	63	71433	18.531	ug/l	95
46) Dibromomethane	9.712	93	54645	18.776	ug/l	99
47) Bromodichloromethane	9.888	83	106836	18.926	ug/l	99
48) Methyl methacrylate	9.682	41	63083	18.966	ug/l	97
49) 1,4-Dioxane	9.700	88	29863	425.494	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	417081	101.123	ug/l	100
52) Toluene	10.635	92	202336	18.792	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	106610	19.812	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	118304	19.110	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	79643	19.352	ug/l	97
56) Ethyl methacrylate	10.877	69	110416	20.781	ug/l	99
57) 1,3-Dichloropropane	11.165	76	128851	19.266	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	167154	93.190	ug/l	98
59) 2-Hexanone	11.200	43	306445	102.530	ug/l	99
60) Dibromochloromethane	11.365	129	87283	20.147	ug/l	100
61) 1,2-Dibromoethane	11.471	107	80467	19.588	ug/l	98
64) Tetrachloroethene	11.106	164	90883	18.949	ug/l	96
65) Chlorobenzene	11.894	112	218900	19.470	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	81014	19.367	ug/l	97
67) Ethyl Benzene	11.965	91	383824	19.948	ug/l	99
68) m/p-Xylenes	12.071	106	309942	40.171	ug/l	98
69) o-Xylene	12.400	106	152862	20.174	ug/l	100
70) Styrene	12.412	104	249675	20.637	ug/l	98
71) Bromoform	12.582	173	63328	20.964	ug/l #	98
73) Isopropylbenzene	12.700	105	399258	20.928	ug/l	100
74) N-amyl acetate	12.494	43	114930	20.944	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	110244	20.102	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	100471m	21.830	ug/l	
77) Bromobenzene	12.982	156	96507	21.315	ug/l	96
78) n-propylbenzene	13.035	91	443878	20.621	ug/l	100
79) 2-Chlorotoluene	13.123	91	265700	20.115	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	336437	21.051	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	30745	20.743	ug/l	88
82) 4-Chlorotoluene	13.123	91	265700	20.115	ug/l	100
83) tert-Butylbenzene	13.441	119	306934	21.593	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	335712	20.948	ug/l	100
85) sec-Butylbenzene	13.618	105	415603	21.071	ug/l	99
86) p-Isopropyltoluene	13.735	119	344122	21.217	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	172825	19.220	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	170217	19.961	ug/l	99
89) n-Butylbenzene	14.059	91	257918	20.032	ug/l	99
90) Hexachloroethane	14.335	117	58331	20.837	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	168355	18.798	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	19687	20.651	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	76519	18.526	ug/l	100
94) Hexachlorobutadiene	15.506	225	42361	17.824	ug/l	98
95) Naphthalene	15.647	128	226647	18.877	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	72883	18.415	ug/l	99

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

