

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011323\
 Data File : VN076239.D
 Acq On : 13 Jan 2023 11:16
 Operator : JC\MD
 Sample : VN0113WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0113WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/16/2023
 Supervised By : Mahesh Dadoda 01/16/2023

Quant Time: Jan 16 01:03:56 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	8.230	168	351992	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	558553	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	489826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	221391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	187282	48.907	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.820%		
35) Dibromofluoromethane	8.171	113	172194	49.781	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.560%		
50) Toluene-d8	10.571	98	607651	46.985	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.960%		
62) 4-Bromofluorobenzene	12.853	95	203391	47.482	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	59837	23.942	ug/l	98
3) Chloromethane	2.371	50	62144	19.996	ug/l	98
4) Vinyl Chloride	2.524	62	77262	20.841	ug/l	97
5) Bromomethane	2.965	94	65731	20.863	ug/l	97
6) Chloroethane	3.130	64	60797	22.146	ug/l	95
7) Trichlorofluoromethane	3.506	101	109351	19.440	ug/l	99
8) Diethyl Ether	3.971	74	39726	19.336	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.389	101	64386	20.045	ug/l	99
10) Methyl Iodide	4.606	142	90306	17.324	ug/l	97
11) Tert butyl alcohol	5.536	59	52405	96.715	ug/l	100
12) 1,1-Dichloroethene	4.353	96	57962	18.580	ug/l	99
13) Acrolein	4.195	56	61595	92.723	ug/l	97
14) Allyl chloride	5.036	41	74634	20.465	ug/l	97
15) Acrylonitrile	5.736	53	145817	98.614	ug/l	99
16) Acetone	4.442	43	129272	97.930	ug/l	97
17) Carbon Disulfide	4.730	76	124431	16.474	ug/l	99
18) Methyl Acetate	5.036	43	84879	21.753	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	210672	20.507	ug/l	99
20) Methylene Chloride	5.295	84	68339	18.955	ug/l	92
21) trans-1,2-Dichloroethene	5.800	96	61093	17.882	ug/l	88
22) Diisopropyl ether	6.683	45	175234	19.780	ug/l	97
23) Vinyl Acetate	6.618	43	567241	95.129	ug/l	96
24) 1,1-Dichloroethane	6.583	63	112316	19.010	ug/l	99
25) 2-Butanone	7.494	43	192709	104.262	ug/l	96
26) 2,2-Dichloropropane	7.506	77	95587	19.104	ug/l	95
27) cis-1,2-Dichloroethene	7.500	96	75266	18.420	ug/l	96
28) Bromochloromethane	7.818	49	45057	17.399	ug/l	97
29) Tetrahydrofuran	7.847	42	122295	105.583	ug/l	96
30) Chloroform	7.971	83	124416	18.703	ug/l	93
31) Cyclohexane	8.265	56	96682	17.629	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	113153	19.186	ug/l	96
36) 1,1-Dichloropropene	8.377	75	87381	19.017	ug/l	99
37) Ethyl Acetate	7.571	43	78159	21.176	ug/l	99
38) Carbon Tetrachloride	8.371	117	100122	19.468	ug/l	98
39) Methylcyclohexane	9.606	83	106004	19.122	ug/l	100
40) Benzene	8.612	78	267496	18.868	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	38992	20.324	ug/l	94
42) 1,2-Dichloroethane	8.677	62	92623	19.652	ug/l	100
43) Isopropyl Acetate	8.694	43	124427	20.437	ug/l	99
44) Trichloroethene	9.359	130	73029	18.285	ug/l	98
45) 1,2-Dichloropropane	9.630	63	66810	19.366	ug/l	97
46) Dibromomethane	9.718	93	47945	18.737	ug/l	98
47) Bromodichloromethane	9.894	83	94838	18.900	ug/l	96
48) Methyl methacrylate	9.688	41	58330	21.271	ug/l	97
49) 1,4-Dioxane	9.694	88	25900	384.190	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	389179	105.697	ug/l	98
52) Toluene	10.635	92	178179	19.298	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	93637	19.063	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	103530	19.197	ug/l	96
55) 1,1,2-Trichloroethane	11.024	97	70786	19.532	ug/l	97
56) Ethyl methacrylate	10.877	69	96471	20.041	ug/l	97
57) 1,3-Dichloropropane	11.165	76	114946	19.336	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	164755	107.499	ug/l	100
59) 2-Hexanone	11.200	43	283951	105.747	ug/l	98
60) Dibromochloromethane	11.359	129	75933	18.840	ug/l	99
61) 1,2-Dibromoethane	11.471	107	69634	18.987	ug/l	98
64) Tetrachloroethene	11.106	164	77043	22.352	ug/l	96
65) Chlorobenzene	11.894	112	189115	18.811	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	71592	19.225	ug/l	98
67) Ethyl Benzene	11.965	91	331940	19.563	ug/l	100
68) m/p-Xylenes	12.071	106	263121	39.179	ug/l	100
69) o-Xylene	12.400	106	130504	19.636	ug/l	98
70) Styrene	12.418	104	206934	19.583	ug/l	100
71) Bromoform	12.582	173	53146	19.614	ug/l #	99
73) Isopropylbenzene	12.700	105	336039	21.004	ug/l	100
74) N-amyl acetate	12.500	43	99369	21.172	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	97773	19.769	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	79272m	17.763	ug/l	
77) Bromobenzene	12.982	156	77407	19.118	ug/l	98
78) n-propylbenzene	13.041	91	371308	21.042	ug/l	99
79) 2-Chlorotoluene	13.129	91	218382	19.826	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	281904	21.053	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	25620	20.664	ug/l	93
82) 4-Chlorotoluene	13.129	91	218382	19.826	ug/l	99
83) tert-Butylbenzene	13.441	119	256571	21.733	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	272422	20.508	ug/l	99
85) sec-Butylbenzene	13.618	105	342090	20.994	ug/l	98
86) p-Isopropyltoluene	13.735	119	282936	20.868	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	141803	18.960	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	140224	18.353	ug/l	99
89) n-Butylbenzene	14.059	91	209969	19.115	ug/l	100
90) Hexachloroethane	14.335	117	47603	19.627	ug/l	100
91) 1,2-Dichlorobenzene	14.112	146	139504	18.937	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15533	17.700	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	59544	16.326	ug/l	97
94) Hexachlorobutadiene	15.506	225	35987	18.085	ug/l	100
95) Naphthalene	15.647	128	182323	16.650	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	59534	17.465	ug/l	98

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

