

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062723\
 Data File : VN078415.D
 Acq On : 27 Jun 2023 14:01
 Operator : JC\MD
 Sample : VN0627WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0627WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/28/2023
 Supervised By : Mahesh Dadoda 06/28/2023

Quant Time: Jun 28 07:08:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	391003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	693997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	598304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	218820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	276375	53.014	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.020%			
35) Dibromofluoromethane	8.171	113	234541	53.450	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.900%			
50) Toluene-d8	10.571	98	861522	50.928	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.860%			
62) 4-Bromofluorobenzene	12.853	95	271642	51.654	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	72361	16.372	ug/l	93
3) Chloromethane	2.371	50	84587	19.220	ug/l	97
4) Vinyl Chloride	2.518	62	128098	22.133	ug/l	97
5) Bromomethane	2.965	94	91750	20.977	ug/l	94
6) Chloroethane	3.124	64	93853	23.788	ug/l	98
7) Trichlorofluoromethane	3.501	101	150493	19.175	ug/l	99
8) Diethyl Ether	3.971	74	54114	19.623	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.389	101	85770	20.707	ug/l	96
10) Methyl Iodide	4.595	142	110534	18.870	ug/l	99
11) Tert butyl alcohol	5.536	59	74803	103.916	ug/l	99
12) 1,1-Dichloroethene	4.348	96	80291	18.805	ug/l	87
13) Acrolein	4.195	56	66762	84.151	ug/l	95
14) Allyl chloride	5.036	41	103085	19.778	ug/l	94
15) Acrylonitrile	5.736	53	198023	106.701	ug/l	98
16) Acetone	4.442	43	161655	107.729	ug/l	91
17) Carbon Disulfide	4.724	76	198843	18.093	ug/l	100
18) Methyl Acetate	5.036	43	140122	20.282	ug/l	92
19) Methyl tert-butyl Ether	5.800	73	274702	20.165	ug/l	98
20) Methylene Chloride	5.289	84	100419	20.251	ug/l	90
21) trans-1,2-Dichloroethene	5.795	96	87017	18.895	ug/l #	83
22) Diisopropyl ether	6.677	45	263463	21.489	ug/l	91
23) Vinyl Acetate	6.612	43	764083	104.843	ug/l #	89
24) 1,1-Dichloroethane	6.583	63	169925	21.010	ug/l	96
25) 2-Butanone	7.494	43	253243	109.745	ug/l #	86
26) 2,2-Dichloropropane	7.494	77	142202	23.813	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	107075	19.492	ug/l	94
28) Bromochloromethane	7.824	49	81271	21.886	ug/l	92
29) Tetrahydrofuran	7.847	42	164853	106.866	ug/l #	83
30) Chloroform	7.971	83	186669	21.434	ug/l	87
31) Cyclohexane	8.265	56	128627	19.234	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	159398	20.848	ug/l	99
36) 1,1-Dichloropropene	8.383	75	134793	21.416	ug/l	96
37) Ethyl Acetate	7.571	43	104128	21.177	ug/l	96
38) Carbon Tetrachloride	8.371	117	142112	21.383	ug/l	93
39) Methylcyclohexane	9.606	83	116435	17.850	ug/l	93
40) Benzene	8.612	78	390708	20.793	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	58460	21.935	ug/l	91
42) 1,2-Dichloroethane	8.677	62	139603	21.668	ug/l	99
43) Isopropyl Acetate	8.700	43	185545	19.731	ug/l	94
44) Trichloroethene	9.359	130	102621	20.680	ug/l	96
45) 1,2-Dichloropropane	9.630	63	100413	21.478	ug/l	99
46) Dibromomethane	9.712	93	74292	21.574	ug/l	98
47) Bromodichloromethane	9.894	83	140491	21.964	ug/l	96
48) Methyl methacrylate	9.688	41	82834	20.991	ug/l	90
49) 1,4-Dioxane	9.700	88	36126	435.561	ug/l #	96
51) 4-Methyl-2-Pentanone	10.453	43	542134	109.483	ug/l	93
52) Toluene	10.635	92	250686	21.130	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	145084	21.779	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	158576	21.534	ug/l	94
55) 1,1,2-Trichloroethane	11.024	97	103147	22.983	ug/l	99
56) Ethyl methacrylate	10.877	69	134198	20.536	ug/l #	90
57) 1,3-Dichloropropane	11.171	76	164780	21.751	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	262168	99.310	ug/l	95
59) 2-Hexanone	11.200	43	379995	110.211	ug/l	88
60) Dibromochloromethane	11.365	129	105868	21.557	ug/l	99
61) 1,2-Dibromoethane	11.477	107	100046	21.242	ug/l	100
64) Tetrachloroethene	11.106	164	87949	22.034	ug/l	94
65) Chlorobenzene	11.900	112	259596	20.260	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	100428	21.310	ug/l	98
67) Ethyl Benzene	11.971	91	450200	20.363	ug/l	98
68) m/p-Xylenes	12.076	106	340427	40.404	ug/l	99
69) o-Xylene	12.406	106	166979	20.181	ug/l	98
70) Styrene	12.418	104	262127	20.123	ug/l	97
71) Bromoform	12.588	173	65763	21.624	ug/l #	98
73) Isopropylbenzene	12.700	105	412388	19.930	ug/l	99
74) N-amyl acetate	12.500	43	137286	20.147	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	134520	22.280	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	111434m	21.542	ug/l	
77) Bromobenzene	12.982	156	101164	21.061	ug/l	94
78) n-propylbenzene	13.041	91	449242	19.983	ug/l	100
79) 2-Chlorotoluene	13.129	91	288307	19.867	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	325714	19.442	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	42315	25.132	ug/l	95
82) 4-Chlorotoluene	13.229	91	272055	20.087	ug/l	99
83) tert-Butylbenzene	13.447	119	272017	18.679	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	328123	20.202	ug/l	98
85) sec-Butylbenzene	13.618	105	342227	17.955	ug/l	99
86) p-Isopropyltoluene	13.735	119	273994	17.714	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	157351	19.366	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	151339	19.303	ug/l	98
89) n-Butylbenzene	14.059	91	203724	16.699	ug/l	97
90) Hexachloroethane	14.341	117	51502	18.762	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	159651	20.105	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	21069	20.556	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	43926	15.525	ug/l	97
94) Hexachlorobutadiene	15.512	225	29399	19.568	ug/l	99
95) Naphthalene	15.647	128	131454	13.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	51350	16.228	ug/l	97

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

