

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021623\
 Data File : VN076704.D
 Acq On : 16 Feb 2023 12:15
 Operator : JC\MD
 Sample : VN0216WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0216WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2023
 Supervised By : Mahesh Dadoda 02/18/2023

Quant Time: Feb 17 00:07:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	262815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	471173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	443178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	211999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	210570	58.023	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.040%			
35) Dibromofluoromethane	8.178	113	164179	53.208	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.420%			
50) Toluene-d8	10.572	98	633215	54.950	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.900%			
62) 4-Bromofluorobenzene	12.848	95	215064	56.350	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.700%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	56853	20.373	ug/l	96
3) Chloromethane	2.372	50	71011	19.504	ug/l	100
4) Vinyl Chloride	2.525	62	72745	20.301	ug/l	97
5) Bromomethane	2.960	94	47280	21.776	ug/l	83
6) Chloroethane	3.131	64	52146	23.027	ug/l	98
7) Trichlorofluoromethane	3.513	101	93734	19.225	ug/l	98
8) Diethyl Ether	3.978	74	40113	21.351	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.384	101	59540	20.784	ug/l	98
10) Methyl Iodide	4.601	142	68701	19.419	ug/l	96
11) Tert butyl alcohol	5.542	59	57751	120.559	ug/l	99
12) 1,1-Dichloroethene	4.348	96	51811	19.099	ug/l	93
13) Acrolein	4.190	56	79498	110.542	ug/l	98
14) Allyl chloride	5.031	41	98658	20.990	ug/l	96
15) Acrylonitrile	5.731	53	191349	112.556	ug/l	99
16) Acetone	4.448	43	164644	101.565	ug/l	93
17) Carbon Disulfide	4.725	76	134580	18.790	ug/l	100
18) Methyl Acetate	5.043	43	122673	23.183	ug/l	98
19) Methyl tert-butyl Ether	5.813	73	201533	22.036	ug/l #	90
20) Methylene Chloride	5.295	84	68869	20.271	ug/l	95
21) trans-1,2-Dichloroethene	5.801	96	58333	19.103	ug/l	88
22) Diisopropyl ether	6.684	45	238015	21.590	ug/l	97
23) Vinyl Acetate	6.613	43	802948	123.098	ug/l	97
24) 1,1-Dichloroethane	6.578	63	121967	20.186	ug/l	97
25) 2-Butanone	7.489	43	261669	109.430	ug/l	94
26) 2,2-Dichloropropane	7.501	77	90473	20.760	ug/l	97
27) cis-1,2-Dichloroethene	7.501	96	71388	19.710	ug/l	94
28) Bromochloromethane	7.819	49	65044	22.619	ug/l	89
29) Tetrahydrofuran	7.848	42	179748	115.054	ug/l	99
30) Chloroform	7.972	83	124837	20.679	ug/l	97
31) Cyclohexane	8.266	56	116915	20.538	ug/l #	87
32) 1,1,1-Trichloroethane	8.178	97	102254	20.146	ug/l	94
36) 1,1-Dichloropropene	8.378	75	87200	19.559	ug/l	98
37) Ethyl Acetate	7.572	43	109109	23.261	ug/l	97
38) Carbon Tetrachloride	8.366	117	85109	18.924	ug/l	98
39) Methylcyclohexane	9.607	83	106425	21.001	ug/l	96
40) Benzene	8.613	78	280572	20.493	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	57477	21.152	ug/l	94
42) 1,2-Dichloroethane	8.678	62	100929	21.137	ug/l	99
43) Isopropyl Acetate	8.695	43	171275	22.440	ug/l	99
44) Trichloroethene	9.360	130	62679	19.373	ug/l	98
45) 1,2-Dichloropropane	9.630	63	72477	19.998	ug/l	99
46) Dibromomethane	9.707	93	48939	21.122	ug/l	97
47) Bromodichloromethane	9.889	83	96940	20.868	ug/l	97
48) Methyl methacrylate	9.683	41	78115	21.567	ug/l	97
49) 1,4-Dioxane	9.701	88	31786	507.337	ug/l	95
51) 4-Methyl-2-Pentanone	10.448	43	563682	116.072	ug/l	99
52) Toluene	10.636	92	171714	20.774	ug/l	93
53) t-1,3-Dichloropropene	10.842	75	96339	21.487	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	107735	20.831	ug/l	92
55) 1,1,2-Trichloroethane	11.019	97	71993	21.419	ug/l	96
56) Ethyl methacrylate	10.877	69	104575	22.104	ug/l	93
57) 1,3-Dichloropropane	11.166	76	124535	21.566	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.166	63	227199	104.859	ug/l	99
59) 2-Hexanone	11.195	43	405960	115.936	ug/l	99
60) Dibromochloromethane	11.366	129	73484	20.744	ug/l	99
61) 1,2-Dibromoethane	11.471	107	69967	20.797	ug/l	98
64) Tetrachloroethene	11.107	164	52136	18.668	ug/l	92
65) Chlorobenzene	11.895	112	185200	19.719	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.966	131	66947	19.624	ug/l	99
67) Ethyl Benzene	11.966	91	328888	20.554	ug/l	97
68) m/p-Xylenes	12.077	106	258508	41.913	ug/l	97
69) o-Xylene	12.401	106	123875	20.593	ug/l	97
70) Styrene	12.413	104	206478	21.227	ug/l	99
71) Bromoform	12.583	173	51183	20.454	ug/l #	93
73) Isopropylbenzene	12.701	105	323438	20.815	ug/l	97
74) N-amyl acetate	12.501	43	152159	21.725	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.942	83	113396	20.161	ug/l	97
76) 1,2,3-Trichloropropane	13.001	75	98764m	23.043	ug/l	
77) Bromobenzene	12.983	156	75936	19.587	ug/l	94
78) n-propylbenzene	13.036	91	389894	21.368	ug/l	98
79) 2-Chlorotoluene	13.130	91	232305	20.793	ug/l	96
80) 1,3,5-Trimethylbenzene	13.177	105	269988	21.024	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.742	75	31223	21.218	ug/l	91
82) 4-Chlorotoluene	13.130	91	232305	20.793	ug/l	96
83) tert-Butylbenzene	13.442	119	239203	20.590	ug/l	98
84) 1,2,4-Trimethylbenzene	13.489	105	279254	21.819	ug/l	99
85) sec-Butylbenzene	13.618	105	353370	21.787	ug/l	98
86) p-Isopropyltoluene	13.730	119	280447	21.653	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	146107	19.937	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	146720	20.104	ug/l	99
89) n-Butylbenzene	14.060	91	241751	21.461	ug/l	95
90) Hexachloroethane	14.336	117	49640	18.305	ug/l	97
91) 1,2-Dichlorobenzene	14.107	146	146314	19.475	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.724	75	21077	19.342	ug/l	89
93) 1,2,4-Trichlorobenzene	15.395	180	74147	19.785	ug/l	96
94) Hexachlorobutadiene	15.501	225	35563	19.361	ug/l	98
95) Naphthalene	15.642	128	240071	21.110	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	72808	20.053	ug/l	99

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

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