

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073678.D
 Acq On : 02 Aug 2022 11:22
 Operator : JC\MD
 Sample : VN0802WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0802WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/03/2022
 Supervised By : Mahesh Dadoda 08/03/2022

Quant Time: Aug 03 02:02:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	382998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	616472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	571966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	274194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	245588	52.617	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.240%			
35) Dibromofluoromethane	7.945	113	212753	54.960	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.920%			
50) Toluene-d8	10.380	98	845835	55.526	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 111.060%			
62) 4-Bromofluorobenzene	12.668	95	265480	51.802	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	67875	18.271	ug/l	98
3) Chloromethane	2.269	50	91725	18.990	ug/l	95
4) Vinyl Chloride	2.404	62	112362	17.294	ug/l	100
5) Bromomethane	2.804	94	77174	20.481	ug/l	98
6) Chloroethane	2.969	64	82524	20.523	ug/l	100
7) Trichlorofluoromethane	3.316	101	122741	18.331	ug/l	99
8) Diethyl Ether	3.763	74	46725	18.584	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.145	101	73531	19.849	ug/l	99
10) Methyl Iodide	4.345	142	76316	20.264	ug/l	97
11) Tert butyl alcohol	5.287	59	90342	89.749	ug/l	100
12) 1,1-Dichloroethene	4.116	96	68296	18.795	ug/l	93
13) Acrolein	3.981	56	114779	115.016	ug/l	98
14) Allyl chloride	4.757	41	103649	17.841	ug/l	95
15) Acrylonitrile	5.475	53	264787	95.095	ug/l	98
16) Acetone	4.222	43	214795	85.681	ug/l	100
17) Carbon Disulfide	4.457	76	171665	17.817	ug/l	98
18) Methyl Acetate	4.775	43	116362	18.657	ug/l	97
19) Methyl tert-butyl Ether	5.534	73	244754	19.716	ug/l	100
20) Methylene Chloride	5.016	84	85456	19.737	ug/l	97
21) trans-1,2-Dichloroethene	5.516	96	75760	19.260	ug/l	96
22) Diisopropyl ether	6.410	45	243009	19.388	ug/l	97
23) Vinyl Acetate	6.345	43	1027460	97.774	ug/l	100
24) 1,1-Dichloroethane	6.298	63	142541	18.486	ug/l	98
25) 2-Butanone	7.257	43	350061	89.916	ug/l	98
26) 2,2-Dichloropropane	7.245	77	115847	19.527	ug/l	100
27) cis-1,2-Dichloroethene	7.251	96	95927	19.793	ug/l	94
28) Bromochloromethane	7.581	49	66813	20.636	ug/l	96
29) Tetrahydrofuran	7.604	42	234102	95.107	ug/l	99
30) Chloroform	7.745	83	152860	19.027	ug/l	100
31) Cyclohexane	8.016	56	129988	18.706	ug/l	95
32) 1,1,1-Trichloroethane	7.939	97	130489	19.562	ug/l	98
36) 1,1-Dichloropropene	8.151	75	111119	20.141	ug/l	100
37) Ethyl Acetate	7.333	43	136279	18.756	ug/l	99
38) Carbon Tetrachloride	8.133	117	110521	19.724	ug/l	99
39) Methylcyclohexane	9.398	83	135433	20.542	ug/l	97
40) Benzene	8.386	78	355310	19.832	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	60054	18.265	ug/l	95
42) 1,2-Dichloroethane	8.463	62	117200	19.410	ug/l	100
43) Isopropyl Acetate	8.492	43	190660	19.427	ug/l	99
44) Trichloroethene	9.151	130	90930	20.014	ug/l	98
45) 1,2-Dichloropropane	9.427	63	87728	19.590	ug/l	99
46) Dibromomethane	9.510	93	62941	20.251	ug/l	99
47) Bromodichloromethane	9.698	83	117453	19.690	ug/l	96
48) Methyl methacrylate	9.498	41	90456	21.057	ug/l	95
49) 1,4-Dioxane	9.504	88	46178	381.338	ug/l	93
51) 4-Methyl-2-Pentanone	10.269	43	697387	99.075	ug/l	100
52) Toluene	10.445	92	226329	20.682	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	121450	20.609	ug/l	100
54) cis-1,3-Dichloropropene	10.127	75	135594	20.418	ug/l	99
55) 1,1,2-Trichloroethane	10.839	97	95074	20.834	ug/l	98
56) Ethyl methacrylate	10.704	69	135040	21.471	ug/l	97
57) 1,3-Dichloropropane	10.986	76	155881	20.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	302726	97.280	ug/l	99
59) 2-Hexanone	11.027	43	531464	99.655	ug/l	99
60) Dibromochloromethane	11.174	129	94104	20.728	ug/l	99
61) 1,2-Dibromoethane	11.286	107	93736	19.944	ug/l	100
64) Tetrachloroethene	10.916	164	88369	19.441	ug/l	98
65) Chlorobenzene	11.710	112	240162	19.768	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	89494	20.538	ug/l	98
67) Ethyl Benzene	11.786	91	421712	20.575	ug/l	98
68) m/p-Xylenes	11.892	106	332318	42.511	ug/l	100
69) o-Xylene	12.221	106	161102	21.139	ug/l	98
70) Styrene	12.233	104	263401	21.591	ug/l	98
71) Bromoform	12.398	173	73612	20.466	ug/l #	98
73) Isopropylbenzene	12.515	105	416514	20.751	ug/l	99
74) N-amyl acetate	12.327	43	148042	19.521	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.768	83	143423	18.517	ug/l	99
76) 1,2,3-Trichloropropane	12.821	75	121432m	22.395	ug/l	
77) Bromobenzene	12.798	156	104237	19.942	ug/l	97
78) n-propylbenzene	12.863	91	478227	21.175	ug/l	99
79) 2-Chlorotoluene	12.945	91	286262	20.308	ug/l	98
80) 1,3,5-Trimethylbenzene	12.998	105	348070	21.072	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.568	75	41646	19.683	ug/l	98
82) 4-Chlorotoluene	13.045	91	273253	20.454	ug/l	99
83) tert-Butylbenzene	13.263	119	301246	20.590	ug/l	99
84) 1,2,4-Trimethylbenzene	13.310	105	356336	21.939	ug/l	98
85) sec-Butylbenzene	13.439	105	432123	21.370	ug/l	100
86) p-Isopropyltoluene	13.557	119	354116	22.214	ug/l	99
87) 1,3-Dichlorobenzene	13.557	146	188679	19.776	ug/l	98
88) 1,4-Dichlorobenzene	13.633	146	189320	19.832	ug/l	99
89) n-Butylbenzene	13.880	91	272969	21.046	ug/l	98
90) Hexachloroethane	14.151	117	62690	19.821	ug/l	100
91) 1,2-Dichlorobenzene	13.927	146	193116	19.974	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	29999	19.277	ug/l	94
93) 1,2,4-Trichlorobenzene	15.198	180	100793	20.993	ug/l	98
94) Hexachlorobutadiene	15.298	225	53437	20.473	ug/l	99
95) Naphthalene	15.433	128	332262	21.326	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	103370	20.457	ug/l	99

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

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