

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122322\
 Data File : VN075960.D
 Acq On : 23 Dec 2022 12:45
 Operator : JC\MD
 Sample : VN1223WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1223WBSD01

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/27/2022
 Supervised By :Mahesh Dadoda 12/27/2022

Quant Time: Dec 26 04:31:12 2022
 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	280926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	457766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	413311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	198577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	165043	54.002	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.000%			
35) Dibromofluoromethane	8.177	113	147578	52.058	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.120%			
50) Toluene-d8	10.571	98	550480	51.936	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.880%			
62) 4-Bromofluorobenzene	12.853	95	183660	52.316	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	36169	18.133	ug/l	96
3) Chloromethane	2.377	50	43346	17.476	ug/l	96
4) Vinyl Chloride	2.530	62	54075	18.277	ug/l	95
5) Bromomethane	2.959	94	44887	17.851	ug/l	99
6) Chloroethane	3.130	64	42820	19.544	ug/l	93
7) Trichlorofluoromethane	3.506	101	83419	18.581	ug/l	97
8) Diethyl Ether	3.977	74	32329	19.716	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.389	101	50046	19.522	ug/l	98
10) Methyl Iodide	4.600	142	73626	17.697	ug/l	99
11) Tert butyl alcohol	5.542	59	45619	105.490	ug/l	98
12) 1,1-Dichloroethene	4.353	96	44516	17.879	ug/l	99
13) Acrolein	4.195	56	46011	86.785	ug/l	98
14) Allyl chloride	5.036	41	60055m	20.633	ug/l	
15) Acrylonitrile	5.736	53	126222	106.956	ug/l	99
16) Acetone	4.442	43	102572	97.360	ug/l	94
17) Carbon Disulfide	4.724	76	95338	15.815	ug/l #	95
18) Methyl Acetate	5.042	43	68005	21.837	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	171328	20.896	ug/l	99
20) Methylene Chloride	5.289	84	55961	19.465	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	49551	18.172	ug/l	97
22) Diisopropyl ether	6.689	45	146111	20.665	ug/l	97
23) Vinyl Acetate	6.618	43	486067m	102.136	ug/l	
24) 1,1-Dichloroethane	6.577	63	92901	19.701	ug/l	98
25) 2-Butanone	7.494	43	160434	108.758	ug/l	94
26) 2,2-Dichloropropane	7.494	77	75296	18.856	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	62119	19.048	ug/l	97
28) Bromochloromethane	7.818	49	39888	19.299	ug/l	98
29) Tetrahydrofuran	7.853	42	104776	113.341	ug/l	98
30) Chloroform	7.977	83	103043	19.408	ug/l	93
31) Cyclohexane	8.259	56	76738	17.532	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	92070	19.561	ug/l	95
36) 1,1-Dichloropropene	8.383	75	68794	18.268	ug/l	98
37) Ethyl Acetate	7.571	43	61531	20.342	ug/l	99
38) Carbon Tetrachloride	8.371	117	81623	19.366	ug/l	96
39) Methylcyclohexane	9.606	83	86696	19.082	ug/l	99
40) Benzene	8.612	78	224699	19.339	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	32627	20.751	ug/l	94
42) 1,2-Dichloroethane	8.677	62	76746	19.868	ug/l	98
43) Isopropyl Acetate	8.694	43	104849	21.013	ug/l	99
44) Trichloroethene	9.359	130	59891	18.297	ug/l	97
45) 1,2-Dichloropropane	9.630	63	56109	19.845	ug/l	97
46) Dibromomethane	9.718	93	41073	19.586	ug/l	98
47) Bromodichloromethane	9.894	83	81253	19.758	ug/l	97
48) Methyl methacrylate	9.688	41	49135	21.863	ug/l	99
49) 1,4-Dioxane	9.700	88	24167	437.411	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	341533	113.180	ug/l	98
52) Toluene	10.635	92	148697	19.650	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	79381	19.719	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	86066	19.472	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	60901	20.504	ug/l	98
56) Ethyl methacrylate	10.877	69	84059	21.307	ug/l	98
57) 1,3-Dichloropropane	11.171	76	98086	20.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	122925	97.865	ug/l	99
59) 2-Hexanone	11.200	43	246117	111.838	ug/l	99
60) Dibromochloromethane	11.365	129	66121	20.018	ug/l	100
61) 1,2-Dibromoethane	11.471	107	61075	20.320	ug/l	98
64) Tetrachloroethene	11.106	164	57186	19.663	ug/l	97
65) Chlorobenzene	11.894	112	159307	18.779	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	61705	19.638	ug/l	99
67) Ethyl Benzene	11.965	91	276362	19.303	ug/l	99
68) m/p-Xylenes	12.076	106	221226	39.039	ug/l	99
69) o-Xylene	12.400	106	111545	19.891	ug/l	97
70) Styrene	12.418	104	179849	20.170	ug/l	99
71) Bromoform	12.582	173	46567	20.367	ug/l #	99
73) Isopropylbenzene	12.700	105	285970	19.928	ug/l	100
74) N-amyl acetate	12.500	43	88895	21.116	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	89792	20.241	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	80549m	20.123	ug/l	
77) Bromobenzene	12.982	156	69959	19.264	ug/l	99
78) n-propylbenzene	13.041	91	318313	20.112	ug/l	99
79) 2-Chlorotoluene	13.129	91	197424	19.982	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	243882	20.306	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	22116	19.888	ug/l	92
82) 4-Chlorotoluene	13.129	91	197424	19.982	ug/l	99
83) tert-Butylbenzene	13.441	119	218563	20.640	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	245251	20.584	ug/l	100
85) sec-Butylbenzene	13.623	105	297509	20.356	ug/l	99
86) p-Isopropyltoluene	13.735	119	252365	20.751	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	129863	19.358	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	125501	18.313	ug/l	98
89) n-Butylbenzene	14.059	91	188887	19.172	ug/l	99
90) Hexachloroethane	14.341	117	42760	19.656	ug/l	98
91) 1,2-Dichlorobenzene	14.112	146	129961	19.668	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	15153	19.250	ug/l	92
93) 1,2,4-Trichlorobenzene	15.400	180	56500	17.271	ug/l	97
94) Hexachlorobutadiene	15.506	225	33077	18.533	ug/l	98
95) Naphthalene	15.647	128	177049	17.847	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	58097	19.001	ug/l	99

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

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