

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012924\
 Data File : VN080803.D
 Acq On : 29 Jan 2024 20:05
 Operator : JC\MD
 Sample : VSTDC0050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDC0050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/30/2024
 Supervised By : Mahesh Dadoda 01/30/2024

Quant Time: Jan 30 01:32:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	116178	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	243818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	211476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	84015	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	99206	49.360	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.720%		
35) Dibromofluoromethane	8.165	113	69867	46.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.680%		
50) Toluene-d8	10.571	98	279839	47.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.860%		
62) 4-Bromofluorobenzene	12.847	95	96301	47.334	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.660%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	83863	48.599	ug/l	96
3) Chloromethane	2.359	50	125482	48.376	ug/l	96
4) Vinyl Chloride	2.512	62	97623	49.504	ug/l	95
5) Bromomethane	2.942	94	36682	46.505	ug/l	97
6) Chloroethane	3.112	64	56145	53.402	ug/l	98
7) Trichlorofluoromethane	3.495	101	124717	48.866	ug/l	94
8) Diethyl Ether	3.959	74	59450	50.494	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	71959	48.350	ug/l	98
10) Methyl Iodide	4.589	142	59977	47.739	ug/l #	97
11) Tert butyl alcohol	5.518	59	86439	263.833	ug/l	99
12) 1,1-Dichloroethene	4.342	96	77037	47.240	ug/l	91
13) Acrolein	4.177	56	112691	272.757	ug/l	98
14) Allyl chloride	5.024	41	156829	48.654	ug/l	95
15) Acrylonitrile	5.718	53	263076	266.990	ug/l	98
16) Acetone	4.424	43	181778	249.381	ug/l	94
17) Carbon Disulfide	4.712	76	240770	47.425	ug/l	96
18) Methyl Acetate	5.018	43	133280	52.465	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	288016	50.124	ug/l	97
20) Methylene Chloride	5.277	84	92393	48.287	ug/l	95
21) trans-1,2-Dichloroethene	5.789	96	84898	47.919	ug/l	90
22) Diisopropyl ether	6.677	45	367223	51.634	ug/l	97
23) Vinyl Acetate	6.600	43	1425944	277.100	ug/l	100
24) 1,1-Dichloroethane	6.571	63	187840	52.078	ug/l	97
25) 2-Butanone	7.483	43	363437	262.501	ug/l	99
26) 2,2-Dichloropropane	7.488	77	138847	47.627	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	101937	49.705	ug/l	98
28) Bromochloromethane	7.818	49	99288	51.993	ug/l	96
29) Tetrahydrofuran	7.841	42	251565	268.524	ug/l	98
30) Chloroform	7.965	83	168183	50.190	ug/l	93
31) Cyclohexane	8.253	56	159202	46.193	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	138278	50.887	ug/l	97
36) 1,1-Dichloropropene	8.371	75	132331	47.729	ug/l	99
37) Ethyl Acetate	7.565	43	141408	49.545	ug/l	99
38) Carbon Tetrachloride	8.365	117	109238	48.900	ug/l	94
39) Methylcyclohexane	9.600	83	131399	47.681	ug/l	99
40) Benzene	8.606	78	408093	50.080	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	87398	51.955	ug/l	91
42) 1,2-Dichloroethane	8.671	62	137290	51.714	ug/l	99
43) Isopropyl Acetate	8.688	43	263749	50.756	ug/l	98
44) Trichloroethene	9.353	130	85146	47.439	ug/l	99
45) 1,2-Dichloropropane	9.624	63	113787	51.598	ug/l #	87
46) Dibromomethane	9.712	93	65624	50.199	ug/l	96
47) Bromodichloromethane	9.888	83	128892	48.563	ug/l #	98
48) Methyl methacrylate	9.682	41	120121	47.682	ug/l	100
49) 1,4-Dioxane	9.694	88	30952	1020.010	ug/l	100
51) 4-Methyl-2-Pentanone	10.447	43	763077	262.687	ug/l	99
52) Toluene	10.635	92	237410	50.813	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	154975	50.123	ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	163414	48.602	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	90202	50.235	ug/l	96
56) Ethyl methacrylate	10.876	69	155344	56.278	ug/l	99
57) 1,3-Dichloropropane	11.165	76	173033	51.204	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	420414	261.265	ug/l	100
59) 2-Hexanone	11.194	43	564745	250.282	ug/l	99
60) Dibromochloromethane	11.365	129	84562	50.631	ug/l	99
61) 1,2-Dibromoethane	11.471	107	86070	51.147	ug/l	100
64) Tetrachloroethene	11.100	164	68643	49.383	ug/l	90
65) Chlorobenzene	11.894	112	222418	48.190	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	76713	51.112	ug/l	98
67) Ethyl Benzene	11.965	91	436970	50.939	ug/l	97
68) m/p-Xylenes	12.076	106	315855	103.679	ug/l	100
69) o-Xylene	12.400	106	158949	52.508	ug/l	97
70) Styrene	12.412	104	260336	53.549	ug/l	99
71) Bromoform	12.582	173	52070	51.310	ug/l #	94
73) Isopropylbenzene	12.700	105	373691	48.571	ug/l	100
74) N-amyl acetate	12.494	43	236374	49.484	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	127145	46.980	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	119330m	47.093	ug/l	
77) Bromobenzene	12.982	156	76163	46.310	ug/l	97
78) n-propylbenzene	13.035	91	467160	50.826	ug/l	98
79) 2-Chlorotoluene	13.129	91	279219	47.796	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	305822	49.912	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	46552	47.329	ug/l	93
82) 4-Chlorotoluene	13.223	91	278796	48.197	ug/l	99
83) tert-Butylbenzene	13.441	119	240184	49.086	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	303386	48.870	ug/l	97
85) sec-Butylbenzene	13.617	105	362385	50.235	ug/l	99
86) p-Isopropyltoluene	13.735	119	274400	48.948	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	141055	47.950	ug/l	95
88) 1,4-Dichlorobenzene	13.812	146	137915	46.763	ug/l	99
89) n-Butylbenzene	14.059	91	262677	47.882	ug/l	99
90) Hexachloroethane	14.335	117	46840	47.751	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	133055	49.418	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	24949	49.320	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	63126	45.552	ug/l	98
94) Hexachlorobutadiene	15.500	225	25674	42.407	ug/l	92
95) Naphthalene	15.647	128	248187	46.804	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	61348	45.038	ug/l	99

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

