

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081165.D
 Acq On : 23 Feb 2024 17:44
 Operator : JC\MD
 Sample : VN0223WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0223WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/26/2024
 Supervised By : Mahesh Dadoda 02/26/2024

Quant Time: Feb 23 22:01:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	298584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	566211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	508950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	219412	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	179309	48.994	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.980%		
35) Dibromofluoromethane	8.171	113	153510	47.946	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.900%		
50) Toluene-d8	10.571	98	516347	45.406	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.820%		
62) 4-Bromofluorobenzene	12.853	95	197081	46.123	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	82016	21.240	ug/l	98
3) Chloromethane	2.359	50	77856	17.718	ug/l	96
4) Vinyl Chloride	2.512	62	85310	19.890	ug/l #	87
5) Bromomethane	2.959	94	55440	18.198	ug/l	92
6) Chloroethane	3.118	64	61254	21.587	ug/l	94
7) Trichlorofluoromethane	3.501	101	129297	20.635	ug/l	99
8) Diethyl Ether	3.959	74	48524	21.181	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	76197	21.814	ug/l	93
10) Methyl Iodide	4.589	142	58658	15.044	ug/l	95
11) Tert butyl alcohol	5.512	59	80705	119.909	ug/l	100
12) 1,1-Dichloroethene	4.342	96	66163	19.595	ug/l	93
13) Acrolein	4.183	56	35631	98.772	ug/l	99
14) Allyl chloride	5.030	41	94643	18.890	ug/l #	85
15) Acrylonitrile	5.724	53	208337	118.522	ug/l	97
16) Acetone	4.430	43	147639	102.523	ug/l	99
17) Carbon Disulfide	4.712	76	167360	17.770	ug/l #	93
18) Methyl Acetate	5.030	43	95303	27.129	ug/l	93
19) Methyl tert-butyl Ether	5.795	73	244907	21.177	ug/l	91
20) Methylene Chloride	5.277	84	79324	20.749	ug/l	94
21) trans-1,2-Dichloroethene	5.795	96	74842	19.866	ug/l	87
22) Diisopropyl ether	6.671	45	244230	21.490	ug/l #	92
23) Vinyl Acetate	6.606	43	986356	106.970	ug/l #	92
24) 1,1-Dichloroethane	6.565	63	142069	21.619	ug/l	98
25) 2-Butanone	7.483	43	267993	115.194	ug/l	93
26) 2,2-Dichloropropane	7.489	77	125678	20.411	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	89297	20.401	ug/l	90
28) Bromochloromethane	7.818	49	49098	18.022	ug/l #	64
29) Tetrahydrofuran	7.836	42	184615	118.875	ug/l #	87
30) Chloroform	7.971	83	153409	21.960	ug/l	94
31) Cyclohexane	8.259	56	128482	20.332	ug/l #	79
32) 1,1,1-Trichloroethane	8.171	97	135672	21.324	ug/l #	91
36) 1,1-Dichloropropene	8.377	75	107411	19.582	ug/l	96
37) Ethyl Acetate	7.559	43	113945	23.017	ug/l	99
38) Carbon Tetrachloride	8.365	117	111258	20.048	ug/l	98
39) Methylcyclohexane	9.600	83	126731	19.819	ug/l	89
40) Benzene	8.612	78	330735	20.831	ug/l	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	59713	21.194	ug/l	94
42) 1,2-Dichloroethane	8.671	62	114239	20.623	ug/l	99
43) Isopropyl Acetate	8.694	43	189417	21.877	ug/l	97
44) Trichloroethene	9.353	130	84548	19.993	ug/l	89
45) 1,2-Dichloropropane	9.624	63	84403	21.252	ug/l	91
46) Dibromomethane	9.706	93	59568	20.585	ug/l #	89
47) Bromodichloromethane	9.888	83	115111	21.003	ug/l #	99
48) Methyl methacrylate	9.683	41	85190	21.146	ug/l	89
49) 1,4-Dioxane	9.694	88	36731	474.470	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	590092	118.478	ug/l	95
52) Toluene	10.635	92	210629	20.955	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	119710	19.656	ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	133965	20.359	ug/l	91
55) 1,1,2-Trichloroethane	11.018	97	84707	21.911	ug/l	95
56) Ethyl methacrylate	10.877	69	123212	20.854	ug/l	90
57) 1,3-Dichloropropane	11.165	76	146399	21.901	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	258227	87.106	ug/l #	87
59) 2-Hexanone	11.200	43	439750	111.368	ug/l	94
60) Dibromochloromethane	11.359	129	85384	20.790	ug/l	96
61) 1,2-Dibromoethane	11.471	107	88127	21.678	ug/l	98
64) Tetrachloroethene	11.106	164	73666	21.207	ug/l	91
65) Chlorobenzene	11.894	112	220959	20.059	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.965	131	80060	20.236	ug/l	97
67) Ethyl Benzene	11.965	91	393604	19.969	ug/l	100
68) m/p-Xylenes	12.071	106	296010	39.180	ug/l	99
69) o-Xylene	12.400	106	147385	19.680	ug/l	96
70) Styrene	12.412	104	238859	20.127	ug/l	96
71) Bromoform	12.582	173	53196	21.193	ug/l #	96
73) Isopropylbenzene	12.700	105	390815	20.358	ug/l	98
74) N-amyl acetate	12.500	43	162604	20.041	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	119902	22.212	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	96484m	19.354	ug/l	
77) Bromobenzene	12.982	156	81375	19.011	ug/l	84
78) n-propylbenzene	13.041	91	460235	20.826	ug/l	96
79) 2-Chlorotoluene	13.129	91	272197	20.081	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	323099	20.758	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.741	75	37080	19.145	ug/l #	82
82) 4-Chlorotoluene	13.223	91	269101	20.303	ug/l	95
83) tert-Butylbenzene	13.441	119	282268	20.973	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	318659	20.545	ug/l	95
85) sec-Butylbenzene	13.618	105	404861	21.638	ug/l	95
86) p-Isopropyltoluene	13.735	119	323999	20.848	ug/l	97
87) 1,3-Dichlorobenzene	13.735	146	158614	19.612	ug/l	94
88) 1,4-Dichlorobenzene	13.818	146	159836	20.113	ug/l	99
89) n-Butylbenzene	14.059	91	278157	20.544	ug/l	97
90) Hexachloroethane	14.341	117	55990	21.796	ug/l	97
91) 1,2-Dichlorobenzene	14.112	146	155125	19.887	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.723	75	24348	21.695	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	88355	20.303	ug/l	97
94) Hexachlorobutadiene	15.512	225	31910	19.661	ug/l	96
95) Naphthalene	15.647	128	317922	19.936	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	85477	19.800	ug/l	96

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

