

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122023\
 Data File : VN080541.D
 Acq On : 20 Dec 2023 12:58
 Operator : JC\MD
 Sample : VN1220WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1220WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 02:40:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121223W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 13 01:57:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	297119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	451292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	411438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	184598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	204830	53.975	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.960%			
35) Dibromofluoromethane	8.165	113	159649	55.795	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.580%			
50) Toluene-d8	10.565	98	589997	55.287	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.580%			
62) 4-Bromofluorobenzene	12.847	95	212320	52.396	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	63849	16.816	ug/l	95
3) Chloromethane	2.359	50	59688	14.740	ug/l	99
4) Vinyl Chloride	2.518	62	50804	15.668	ug/l	96
5) Bromomethane	2.959	94	24924	17.049	ug/l	92
6) Chloroethane	3.124	64	32254	15.480	ug/l	95
7) Trichlorofluoromethane	3.500	101	110802	16.847	ug/l	97
8) Diethyl Ether	3.953	74	33497	16.170	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.377	101	54977	17.636	ug/l	96
10) Methyl Iodide	4.583	142	38310	13.972	ug/l #	86
11) Tert butyl alcohol	5.512	59	34194	76.508	ug/l	97
12) 1,1-Dichloroethene	4.341	96	52253	16.359	ug/l	86
13) Acrolein	4.177	56	44056	90.010	ug/l	95
14) Allyl chloride	5.018	41	64679	16.367	ug/l	96
15) Acrylonitrile	5.712	53	114279	90.494	ug/l	98
16) Acetone	4.424	43	68692	102.087	ug/l	91
17) Carbon Disulfide	4.712	76	135540	14.973	ug/l	98
18) Methyl Acetate	5.024	43	80392	18.568	ug/l	96
19) Methyl tert-butyl Ether	5.788	73	187113	17.559	ug/l	96
20) Methylene Chloride	5.277	84	61785	17.158	ug/l	98
21) trans-1,2-Dichloroethene	5.788	96	58921	17.013	ug/l	88
22) Diisopropyl ether	6.671	45	158856	18.625	ug/l	94
23) Vinyl Acetate	6.600	43	414700	84.655	ug/l	95
24) 1,1-Dichloroethane	6.559	63	108371	18.211	ug/l	97
25) 2-Butanone	7.482	43	113476	87.542	ug/l	89
26) 2,2-Dichloropropane	7.488	77	104498	17.173	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	66956	17.079	ug/l	91
28) Bromochloromethane	7.812	49	33015	14.450	ug/l	95
29) Tetrahydrofuran	7.841	42	79296	85.428	ug/l	92
30) Chloroform	7.965	83	120013	18.168	ug/l	98
31) Cyclohexane	8.253	56	87519	16.959	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	113647	17.572	ug/l	98
36) 1,1-Dichloropropene	8.371	75	84072	17.970	ug/l	96
37) Ethyl Acetate	7.559	43	49645	16.945	ug/l #	94
38) Carbon Tetrachloride	8.359	117	103601	18.532	ug/l	97
39) Methylcyclohexane	9.600	83	76451	15.730	ug/l	90
40) Benzene	8.606	78	250828	18.566	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	29712	17.591	ug/l	93
42) 1,2-Dichloroethane	8.671	62	95845	19.158	ug/l	99
43) Isopropyl Acetate	8.688	43	95962	18.217	ug/l	97
44) Trichloroethene	9.353	130	63985	17.568	ug/l	97
45) 1,2-Dichloropropane	9.623	63	59376	18.713	ug/l	93
46) Dibromomethane	9.706	93	41299	18.124	ug/l	91
47) Bromodichloromethane	9.888	83	91851	18.808	ug/l	98
48) Methyl methacrylate	9.682	41	54051	17.194	ug/l	90
49) 1,4-Dioxane	9.694	88	14759	309.755	ug/l #	85
51) 4-Methyl-2-Pentanone	10.447	43	264998	91.343	ug/l	99
52) Toluene	10.629	92	160965	18.860	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	97688	18.488	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	102806	18.203	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	60654	19.751	ug/l	98
56) Ethyl methacrylate	10.870	69	61406	18.061	ug/l #	92
57) 1,3-Dichloropropane	11.165	76	102479	19.036	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	237152	110.488	ug/l	98
59) 2-Hexanone	11.194	43	190951	89.156	ug/l	100
60) Dibromochloromethane	11.359	129	69044	18.973	ug/l	99
61) 1,2-Dibromoethane	11.470	107	57881	18.211	ug/l	99
64) Tetrachloroethene	11.106	164	55412	17.443	ug/l	94
65) Chlorobenzene	11.894	112	160577	17.544	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	66175	18.426	ug/l	95
67) Ethyl Benzene	11.964	91	291906	17.345	ug/l	95
68) m/p-Xylenes	12.070	106	218617	35.154	ug/l	91
69) o-Xylene	12.400	106	106390	17.491	ug/l	91
70) Styrene	12.412	104	156726	17.888	ug/l	95
71) Bromoform	12.582	173	43557	16.632	ug/l #	96
73) Isopropylbenzene	12.700	105	267373	18.030	ug/l	99
74) N-amyl acetate	12.494	43	75448	17.423	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	74563	18.764	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	67508m	18.331	ug/l	
77) Bromobenzene	12.982	156	64680	17.730	ug/l	99
78) n-propylbenzene	13.035	91	306602	18.752	ug/l	99
79) 2-Chlorotoluene	13.123	91	195944	18.357	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	232576	18.210	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.741	75	23939	17.068	ug/l	90
82) 4-Chlorotoluene	13.223	91	200334	18.259	ug/l	97
83) tert-Butylbenzene	13.441	119	182853	17.482	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	228409	17.977	ug/l	99
85) sec-Butylbenzene	13.617	105	232876	17.405	ug/l	100
86) p-Isopropyltoluene	13.729	119	212641	17.601	ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	113649	17.682	ug/l	98
88) 1,4-Dichlorobenzene	13.811	146	115607	17.819	ug/l	97
89) n-Butylbenzene	14.058	91	176604	17.505	ug/l	100
90) Hexachloroethane	14.335	117	34893	18.186	ug/l	76
91) 1,2-Dichlorobenzene	14.106	146	111593	18.284	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	14915	17.845	ug/l	95
93) 1,2,4-Trichlorobenzene	15.394	180	60237	17.776	ug/l	96
94) Hexachlorobutadiene	15.500	225	32465	16.829	ug/l	97
95) Naphthalene	15.641	128	176253	17.129	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	58252	17.814	ug/l	100

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

