

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122723\
 Data File : VN080596.D
 Acq On : 27 Dec 2023 12:12
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Dec 28 02:26:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 01:54:24 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 12/28/2023
 Supervised By : Semsettin Yesilyurt 01/01/2024

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	492852	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	833356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	652546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	285685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	106673	16.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	33.740%#		
35) Dibromofluoromethane	8.171	113	97628	18.114	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.220%#		
50) Toluene-d8	10.571	98	365066	19.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.800%#		
62) 4-Bromofluorobenzene	12.853	95	121363	19.163	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.320%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	96776	17.677	ug/l	98
3) Chloromethane	2.359	50	101135	15.136	ug/l	98
4) Vinyl Chloride	2.512	62	104991	17.233	ug/l	99
5) Bromomethane	2.953	94	40576	17.526	ug/l	94
6) Chloroethane	3.124	64	61912	16.277	ug/l	99
7) Trichlorofluoromethane	3.495	101	157606	18.117	ug/l	95
8) Diethyl Ether	3.959	74	55325	18.519	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.371	101	87794	18.488	ug/l	98
10) Methyl Iodide	4.589	142	59976	18.280	ug/l #	96
11) Tert butyl alcohol	5.518	59	69869	82.150	ug/l	100
12) 1,1-Dichloroethene	4.342	96	81604	17.915	ug/l	88
13) Acrolein	4.177	56	87135	90.613	ug/l	97
14) Allyl chloride	5.018	41	120944	17.490	ug/l	95
15) Acrylonitrile	5.712	53	247870	102.182	ug/l	98
16) Acetone	4.424	43	156912	91.307	ug/l #	87
17) Carbon Disulfide	4.712	76	210661	17.198	ug/l	99
18) Methyl Acetate	5.024	43	172760	18.133	ug/l	89
19) Methyl tert-butyl Ether	5.794	73	329602	20.099	ug/l	98
20) Methylene Chloride	5.277	84	96977	17.686	ug/l	92
21) trans-1,2-Dichloroethene	5.783	96	107341	19.504	ug/l #	84
22) Diisopropyl ether	6.677	45	252526	16.440	ug/l	89
23) Vinyl Acetate	6.600	43	644823m	74.705	ug/l	
24) 1,1-Dichloroethane	6.553	63	166377	16.160	ug/l	95
25) 2-Butanone	7.483	43	271630	84.569	ug/l #	86
26) 2,2-Dichloropropane	7.483	77	150193	16.759	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	110419	16.868	ug/l	88
28) Bromochloromethane	7.812	49	88252	18.436	ug/l	87
29) Tetrahydrofuran	7.841	42	188690	90.079	ug/l #	84
30) Chloroform	7.965	83	195455	18.910	ug/l	97
31) Cyclohexane	8.259	56	161808	18.917	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	169560	18.193	ug/l	95
36) 1,1-Dichloropropene	8.371	75	154090	18.576	ug/l	97
37) Ethyl Acetate	7.559	43	96300	15.386	ug/l	98
38) Carbon Tetrachloride	8.365	117	156102	18.395	ug/l	99
39) Methylcyclohexane	9.600	83	142504	20.945	ug/l	91
40) Benzene	8.606	78	358630	15.088	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	69988	18.358	ug/l	90
42) 1,2-Dichloroethane	8.671	62	124547	16.205	ug/l	100
43) Isopropyl Acetate	8.688	43	161595	15.928	ug/l	98
44) Trichloroethene	9.353	130	118167	19.084	ug/l	100
45) 1,2-Dichloropropane	9.624	63	113232	20.086	ug/l	98
46) Dibromomethane	9.712	93	69317	18.275	ug/l	90
47) Bromodichloromethane	9.888	83	143287	18.022	ug/l	98
48) Methyl methacrylate	9.682	41	108321	19.230	ug/l	84
49) 1,4-Dioxane	9.694	88	34218	380.050	ug/l #	86
51) 4-Methyl-2-Pentanone	10.447	43	567459	98.344	ug/l	95
52) Toluene	10.629	92	242723	18.403	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	155147	19.356	ug/l	94
54) cis-1,3-Dichloropropene	10.318	75	165458	18.444	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	100649	19.239	ug/l	99
56) Ethyl methacrylate	10.876	69	100931	19.696	ug/l #	89
57) 1,3-Dichloropropane	11.165	76	168201	18.976	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	380057	105.023	ug/l	95
59) 2-Hexanone	11.194	43	420729	96.742	ug/l	92
60) Dibromochloromethane	11.365	129	110663	18.996	ug/l	99
61) 1,2-Dibromoethane	11.471	107	99548	18.872	ug/l	99
64) Tetrachloroethene	11.106	164	85640	19.641	ug/l	90
65) Chlorobenzene	11.894	112	266720	19.648	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	102390	19.608	ug/l	98
67) Ethyl Benzene	11.965	91	454194	20.013	ug/l	96
68) m/p-Xylenes	12.071	106	337363	40.063	ug/l	95
69) o-Xylene	12.400	106	165861	20.055	ug/l	97
70) Styrene	12.412	104	246383	20.486	ug/l	99
71) Bromoform	12.582	173	70068	18.969	ug/l #	100
73) Isopropylbenzene	12.700	105	408009	20.867	ug/l	98
74) N-amyl acetate	12.494	43	151196	21.918	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	132155	19.585	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	121110m	19.710	ug/l	
77) Bromobenzene	12.982	156	104581	20.138	ug/l	99
78) n-propylbenzene	13.035	91	468187	20.938	ug/l	100
79) 2-Chlorotoluene	13.129	91	292970	20.070	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	342763	20.760	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	41417	18.258	ug/l	89
82) 4-Chlorotoluene	13.223	91	299098	20.035	ug/l	99
83) tert-Butylbenzene	13.441	119	278678	20.195	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	344984	20.636	ug/l	99
85) sec-Butylbenzene	13.617	105	375862	20.583	ug/l	99
86) p-Isopropyltoluene	13.729	119	330570	19.983	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	185596	19.830	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	183159	19.468	ug/l	99
89) n-Butylbenzene	14.059	91	272765	19.987	ug/l	100
90) Hexachloroethane	14.335	117	54044	18.960	ug/l	81
91) 1,2-Dichlorobenzene	14.106	146	178097	19.715	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	26363	18.929	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	95757	20.091	ug/l	96
94) Hexachlorobutadiene	15.500	225	51630	20.991	ug/l	99
95) Naphthalene	15.641	128	290538	19.586	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	105981	21.995	ug/l	98

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

