

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122723\
 Data File : VN080602.D
 Acq On : 27 Dec 2023 18:02
 Operator : JC\MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN122723

Quant Time: Dec 28 03:11:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122723W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 28 03:07:01 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	455592	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	804255	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	731618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	262160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	304211	52.055	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.120%			
35) Dibromofluoromethane	8.165	113	232261	44.652	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.300%			
50) Toluene-d8	10.571	98	912660	50.253	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.847	95	324629	53.112	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.220%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	225919	44.640	ug/l	99
3) Chloromethane	2.359	50	309705	54.949	ug/l	97
4) Vinyl Chloride	2.512	62	289298	51.368	ug/l	98
5) Bromomethane	2.948	94	106972	49.983	ug/l	99
6) Chloroethane	3.118	64	168055	47.795	ug/l	98
7) Trichlorofluoromethane	3.495	101	378223	47.033	ug/l	97
8) Diethyl Ether	3.959	74	149242	54.041	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.371	101	219493	50.001	ug/l	96
10) Methyl Iodide	4.589	142	158410	52.231	ug/l	96
11) Tert butyl alcohol	5.518	59	219070	278.640	ug/l	99
12) 1,1-Dichloroethene	4.336	96	213832	50.784	ug/l	90
13) Acrolein	4.177	56	233483	262.659	ug/l	99
14) Allyl chloride	5.024	41	352620	55.162	ug/l	91
15) Acrylonitrile	5.718	53	652673	291.064	ug/l	99
16) Acetone	4.424	43	379601	238.955	ug/l	98
17) Carbon Disulfide	4.712	76	560397	49.492	ug/l	99
18) Methyl Acetate	5.024	43	518683	58.892	ug/l	90
19) Methyl tert-butyl Ether	5.794	73	865198	57.075	ug/l	93
20) Methylene Chloride	5.277	84	284184	56.066	ug/l #	87
21) trans-1,2-Dichloroethene	5.789	96	270985	53.265	ug/l	86
22) Diisopropyl ether	6.671	45	839793	59.145	ug/l #	90
23) Vinyl Acetate	6.600	43	2291971	291.041	ug/l #	91
24) 1,1-Dichloroethane	6.565	63	516019	54.220	ug/l	98
25) 2-Butanone	7.483	43	759121	255.672	ug/l #	86
26) 2,2-Dichloropropane	7.488	77	424949	51.295	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	312402	51.627	ug/l	92
28) Bromochloromethane	7.812	49	229529	51.869	ug/l	87
29) Tetrahydrofuran	7.835	42	480136	247.958	ug/l #	82
30) Chloroform	7.965	83	447582	46.844	ug/l	93
31) Cyclohexane	8.259	56	351821	44.496	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	405039	47.013	ug/l	97
36) 1,1-Dichloropropene	8.371	75	356388	44.518	ug/l	97
37) Ethyl Acetate	7.559	43	281494	46.601	ug/l	97
38) Carbon Tetrachloride	8.359	117	364224	44.474	ug/l	97
39) Methylcyclohexane	9.600	83	331792	50.532	ug/l	88
40) Benzene	8.606	78	1148514	49.205	ug/l	98

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41) Methacrylonitrile	7.777	41	178225	47.845	ug/l	90
42) 1,2-Dichloroethane	8.671	62	375646	50.644	ug/l	99
43) Isopropyl Acetate	8.688	43	538835	55.035	ug/l	97
44) Trichloroethene	9.353	130	262382	43.908	ug/l	97
45) 1,2-Dichloropropane	9.624	63	256917	47.222	ug/l	97
46) Dibromomethane	9.712	93	177690	48.542	ug/l	92
47) Bromodichloromethane	9.888	83	374270	48.778	ug/l	97
48) Methyl methacrylate	9.682	41	284261	52.290	ug/l	85
49) 1,4-Dioxane	9.694	88	87354	1005.323	ug/l #	87
51) 4-Methyl-2-Pentanone	10.447	43	1463354	262.783	ug/l	95
52) Toluene	10.629	92	633108	49.740	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	398768	51.551	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	430765	49.757	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	252512	50.013	ug/l	97
56) Ethyl methacrylate	10.876	69	275873	55.783	ug/l #	87
57) 1,3-Dichloropropane	11.165	76	432497	50.557	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	1009608	289.086	ug/l	94
59) 2-Hexanone	11.194	43	1097588	261.511	ug/l	93
60) Dibromochloromethane	11.359	129	305182	54.282	ug/l	99
61) 1,2-Dibromoethane	11.470	107	281208	55.240	ug/l	97
64) Tetrachloroethene	11.106	164	221211	45.250	ug/l	96
65) Chlorobenzene	11.894	112	745719	48.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	238983	40.821	ug/l	97
67) Ethyl Benzene	11.965	91	1124004	44.174	ug/l	96
68) m/p-Xylenes	12.070	106	915853	97.006	ug/l	96
69) o-Xylene	12.400	106	482529	52.038	ug/l	97
70) Styrene	12.412	104	715129	53.035	ug/l	99
71) Bromoform	12.582	173	183450	44.296	ug/l #	100
73) Isopropylbenzene	12.700	105	1203463	67.071	ug/l	100
74) N-amyl acetate	12.494	43	372657	58.870	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	287586	46.444	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	262783m	46.604	ug/l	
77) Bromobenzene	12.982	156	229488	48.155	ug/l	98
78) n-propylbenzene	13.035	91	1076209	52.449	ug/l	99
79) 2-Chlorotoluene	13.129	91	678125	50.623	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	809399	53.422	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	137661	66.131	ug/l	92
82) 4-Chlorotoluene	13.223	91	684287	49.951	ug/l	98
83) tert-Butylbenzene	13.441	119	665350	52.543	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	817053	53.259	ug/l	100
85) sec-Butylbenzene	13.617	105	888729	53.036	ug/l	99
86) p-Isopropyltoluene	13.729	119	790931	49.582	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	415156	48.337	ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	411977	47.718	ug/l	99
89) n-Butylbenzene	14.059	91	674019	53.821	ug/l	99
90) Hexachloroethane	14.335	117	127392	48.702	ug/l	81
91) 1,2-Dichlorobenzene	14.106	146	397553	47.957	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	62384	48.813	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	240826	55.062	ug/l	98
94) Hexachlorobutadiene	15.506	225	116929	51.804	ug/l	99
95) Naphthalene	15.641	128	845489	62.112	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	264425	59.803	ug/l	97

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

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