

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122723\
 Data File : VN080601.D
 Acq On : 27 Dec 2023 14:59
 Operator : JC\MD
 Sample : VSTDICC010
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC010

Quant Time: Dec 28 02:30:23 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	8.224	168	519747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	749953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	666632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	292092	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	66580	9.987	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	19.980%#		
35) Dibromofluoromethane	8.171	113	54095	11.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	22.300%#		
50) Toluene-d8	10.565	98	167470	9.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	19.780%#		
62) 4-Bromofluorobenzene	12.853	95	55732	9.778	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	19.560%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	60613	10.498	ug/l	100
3) Chloromethane	2.359	50	84123	11.714	ug/l	98
4) Vinyl Chloride	2.512	62	70218	10.929	ug/l	96
5) Bromomethane	2.954	94	28304	11.593	ug/l	99
6) Chloroethane	3.118	64	44114	10.997	ug/l	97
7) Trichlorofluoromethane	3.495	101	87568	9.545	ug/l	99
8) Diethyl Ether	3.959	74	32270	10.243	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.365	101	51525	10.289	ug/l	99
10) Methyl Iodide	4.583	142	30405	8.788	ug/l	97
11) Tert butyl alcohol	5.518	59	51732	57.677	ug/l	98
12) 1,1-Dichloroethene	4.336	96	48792	10.158	ug/l	86
13) Acrolein	4.177	56	44820	44.197	ug/l	91
14) Allyl chloride	5.024	41	72843	9.989	ug/l	95
15) Acrylonitrile	5.724	53	133714	52.270	ug/l	99
16) Acetone	4.430	43	91095	50.265	ug/l	93
17) Carbon Disulfide	4.712	76	122118	9.454	ug/l	98
18) Methyl Acetate	5.024	43	106544	10.604	ug/l #	86
19) Methyl tert-butyl Ether	5.800	73	198055	11.452	ug/l	99
20) Methylene Chloride	5.271	84	56582	9.785	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	64002	11.027	ug/l #	83
22) Diisopropyl ether	6.671	45	162822	10.052	ug/l #	88
23) Vinyl Acetate	6.600	43	490899	53.929	ug/l #	91
24) 1,1-Dichloroethane	6.565	63	113872	10.488	ug/l	97
25) 2-Butanone	7.483	43	182917	54.002	ug/l #	83
26) 2,2-Dichloropropane	7.489	77	104523	11.059	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	75920	10.998	ug/l	91
28) Bromochloromethane	7.812	49	58776	11.643	ug/l	88
29) Tetrahydrofuran	7.841	42	122027	55.240	ug/l #	84
30) Chloroform	7.965	83	102958	9.445	ug/l	88
31) Cyclohexane	8.259	56	90782	10.064	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	105010	10.684	ug/l	99
36) 1,1-Dichloropropene	8.371	75	84868	11.369	ug/l	96
37) Ethyl Acetate	7.565	43	71129	12.628	ug/l	97
38) Carbon Tetrachloride	8.359	117	89814	11.761	ug/l	95
39) Methylcyclohexane	9.600	83	59982	9.797	ug/l #	89
40) Benzene	8.606	78	276903	12.998	ug/l	98

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41) Methacrylonitrile	7.783	41	42070	12.262	ug/l	89
42) 1,2-Dichloroethane	8.671	62	72352	10.461	ug/l	99
43) Isopropyl Acetate	8.694	43	87192	9.550	ug/l	97
44) Trichloroethene	9.353	130	52170	9.363	ug/l	97
45) 1,2-Dichloropropane	9.624	63	52203	10.290	ug/l	99
46) Dibromomethane	9.712	93	35137	10.294	ug/l	91
47) Bromodichloromethane	9.888	83	76361	10.673	ug/l	99
48) Methyl methacrylate	9.683	41	48513	9.570	ug/l	90
49) 1,4-Dioxane	9.700	88	17792	219.587	ug/l	92
51) 4-Methyl-2-Pentanone	10.447	43	266409	51.305	ug/l	99
52) Toluene	10.630	92	128883	10.859	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	76072	10.546	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	85172	10.550	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	52633	11.179	ug/l	97
56) Ethyl methacrylate	10.877	69	50577	10.967	ug/l #	85
57) 1,3-Dichloropropane	11.165	76	89083	11.168	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	127145	39.042	ug/l	95
59) 2-Hexanone	11.194	43	202438	51.725	ug/l	98
60) Dibromochloromethane	11.359	129	56549	10.786	ug/l	99
61) 1,2-Dibromoethane	11.471	107	50140	10.563	ug/l	97
64) Tetrachloroethene	11.100	164	43768	9.826	ug/l	89
65) Chlorobenzene	11.894	112	133507	9.627	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	51766	9.704	ug/l	95
67) Ethyl Benzene	11.965	91	228221	9.844	ug/l	99
68) m/p-Xylenes	12.076	106	172567	20.060	ug/l	93
69) o-Xylene	12.400	106	83606	9.895	ug/l	95
70) Styrene	12.412	104	122976	10.009	ug/l	98
71) Bromoform	12.582	173	37451	9.925	ug/l #	99
73) Isopropylbenzene	12.700	105	202594	10.134	ug/l	98
74) N-amyl acetate	12.494	43	69663	9.877	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	68365	9.909	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	63271m	10.071	ug/l	
77) Bromobenzene	12.982	156	53618	10.098	ug/l	96
78) n-propylbenzene	13.035	91	230083	10.064	ug/l	100
79) 2-Chlorotoluene	13.123	91	152194	10.197	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	173128	10.256	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	23605	10.178	ug/l	95
82) 4-Chlorotoluene	13.223	91	154332	10.111	ug/l	98
83) tert-Butylbenzene	13.441	119	138645	9.827	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	172306	10.081	ug/l	100
85) sec-Butylbenzene	13.618	105	183177	9.811	ug/l	99
86) p-Isopropyltoluene	13.729	119	157892	9.695	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	91395	9.551	ug/l	99
88) 1,4-Dichlorobenzene	13.818	146	92318	9.597	ug/l	97
89) n-Butylbenzene	14.059	91	131081	9.394	ug/l	99
90) Hexachloroethane	14.335	117	27069	9.288	ug/l	77
91) 1,2-Dichlorobenzene	14.106	146	90563	9.805	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	13686	9.611	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	46253	9.491	ug/l	96
94) Hexachlorobutadiene	15.506	225	24104	9.585	ug/l	98
95) Naphthalene	15.647	128	144951	9.557	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	45177	9.170	ug/l	95

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

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