

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122723\
 Data File : VN080594.D
 Acq On : 27 Dec 2023 11:24
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Dec 28 02:24:56 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	455717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	752968	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	545498	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	307840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	576982	98.704	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 197.400%#			
35) Dibromofluoromethane	8.165	113	463581	95.194	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 190.380%#			
50) Toluene-d8	10.571	98	1536684	90.376	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 180.760%#			
62) 4-Bromofluorobenzene	12.847	95	590520	103.195	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 206.380%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	469512	92.747	ug/l	98
3) Chloromethane	2.359	50	522048	99.476	ug/l	99
4) Vinyl Chloride	2.512	62	517623	91.884	ug/l	98
5) Bromomethane	2.930	94	187167	87.431	ug/l	95
6) Chloroethane	3.106	64	334903	95.221	ug/l	99
7) Trichlorofluoromethane	3.489	101	782341	97.259	ug/l	98
8) Diethyl Ether	3.953	74	290079	105.010	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.365	101	429007	97.702	ug/l	97
10) Methyl Iodide	4.589	142	333759	110.017	ug/l	95
11) Tert butyl alcohol	5.518	59	399630	508.159	ug/l	98
12) 1,1-Dichloroethene	4.336	96	418600	99.388	ug/l	86
13) Acrolein	4.171	56	463593	521.381	ug/l	98
14) Allyl chloride	5.024	41	622668	97.381	ug/l	94
15) Acrylonitrile	5.718	53	983652	438.546	ug/l	99
16) Acetone	4.424	43	779763	490.719	ug/l	93
17) Carbon Disulfide	4.712	76	1041045	91.916	ug/l	97
18) Methyl Acetate	5.018	43	876621	99.506	ug/l	89
19) Methyl tert-butyl Ether	5.795	73	1420156	93.658	ug/l	95
20) Methylene Chloride	5.277	84	485940	95.843	ug/l #	89
21) trans-1,2-Dichloroethene	5.783	96	432828	85.054	ug/l #	81
22) Diisopropyl ether	6.671	45	1276453	89.874	ug/l	90
23) Vinyl Acetate	6.600	43	3577347	448.220	ug/l #	92
24) 1,1-Dichloroethane	6.565	63	963469	101.208	ug/l	99
25) 2-Butanone	7.471	43	1246212	419.609	ug/l #	85
26) 2,2-Dichloropropane	7.489	77	739758	89.271	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	525724	86.857	ug/l	90
28) Bromochloromethane	7.812	49	465457	105.156	ug/l	87
29) Tetrahydrofuran	7.836	42	1013431	523.225	ug/l #	83
30) Chloroform	7.971	83	967857	101.268	ug/l	97
31) Cyclohexane	8.259	56	748682	94.663	ug/l	89
32) 1,1,1-Trichloroethane	8.171	97	778829	90.374	ug/l	97
36) 1,1-Dichloropropene	8.377	75	718638	95.884	ug/l	96
37) Ethyl Acetate	7.559	43	491215	86.859	ug/l	97
38) Carbon Tetrachloride	8.359	117	740436	96.570	ug/l	98
39) Methylcyclohexane	9.606	83	540710	87.959	ug/l	92
40) Benzene	8.606	78	2199349	100.256	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	367572	106.707	ug/l	88
42) 1,2-Dichloroethane	8.671	62	718083	103.405	ug/l	98
43) Isopropyl Acetate	8.688	43	989884	107.990	ug/l	97
44) Trichloroethene	9.353	130	576427	103.032	ug/l	99
45) 1,2-Dichloropropane	9.624	63	416052	81.680	ug/l	97
46) Dibromomethane	9.712	93	276783	80.764	ug/l	90
47) Bromodichloromethane	9.888	83	601319	83.707	ug/l	99
48) Methyl methacrylate	9.682	41	424886	83.481	ug/l	87
49) 1,4-Dioxane	9.694	88	136596	1679.106	ug/l	89
51) 4-Methyl-2-Pentanone	10.447	43	2150503	412.483	ug/l	100
52) Toluene	10.629	92	1040998	87.356	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	670577	92.593	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	714308	88.128	ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	407329	86.172	ug/l	99
56) Ethyl methacrylate	10.877	69	466317	100.714	ug/l #	89
57) 1,3-Dichloropropane	11.165	76	704546	87.969	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	1648678	504.228	ug/l	95
59) 2-Hexanone	11.194	43	1639108	417.134	ug/l	100
60) Dibromochloromethane	11.359	129	464558	88.257	ug/l	100
61) 1,2-Dibromoethane	11.471	107	409673	85.956	ug/l	98
64) Tetrachloroethene	11.106	164	349022	95.753	ug/l	96
65) Chlorobenzene	11.894	112	1113332	98.108	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	434209	99.472	ug/l	96
67) Ethyl Benzene	11.965	91	1997736	105.301	ug/l	97
68) m/p-Xylenes	12.071	106	1486736	211.202	ug/l	92
69) o-Xylene	12.400	106	734485	106.237	ug/l	92
70) Styrene	12.412	104	1129126	112.307	ug/l	97
71) Bromoform	12.582	173	325721	105.484	ug/l #	100
73) Isopropylbenzene	12.694	105	1911060	90.702	ug/l	99
74) N-amyl acetate	12.494	43	650463	87.508	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	579099	79.644	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	541808m	81.830	ug/l	
77) Bromobenzene	12.982	156	478245	85.462	ug/l	98
78) n-propylbenzene	13.035	91	2280600	94.652	ug/l	99
79) 2-Chlorotoluene	13.129	91	1518226	96.519	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	1825368	102.600	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	225626	92.305	ug/l	94
82) 4-Chlorotoluene	13.223	91	1585284	98.549	ug/l	99
83) tert-Butylbenzene	13.441	119	1657665	111.482	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	2050459	113.824	ug/l	100
85) sec-Butylbenzene	13.618	105	2196816	111.645	ug/l	100
86) p-Isopropyltoluene	13.729	119	1994321	99.983	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	1038073	102.929	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	992741	97.923	ug/l	99
89) n-Butylbenzene	14.059	91	1764568	119.994	ug/l	98
90) Hexachloroethane	14.335	117	314523	102.399	ug/l	84
91) 1,2-Dichlorobenzene	14.106	146	1002982	103.036	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	136731	91.111	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	534188	104.011	ug/l	97
94) Hexachlorobutadiene	15.506	225	234411	88.443	ug/l	99
95) Naphthalene	15.641	128	1733209	108.433	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	508296	97.900	ug/l	97

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

