

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103023\
 Data File : VN079716.D
 Acq On : 30 Oct 2023 10:10
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/31/2023
 Supervised By : Mahesh Dadoda 10/31/2023

Quant Time: Oct 31 07:08:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103023W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 07:05:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	302577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	524547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	483185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	225395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	492959	101.452	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 202.900%#			
35) Dibromofluoromethane	8.171	113	385044	102.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 205.460%#			
50) Toluene-d8	10.571	98	1488814	106.553	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 213.100%#			
62) 4-Bromofluorobenzene	12.853	95	518183	117.766	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 235.540%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	367644	92.042	ug/l	99
3) Chloromethane	2.365	50	424915	87.814	ug/l	98
4) Vinyl Chloride	2.518	62	479013	91.919	ug/l	97
5) Bromomethane	2.930	94	289400	84.601	ug/l	99
6) Chloroethane	3.106	64	341113	89.354	ug/l	98
7) Trichlorofluoromethane	3.495	101	570110	93.033	ug/l	99
8) Diethyl Ether	3.959	74	210182	94.777	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	322924	90.983	ug/l	100
10) Methyl Iodide	4.589	142	392556	109.893	ug/l	99
11) Tert butyl alcohol	5.524	59	272389	422.645	ug/l	100
12) 1,1-Dichloroethene	4.342	96	313512	94.306	ug/l	85
13) Acrolein	4.183	56	317797	490.190	ug/l	97
14) Allyl chloride	5.024	41	506896	90.921	ug/l #	90
15) Acrylonitrile	5.718	53	935342	471.638	ug/l	98
16) Acetone	4.424	43	1023507	492.341	ug/l	92
17) Carbon Disulfide	4.712	76	935261	92.127	ug/l	99
18) Methyl Acetate	5.024	43	759360	90.539	ug/l #	85
19) Methyl tert-butyl Ether	5.800	73	1077598	95.802	ug/l	93
20) Methylene Chloride	5.277	84	371846	90.328	ug/l #	81
21) trans-1,2-Dichloroethene	5.789	96	358516	95.010	ug/l #	78
22) Diisopropyl ether	6.671	45	1206414	96.253	ug/l #	90
23) Vinyl Acetate	6.606	43	3468031	502.568	ug/l #	86
24) 1,1-Dichloroethane	6.571	63	693827	92.380	ug/l	97
25) 2-Butanone	7.483	43	1391368	487.250	ug/l #	80
26) 2,2-Dichloropropane	7.494	77	576361	94.837	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	420406	96.764	ug/l	86
28) Bromochloromethane	7.818	49	370363	100.817	ug/l #	74
29) Tetrahydrofuran	7.841	42	843821	483.697	ug/l #	75
30) Chloroform	7.965	83	706055	93.358	ug/l	96
31) Cyclohexane	8.259	56	596174	89.933	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	613525	93.581	ug/l	93
36) 1,1-Dichloropropene	8.371	75	543504	97.744	ug/l	95
37) Ethyl Acetate	7.565	43	520329	94.409	ug/l #	91
38) Carbon Tetrachloride	8.365	117	528866	95.377	ug/l	99
39) Methylcyclohexane	9.606	83	571200	103.274	ug/l #	89
40) Benzene	8.612	78	1585006	96.581	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	276529	96.198	ug/l #	86
42) 1,2-Dichloroethane	8.671	62	554052	92.954	ug/l	98
43) Isopropyl Acetate	8.694	43	856481	97.204	ug/l #	90
44) Trichloroethene	9.353	130	375238	94.390	ug/l	98
45) 1,2-Dichloropropane	9.624	63	415094	95.232	ug/l	98
46) Dibromomethane	9.712	93	272748	92.779	ug/l	96
47) Bromodichloromethane	9.888	83	567829	96.285	ug/l	98
48) Methyl methacrylate	9.682	41	408515	100.004	ug/l #	82
49) 1,4-Dioxane	9.700	88	137705	1915.636	ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	2695951	491.744	ug/l	90
52) Toluene	10.635	92	985533	98.368	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	620826	104.249	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	662504	101.682	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	375319	94.724	ug/l	94
56) Ethyl methacrylate	10.877	69	595408	106.404	ug/l #	82
57) 1,3-Dichloropropane	11.165	76	676363	97.542	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	1324288	642.365	ug/l	89
59) 2-Hexanone	11.200	43	2040251	506.121	ug/l	88
60) Dibromochloromethane	11.365	129	403929	98.518	ug/l	98
61) 1,2-Dibromoethane	11.471	107	381175	96.559	ug/l	98
64) Tetrachloroethene	11.106	164	309714	90.356	ug/l	96
65) Chlorobenzene	11.894	112	1010806	94.515	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	379917	95.605	ug/l	97
67) Ethyl Benzene	11.965	91	1907168	101.224	ug/l	95
68) m/p-Xylenes	12.076	106	1435360	205.975	ug/l	94
69) o-Xylene	12.400	106	695772	103.833	ug/l	92
70) Styrene	12.412	104	1174053	109.377	ug/l	97
71) Bromoform	12.582	173	283151	99.481	ug/l #	99
73) Isopropylbenzene	12.700	105	1803138	88.320	ug/l	99
74) N-amyl acetate	12.494	43	738542	90.951	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	564945	78.163	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	511849m	86.417	ug/l	
77) Bromobenzene	12.982	156	411448	85.698	ug/l	94
78) n-propylbenzene	13.041	91	2163233	91.983	ug/l	97
79) 2-Chlorotoluene	13.129	91	1270623	86.674	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	1487421	89.379	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	183507	90.443	ug/l	86
82) 4-Chlorotoluene	13.223	91	1267199	89.993	ug/l	99
83) tert-Butylbenzene	13.441	119	1218604	89.348	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	1486233	92.572	ug/l	100
85) sec-Butylbenzene	13.618	105	1751417	92.063	ug/l	100
86) p-Isopropyltoluene	13.735	119	1443921	95.295	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	740556	91.175	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	722116	89.244	ug/l	99
89) n-Butylbenzene	14.059	91	1225397	101.791	ug/l	98
90) Hexachloroethane	14.335	117	277591	86.706	ug/l	89
91) 1,2-Dichlorobenzene	14.112	146	702121	88.876	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	96667	86.722	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	269376	114.396	ug/l	98
94) Hexachlorobutadiene	15.506	225	166928	79.895	ug/l	98
95) Naphthalene	15.647	128	762803	111.583	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	271602	103.290	ug/l	97

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

