

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110123\
 Data File : VN079761.D
 Acq On : 01 Nov 2023 10:03
 Operator : JC\MD
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 02 05:27:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:25:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/02/2023
 Supervised By : Mahesh Dadoda 11/02/2023

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	326564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	560565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	525300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	245763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	484251	97.331	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 194.660%#			
35) Dibromofluoromethane	8.165	113	398933	100.551	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 201.100%#			
50) Toluene-d8	10.571	98	1500645	102.744	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 205.480%#			
62) 4-Bromofluorobenzene	12.853	95	527900	108.981	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 217.960%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	400598	101.841	ug/l	99
3) Chloromethane	2.359	50	467525	100.048	ug/l	100
4) Vinyl Chloride	2.512	62	520601	101.108	ug/l	100
5) Bromomethane	2.930	94	284779	91.027	ug/l	97
6) Chloroethane	3.106	64	456043	111.674	ug/l	98
7) Trichlorofluoromethane	3.489	101	650125	101.516	ug/l	98
8) Diethyl Ether	3.959	74	255173	104.998	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.371	101	371699	100.121	ug/l	98
10) Methyl Iodide	4.589	142	443465	104.602	ug/l	97
11) Tert butyl alcohol	5.518	59	293124	461.527	ug/l	100
12) 1,1-Dichloroethene	4.336	96	358360	101.949	ug/l	84
13) Acrolein	4.177	56	196333	498.283	ug/l	99
14) Allyl chloride	5.018	41	568169	105.532	ug/l	92
15) Acrylonitrile	5.718	53	997608	504.033	ug/l	99
16) Acetone	4.424	43	865664	495.337	ug/l	93
17) Carbon Disulfide	4.706	76	1003961	99.017	ug/l	100
18) Methyl Acetate	5.018	43	815486	97.533	ug/l #	86
19) Methyl tert-butyl Ether	5.795	73	1272050	105.111	ug/l	94
20) Methylene Chloride	5.277	84	423209	95.972	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	398839	101.736	ug/l	85
22) Diisopropyl ether	6.671	45	1334280	106.942	ug/l #	91
23) Vinyl Acetate	6.600	43	3815572	554.423	ug/l #	88
24) 1,1-Dichloroethane	6.565	63	771778	101.773	ug/l	99
25) 2-Butanone	7.483	43	1346785	526.263	ug/l #	83
26) 2,2-Dichloropropane	7.494	77	650303	103.690	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	476620	101.637	ug/l	89
28) Bromochloromethane	7.812	49	367730	99.504	ug/l #	79
29) Tetrahydrofuran	7.836	42	859263	516.069	ug/l #	78
30) Chloroform	7.965	83	783008	95.057	ug/l	97
31) Cyclohexane	8.259	56	631465	96.049	ug/l	86
32) 1,1,1-Trichloroethane	8.171	97	679883	101.298	ug/l	96
36) 1,1-Dichloropropene	8.371	75	585208	103.305	ug/l	96
37) Ethyl Acetate	7.559	43	537936	103.542	ug/l #	92
38) Carbon Tetrachloride	8.365	117	586706	102.766	ug/l	99
39) Methylcyclohexane	9.600	83	584675	109.671	ug/l #	90
40) Benzene	8.606	78	1735399	102.280	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	282864	102.530	ug/l	89
42) 1,2-Dichloroethane	8.671	62	600533	101.327	ug/l	98
43) Isopropyl Acetate	8.688	43	937259	102.870	ug/l #	91
44) Trichloroethene	9.353	130	427806	101.610	ug/l	99
45) 1,2-Dichloropropane	9.624	63	454924	104.917	ug/l	93
46) Dibromomethane	9.712	93	311238	105.123	ug/l	96
47) Bromodichloromethane	9.888	83	629905	99.760	ug/l	97
48) Methyl methacrylate	9.683	41	440242	110.315	ug/l #	84
49) 1,4-Dioxane	9.694	88	143556	2035.782	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	2768043	539.637	ug/l	91
52) Toluene	10.630	92	1092435	108.605	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	704613	113.831	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	748221	110.898	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	419791	103.759	ug/l	95
56) Ethyl methacrylate	10.877	69	678142	117.510	ug/l #	87
57) 1,3-Dichloropropane	11.165	76	752169	105.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	1672143	571.687	ug/l	91
59) 2-Hexanone	11.200	43	2260282	576.011	ug/l	84
60) Dibromochloromethane	11.359	129	474748	109.625	ug/l	99
61) 1,2-Dibromoethane	11.471	107	438021	107.867	ug/l	99
64) Tetrachloroethene	11.106	164	338392	99.465	ug/l	99
65) Chlorobenzene	11.894	112	1151227	101.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	431501	105.105	ug/l	97
67) Ethyl Benzene	11.965	91	2129188	107.250	ug/l	97
68) m/p-Xylenes	12.071	106	1584140	214.206	ug/l	95
69) o-Xylene	12.400	106	782677	109.905	ug/l	94
70) Styrene	12.412	104	1321926	115.506	ug/l	98
71) Bromoform	12.582	173	329048	112.873	ug/l #	98
73) Isopropylbenzene	12.700	105	1961464	105.162	ug/l	100
74) N-amyl acetate	12.494	43	857507	105.327	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.941	83	632369	95.623	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	546872m	94.904	ug/l	
77) Bromobenzene	12.982	156	466950	102.256	ug/l	96
78) n-propylbenzene	13.035	91	2324127	108.811	ug/l	98
79) 2-Chlorotoluene	13.129	91	1391111	101.951	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	1588004	109.429	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	240921	113.607	ug/l	94
82) 4-Chlorotoluene	13.223	91	1407942	103.837	ug/l	100
83) tert-Butylbenzene	13.441	119	1315674	110.760	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	1612424	112.934	ug/l	100
85) sec-Butylbenzene	13.618	105	1815522	110.317	ug/l	100
86) p-Isopropyltoluene	13.729	119	1536281	114.496	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	859281	101.152	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	853515	98.986	ug/l	100
89) n-Butylbenzene	14.059	91	1316448	113.912	ug/l	100
90) Hexachloroethane	14.335	117	264713	99.617	ug/l	87
91) 1,2-Dichlorobenzene	14.106	146	818717	102.094	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	116828	104.173	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	412611	108.209	ug/l	97
94) Hexachlorobutadiene	15.500	225	158116	91.473	ug/l	99
95) Naphthalene	15.641	128	1416990	109.580	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	390330	104.430	ug/l	98

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

