

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011623\
 Data File : VN076265.D
 Acq On : 16 Jan 2023 12:30
 Operator : JC\MD
 Sample : VSTDIC075
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC075

Quant Time: Jan 17 03:29:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:09:59 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 01/17/2023
 Supervised By : Mahesh Dadoda 01/17/2023

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	321221	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	512326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	472453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	243203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	282139	78.445	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 156.880%#			
35) Dibromofluoromethane	8.171	113	246315	76.858	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 153.720%#			
50) Toluene-d8	10.570	98	939073	79.342	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 158.680%#			
62) 4-Bromofluorobenzene	12.853	95	331324	85.750	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 171.500%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	260721	80.881	ug/l	99
3) Chloromethane	2.371	50	251376	73.060	ug/l	96
4) Vinyl Chloride	2.530	62	316378	74.567	ug/l	100
5) Bromomethane	2.947	94	256258	74.879	ug/l	99
6) Chloroethane	3.124	64	234550	75.527	ug/l	99
7) Trichlorofluoromethane	3.506	101	432757	75.249	ug/l	99
8) Diethyl Ether	3.971	74	150709	79.300	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	246426	76.658	ug/l	99
10) Methyl Iodide	4.600	142	388844	78.214	ug/l	99
11) Tert butyl alcohol	5.535	59	190414	395.809	ug/l	99
12) 1,1-Dichloroethene	4.353	96	234152	78.405	ug/l	91
13) Acrolein	4.189	56	218465	379.726	ug/l	97
14) Allyl chloride	5.036	41	274771	78.433	ug/l	99
15) Acrylonitrile	5.730	53	528031	381.712	ug/l	99
16) Acetone	4.441	43	437951	368.290	ug/l	98
17) Carbon Disulfide	4.724	76	591526	78.691	ug/l	98
18) Methyl Acetate	5.041	43	288691	74.347	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	786692	79.139	ug/l	96
20) Methylene Chloride	5.283	84	257729	72.020	ug/l	97
21) trans-1,2-Dichloroethene	5.794	96	247260	74.882	ug/l	98
22) Diisopropyl ether	6.677	45	658464	77.146	ug/l	97
23) Vinyl Acetate	6.612	43	2271912	419.259	ug/l	99
24) 1,1-Dichloroethane	6.582	63	430474	75.174	ug/l	97
25) 2-Butanone	7.488	43	669792	386.968	ug/l	99
26) 2,2-Dichloropropane	7.500	77	385240	78.793	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	295605	75.957	ug/l	100
28) Bromochloromethane	7.818	49	183075	79.223	ug/l	98
29) Tetrahydrofuran	7.841	42	434632	399.738	ug/l	99
30) Chloroform	7.971	83	471128	73.953	ug/l	99
31) Cyclohexane	8.265	56	384400	69.574	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	445214	78.440	ug/l	97
36) 1,1-Dichloropropene	8.377	75	353100	77.714	ug/l	99
37) Ethyl Acetate	7.565	43	276624	76.717	ug/l	98
38) Carbon Tetrachloride	8.371	117	394857	78.022	ug/l	99
39) Methylcyclohexane	9.606	83	458567	83.438	ug/l	99
40) Benzene	8.612	78	1043272	77.111	ug/l	99

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41) Methacrylonitrile	7.788	41	148180	79.766	ug/l	96
42) 1,2-Dichloroethane	8.676	62	353475	76.025	ug/l	100
43) Isopropyl Acetate	8.694	43	473502	60.586	ug/l	99
44) Trichloroethene	9.353	130	284186	74.784	ug/l	97
45) 1,2-Dichloropropane	9.623	63	250014	77.025	ug/l	98
46) Dibromomethane	9.712	93	187933	77.222	ug/l	99
47) Bromodichloromethane	9.888	83	373113	79.217	ug/l	100
48) Methyl methacrylate	9.682	41	225142	83.526	ug/l	98
49) 1,4-Dioxane	9.694	88	96546	1655.395	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	1411548	407.543	ug/l	100
52) Toluene	10.635	92	698829	78.229	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	394750	87.815	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	434489	84.990	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	269253	79.303	ug/l	97
56) Ethyl methacrylate	10.876	69	388287	87.526	ug/l	99
57) 1,3-Dichloropropane	11.165	76	431392	78.674	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	620118	416.417	ug/l	100
59) 2-Hexanone	11.200	43	1034778	415.357	ug/l	100
60) Dibromochloromethane	11.359	129	307475	82.773	ug/l	100
61) 1,2-Dibromoethane	11.470	107	277617	80.735	ug/l	99
64) Tetrachloroethene	11.106	164	275241	65.955	ug/l	99
65) Chlorobenzene	11.894	112	744778	75.267	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.964	131	287174	78.034	ug/l	99
67) Ethyl Benzene	11.964	91	1361237	80.013	ug/l	100
68) m/p-Xylenes	12.070	106	1092867	162.630	ug/l	98
69) o-Xylene	12.400	106	532038	80.751	ug/l	98
70) Styrene	12.412	104	885741	84.935	ug/l	99
71) Bromoform	12.582	173	228835	85.815	ug/l #	100
73) Isopropylbenzene	12.700	105	1395160	75.192	ug/l	100
74) N-amyl acetate	12.494	43	429886	82.135	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	382091	70.064	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	329099m	65.762	ug/l	
77) Bromobenzene	12.982	156	330022	71.293	ug/l	100
78) n-propylbenzene	13.041	91	1620281	78.998	ug/l	100
79) 2-Chlorotoluene	13.129	91	937812	73.407	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	1192854	76.395	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	117145	80.143	ug/l	97
82) 4-Chlorotoluene	13.129	91	937812	73.407	ug/l	100
83) tert-Butylbenzene	13.441	119	1046292	75.135	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1209296	79.311	ug/l	99
85) sec-Butylbenzene	13.617	105	1513706	79.725	ug/l	100
86) p-Isopropyltoluene	13.729	119	1296140	83.655	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	641823	75.636	ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	639291	75.916	ug/l	100
89) n-Butylbenzene	14.058	91	1076797	87.802	ug/l	99
90) Hexachloroethane	14.335	117	220210	80.728	ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	629182	73.565	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	73257	80.656	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	325551	88.775	ug/l	98
94) Hexachlorobutadiene	15.500	225	168799	75.585	ug/l	98
95) Naphthalene	15.641	128	976754	95.753	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	310091	86.726	ug/l	100

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

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