

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041123\
 Data File : VN077295.D
 Acq On : 11 Apr 2023 11:23
 Operator : JC\MD
 Sample : VN0411WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/12/2023
 Supervised By : Mahesh Dadoda 04/12/2023

Quant Time: Apr 12 04:37:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N040523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 06 08:27:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.225	168	458843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	886274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	817262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	342210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	323684	51.615	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.220%			
35) Dibromofluoromethane	8.172	113	287459	50.666	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.340%			
50) Toluene-d8	10.566	98	1155874	50.607	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.848	95	385271	50.718	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	110595	18.884	ug/l	92
3) Chloromethane	2.372	50	127368	17.550	ug/l	99
4) Vinyl Chloride	2.525	62	180437	18.337	ug/l	97
5) Bromomethane	2.960	94	130022	18.227	ug/l	97
6) Chloroethane	3.131	64	128709	18.328	ug/l	98
7) Trichlorofluoromethane	3.502	101	169493	19.865	ug/l	95
8) Diethyl Ether	3.972	74	70844	19.814	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.384	101	104109	19.938	ug/l	99
10) Methyl Iodide	4.596	142	123067	19.379	ug/l	96
11) Tert butyl alcohol	5.525	59	120569	94.221	ug/l	98
12) 1,1-Dichloroethene	4.354	96	103480	19.252	ug/l	91
13) Acrolein	4.184	56	126292	104.206	ug/l	96
14) Allyl chloride	5.031	41	137004	16.876	ug/l	94
15) Acrylonitrile	5.731	53	280994	99.327	ug/l	100
16) Acetone	4.437	43	233004	100.771	ug/l	98
17) Carbon Disulfide	4.719	76	271278	18.716	ug/l	97
18) Methyl Acetate	5.031	43	169485	19.246	ug/l	96
19) Methyl tert-butyl Ether	5.801	73	388635	20.377	ug/l	98
20) Methylene Chloride	5.290	84	125661	19.243	ug/l	92
21) trans-1,2-Dichloroethene	5.796	96	116030	19.716	ug/l	97
22) Diisopropyl ether	6.678	45	319320	19.620	ug/l	95
23) Vinyl Acetate	6.613	43	1079823	98.125	ug/l	99
24) 1,1-Dichloroethane	6.578	63	201833	19.204	ug/l	99
25) 2-Butanone	7.490	43	357939	95.383	ug/l	99
26) 2,2-Dichloropropane	7.495	77	193891	20.119	ug/l	98
27) cis-1,2-Dichloroethene	7.495	96	141622	19.706	ug/l	97
28) Bromochloromethane	7.819	49	88310	20.889	ug/l	98
29) Tetrahydrofuran	7.842	42	220003	91.201	ug/l	94
30) Chloroform	7.972	83	222899	19.888	ug/l	98
31) Cyclohexane	8.260	56	182645	18.743	ug/l	98
32) 1,1,1-Trichloroethane	8.172	97	202018	19.820	ug/l	97
36) 1,1-Dichloropropene	8.378	75	158921	18.939	ug/l	97
37) Ethyl Acetate	7.566	43	152491	20.311	ug/l	98
38) Carbon Tetrachloride	8.366	117	169052	19.664	ug/l	97
39) Methylcyclohexane	9.607	83	223031	19.711	ug/l	94
40) Benzene	8.613	78	505313	19.306	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	79345	19.661	ug/l	98
42) 1,2-Dichloroethane	8.672	62	159941	19.855	ug/l	97
43) Isopropyl Acetate	8.695	43	264000	19.056	ug/l	98
44) Trichloroethene	9.354	130	125013	19.962	ug/l	97
45) 1,2-Dichloropropane	9.625	63	125845	20.245	ug/l	100
46) Dibromomethane	9.713	93	90945	19.418	ug/l	98
47) Bromodichloromethane	9.889	83	183324	19.584	ug/l	99
48) Methyl methacrylate	9.684	41	111258	18.826	ug/l	96
49) 1,4-Dioxane	9.695	88	55166	385.017	ug/l	97
51) 4-Methyl-2-Pentanone	10.448	43	796008	99.404	ug/l	99
52) Toluene	10.631	92	339380	19.810	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	205895	20.255	ug/l	96
54) cis-1,3-Dichloropropene	10.313	75	211693	19.551	ug/l	99
55) 1,1,2-Trichloroethane	11.019	97	132341	19.679	ug/l	97
56) Ethyl methacrylate	10.878	69	207297	19.790	ug/l	98
57) 1,3-Dichloropropane	11.166	76	225317	20.280	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.160	63	306582	98.323	ug/l	98
59) 2-Hexanone	11.195	43	585988	98.225	ug/l	100
60) Dibromochloromethane	11.360	129	144338	20.839	ug/l	99
61) 1,2-Dibromoethane	11.472	107	138535	20.639	ug/l	99
64) Tetrachloroethene	11.107	164	100699	19.946	ug/l	95
65) Chlorobenzene	11.895	112	358199	19.908	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.966	131	133735	19.644	ug/l	99
67) Ethyl Benzene	11.966	91	644231	19.403	ug/l	98
68) m/p-Xylenes	12.072	106	505446	38.743	ug/l	99
69) o-Xylene	12.401	106	252500	19.619	ug/l	98
70) Styrene	12.413	104	401693	19.395	ug/l	99
71) Bromoform	12.583	173	93574	19.526	ug/l #	100
73) Isopropylbenzene	12.701	105	638418	19.207	ug/l	99
74) N-amyl acetate	12.495	43	225626	17.912	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.936	83	204682	19.622	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	148416m	18.213	ug/l	
77) Bromobenzene	12.983	156	133551	19.761	ug/l	97
78) n-propylbenzene	13.036	91	716155	19.500	ug/l	99
79) 2-Chlorotoluene	13.124	91	424383	19.191	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	527969	19.887	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	75772	20.924	ug/l #	83
82) 4-Chlorotoluene	13.224	91	413086	19.812	ug/l	99
83) tert-Butylbenzene	13.442	119	457288	19.352	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	516602	19.697	ug/l	100
85) sec-Butylbenzene	13.619	105	654859	19.885	ug/l	99
86) p-Isopropyltoluene	13.730	119	515057	19.900	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	247513	19.795	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	239574	19.430	ug/l	97
89) n-Butylbenzene	14.060	91	433571	20.179	ug/l	98
90) Hexachloroethane	14.336	117	109421	19.336	ug/l	94
91) 1,2-Dichlorobenzene	14.107	146	245260	19.608	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	37560	19.000	ug/l	96
93) 1,2,4-Trichlorobenzene	15.365	180	82650	18.304	ug/l	98
94) Hexachlorobutadiene	15.465	225	49673	19.004	ug/l	98
95) Naphthalene	15.589	128	324955	19.157	ug/l	100
96) 1,2,3-Trichlorobenzene	15.754	180	83492	19.331	ug/l	96

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

