

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102121\
 Data File : VN069107.D
 Acq On : 22 Oct 2021 00:01
 Operator : JC/MD
 Sample : VN1021WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1021WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/22/2021 7:09:29 PM

Quant Time: Oct 22 01:37:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 05:44:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	286082	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	518231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	485433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	198602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	190378	50.473	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.940%			
35) Dibromofluoromethane	8.024	113	145506	48.259	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.520%			
50) Toluene-d8	10.443	98	584618	48.460	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.920%			
62) 4-Bromofluorobenzene	12.734	95	213532	46.914	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	63637	18.663	ug/l	100
3) Chloromethane	2.303	50	70939	20.287	ug/l	99
4) Vinyl Chloride	2.445	62	83967	23.642	ug/l	100
5) Bromomethane	2.848	94	56869	29.110	ug/l	96
6) Chloroethane	3.014	64	55149	26.348	ug/l	99
7) Trichlorofluoromethane	3.373	101	109117	21.941	ug/l	96
8) Diethyl Ether	3.827	74	40706	21.943	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.216	101	58706	21.953	ug/l	99
10) Methyl Iodide	4.427	142	74520	19.200	ug/l	98
11) Tert butyl alcohol	5.366	59	68734	99.727	ug/l	98
12) 1,1-Dichloroethene	4.189	96	56644	20.491	ug/l	97
13) Acrolein	4.041	56	24635	80.799	ug/l	94
14) Allyl chloride	4.846	41	95891	19.351	ug/l	95
15) Acrylonitrile	5.557	53	164015	106.203	ug/l	98
16) Acetone	4.288	43	138513	98.404	ug/l	100
17) Carbon Disulfide	4.535	76	133401	17.782	ug/l	100
18) Methyl Acetate	4.857	43	119090	22.306	ug/l	98
19) Methyl tert-butyl Ether	5.618	73	223868	21.750	ug/l	99
20) Methylene Chloride	5.106	84	71606	22.102	ug/l	97
21) trans-1,2-Dichloroethene	5.605	96	60706	20.327	ug/l	97
22) Diisopropyl ether	6.498	45	216881	21.046	ug/l	100
23) Vinyl Acetate	6.436	43	799741	102.655	ug/l	99
24) 1,1-Dichloroethane	6.391	63	122027	21.794	ug/l	99
25) 2-Butanone	7.335	43	223035	104.784	ug/l	100
26) 2,2-Dichloropropane	7.329	77	86362	16.185	ug/l	98
27) cis-1,2-Dichloroethene	7.329	96	76942	21.313	ug/l	97
28) Bromochloromethane	7.659	49	44637	17.602	ug/l	97
29) Tetrahydrofuran	7.686	42	146490	106.102	ug/l	95
30) Chloroform	7.820	83	132196	22.404	ug/l	99
31) Cyclohexane	8.099	56	110701	18.876	ug/l	93
32) 1,1,1-Trichloroethane	8.016	97	116914	21.254	ug/l	99
36) 1,1-Dichloropropene	8.225	75	92637	20.928	ug/l	99
37) Ethyl Acetate	7.412	43	93276	20.403	ug/l	99
38) Carbon Tetrachloride	8.209	117	98201	20.200	ug/l	98
39) Methylcyclohexane	9.462	83	111684	19.603	ug/l	97
40) Benzene	8.461	78	286562	21.260	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	47970	20.816	ug/l	97
42) 1,2-Dichloroethane	8.531	62	106024	22.213	ug/l	99
43) Isopropyl Acetate	8.560	43	165725	20.545	ug/l	99
44) Trichloroethene	9.217	130	71543	21.208	ug/l	98
45) 1,2-Dichloropropane	9.494	63	73534	21.024	ug/l	100
46) Dibromomethane	9.580	93	51656	21.636	ug/l	99
47) Bromodichloromethane	9.765	83	103391	20.898	ug/l	99
48) Methyl methacrylate	9.561	41	70976	18.727	ug/l	87
49) 1,4-Dioxane	9.569	88	29011	414.376	ug/l	94
51) 4-Methyl-2-Pentanone	10.333	43	494122	105.646	ug/l	99
52) Toluene	10.508	92	189783	21.885	ug/l	99
53) t-1,3-Dichloropropene	10.722	75	108415	19.345	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	114564	19.648	ug/l	99
55) 1,1,2-Trichloroethane	10.899	97	75336	22.034	ug/l	97
56) Ethyl methacrylate	10.762	69	122400	21.322	ug/l	96
57) 1,3-Dichloropropane	11.047	76	125772	22.309	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.044	63	158306	105.469	ug/l	99
59) 2-Hexanone	11.087	43	360519	107.485	ug/l	100
60) Dibromochloromethane	11.240	129	75205	19.487	ug/l	98
61) 1,2-Dibromoethane	11.347	107	76878	21.921	ug/l	100
64) Tetrachloroethene	10.980	164	64382	20.588	ug/l	99
65) Chlorobenzene	11.773	112	202039	21.995	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	75340	20.955	ug/l	99
67) Ethyl Benzene	11.846	91	372627	21.838	ug/l	100
68) m/p-Xylenes	11.956	106	275708	42.624	ug/l	99
69) o-Xylene	12.283	106	140291	21.668	ug/l	99
70) Styrene	12.296	104	226229	21.465	ug/l	100
71) Bromoform	12.460	173	54404	18.890	ug/l #	99
73) Isopropylbenzene	12.581	105	362673	21.939	ug/l	100
74) N-amyl acetate	12.390	43	134467	21.471	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.830	83	112420	23.533	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	86997m	20.588	ug/l	
77) Bromobenzene	12.862	156	81901	22.406	ug/l	97
78) n-propylbenzene	12.921	91	405652	21.836	ug/l	99
79) 2-Chlorotoluene	13.010	91	254254	22.205	ug/l	99
80) 1,3,5-Trimethylbenzene	13.061	105	303123	22.015	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.629	75	29187	16.525	ug/l	94
82) 4-Chlorotoluene	13.106	91	243448	22.002	ug/l	99
83) tert-Butylbenzene	13.326	119	262532	21.903	ug/l	99
84) 1,2,4-Trimethylbenzene	13.372	105	291629	21.982	ug/l	99
85) sec-Butylbenzene	13.503	105	360684	21.728	ug/l	99
86) p-Isopropyltoluene	13.619	119	282966	21.252	ug/l	99
87) 1,3-Dichlorobenzene	13.619	146	139484	22.060	ug/l	99
88) 1,4-Dichlorobenzene	13.696	146	137460	21.905	ug/l	99
89) n-Butylbenzene	13.946	91	222001	20.028	ug/l	100
90) Hexachloroethane	14.214	117	53586	19.159	ug/l	99
91) 1,2-Dichlorobenzene	13.991	146	137751	22.428	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.606	75	18761	20.369	ug/l	98
93) 1,2,4-Trichlorobenzene	15.268	180	61119	19.972	ug/l	99
94) Hexachlorobutadiene	15.373	225	35376	20.227	ug/l	98
95) Naphthalene	15.509	128	173279	21.179	ug/l	100
96) 1,2,3-Trichlorobenzene	15.705	180	60687	20.674	ug/l	99

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

