

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083021\
 Data File : VN068362.D
 Acq On : 30 Aug 2021 17:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN083021

Manual Integrations
 APPROVED

MMDadoda
 8/31/2021 5:42:24 PM

Quant Time: Aug 31 02:23:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 31 02:20:58 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	642931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	937833	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	934845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	491008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	337252	51.392	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.780%			
35) Dibromofluoromethane	8.021	113	312221	52.509	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.020%			
50) Toluene-d8	10.443	98	1223886	54.984	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.960%			
62) 4-Bromofluorobenzene	12.733	95	424221	58.074	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 116.140%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	239507	44.765	ug/l	99
3) Chloromethane	2.301	50	249250	44.452	ug/l	97
4) Vinyl Chloride	2.443	62	401711	46.987	ug/l	99
5) Bromomethane	2.837	94	357944	50.529	ug/l	99
6) Chloroethane	3.009	64	289786	47.286	ug/l	98
7) Trichlorofluoromethane	3.368	101	798771	47.017	ug/l	99
8) Diethyl Ether	3.816	74	226082	46.200	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.202	101	248844	46.410	ug/l	98
10) Methyl Iodide	4.414	142	360375	52.675	ug/l	100
11) Tert butyl alcohol	5.390	59	204562	238.386	ug/l	99
12) 1,1-Dichloroethene	4.170	96	233320	46.541	ug/l	98
13) Acrolein	4.041	56	118839	213.229	ug/l	95
14) Allyl chloride	4.835	41	301299	47.777	ug/l	100
15) Acrylonitrile	5.557	53	567709	241.972	ug/l	99
16) Acetone	4.288	43	453713	261.314	ug/l	97
17) Carbon Disulfide	4.521	76	631093	46.687	ug/l	99
18) Methyl Acetate	4.854	43	254716	52.032	ug/l	100
19) Methyl tert-butyl Ether	5.621	73	810577	50.026	ug/l	99
20) Methylene Chloride	5.093	84	280727	51.791	ug/l	99
21) trans-1,2-Dichloroethene	5.591	96	270092	48.144	ug/l	100
22) Diisopropyl ether	6.501	45	709089	51.464	ug/l	98
23) Vinyl Acetate	6.434	43	2480888	233.488	ug/l	99
24) 1,1-Dichloroethane	6.385	63	437848	47.679	ug/l	99
25) 2-Butanone	7.340	43	735794	244.600	ug/l	99
26) 2,2-Dichloropropane	7.324	77	417180	48.784	ug/l	100
27) cis-1,2-Dichloroethene	7.324	96	322473	49.080	ug/l	99
28) Bromochloromethane	7.659	49	202792	52.236	ug/l	100
29) Tetrahydrofuran	7.689	42	486692	252.434	ug/l	99
30) Chloroform	7.820	83	538118	48.823	ug/l	99
31) Cyclohexane	8.094	56	408232	47.207	ug/l	97
32) 1,1,1-Trichloroethane	8.016	97	508265	49.988	ug/l	99
36) 1,1-Dichloropropene	8.220	75	381478	51.146	ug/l	99
37) Ethyl Acetate	7.415	43	313296	50.421	ug/l	99
38) Carbon Tetrachloride	8.206	117	465185	52.189	ug/l	98
39) Methylcyclohexane	9.461	83	494930	53.242	ug/l	98
40) Benzene	8.461	78	1187353	51.536	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	139183	47.818	ug/l	98
42) 1,2-Dichloroethane	8.531	62	391981	50.764	ug/l	100
43) Isopropyl Acetate	8.563	43	532352	52.959	ug/l	100
44) Trichloroethene	9.217	130	359845	50.589	ug/l	100
45) 1,2-Dichloropropane	9.491	63	275645	51.540	ug/l	96
46) Dibromomethane	9.579	93	225531	51.762	ug/l	98
47) Bromodichloromethane	9.765	83	438939	52.730	ug/l	100
48) Methyl methacrylate	9.561	41	224515	51.049	ug/l	94
49) 1,4-Dioxane	9.571	88	110691	1067.794	ug/l	98
51) 4-Methyl-2-Pentanone	10.333	43	1667683	265.472	ug/l	100
52) Toluene	10.507	92	848106	54.731	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	455459	55.054	ug/l	100
54) cis-1,3-Dichloropropene	10.191	75	476623	54.256	ug/l	98
55) 1,1,2-Trichloroethane	10.899	97	329031	52.537	ug/l	98
56) Ethyl methacrylate	10.762	69	445471	49.420	ug/l	99
57) 1,3-Dichloropropane	11.047	76	500889	53.150	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	353607	223.016	ug/l	99
59) 2-Hexanone	11.087	43	1179059	269.607	ug/l	100
60) Dibromochloromethane	11.242	129	402894	55.861	ug/l	100
61) 1,2-Dibromoethane	11.347	107	360327	54.464	ug/l	99
64) Tetrachloroethene	10.979	164	377129	51.648	ug/l	97
65) Chlorobenzene	11.773	112	960658	51.167	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	385783	52.661	ug/l	99
67) Ethyl Benzene	11.846	91	1625586	52.956	ug/l	99
68) m/p-Xylenes	11.956	106	1350110	109.179	ug/l	99
69) o-Xylene	12.283	106	655941	55.138	ug/l	98
70) Styrene	12.296	104	1069457	57.106	ug/l	100
71) Bromoform	12.460	173	344760	48.995	ug/l #	100
73) Isopropylbenzene	12.581	105	1688269	47.909	ug/l	100
74) N-amyl acetate	12.390	43	421494	47.855	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.830	83	469321	44.478	ug/l	100
76) 1,2,3-Trichloropropane	12.884	75	389985m	46.734	ug/l	
77) Bromobenzene	12.862	156	485597	48.697	ug/l	98
78) n-propylbenzene	12.921	91	1829301	49.005	ug/l	100
79) 2-Chlorotoluene	13.010	91	1077362	46.655	ug/l	99
80) 1,3,5-Trimethylbenzene	13.061	105	1422420	49.675	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.629	75	129027	51.086	ug/l	99
82) 4-Chlorotoluene	13.106	91	1064115	47.718	ug/l	100
83) tert-Butylbenzene	13.326	119	1278097	48.731	ug/l	99
84) 1,2,4-Trimethylbenzene	13.369	105	1397793	49.905	ug/l	99
85) sec-Butylbenzene	13.503	105	1735814	50.318	ug/l	100
86) p-Isopropyltoluene	13.619	119	1498844	52.543	ug/l	100
87) 1,3-Dichlorobenzene	13.619	146	836433	49.237	ug/l	100
88) 1,4-Dichlorobenzene	13.696	146	810392	47.936	ug/l	99
89) n-Butylbenzene	13.946	91	1075791	50.029	ug/l	100
90) Hexachloroethane	14.214	117	266800	48.543	ug/l	100
91) 1,2-Dichlorobenzene	13.991	146	790251	49.007	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.608	75	75169	45.876	ug/l	99
93) 1,2,4-Trichlorobenzene	15.265	180	397689	45.573	ug/l	99
94) Hexachlorobutadiene	15.373	225	239038	51.076	ug/l	98
95) Naphthalene	15.509	128	881472	43.925	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	381032	45.920	ug/l	99

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

