

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083021\
 Data File : VN068361.D
 Acq On : 30 Aug 2021 17:08
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 8/31/2021 5:42:22 PM

Quant Time: Aug 31 01:46:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 31 01:43:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	559377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	858485	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	782588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	311173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	30412	5.294	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	10.580%#		
35) Dibromofluoromethane	8.024	113	27692	5.186	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.380%#		
50) Toluene-d8	10.443	98	94967	4.611	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	9.220%#		
62) 4-Bromofluorobenzene	12.734	95	29272	4.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	8.620%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.075	85	23556	4.918	ug/l	99
3) Chloromethane	2.301	50	25991	5.261	ug/l	99
4) Vinyl Chloride	2.446	62	40803	5.479	ug/l	97
5) Bromomethane	2.837	94	43429	6.046	ug/l	96
6) Chloroethane	3.009	64	29689	5.558	ug/l	99
7) Trichlorofluoromethane	3.368	101	81121	5.547	ug/l	99
8) Diethyl Ether	3.824	74	24858	5.712	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.200	101	25289	5.289	ug/l #	64
10) Methyl Iodide	4.419	142	26187	4.307	ug/l	98
11) Tert butyl alcohol	5.404	59	21923m	30.420	ug/l	
12) 1,1-Dichloroethene	4.173	96	22608	5.185	ug/l	96
13) Acrolein	4.039	56	13990	27.929	ug/l	98
14) Allyl chloride	4.832	41	29098	5.196	ug/l	99
15) Acrylonitrile	5.562	53	54799	26.320	ug/l	98
16) Acetone	4.296	43	51437	26.747	ug/l	99
17) Carbon Disulfide	4.519	76	59672	4.887	ug/l	98
18) Methyl Acetate	4.859	43	27855	5.249	ug/l #	79
19) Methyl tert-butyl Ether	5.626	73	71501	5.024	ug/l	99
20) Methylene Chloride	5.093	84	30911	5.320	ug/l	97
21) trans-1,2-Dichloroethene	5.599	96	26025m	5.236	ug/l	
22) Diisopropyl ether	6.498	45	63864	5.316	ug/l	97
23) Vinyl Acetate	6.436	43	237133m	29.149	ug/l	
24) 1,1-Dichloroethane	6.388	63	43249	5.342	ug/l	99
25) 2-Butanone	7.343	43	70928	25.999	ug/l	97
26) 2,2-Dichloropropane	7.327	77	39929	5.225	ug/l	99
27) cis-1,2-Dichloroethene	7.324	96	30155	5.141	ug/l	94
28) Bromochloromethane	7.654	49	19023m	5.795	ug/l	
29) Tetrahydrofuran	7.691	42	42682	25.040	ug/l	99
30) Chloroform	7.820	83	51339	5.350	ug/l	99
31) Cyclohexane	8.094	56	44648	5.891	ug/l #	83
32) 1,1,1-Trichloroethane	8.013	97	46444	5.214	ug/l	99
36) 1,1-Dichloropropene	8.220	75	33846	4.977	ug/l	99
37) Ethyl Acetate	7.421	43	27934	4.832	ug/l	98
38) Carbon Tetrachloride	8.206	117	39961	4.869	ug/l	97
39) Methylcyclohexane	9.462	83	40487	4.726	ug/l	97
40) Benzene	8.461	78	107773	5.053	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.640	41	14484	5.283	ug/l	88
42) 1,2-Dichloroethane	8.531	62	35923	5.008	ug/l	98
43) Isopropyl Acetate	8.563	43	47394	5.026	ug/l	98
44) Trichloroethene	9.217	130	32433	4.967	ug/l	99
45) 1,2-Dichloropropane	9.488	63	25684	5.172	ug/l	90
46) Dibromomethane	9.580	93	20637	5.029	ug/l	91
47) Bromodichloromethane	9.765	83	39540	5.192	ug/l	100
48) Methyl methacrylate	9.563	41	18921	4.672	ug/l	95
49) 1,4-Dioxane	9.574	88	9047	87.885	ug/l	95
51) 4-Methyl-2-Pentanone	10.333	43	145322	24.177	ug/l	96
52) Toluene	10.508	92	69884	4.826	ug/l	99
53) t-1,3-Dichloropropene	10.722	75	36504	4.720	ug/l	96
54) cis-1,3-Dichloropropene	10.191	75	39237	4.809	ug/l	96
55) 1,1,2-Trichloroethane	10.899	97	28537	4.879	ug/l	94
56) Ethyl methacrylate	10.762	69	32904	4.378	ug/l	96
57) 1,3-Dichloropropane	11.047	76	43578	4.990	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.044	63	22443	20.670	ug/l #	73
59) 2-Hexanone	11.089	43	98461	21.619	ug/l	95
60) Dibromochloromethane	11.242	129	31504	4.703	ug/l	97
61) 1,2-Dibromoethane	11.347	107	29318	4.737	ug/l	98
64) Tetrachloroethene	10.980	164	30497	4.918	ug/l	93
65) Chlorobenzene	11.771	112	79534	4.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	30091	4.828	ug/l	95
67) Ethyl Benzene	11.849	91	122755	4.645	ug/l	96
68) m/p-Xylenes	11.956	106	97795	9.136	ug/l	97
69) o-Xylene	12.283	106	46998	4.596	ug/l	97
70) Styrene	12.296	104	70948	4.287	ug/l	97
71) Bromoform	12.460	173	21980	4.338	ug/l #	100
73) Isopropylbenzene	12.581	105	121027	5.276	ug/l	97
74) N-amyl acetate	12.393	43	29575	4.234	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.827	83	38190	5.511	ug/l	100
76) 1,2,3-Trichloropropane	12.884	75	31707m	6.416	ug/l	
77) Bromobenzene	12.865	156	32617	4.900	ug/l	89
78) n-propylbenzene	12.924	91	124199	4.961	ug/l	97
79) 2-Chlorotoluene	13.010	91	78048	5.136	ug/l	96
80) 1,3,5-Trimethylbenzene	13.063	105	97028	5.135	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.626	75	8144	5.069	ug/l	90
82) 4-Chlorotoluene	13.106	91	74965	4.951	ug/l	94
83) tert-Butylbenzene	13.326	119	86604	5.067	ug/l	95
84) 1,2,4-Trimethylbenzene	13.369	105	93022	4.967	ug/l	97
85) sec-Butylbenzene	13.503	105	115639	5.000	ug/l	98
86) p-Isopropyltoluene	13.619	119	90923	4.696	ug/l	97
87) 1,3-Dichlorobenzene	13.619	146	52641	4.466	ug/l	98
88) 1,4-Dichlorobenzene	13.696	146	52760	4.288	ug/l	93
89) n-Butylbenzene	13.946	91	65573	4.113	ug/l	94
90) Hexachloroethane	14.211	117	18099	5.065	ug/l	84
91) 1,2-Dichlorobenzene	13.991	146	50491	4.409	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.603	75	5729	4.449	ug/l	82
93) 1,2,4-Trichlorobenzene	15.268	180	20823	2.793	ug/l	99
94) Hexachlorobutadiene	15.373	225	14104	4.285	ug/l	95
95) Naphthalene	15.509	128	43783	2.062	ug/l	100
96) 1,2,3-Trichlorobenzene	15.705	180	19745	2.532	ug/l	98

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

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