

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101221\
 Data File : VN068859.D
 Acq On : 12 Oct 2021 10:59
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 10/14/2021 1:30:05 PM

Quant Time: Oct 13 04:56:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N101221W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 13 04:54:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	438323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	765730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	685350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	250452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	30324	4.301	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	8.600%#		
35) Dibromofluoromethane	8.024	113	23457	4.447	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	8.900%#		
50) Toluene-d8	10.440	98	90207	4.307	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	8.620%#		
62) 4-Bromofluorobenzene	12.733	95	31124	4.281	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	8.560%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.072	85	18099	3.780	ug/l	100
3) Chloromethane	2.300	50	23824	3.207	ug/l	96
4) Vinyl Chloride	2.443	62	23637	3.237	ug/l	99
5) Bromomethane	2.837	94	14721	4.367	ug/l	97
6) Chloroethane	3.006	64	14740	3.533	ug/l	93
7) Trichlorofluoromethane	3.370	101	33874	3.915	ug/l	96
8) Diethyl Ether	3.826	74	12606	4.123	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.213	101	17918	3.869	ug/l #	86
10) Methyl Iodide	4.425	142	22557	3.903	ug/l	99
11) Tert butyl alcohol	5.366	59	22769	21.392	ug/l #	86
12) 1,1-Dichloroethene	4.186	96	19147	4.330	ug/l	97
13) Acrolein	4.041	56	14105	36.999	ug/l	98
14) Allyl chloride	4.846	41	34440	3.812	ug/l	99
15) Acrylonitrile	5.556	53	53947	19.374	ug/l	98
16) Acetone	4.290	43	47106	17.021	ug/l	95
17) Carbon Disulfide	4.532	76	49127	3.771	ug/l	99
18) Methyl Acetate	4.859	43	38769	3.911	ug/l	97
19) Methyl tert-butyl Ether	5.613	73	69728	4.183	ug/l	97
20) Methylene Chloride	5.100	84	23744	3.994	ug/l	96
21) trans-1,2-Dichloroethene	5.602	96	20322	4.221	ug/l	94
22) Diisopropyl ether	6.498	45	70372	3.784	ug/l	97
23) Vinyl Acetate	6.433	43	260173	17.893	ug/l	100
24) 1,1-Dichloroethane	6.390	63	38215	3.921	ug/l	99
25) 2-Butanone	7.337	43	71863	17.643	ug/l	95
26) 2,2-Dichloropropane	7.324	77	36209	4.258	ug/l	94
27) cis-1,2-Dichloroethene	7.326	96	24348	4.264	ug/l	96
28) Bromochloromethane	7.656	49	20069	4.641	ug/l	100
29) Tetrahydrofuran	7.688	42	46766	18.098	ug/l	99
30) Chloroform	7.817	83	40207	4.043	ug/l	98
31) Cyclohexane	8.093	56	45275	4.742	ug/l #	81
32) 1,1,1-Trichloroethane	8.016	97	35376	4.035	ug/l #	86
36) 1,1-Dichloropropene	8.222	75	28465	3.727	ug/l	98
37) Ethyl Acetate	7.415	43	29696	3.475	ug/l	99
38) Carbon Tetrachloride	8.206	117	29859	3.750	ug/l	96
39) Methylcyclohexane	9.459	83	35994	3.969	ug/l	96
40) Benzene	8.461	78	86942	3.856	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.632	41	14203	3.134	ug/l	92
42) 1,2-Dichloroethane	8.531	62	30953	3.564	ug/l	97
43) Isopropyl Acetate	8.560	43	51769	3.510	ug/l	99
44) Trichloroethene	9.217	130	21752	3.978	ug/l	98
45) 1,2-Dichloropropane	9.491	63	22786	3.864	ug/l	99
46) Dibromomethane	9.579	93	15633	3.989	ug/l	100
47) Bromodichloromethane	9.762	83	31151	3.820	ug/l	99
48) Methyl methacrylate	9.558	41	24484	3.670	ug/l	96
49) 1,4-Dioxane	9.569	88	8199	81.653	ug/l #	86
51) 4-Methyl-2-Pentanone	10.330	43	151062	17.210	ug/l	99
52) Toluene	10.507	92	54491	3.809	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	35237	3.916	ug/l	100
54) cis-1,3-Dichloropropene	10.191	75	36314	3.858	ug/l	98
55) 1,1,2-Trichloroethane	10.899	97	22529	4.066	ug/l	97
56) Ethyl methacrylate	10.762	69	36016	4.041	ug/l	97
57) 1,3-Dichloropropane	11.046	76	36367	3.786	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	45528	19.708	ug/l	99
59) 2-Hexanone	11.087	43	105915	16.786	ug/l	99
60) Dibromochloromethane	11.237	129	24311	4.040	ug/l	97
61) 1,2-Dibromoethane	11.344	107	22327	3.934	ug/l	98
64) Tetrachloroethene	10.977	164	20607	4.523	ug/l	95
65) Chlorobenzene	11.773	112	56684	3.934	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	22773	4.301	ug/l	99
67) Ethyl Benzene	11.846	91	105996	4.025	ug/l	99
68) m/p-Xylenes	11.955	106	77985	8.042	ug/l	100
69) o-Xylene	12.280	106	39219	4.104	ug/l	99
70) Styrene	12.296	104	61675	4.008	ug/l	99
71) Bromoform	12.460	173	17290	4.261	ug/l #	100
73) Isopropylbenzene	12.580	105	99563	4.456	ug/l	98
74) N-amyl acetate	12.390	43	36207	3.865	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.830	83	29520	4.244	ug/l	98
76) 1,2,3-Trichloropropane	12.883	75	24056m	3.945	ug/l	
77) Bromobenzene	12.862	156	21846	4.260	ug/l	99
78) n-propylbenzene	12.921	91	107152	4.223	ug/l	100
79) 2-Chlorotoluene	13.009	91	66601	4.326	ug/l	100
80) 1,3,5-Trimethylbenzene	13.060	105	81483	4.607	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.629	75	10135	4.611	ug/l	99
82) 4-Chlorotoluene	13.106	91	61757	4.128	ug/l	99
83) tert-Butylbenzene	13.326	119	70848	4.423	ug/l	99
84) 1,2,4-Trimethylbenzene	13.369	105	76604	4.438	ug/l	99
85) sec-Butylbenzene	13.503	105	94156	4.311	ug/l	99
86) p-Isopropyltoluene	13.616	119	74461	4.269	ug/l	99
87) 1,3-Dichlorobenzene	13.616	146	35702	4.092	ug/l	100
88) 1,4-Dichlorobenzene	13.696	146	35294	3.975	ug/l	94
89) n-Butylbenzene	13.943	91	59051	3.899	ug/l	99
90) Hexachloroethane	14.211	117	16171	4.627	ug/l	99
91) 1,2-Dichlorobenzene	13.991	146	34240	4.022	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.605	75	5350	4.101	ug/l	99
93) 1,2,4-Trichlorobenzene	15.265	180	13245	3.168	ug/l	97
94) Hexachlorobutadiene	15.375	225	10818	4.692	ug/l	98
95) Naphthalene	15.509	128	27717	2.408	ug/l	99
96) 1,2,3-Trichlorobenzene	15.705	180	11840	2.905	ug/l	99

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

