

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031221\
 Data File : VN066176.D
 Acq On : 12 Mar 2021 9:57
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/15/2021 12:41:15 PM

Quant Time: Mar 12 11:04:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 12 11:03:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.585	168	322786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.512	114	521879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.347	117	519527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.286	152	207911	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.947	65	29187	5.86	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	11.72%#		
35) Dibromofluoromethane	7.507	113	17985	5.26	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	10.52%#		
50) Toluene-d8	10.028	98	75810	5.21	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	10.42%#		
62) 4-Bromofluorobenzene	12.345	95	26310	5.13	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	10.26%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.821	85	18927	5.33	ug/l	94
3) Chloromethane	2.019	50	33915	6.16	ug/l	95
4) Vinyl Chloride	2.148	62	25984	5.26	ug/l	98
5) Bromomethane	2.508	94	15237	5.67	ug/l	98
6) Chloroethane	2.650	64	15195	5.42	ug/l	90
7) Trichlorofluoromethane	2.963	101	30678	5.21	ug/l	100
8) Diethyl Ether	3.342	74	12550	5.70	ug/l	91
9) 1,1,2-Trichlorotrifluo...	3.674	101	16016	5.27	ug/l #	89
10) Methyl Iodide	3.870	142	19263	4.73	ug/l	99
11) Tert butyl alcohol	4.712	59	20634	25.13	ug/l	97
12) 1,1-Dichloroethene	3.655	96	15449	5.17	ug/l	95
13) Acrolein	3.532	56	34567	37.39	ug/l	99
14) Allyl chloride	4.229	41	39320	4.54	ug/l #	85
15) Acrylonitrile	4.881	53	62174	24.34	ug/l #	69
16) Acetone	3.736	43	82684	35.83	ug/l	99
17) Carbon Disulfide	3.961	76	48551	5.27	ug/l	100
18) Methyl Acetate	4.240	43	31998	4.52	ug/l	100
19) Methyl tert-butyl Ether	4.937	73	58659	4.62	ug/l	96
20) Methylene Chloride	4.449	84	21741	5.68	ug/l	85
21) trans-1,2-Dichloroethene	4.927	96	18020m	5.21	ug/l	
22) Diisopropyl ether	5.855	45	78813	4.66	ug/l	91
23) Vinyl Acetate	5.798	43	348080	23.85	ug/l	99
24) 1,1-Dichloroethane	5.739	63	43243	5.40	ug/l	99
25) 2-Butanone	6.748	43	101134	25.30	ug/l	99
26) 2,2-Dichloropropane	6.729	77	35253	5.30	ug/l	97
27) cis-1,2-Dichloroethene	6.732	96	21432	5.06	ug/l	99
28) Bromochloromethane	7.107	49	23219	5.33	ug/l	96
29) Tetrahydrofuran	7.123	42	63448	22.86	ug/l	99
30) Chloroform	7.281	83	38172	5.06	ug/l	98
31) Cyclohexane	7.574	56	41736	5.60	ug/l #	86
32) 1,1,1-Trichloroethane	7.483	97	32187	5.05	ug/l	99
36) 1,1-Dichloropropene	7.708	75	27190	4.73	ug/l	100
37) Ethyl Acetate	6.842	43	38118	4.56	ug/l #	94
38) Carbon Tetrachloride	7.689	117	25135	4.69	ug/l	96
39) Methylcyclohexane	9.009	83	33106	5.09	ug/l	96
40) Benzene	7.960	78	81908	4.63	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.094	41	21396m	4.86	ug/l	
42) 1,2-Dichloroethane	8.046	62	33595	5.06	ug/l	99
43) Isopropyl Acetate	8.089	43	63615	4.59	ug/l	98
44) Trichloroethene	8.765	130	19935	4.76	ug/l	95
45) 1,2-Dichloropropane	9.043	63	29449	5.52	ug/l	93
46) Dibromomethane	9.140	93	16163	5.51	ug/l	96
47) Bromodichloromethane	9.333	83	33344	4.97	ug/l	99
48) Methyl methacrylate	9.135	41	30665	4.65	ug/l	99
49) 1,4-Dioxane	9.132	88	7466	120.95	ug/l	98
51) 4-Methyl-2-Pentanone	9.921	43	213015	22.88	ug/l	97
52) Toluene	10.092	92	51981	4.66	ug/l	98
53) t-1,3-Dichloropropene	10.320	75	35541	4.66	ug/l	98
54) cis-1,3-Dichloropropene	9.773	75	39528	4.75	ug/l	97
55) 1,1,2-Trichloroethane	10.502	97	22532	5.08	ug/l	95
56) Ethyl methacrylate	10.371	69	31415	4.22	ug/l	95
57) 1,3-Dichloropropane	10.645	76	40225	4.93	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.631	63	49365	21.57	ug/l	98
59) 2-Hexanone	10.693	43	147509	21.99	ug/l	95
60) Dibromochloromethane	10.840	129	21869	4.73	ug/l	97
61) 1,2-Dibromoethane	10.945	107	21791	4.89	ug/l	97
64) Tetrachloroethene	10.570	164	24531	5.15	ug/l	93
65) Chlorobenzene	11.374	112	53955	4.87	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.449	131	20499	4.79	ug/l	97
67) Ethyl Benzene	11.452	91	93983	4.42	ug/l	99
68) m/p-Xylenes	11.562	106	69722	9.12	ug/l	96
69) o-Xylene	11.889	106	32585	4.48	ug/l	100
70) Styrene	11.908	104	48537	3.95	ug/l	96
71) Bromoform	12.069	173	14516	4.31	ug/l #	94
73) Isopropylbenzene	12.192	105	83065	5.00	ug/l	98
74) N-amyl acetate	12.020	43	21045	2.52	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.447	83	31771	5.65	ug/l	95
76) 1,2,3-Trichloropropane	12.498	75	25388m	4.79	ug/l	
77) Bromobenzene	12.466	156	20956	5.24	ug/l	97
78) n-propylbenzene	12.535	91	93491	4.78	ug/l	99
79) 2-Chlorotoluene	12.616	91	58946	5.09	ug/l	96
80) 1,3,5-Trimethylbenzene	12.678	105	68149	4.93	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.246	75	9108m	4.71	ug/l	
82) 4-Chlorotoluene	12.718	91	54597	4.59	ug/l	92
83) tert-Butylbenzene	12.938	119	57966	4.98	ug/l	95
84) 1,2,4-Trimethylbenzene	12.983	105	64964	4.64	ug/l	97
85) sec-Butylbenzene	13.115	105	74079	4.71	ug/l	97
86) p-Isopropyltoluene	13.233	119	63298	4.54	ug/l	96
87) 1,3-Dichlorobenzene	13.227	146	34362	4.92	ug/l	99
88) 1,4-Dichlorobenzene	13.305	146	33540	4.92	ug/l	90
89) n-Butylbenzene	13.560	91	52284	4.27	ug/l	97
90) Hexachloroethane	13.812	117	10227	4.83	ug/l	97
91) 1,2-Dichlorobenzene	13.597	146	32270	4.55	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.214	75	5842	4.71	ug/l	97
93) 1,2,4-Trichlorobenzene	14.853	180	16104	3.86	ug/l	96
94) Hexachlorobutadiene	14.949	225	12392	5.42	ug/l	98
95) Naphthalene	15.073	128	47182	3.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.247	180	17471	4.12	ug/l	96

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

