

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051421\
 Data File : VN067083.D
 Acq On : 14 May 2021 18:54
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/17/2021 4:26:17 PM

Quant Time: May 17 15:18:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051421W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 17 15:13:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.600	168	537496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.525	114	813354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.360	117	709502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.299	152	337531	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.959	65	105732	18.21	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	36.42%#
35) Dibromofluoromethane	7.519	113	97095	18.18	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	36.36%#
50) Toluene-d8	10.038	98	366720	18.12	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	36.24%#
62) 4-Bromofluorobenzene	12.358	95	122414	18.05	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	36.10%#

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.852	85	92547	18.92	ug/l	99
3) Chloromethane	2.051	50	105367	17.76	ug/l	99
4) Vinyl Chloride	2.179	62	111705	18.81	ug/l	98
5) Bromomethane	2.536	94	77218	18.77	ug/l	99
6) Chloroethane	2.678	64	65283	18.46	ug/l	93
7) Trichlorofluoromethane	2.987	101	146242	19.04	ug/l	98
8) Diethyl Ether	3.373	74	61575	18.85	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.714	101	92861	18.91	ug/l	98
10) Methyl Iodide	3.904	142	146248	18.07	ug/l	99
11) Tert butyl alcohol	4.714	59	90531	93.53	ug/l #	85
12) 1,1-Dichloroethene	3.692	96	91883	18.18	ug/l	98
13) Acrolein	3.566	56	26144	73.23	ug/l	100
14) Allyl chloride	4.261	41	142517	18.54	ug/l	99
15) Acrylonitrile	4.910	53	204921	95.18	ug/l	97
16) Acetone	3.770	43	167441	92.78	ug/l	100
17) Carbon Disulfide	4.000	76	240338	17.75	ug/l	98
18) Methyl Acetate	4.266	43	101726	19.11	ug/l	99
19) Methyl tert-butyl Ether	4.966	73	290955	19.03	ug/l	100
20) Methylene Chloride	4.486	84	109419	16.83	ug/l	97
21) trans-1,2-Dichloroethene	4.971	96	98629	18.27	ug/l	98
22) Diisopropyl ether	5.873	45	273339	19.00	ug/l	92
23) Vinyl Acetate	5.816	43	1208981	96.26	ug/l	99
24) 1,1-Dichloroethane	5.768	63	182794	18.78	ug/l	99
25) 2-Butanone	6.755	43	270174	96.18	ug/l	99
26) 2,2-Dichloropropane	6.741	77	164019	18.32	ug/l	100
27) cis-1,2-Dichloroethene	6.750	96	116661	18.10	ug/l	99
28) Bromochloromethane	7.117	49	74327	18.40	ug/l	99
29) Tetrahydrofuran	7.136	42	168998	96.71	ug/l	100
30) Chloroform	7.299	83	186944	18.75	ug/l	98
31) Cyclohexane	7.584	56	147163	18.40	ug/l	98
32) 1,1,1-Trichloroethane	7.498	97	167236	18.63	ug/l	99
36) 1,1-Dichloropropene	7.726	75	132626	17.87	ug/l	99
37) Ethyl Acetate	6.854	43	122091	18.81	ug/l	98
38) Carbon Tetrachloride	7.707	117	143630	18.18	ug/l	100
39) Methylcyclohexane	9.024	83	158922	18.29	ug/l	97
40) Benzene	7.975	78	419622	18.62	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.096	41	50374	19.05	ug/l	97
42) 1,2-Dichloroethane	8.058	62	134768	18.59	ug/l	98
43) Isopropyl Acetate	8.101	43	208133	19.14	ug/l #	92
44) Trichloroethene	8.777	130	119828	18.70	ug/l	98
45) 1,2-Dichloropropane	9.059	63	109963	18.66	ug/l	97
46) Dibromomethane	9.150	93	72639	18.47	ug/l	98
47) Bromodichloromethane	9.346	83	149179	18.31	ug/l	100
48) Methyl methacrylate	9.145	41	88881	19.30	ug/l	99
49) 1,4-Dioxane	9.147	88	30702	396.69	ug/l	96
51) 4-Methyl-2-Pentanone	9.928	43	590167	98.75	ug/l	99
52) Toluene	10.102	92	268699	18.46	ug/l	100
53) t-1,3-Dichloropropene	10.330	75	162446	18.70	ug/l	100
54) cis-1,3-Dichloropropene	9.786	75	184360	18.88	ug/l	99
55) 1,1,2-Trichloroethane	10.510	97	109615	18.96	ug/l	99
56) Ethyl methacrylate	10.381	69	152526	19.77	ug/l	99
57) 1,3-Dichloropropane	10.657	76	174047	18.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.641	63	98663	87.78	ug/l	98
59) 2-Hexanone	10.703	43	335517	90.30	ug/l	98
60) Dibromochloromethane	10.850	129	128235	18.83	ug/l	100
61) 1,2-Dibromoethane	10.955	107	110299	18.92	ug/l	99
64) Tetrachloroethene	10.579	164	115422	18.54	ug/l	99
65) Chlorobenzene	11.384	112	295259	18.66	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.459	131	117171	18.68	ug/l	99
67) Ethyl Benzene	11.464	91	501456	18.82	ug/l	100
68) m/p-Xylenes	11.574	106	390748	37.95	ug/l	98
69) o-Xylene	11.902	106	197864	19.09	ug/l	99
70) Styrene	11.920	104	303746	18.80	ug/l	99
71) Bromoform	12.084	173	93467	19.18	ug/l #	100
73) Isopropylbenzene	12.205	105	507096	17.99	ug/l	99
74) N-amyl acetate	12.049	43	47122m	10.59	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.459	83	152464	17.86	ug/l	99
76) 1,2,3-Trichloropropane	12.510	75	133426m	19.01	ug/l	
77) Bromobenzene	12.481	156	127557	18.19	ug/l	100
78) n-propylbenzene	12.545	91	529436	18.56	ug/l	99
79) 2-Chlorotoluene	12.628	91	334110	19.38	ug/l	99
80) 1,3,5-Trimethylbenzene	12.690	105	423633	18.01	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.261	75	36637	18.12	ug/l	94
82) 4-Chlorotoluene	12.730	91	312146	18.95	ug/l	99
83) tert-Butylbenzene	12.948	119	381942	17.20	ug/l	99
84) 1,2,4-Trimethylbenzene	12.996	105	401893	18.53	ug/l	98
85) sec-Butylbenzene	13.127	105	490656	18.50	ug/l	99
86) p-Isopropyltoluene	13.245	119	421613	18.32	ug/l	99
87) 1,3-Dichlorobenzene	13.240	146	212494	18.66	ug/l	99
88) 1,4-Dichlorobenzene	13.320	146	206763	17.44	ug/l	97
89) n-Butylbenzene	13.575	91	296165	17.65	ug/l	99
90) Hexachloroethane	13.827	117	77897	18.49	ug/l	98
91) 1,2-Dichlorobenzene	13.613	146	211376	18.36	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.235	75	23112	18.34	ug/l	96
93) 1,2,4-Trichlorobenzene	14.871	180	110174	18.40	ug/l	98
94) Hexachlorobutadiene	14.964	225	74091	17.97	ug/l	100
95) Naphthalene	15.090	128	219124	18.34	ug/l	99
96) 1,2,3-Trichlorobenzene	15.270	180	100568	18.88	ug/l	99

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

