

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070721\
 Data File : VN067636.D
 Acq On : 7 Jul 2021 15:45
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/8/2021 6:03:04 PM

Quant Time: Jul 07 16:01:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 07 15:42:53 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.085	168	561690	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.968	114	961937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	965466	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	471055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	779761	93.176	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 186.360%#			
35) Dibromofluoromethane	8.021	113	630778	105.942	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 211.880%#			
50) Toluene-d8	10.443	98	2587421	103.153	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 206.300%#			
62) 4-Bromofluorobenzene	12.733	95	944604	105.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 210.700%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.070	85	510925	87.200	ug/l	98
3) Chloromethane	2.298	50	641222	84.812	ug/l	98
4) Vinyl Chloride	2.440	62	924454	79.420	ug/l	98
5) Bromomethane	2.818	94	725428	79.254	ug/l	98
6) Chloroethane	2.990	64	627893	70.026	ug/l	97
7) Trichlorofluoromethane	3.357	101	1633697	73.386	ug/l	100
8) Diethyl Ether	3.813	74	397205	68.435	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.191	101	483081	92.680	ug/l	96
10) Methyl Iodide	4.409	142	681542	103.711	ug/l	92
11) Tert butyl alcohol	5.390	59	593714	510.137	ug/l	99
12) 1,1-Dichloroethene	4.167	96	474948	95.754	ug/l	88
13) Acrolein	4.036	56	296476	334.537	ug/l	100
14) Allyl chloride	4.830	41	889365	100.410	ug/l	97
15) Acrylonitrile	5.556	53	1565586	521.555	ug/l	99
16) Acetone	4.288	43	1183408	444.726	ug/l	93
17) Carbon Disulfide	4.516	76	1396905	99.196	ug/l	98
18) Methyl Acetate	4.854	43	674086	98.691	ug/l	94
19) Methyl tert-butyl Ether	5.618	73	2098633	102.738	ug/l	100
20) Methylene Chloride	5.087	84	619431	93.776	ug/l	88
21) trans-1,2-Dichloroethene	5.589	96	618588	102.987	ug/l	88
22) Diisopropyl ether	6.498	45	2064456	99.458	ug/l #	95
23) Vinyl Acetate	6.433	43	9080117	511.198	ug/l #	94
24) 1,1-Dichloroethane	6.382	63	1119594	98.760	ug/l	98
25) 2-Butanone	7.337	43	2185070	507.379	ug/l	93
26) 2,2-Dichloropropane	7.324	77	978313	95.026	ug/l	93
27) cis-1,2-Dichloroethene	7.324	96	750552	103.390	ug/l	84
28) Bromochloromethane	7.656	49	525870	95.911	ug/l #	70
29) Tetrahydrofuran	7.686	42	1448535	504.604	ug/l	90
30) Chloroform	7.817	83	1269770	98.140	ug/l	99
31) Cyclohexane	8.094	56	1033320	89.139	ug/l	92
32) 1,1,1-Trichloroethane	8.013	97	1144747	101.862	ug/l	96
36) 1,1-Dichloropropene	8.220	75	939340	103.591	ug/l	95
37) Ethyl Acetate	7.415	43	910051	104.307	ug/l	97
38) Carbon Tetrachloride	8.206	117	1006542	110.278	ug/l	99
39) Methylcyclohexane	9.461	83	1051292	105.669	ug/l	90
40) Benzene	8.461	78	2844728	106.025	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	451035	104.080	ug/l	91
42) 1,2-Dichloroethane	8.531	62	984006	99.770	ug/l	95
43) Isopropyl Acetate	8.563	43	1577568	103.994	ug/l #	95
44) Trichloroethene	9.217	130	732656	109.013	ug/l	85
45) 1,2-Dichloropropane	9.491	63	709288	105.865	ug/l	99
46) Dibromomethane	9.577	93	524376	107.950	ug/l #	89
47) Bromodichloromethane	9.764	83	1029649	110.111	ug/l	98
48) Methyl methacrylate	9.561	41	697860	104.605	ug/l	88
49) 1,4-Dioxane	9.571	88	274448	2287.317	ug/l #	88
51) 4-Methyl-2-Pentanone	10.333	43	5005182	538.910	ug/l	93
52) Toluene	10.507	92	1912193	106.887	ug/l	100
53) t-1,3-Dichloropropene	10.722	75	1147058	115.922	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	1205037	113.005	ug/l #	87
55) 1,1,2-Trichloroethane	10.902	97	742731	107.579	ug/l	96
56) Ethyl methacrylate	10.765	69	1217773	114.277	ug/l	87
57) 1,3-Dichloropropane	11.046	76	1232749	107.646	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	1461488	690.208	ug/l #	90
59) 2-Hexanone	11.089	43	3582016	549.464	ug/l	91
60) Dibromochloromethane	11.240	129	852364	119.963	ug/l	100
61) 1,2-Dibromoethane	11.347	107	791389	111.183	ug/l	99
64) Tetrachloroethene	10.979	164	738728	108.211	ug/l	92
65) Chlorobenzene	11.773	112	2111636	106.317	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.843	131	795575	112.826	ug/l	99
67) Ethyl Benzene	11.846	91	3816480	106.431	ug/l	95
68) m/p-Xylenes	11.956	106	2941030	214.783	ug/l	85
69) o-Xylene	12.283	106	1469112	108.330	ug/l	85
70) Styrene	12.296	104	2477493	112.825	ug/l	92
71) Bromoform	12.460	173	647242	128.685	ug/l #	99
73) Isopropylbenzene	12.580	105	3744163	96.528	ug/l	96
74) N-amyl acetate	12.390	43	1412337	103.126	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.830	83	1087782	98.036	ug/l	100
76) 1,2,3-Trichloropropane	12.884	75	928267m	99.642	ug/l	
77) Bromobenzene	12.862	156	917174	104.210	ug/l	70
78) n-propylbenzene	12.921	91	4257611	98.848	ug/l	94
79) 2-Chlorotoluene	13.010	91	2545485	96.214	ug/l	88
80) 1,3,5-Trimethylbenzene	13.061	105	3105265	99.533	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.629	75	345773	110.654	ug/l	89
82) 4-Chlorotoluene	13.106	91	2556182	98.318	ug/l	90
83) tert-Butylbenzene	13.326	119	2701239	102.261	ug/l	86
84) 1,2,4-Trimethylbenzene	13.369	105	3100601	101.350	ug/l	92
85) sec-Butylbenzene	13.503	105	3649094	100.473	ug/l	94
86) p-Isopropyltoluene	13.618	119	3116465	106.134	ug/l	92
87) 1,3-Dichlorobenzene	13.618	146	1679594	105.852	ug/l	94
88) 1,4-Dichlorobenzene	13.696	146	1649339	104.310	ug/l	95
89) n-Butylbenzene	13.946	91	2564568	105.080	ug/l	97
90) Hexachloroethane	14.214	117	563257	115.240	ug/l	92
91) 1,2-Dichlorobenzene	13.991	146	1598722	103.355	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.605	75	207788	112.001	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.265	180	822767	122.008	ug/l	98
94) Hexachlorobutadiene	15.372	225	354698	111.704	ug/l	99
95) Naphthalene	15.507	128	2432383	125.577	ug/l	100
96) 1,2,3-Trichlorobenzene	15.702	180	788957	126.394	ug/l	98

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

