

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092321\
 Data File : VN068614.D
 Acq On : 23 Sep 2021 11:20
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/24/2021 6:58:46 PM

Quant Time: Sep 23 12:14:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 12:11:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	514091	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	854031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	822236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	337984	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	154327	15.776	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	31.560%#		
35) Dibromofluoromethane	8.024	113	108084	18.898	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	37.800%#		
50) Toluene-d8	10.443	98	415248	18.698	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	37.400%#		
62) 4-Bromofluorobenzene	12.733	95	143896	16.254	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	32.500%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.073	85	121514	17.129	ug/l	98
3) Chloromethane	2.303	50	209884	26.215	ug/l	99
4) Vinyl Chloride	2.443	62	194408	25.219	ug/l	95
5) Bromomethane	2.856	94	96330	28.594	ug/l	96
6) Chloroethane	3.019	64	107799	22.904	ug/l	98
7) Trichlorofluoromethane	3.373	101	232459	22.126	ug/l	99
8) Diethyl Ether	3.824	74	79285	19.012	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.213	101	118353	19.115	ug/l	92
10) Methyl Iodide	4.425	142	123665	21.595	ug/l	92
11) Tert butyl alcohol	5.366	59	125026	78.869	ug/l	99
12) 1,1-Dichloroethene	4.186	96	112021	18.740	ug/l	93
13) Acrolein	4.041	56	38560	42.322	ug/l	97
14) Allyl chloride	4.848	41	231803	17.538	ug/l	96
15) Acrylonitrile	5.554	53	358800	100.233	ug/l	100
16) Acetone	4.291	43	339980	89.646	ug/l	96
17) Carbon Disulfide	4.535	76	322973	16.807	ug/l	98
18) Methyl Acetate	4.856	43	244973	25.020	ug/l	99
19) Methyl tert-butyl Ether	5.618	73	415581	17.572	ug/l	97
20) Methylene Chloride	5.098	84	136792	17.313	ug/l	98
21) trans-1,2-Dichloroethene	5.602	96	118085	17.805	ug/l	98
22) Diisopropyl ether	6.498	45	460801	18.631	ug/l	98
23) Vinyl Acetate	6.433	43	1826332	82.289	ug/l	99
24) 1,1-Dichloroethane	6.391	63	242999	17.819	ug/l	99
25) 2-Butanone	7.335	43	496941	91.421	ug/l	99
26) 2,2-Dichloropropane	7.332	77	195475	14.436	ug/l	98
27) cis-1,2-Dichloroethene	7.329	96	134839	17.284	ug/l	96
28) Bromochloromethane	7.659	49	100127	15.733	ug/l	94
29) Tetrahydrofuran	7.686	42	325612	94.751	ug/l	97
30) Chloroform	7.820	83	240807	16.808	ug/l	99
31) Cyclohexane	8.099	56	226063	16.997	ug/l	100
32) 1,1,1-Trichloroethane	8.018	97	215857	16.564	ug/l	99
36) 1,1-Dichloropropene	8.225	75	178740	19.001	ug/l	98
37) Ethyl Acetate	7.412	43	210227	20.854	ug/l	# 84
38) Carbon Tetrachloride	8.209	117	186553	18.583	ug/l	100
39) Methylcyclohexane	9.461	83	202148	20.092	ug/l	99
40) Benzene	8.464	78	515086	19.503	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	100243	19.176	ug/l	98
42) 1,2-Dichloroethane	8.531	62	207416	18.891	ug/l	100
43) Isopropyl Acetate	8.563	43	335971	18.746	ug/l	99
44) Trichloroethene	9.220	130	122747	19.795	ug/l	86
45) 1,2-Dichloropropane	9.491	63	136026	19.288	ug/l	99
46) Dibromomethane	9.579	93	90664	18.995	ug/l	92
47) Bromodichloromethane	9.764	83	187443	17.667	ug/l	99
48) Methyl methacrylate	9.561	41	148288	17.854	ug/l	96
49) 1,4-Dioxane	9.571	88	46206	406.869	ug/l	98
51) 4-Methyl-2-Pentanone	10.333	43	1050178	100.216	ug/l	99
52) Toluene	10.507	92	326620	19.526	ug/l	100
53) t-1,3-Dichloropropene	10.722	75	202607	17.252	ug/l	98
54) cis-1,3-Dichloropropene	10.191	75	212452	17.831	ug/l	98
55) 1,1,2-Trichloroethane	10.899	97	125886	19.431	ug/l	98
56) Ethyl methacrylate	10.762	69	207010	17.932	ug/l	98
57) 1,3-Dichloropropane	11.046	76	218491	18.583	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.043	63	247687	74.872	ug/l	98
59) 2-Hexanone	11.087	43	768257	100.265	ug/l	99
60) Dibromochloromethane	11.240	129	140039	19.809	ug/l	100
61) 1,2-Dibromoethane	11.349	107	132816	19.579	ug/l	98
64) Tetrachloroethene	10.979	164	106471	18.558	ug/l	95
65) Chlorobenzene	11.773	112	349745	19.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.843	131	131013	19.819	ug/l	100
67) Ethyl Benzene	11.848	91	639640	18.420	ug/l	97
68) m/p-Xylenes	11.956	106	480671	38.633	ug/l	90
69) o-Xylene	12.283	106	233857	19.238	ug/l	91
70) Styrene	12.296	104	377907	18.835	ug/l	95
71) Bromoform	12.460	173	100148	19.901	ug/l #	100
73) Isopropylbenzene	12.580	105	611982	19.026	ug/l	98
74) N-amyl acetate	12.390	43	251338	16.321	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.830	83	192043	19.981	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	178551m	20.534	ug/l	
77) Bromobenzene	12.865	156	138100	20.772	ug/l	81
78) n-propylbenzene	12.924	91	703070	18.518	ug/l	97
79) 2-Chlorotoluene	13.010	91	426726	18.152	ug/l	93
80) 1,3,5-Trimethylbenzene	13.061	105	500552	18.670	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.626	75	56625	16.330	ug/l	97
82) 4-Chlorotoluene	13.109	91	404360	17.365	ug/l	94
83) tert-Butylbenzene	13.326	119	443516	20.430	ug/l	91
84) 1,2,4-Trimethylbenzene	13.372	105	477706	18.058	ug/l	93
85) sec-Butylbenzene	13.503	105	606087	19.802	ug/l	97
86) p-Isopropyltoluene	13.618	119	484947	19.547	ug/l	95
87) 1,3-Dichlorobenzene	13.618	146	228410	19.258	ug/l	96
88) 1,4-Dichlorobenzene	13.696	146	228735	19.245	ug/l	96
89) n-Butylbenzene	13.946	91	391161	17.108	ug/l	98
90) Hexachloroethane	14.214	117	94830	19.799	ug/l	95
91) 1,2-Dichlorobenzene	13.991	146	227311	20.281	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.605	75	35435	15.362	ug/l	80
93) 1,2,4-Trichlorobenzene	15.265	180	103645	17.850	ug/l	98
94) Hexachlorobutadiene	15.372	225	60914	18.431	ug/l	99
95) Naphthalene	15.509	128	271988	15.683	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	103018	18.400	ug/l	99

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

