

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041521\
 Data File : VN066612.D
 Acq On : 15 Apr 2021 14:33
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041521

Manual Integrations
 APPROVED

MMDadoda
 4/16/2021 1:10:48 PM

Quant Time: Apr 16 08:04:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041521W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 15 19:16:35 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.585	168	226897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.513	114	360287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.346	117	332601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.285	152	169602	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.948	65	150022	43.83	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.66%		
35) Dibromofluoromethane	7.508	113	118797	47.55	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.10%		
50) Toluene-d8	10.026	98	467189	47.71	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.42%		
62) 4-Bromofluorobenzene	12.343	95	171405	49.78	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.56%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.833	85	129746	47.08	ug/l	98
3) Chloromethane	2.034	50	168811	42.00	ug/l	99
4) Vinyl Chloride	2.160	62	163710	46.77	ug/l	100
5) Bromomethane	2.506	94	98641	45.27	ug/l	98
6) Chloroethane	2.653	64	97981	46.69	ug/l	99
7) Trichlorofluoromethane	2.967	101	186177	45.93	ug/l	99
8) Diethyl Ether	3.351	74	79086	47.73	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.689	101	116316	48.58	ug/l	98
10) Methyl Iodide	3.879	142	166044	49.93	ug/l	99
11) Tert butyl alcohol	4.700	59	107239	195.21	ug/l #	86
12) 1,1-Dichloroethene	3.670	96	113419	48.37	ug/l	92
13) Acrolein	3.541	56	55981	191.21	ug/l	98
14) Allyl chloride	4.241	41	236399	233.93	ug/l	96
15) Acrylonitrile	4.887	53	335213	221.68	ug/l	99
16) Acetone	3.748	43	334471	274.18	ug/l	97
17) Carbon Disulfide	3.978	76	341985	43.27	ug/l	98
18) Methyl Acetate	4.244	43	155902	42.29	ug/l	95
19) Methyl tert-butyl Ether	4.946	73	404490	48.72	ug/l	97
20) Methylene Chloride	4.464	84	140405	43.41	ug/l	94
21) trans-1,2-Dichloroethene	4.946	96	128387	48.63	ug/l	92
22) Diisopropyl ether	5.856	45	499420	49.81	ug/l	94
23) Vinyl Acetate	5.799	43	2048869	244.68	ug/l	96
24) 1,1-Dichloroethane	5.751	63	252452	46.24	ug/l	98
25) 2-Butanone	6.738	43	454944	225.48	ug/l	93
26) 2,2-Dichloropropane	6.730	77	214452	49.55	ug/l	98
27) cis-1,2-Dichloroethene	6.733	96	149632	48.92	ug/l	91
28) Bromochloromethane	7.105	49	132601	46.83	ug/l	82
29) Tetrahydrofuran	7.122	42	297242	218.91	ug/l	92
30) Chloroform	7.288	83	245625	47.83	ug/l	98
31) Cyclohexane	7.572	56	234094	47.55	ug/l	92
32) 1,1,1-Trichloroethane	7.489	97	203484	47.97	ug/l	97
36) 1,1-Dichloropropene	7.712	75	184204	50.73	ug/l	98
37) Ethyl Acetate	6.837	43	192955	46.86	ug/l	97
38) Carbon Tetrachloride	7.693	117	169561	49.84	ug/l	99
39) Methylcyclohexane	9.012	83	225766	54.60	ug/l	93
40) Benzene	7.964	78	579172	49.79	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.079	41	84557	44.87	ug/l #	100
42) 1,2-Dichloroethane	8.047	62	191123	47.86	ug/l	99
43) Isopropyl Acetate	8.090	43	321722	46.78	ug/l #	87
44) Trichloroethene	8.766	130	135648	50.49	ug/l	99
45) 1,2-Dichloropropane	9.047	63	158409	48.92	ug/l	100
46) Dibromomethane	9.138	93	93309	48.04	ug/l	97
47) Bromodichloromethane	9.334	83	196829	49.37	ug/l	100
48) Methyl methacrylate	9.133	41	150036	48.50	ug/l	92
49) 1,4-Dioxane	9.133	88	43692	831.34	ug/l	91
51) 4-Methyl-2-Pentanone	9.919	43	936951	231.51	ug/l	95
52) Toluene	10.090	92	352319	51.41	ug/l	100
53) t-1,3-Dichloropropene	10.318	75	221898	51.54	ug/l	97
54) cis-1,3-Dichloropropene	9.774	75	244588	51.56	ug/l	94
55) 1,1,2-Trichloroethane	10.498	97	136891	48.35	ug/l	97
56) Ethyl methacrylate	10.369	69	202730	48.62	ug/l	91
57) 1,3-Dichloropropane	10.646	76	235132	49.54	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.629	63	136236	202.90	ug/l	93
59) 2-Hexanone	10.691	43	644090	223.87	ug/l	96
60) Dibromochloromethane	10.841	129	147961	50.09	ug/l	99
61) 1,2-Dibromoethane	10.943	107	138021	49.62	ug/l	100
64) Tetrachloroethene	10.571	164	122674	53.00	ug/l	100
65) Chlorobenzene	11.372	112	368759	50.96	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.448	131	135466	51.60	ug/l	99
67) Ethyl Benzene	11.453	91	681711	54.13	ug/l	97
68) m/p-Xylenes	11.563	106	512239	111.45	ug/l	97
69) o-Xylene	11.890	106	249625	55.66	ug/l	99
70) Styrene	11.906	104	412360	59.00	ug/l	98
71) Bromoform	12.070	173	107477	54.25	ug/l #	99
73) Isopropylbenzene	12.190	105	665489	51.52	ug/l	99
74) N-amyl acetate	12.016	43	182404	47.62	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.445	83	214139	44.55	ug/l	97
76) 1,2,3-Trichloropropane	12.496	75	191915m	48.39	ug/l	
77) Bromobenzene	12.467	156	162827	51.09	ug/l	93
78) n-propylbenzene	12.534	91	789124	52.84	ug/l	98
79) 2-Chlorotoluene	12.617	91	462264	50.62	ug/l	98
80) 1,3,5-Trimethylbenzene	12.676	105	564906	51.83	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.244	75	59456	47.14	ug/l	96
82) 4-Chlorotoluene	12.716	91	477954	53.19	ug/l	97
83) tert-Butylbenzene	12.936	119	471365	51.40	ug/l	99
84) 1,2,4-Trimethylbenzene	12.982	105	545623	53.03	ug/l	98
85) sec-Butylbenzene	13.113	105	655268	52.87	ug/l	99
86) p-Isopropyltoluene	13.231	119	567700	55.83	ug/l	100
87) 1,3-Dichlorobenzene	13.226	146	285847	50.74	ug/l	99
88) 1,4-Dichlorobenzene	13.306	146	296934	52.88	ug/l	97
89) n-Butylbenzene	13.558	91	481992	56.62	ug/l	99
90) Hexachloroethane	13.816	117	107547	47.82	ug/l	95
91) 1,2-Dichlorobenzene	13.596	146	276074	49.42	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.215	75	33705	41.29	ug/l	92
93) 1,2,4-Trichlorobenzene	14.851	180	161778	51.44	ug/l	98
94) Hexachlorobutadiene	14.948	225	87543	49.25	ug/l	98
95) Naphthalene	15.071	128	380808	43.99	ug/l	100
96) 1,2,3-Trichlorobenzene	15.248	180	149083	46.12	ug/l	99

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

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