

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062368.D
 Acq On : 6 Jul 2020 15:53
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN070620

Manual Integrations
 APPROVED

MMDadoda
 7/7/2020 10:08:50 AM

Quant Time: Jul 07 05:15:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 05:08:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	1143844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1928030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1806584	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	897500	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	983918	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
35) Dibromofluoromethane	7.55	113	647353	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
50) Toluene-d8	10.06	98	2497917	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
62) 4-Bromofluorobenzene	12.38	95	954322	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	612307	47.305	ug/l	99
3) Chloromethane	2.03	50	863508	44.904	ug/l	97
4) Vinyl Chloride	2.16	62	721530	43.939	ug/l	98
5) Bromomethane	2.52	94	424605	49.863	ug/l	96
6) Chloroethane	2.66	64	426946	44.724	ug/l	97
7) Trichlorofluoromethane	2.98	101	1030940	45.486	ug/l	99
8) Diethyl Ether	3.37	74	414254	47.309	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	576081	45.490	ug/l	98
10) Methyl Iodide	3.91	142	707517	46.532	ug/l	100
11) Tert butyl alcohol	4.74	59	723174	252.460	ug/l	99
12) 1,1-Dichloroethene	3.70	96	552460	46.994	ug/l	100
13) Acrolein	3.57	56	281279	231.327	ug/l	95
14) Allyl chloride	4.27	41	1422685	49.659	ug/l	97
15) Acrylonitrile	4.93	53	1900004	252.547	ug/l	99
16) Acetone	3.78	43	2367742	248.216	ug/l	99
17) Carbon Disulfide	4.01	76	1667646	44.802	ug/l	99
18) Methyl Acetate	4.28	43	937836	49.312	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	2266775	50.383	ug/l	98
20) Methylene Chloride	4.50	84	704832	50.501	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	600303	46.238	ug/l	99
22) Diisopropyl ether	5.90	45	2862931	49.962	ug/l	98
23) Vinyl Acetate	5.84	43	11795000	256.819	ug/l	98
24) 1,1-Dichloroethane	5.80	63	1355918	47.749	ug/l	99
25) 2-Butanone	6.79	43	3118890	259.633	ug/l	99
26) 2,2-Dichloropropane	6.78	77	1111412	47.516	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	716454	48.176	ug/l	99
28) Bromochloromethane	7.15	49	798184	50.300	ug/l	100
29) Tetrahydrofuran	7.17	42	2005514	262.669	ug/l	99
30) Chloroform	7.33	83	1291315	46.728	ug/l	97
31) Cyclohexane	7.61	56	1225162	46.696	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	1101196	47.423	ug/l	99
36) 1,1-Dichloropropene	7.75	75	971236	47.941	ug/l	99
37) Ethyl Acetate	6.88	43	1243820	51.752	ug/l	100
38) Carbon Tetrachloride	7.73	117	956408	46.945	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1062993	48.790	ug/l	99
40) Benzene	8.00	78	2757810	47.918	ug/l	99
41) Methacrylonitrile	7.12	41	521277	42.967	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	1202137	47.407	ug/l	99
43) Isopropyl Acetate	8.13	43	2097840	52.222	ug/l	100
44) Trichloroethene	8.80	130	646577	46.993	ug/l	99
45) 1,2-Dichloropropane	9.08	63	799981	47.420	ug/l	98
46) Dibromomethane	9.17	93	497841	47.680	ug/l	98
47) Bromodichloromethane	9.37	83	1064602	47.835	ug/l	97
48) Methyl methacrylate	9.17	41	1031499	50.310	ug/l	97
49) 1,4-Dioxane	9.17	88	270487	971.409	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	5886886	258.277	ug/l	100
52) Toluene	10.12	92	1709731	49.679	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	1205081	50.323	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	1268151	49.631	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	672583	48.768	ug/l	99
56) Ethyl methacrylate	10.40	69	1170608	52.699	ug/l	99
57) 1,3-Dichloropropane	10.68	76	1236476	48.278	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	2056210	257.366	ug/l	99
59) 2-Hexanone	10.72	43	4568787	280.613	ug/l	100
60) Dibromochloromethane	10.87	129	775552	49.381	ug/l	99
61) 1,2-Dibromoethane	10.98	107	697649	49.275	ug/l	98
64) Tetrachloroethene	10.60	164	543660	46.771	ug/l	99
65) Chlorobenzene	11.41	112	1778768	48.007	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	683259	49.041	ug/l	99
67) Ethyl Benzene	11.48	91	3325740	50.831	ug/l	100
68) m/p-Xylenes	11.60	106	2450936	101.916	ug/l	100
69) o-Xylene	11.92	106	1169076	49.423	ug/l	99
70) Styrene	11.94	104	2018076	51.631	ug/l	99
71) Bromoform	12.10	173	534571	48.868	ug/l #	100
73) Isopropylbenzene	12.22	105	3191265	47.572	ug/l	100
74) N-amyl acetate	12.04	43	1859331	52.117	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	1055293	45.448	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	953743m	43.996	ug/l	
77) Bromobenzene	12.50	156	746775	47.593	ug/l	96
78) n-propylbenzene	12.57	91	3771928	47.993	ug/l	99
79) 2-Chlorotoluene	12.65	91	2267896	47.050	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	2717803	48.676	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	371995	49.072	ug/l	98
82) 4-Chlorotoluene	12.75	91	2385755	48.391	ug/l	100
83) tert-Butylbenzene	12.97	119	2277177	48.125	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	2729297	49.447	ug/l	99
85) sec-Butylbenzene	13.15	105	3050573	50.329	ug/l	100
86) p-Isopropyltoluene	13.26	119	2726492	49.911	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	1339565	47.435	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1357594	46.519	ug/l	100
89) n-Butylbenzene	13.59	91	2428923	51.493	ug/l	99
90) Hexachloroethane	13.85	117	516505	44.217	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	1313875	48.581	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.25	75	215008	47.248	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	668150	46.665	ug/l	99
94) Hexachlorobutadiene	14.98	225	360261	50.362	ug/l	99
95) Naphthalene	15.10	128	1846920	48.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	661332	50.804	ug/l	99

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

