

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060177.D
 Acq On : 20 Feb 2020 17:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 9:15:09 AM

Quant Time: Feb 21 03:28:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208222	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334784	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	122482	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	7.56	113	99002	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.08	98	380059	46.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.80%	
62) 4-Bromofluorobenzene	12.40	95	146024	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	93750	45.044	ug/l	100
3) Chloromethane	2.04	50	113161	45.688	ug/l	98
4) Vinyl Chloride	2.17	62	131436	46.556	ug/l	100
5) Bromomethane	2.54	94	80721	46.630	ug/l	98
6) Chloroethane	2.68	64	68294	47.827	ug/l	97
7) Trichlorofluoromethane	3.00	101	171035	46.989	ug/l	98
8) Diethyl Ether	3.38	74	61230	50.535	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95612	47.313	ug/l	99
10) Methyl Iodide	3.93	142	137087	50.452	ug/l	99
11) Tert butyl alcohol	4.73	59	97519	257.200	ug/l	100
12) 1,1-Dichloroethene	3.72	96	95740	48.632	ug/l	100
13) Acrolein	3.58	56	98106	261.774	ug/l	98
14) Allyl chloride	4.29	41	141771	48.928	ug/l	96
15) Acrylonitrile	4.94	53	248030	267.865	ug/l	99
16) Acetone	3.78	43	249101	225.392	ug/l	98
17) Carbon Disulfide	4.03	76	262993	44.321	ug/l	99
18) Methyl Acetate	4.29	43	112933	54.397	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	332673	50.249	ug/l	100
20) Methylene Chloride	4.52	84	106277	48.200	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	103806	48.372	ug/l	99
22) Diisopropyl ether	5.91	45	326721	51.450	ug/l	98
23) Vinyl Acetate	5.86	43	1401975	262.898	ug/l	99
24) 1,1-Dichloroethane	5.82	63	188279	48.943	ug/l	100
25) 2-Butanone	6.80	43	352111	253.322	ug/l	99
26) 2,2-Dichloropropane	6.79	77	181879	49.777	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	121662	48.442	ug/l	98
28) Bromochloromethane	7.17	49	74968	49.570	ug/l	100
29) Tetrahydrofuran	7.18	42	224368	263.120	ug/l	98
30) Chloroform	7.35	83	200617	49.784	ug/l	100
31) Cyclohexane	7.63	56	167146	46.643	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	183534	49.839	ug/l	100
36) 1,1-Dichloropropene	7.77	75	149243	48.129	ug/l	99
37) Ethyl Acetate	6.90	43	141204	50.385	ug/l	99
38) Carbon Tetrachloride	7.75	117	158543	47.077	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	178121	46.274	ug/l	96
40) Benzene	8.02	78	439181	47.745	ug/l	99
41) Methacrylonitrile	7.15	41	67073m	57.069	ug/l	
42) 1,2-Dichloroethane	8.10	62	160313	49.726	ug/l	99
43) Isopropyl Acetate	8.14	43	245128	51.168	ug/l	99
44) Trichloroethene	8.82	130	118341	46.463	ug/l	96
45) 1,2-Dichloropropane	9.10	63	113462	49.823	ug/l	100
46) Dibromomethane	9.19	93	77956	48.441	ug/l	99
47) Bromodichloromethane	9.39	83	160781	49.141	ug/l	100
48) Methyl methacrylate	9.18	41	109906	51.133	ug/l	98
49) 1,4-Dioxane	9.18	88	37790	1029.008	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	726740	262.085	ug/l	100
52) Toluene	10.14	92	282585	47.907	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	186231	50.426	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	191689	49.291	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	112203	48.758	ug/l	99
56) Ethyl methacrylate	10.42	69	172428	52.968	ug/l	98
57) 1,3-Dichloropropane	10.70	76	188079	49.531	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	389354	256.733	ug/l	99
59) 2-Hexanone	10.74	43	550862	257.171	ug/l	99
60) Dibromochloromethane	10.89	129	129801	49.153	ug/l	99
61) 1,2-Dibromoethane	10.99	107	120928	50.129	ug/l	99
64) Tetrachloroethene	10.62	164	103258	42.791	ug/l	99
65) Chlorobenzene	11.42	112	309193	47.810	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	118494	48.434	ug/l	99
67) Ethyl Benzene	11.50	91	559098	47.934	ug/l	100
68) m/p-Xylenes	11.62	106	420826	96.130	ug/l	100
69) o-Xylene	11.94	106	204849	48.600	ug/l	100
70) Styrene	11.96	104	340606	50.111	ug/l	99
71) Bromoform	12.12	173	99028	50.326	ug/l #	98
73) Isopropylbenzene	12.24	105	553010	46.344	ug/l	100
74) N-amyl acetate	12.06	43	222587	51.730	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	170502	49.642	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	146482m	47.913	ug/l	
77) Bromobenzene	12.52	156	139692	47.172	ug/l	98
78) n-propylbenzene	12.59	91	634570	46.676	ug/l	100
79) 2-Chlorotoluene	12.67	91	374738	46.896	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	464468	46.814	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	64140	51.369	ug/l	99
82) 4-Chlorotoluene	12.77	91	384768	46.932	ug/l	100
83) tert-Butylbenzene	12.99	119	403772	46.005	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	469392	47.928	ug/l	100
85) sec-Butylbenzene	13.17	105	540459	46.497	ug/l	100
86) p-Isopropyltoluene	13.28	119	490726	46.597	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	248498	47.406	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	247125	47.154	ug/l	99
89) n-Butylbenzene	13.61	91	438987	47.392	ug/l	100
90) Hexachloroethane	13.87	117	90797	46.150	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	242838	47.338	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	36081	49.397	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	147813	49.039	ug/l	100
94) Hexachlorobutadiene	15.01	225	77320	43.817	ug/l	100
95) Naphthalene	15.13	128	397864	48.864	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	140478	46.800	ug/l	99

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

