

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031120\
 Data File : VN060462.D
 Acq On : 11 Mar 2020 19:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/12/2020 2:45:34 PM

Quant Time: Mar 12 04:59:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	189237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	302919	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147853	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	126650	52.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.32%	
35) Dibromofluoromethane	7.56	113	93239	62.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.86%	
50) Toluene-d8	10.08	98	367946	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.40	95	142345	50.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	68179	39.296	ug/l	98
3) Chloromethane	2.04	50	130913	43.338	ug/l	99
4) Vinyl Chloride	2.16	62	106186	40.989	ug/l	99
5) Bromomethane	2.53	94	44926	42.734	ug/l	99
6) Chloroethane	2.68	64	61039	43.487	ug/l	94
7) Trichlorofluoromethane	3.00	101	142607	43.085	ug/l	99
8) Diethyl Ether	3.38	74	58509	46.819	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83214	44.424	ug/l	99
10) Methyl Iodide	3.93	142	59648	34.890	ug/l	99
11) Tert butyl alcohol	4.73	59	100255	278.086	ug/l	100
12) 1,1-Dichloroethene	3.71	96	82560	45.405	ug/l	98
13) Acrolein	3.58	56	93551	278.152	ug/l	99
14) Allyl chloride	4.29	41	144090	42.985	ug/l	92
15) Acrylonitrile	4.94	53	265879	279.797	ug/l	99
16) Acetone	3.78	43	215661	275.058	ug/l	99
17) Carbon Disulfide	4.03	76	198348	40.985	ug/l	100
18) Methyl Acetate	4.29	43	136127	52.026	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	324899	49.221	ug/l	98
20) Methylene Chloride	4.52	84	98781	45.875	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	90273	46.183	ug/l	99
22) Diisopropyl ether	5.91	45	348958	51.393	ug/l	98
23) Vinyl Acetate	5.86	43	1406604	260.699	ug/l	99
24) 1,1-Dichloroethane	5.81	63	188739	49.105	ug/l	100
25) 2-Butanone	6.80	43	362717	286.408	ug/l	99
26) 2,2-Dichloropropane	6.80	77	142428	40.704	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	111580	44.689	ug/l	100
28) Bromochloromethane	7.17	49	77518	49.122	ug/l	95
29) Tetrahydrofuran	7.18	42	242252	275.083	ug/l	99
30) Chloroform	7.35	83	188760	49.334	ug/l	100
31) Cyclohexane	7.63	56	153841	46.818	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	161873	47.750	ug/l	100
36) 1,1-Dichloropropene	7.77	75	132136	43.435	ug/l	99
37) Ethyl Acetate	6.90	43	152007	52.770	ug/l	100
38) Carbon Tetrachloride	7.75	117	131727	44.474	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	145165	40.471	ug/l	98
40) Benzene	8.02	78	408327	46.116	ug/l	99
41) Methacrylonitrile	7.15	41	74685m	56.152	ug/l	
42) 1,2-Dichloroethane	8.10	62	150393	47.069	ug/l	99
43) Isopropyl Acetate	8.14	43	262188	51.992	ug/l	99
44) Trichloroethene	8.82	130	106129	43.037	ug/l	98
45) 1,2-Dichloropropane	9.10	63	115338	49.822	ug/l	99
46) Dibromomethane	9.19	93	71746	47.763	ug/l	99
47) Bromodichloromethane	9.39	83	151498	49.589	ug/l	99
48) Methyl methacrylate	9.18	41	116041	50.461	ug/l	99
49) 1,4-Dioxane	9.18	88	35437	1095.803	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	785915	274.870	ug/l	100
52) Toluene	10.14	92	255294	45.900	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	170122	45.445	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	179683	46.322	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	105735	47.273	ug/l	98
56) Ethyl methacrylate	10.42	69	166464	51.803	ug/l	96
57) 1,3-Dichloropropane	10.70	76	182349	49.991	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	426224	253.611	ug/l	98
59) 2-Hexanone	10.74	43	575725	274.245	ug/l	99
60) Dibromochloromethane	10.89	129	113919	50.082	ug/l	100
61) 1,2-Dibromoethane	10.99	107	107451	49.280	ug/l	97
64) Tetrachloroethene	10.62	164	101193	42.208	ug/l	99
65) Chlorobenzene	11.43	112	269785	44.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106893	47.264	ug/l	98
67) Ethyl Benzene	11.50	91	499979	44.885	ug/l	100
68) m/p-Xylenes	11.61	106	370162	88.078	ug/l	100
69) o-Xylene	11.94	106	181039	45.174	ug/l	100
70) Styrene	11.96	104	304082	46.150	ug/l	100
71) Bromoform	12.12	173	83226	51.060	ug/l #	100
73) Isopropylbenzene	12.24	105	490819	44.788	ug/l	100
74) N-amyl acetate	12.06	43	233143	48.686	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	157611	52.910	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	141628m	43.660	ug/l	
77) Bromobenzene	12.52	156	118794	44.223	ug/l	96
78) n-propylbenzene	12.59	91	571740	44.509	ug/l	99
79) 2-Chlorotoluene	12.67	91	339434	44.953	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	412606	44.719	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	56252	47.869	ug/l #	85
82) 4-Chlorotoluene	12.77	91	354256	44.530	ug/l	98
83) tert-Butylbenzene	12.99	119	352803	44.164	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	414858	44.546	ug/l	99
85) sec-Butylbenzene	13.17	105	471135	44.042	ug/l	99
86) p-Isopropyltoluene	13.28	119	418475	42.265	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	213397	46.217	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	210460	45.826	ug/l	99
89) n-Butylbenzene	13.61	91	376163	41.387	ug/l	99
90) Hexachloroethane	13.87	117	64905	45.288	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	208783	44.356	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32585	48.304	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	129519	43.316	ug/l	99
94) Hexachlorobutadiene	15.01	225	58589	42.529	ug/l	99
95) Naphthalene	15.13	128	398453	45.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125003	44.358	ug/l	99

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

