

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060605.D
 Acq On : 18 Mar 2020 20:35
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/19/2020 1:59:47 PM

Quant Time: Mar 19 07:45:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	203693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	348191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	317207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	147805	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	137074	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.57	113	102319	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
50) Toluene-d8	10.08	98	411639	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.40	95	150612	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	101368	51.432	ug/l	99
3) Chloromethane	2.04	50	174483	47.401	ug/l	100
4) Vinyl Chloride	2.16	62	143252	49.755	ug/l	100
5) Bromomethane	2.54	94	61555	49.526	ug/l	98
6) Chloroethane	2.68	64	85390	51.486	ug/l	99
7) Trichlorofluoromethane	3.00	101	179218	50.531	ug/l	100
8) Diethyl Ether	3.38	74	72617	50.968	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	103210	50.221	ug/l	99
10) Methyl Iodide	3.93	142	99962	54.663	ug/l	99
11) Tert butyl alcohol	4.73	59	97170	236.286	ug/l	100
12) 1,1-Dichloroethene	3.72	96	109692	49.739	ug/l	98
13) Acrolein	3.57	56	102609	225.131	ug/l	99
14) Allyl chloride	4.29	41	189761	48.923	ug/l	100
15) Acrylonitrile	4.94	53	315425	260.836	ug/l	99
16) Acetone	3.78	43	247165	249.539	ug/l	99
17) Carbon Disulfide	4.03	76	333445	49.715	ug/l	100
18) Methyl Acetate	4.29	43	141810	50.865	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	378609	49.933	ug/l	96
20) Methylene Chloride	4.52	84	121578	49.898	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	115597	49.181	ug/l	94
22) Diisopropyl ether	5.92	45	422909	51.608	ug/l	97
23) Vinyl Acetate	5.86	43	1756427	262.698	ug/l	100
24) 1,1-Dichloroethane	5.81	63	227393	50.902	ug/l	98
25) 2-Butanone	6.80	43	413213	257.811	ug/l	99
26) 2,2-Dichloropropane	6.80	77	175865	50.035	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	134999	50.543	ug/l	100
28) Bromochloromethane	7.17	49	105941	49.567	ug/l	100
29) Tetrahydrofuran	7.18	42	287664	253.666	ug/l	100
30) Chloroform	7.35	83	216871	50.640	ug/l	100
31) Cyclohexane	7.63	56	216024	47.966	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	189027	51.200	ug/l	99
36) 1,1-Dichloropropene	7.77	75	169631	50.312	ug/l	100
37) Ethyl Acetate	6.89	43	182669	50.142	ug/l	99
38) Carbon Tetrachloride	7.75	117	152639	50.513	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	198405	49.518	ug/l	99
40) Benzene	8.02	78	505487	49.665	ug/l	100
41) Methacrylonitrile	7.14	41	69391m	44.632	ug/l	
42) 1,2-Dichloroethane	8.10	62	174683	50.220	ug/l	99
43) Isopropyl Acetate	8.14	43	302880	50.412	ug/l	100
44) Trichloroethene	8.82	130	129162	50.341	ug/l	100
45) 1,2-Dichloropropane	9.10	63	136921	50.983	ug/l	97
46) Dibromomethane	9.19	93	81949	50.473	ug/l	99
47) Bromodichloromethane	9.39	83	171071	50.704	ug/l	99
48) Methyl methacrylate	9.18	41	133431	49.881	ug/l	98
49) 1,4-Dioxane	9.18	88	28804	905.922	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	888485	259.877	ug/l	100
52) Toluene	10.14	92	308495	50.188	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	199410	51.454	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	214881	50.541	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	117478	49.679	ug/l	98
56) Ethyl methacrylate	10.42	69	193646	52.518	ug/l	100
57) 1,3-Dichloropropane	10.70	76	208226	50.743	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	480115	261.989	ug/l	99
59) 2-Hexanone	10.74	43	641698	260.557	ug/l	99
60) Dibromochloromethane	10.89	129	124338	50.902	ug/l	99
61) 1,2-Dibromoethane	11.00	107	122099	51.348	ug/l	100
64) Tetrachloroethene	10.62	164	126130	50.530	ug/l	98
65) Chlorobenzene	11.43	112	315763	50.214	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	115467	50.715	ug/l	98
67) Ethyl Benzene	11.50	91	591516	50.582	ug/l	99
68) m/p-Xylenes	11.62	106	437258	100.621	ug/l	98
69) o-Xylene	11.94	106	209884	50.594	ug/l	100
70) Styrene	11.96	104	352857	52.008	ug/l	99
71) Bromoform	12.12	173	90089	47.688	ug/l #	99
73) Isopropylbenzene	12.24	105	565240	50.959	ug/l	99
74) N-amyl acetate	12.06	43	263252	51.361	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	168382	50.198	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	157076m	49.251	ug/l	
77) Bromobenzene	12.52	156	134334	50.259	ug/l	99
78) n-propylbenzene	12.59	91	664249	50.688	ug/l	99
79) 2-Chlorotoluene	12.67	91	388482	49.614	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	470161	49.948	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	62521	50.347	ug/l	99
82) 4-Chlorotoluene	12.77	91	400568	50.229	ug/l	99
83) tert-Butylbenzene	12.99	119	391693	50.197	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	471622	50.644	ug/l	99
85) sec-Butylbenzene	13.17	105	525198	50.052	ug/l	100
86) p-Isopropyltoluene	13.28	119	472917	50.121	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	237696	50.422	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	236563	49.948	ug/l	99
89) n-Butylbenzene	13.61	91	424746	49.859	ug/l	99
90) Hexachloroethane	13.87	117	70327	51.276	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	226742	50.302	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	34013	48.403	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	138154	49.910	ug/l	100
94) Hexachlorobutadiene	15.01	225	63704	46.946	ug/l	99
95) Naphthalene	15.13	128	423757	50.897	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	133451	48.946	ug/l	99

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

