

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013020\
 Data File : VN059936.D
 Acq On : 30 Jan 2020 18:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:40:52 AM

Quant Time: Jan 31 00:47:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	292022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	271216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	136266	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	106733	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	7.57	113	88838	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.08	98	332340	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.40	95	126091	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	95042	43.809	ug/l	98
3) Chloromethane	2.04	50	95323	45.315	ug/l	98
4) Vinyl Chloride	2.17	62	122131	50.744	ug/l	97
5) Bromomethane	2.54	94	70922	48.285	ug/l	97
6) Chloroethane	2.68	64	56041	49.216	ug/l	99
7) Trichlorofluoromethane	3.00	101	142827	49.413	ug/l	100
8) Diethyl Ether	3.39	74	51829	51.094	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83613	51.975	ug/l	93
10) Methyl Iodide	3.93	142	116471	44.791	ug/l	95
11) Tert butyl alcohol	4.73	59	81596	237.544	ug/l	99
12) 1,1-Dichloroethene	3.72	96	80296	47.767	ug/l	89
13) Acrolein	3.58	56	58820	241.903	ug/l	98
14) Allyl chloride	4.30	41	112459	49.634	ug/l #	83
15) Acrylonitrile	4.95	53	207675	265.045	ug/l	99
16) Acetone	3.78	43	186764	269.129	ug/l	96
17) Carbon Disulfide	4.03	76	197172	41.175	ug/l	99
18) Methyl Acetate	4.29	43	129051	54.146	ug/l	92
19) Methyl tert-butyl Ether	5.01	73	284207	51.855	ug/l	97
20) Methylene Chloride	4.52	84	91682	49.655	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	85836	48.037	ug/l	88
22) Diisopropyl ether	5.92	45	265339	51.676	ug/l	97
23) Vinyl Acetate	5.86	43	1002478	252.164	ug/l	95
24) 1,1-Dichloroethane	5.82	63	161327	51.420	ug/l	98
25) 2-Butanone	6.80	43	277128	239.836	ug/l	92
26) 2,2-Dichloropropane	6.80	77	150011	49.734	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	104099	50.651	ug/l	89
28) Bromochloromethane	7.17	49	62378	49.744	ug/l #	77
29) Tetrahydrofuran	7.18	42	179637	251.267	ug/l	88
30) Chloroform	7.35	83	169594	52.171	ug/l	99
31) Cyclohexane	7.63	56	133981	44.380	ug/l	92
32) 1,1,1-Trichloroethane	7.55	97	153746	51.152	ug/l	96
36) 1,1-Dichloropropene	7.77	75	120903	47.543	ug/l	96
37) Ethyl Acetate	6.90	43	116252	48.740	ug/l	96
38) Carbon Tetrachloride	7.75	117	137788	49.810	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	143555	45.782	ug/l	93
40) Benzene	8.02	78	365909	48.246	ug/l	99
41) Methacrylonitrile	7.15	41	56044m	47.704	ug/l	
42) 1,2-Dichloroethane	8.10	62	131447	51.118	ug/l	96
43) Isopropyl Acetate	8.14	43	201954	49.227	ug/l	95
44) Trichloroethene	8.82	130	101047	48.805	ug/l	93
45) 1,2-Dichloropropane	9.10	63	94443	50.323	ug/l	100
46) Dibromomethane	9.19	93	67404	50.915	ug/l	92
47) Bromodichloromethane	9.39	83	136394	51.126	ug/l	99
48) Methyl methacrylate	9.18	41	87421	47.639	ug/l	88
49) 1,4-Dioxane	9.18	88	33457	995.942	ug/l	90
51) 4-Methyl-2-Pentanone	9.97	43	596145	251.373	ug/l	96
52) Toluene	10.14	92	237711	49.621	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	155785	52.298	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	160849	51.320	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	96616	50.922	ug/l	97
56) Ethyl methacrylate	10.42	69	142974	49.316	ug/l	93
57) 1,3-Dichloropropane	10.70	76	159698	53.016	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	242157	277.312	ug/l	92
59) 2-Hexanone	10.74	43	435845	249.463	ug/l	94
60) Dibromochloromethane	10.89	129	114613	53.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	101861	51.222	ug/l	100
64) Tetrachloroethene	10.62	164	100447	45.442	ug/l	95
65) Chlorobenzene	11.43	112	262554	49.252	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	105007	50.979	ug/l	99
67) Ethyl Benzene	11.50	91	467321	48.291	ug/l	97
68) m/p-Xylenes	11.62	106	352056	96.309	ug/l	95
69) o-Xylene	11.94	106	171897	48.033	ug/l	95
70) Styrene	11.96	104	291551	48.685	ug/l	97
71) Bromoform	12.12	173	87559	53.067	ug/l #	99
73) Isopropylbenzene	12.24	105	470669	47.097	ug/l	100
74) N-amyl acetate	12.06	43	180641	46.583	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	146197	50.462	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	101015m	44.049	ug/l	
77) Bromobenzene	12.52	156	120631	47.665	ug/l	84
78) n-propylbenzene	12.59	91	530245	47.272	ug/l	97
79) 2-Chlorotoluene	12.67	91	313954	47.049	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	394759	46.969	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	52444	49.112	ug/l	94
82) 4-Chlorotoluene	12.77	91	319306	47.707	ug/l	95
83) tert-Butylbenzene	12.99	119	339196	46.663	ug/l	96
84) 1,2,4-Trimethylbenzene	13.03	105	392672	47.225	ug/l	99
85) sec-Butylbenzene	13.17	105	449730	47.090	ug/l	99
86) p-Isopropyltoluene	13.28	119	415027	46.965	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	215649	49.055	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	213228	48.620	ug/l	97
89) n-Butylbenzene	13.61	91	362711	48.139	ug/l	99
90) Hexachloroethane	13.87	117	78487	47.471	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	210704	48.482	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30842	49.580	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	129203	49.475	ug/l	98
94) Hexachlorobutadiene	15.01	225	66798	46.417	ug/l	99
95) Naphthalene	15.13	128	355489	47.858	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125064	49.201	ug/l	99

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

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