

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\
 Data File : VN055810.D
 Acq On : 24 May 2019 21:33
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/28/2019 10:36:23 AM

Quant Time: May 25 05:19:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	360955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	527788	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	465196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	207500	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	185713	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
35) Dibromofluoromethane	7.59	113	168797	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
50) Toluene-d8	10.09	98	637654	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.40	95	216537	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	109300	44.993	ug/l	100
3) Chloromethane	2.06	50	152674	44.856	ug/l	98
4) Vinyl Chloride	2.18	62	167316	46.089	ug/l	99
5) Bromomethane	2.53	94	120680m	53.136	ug/l	
6) Chloroethane	2.68	64	108177	49.493	ug/l	100
7) Trichlorofluoromethane	3.00	101	228317	47.971	ug/l	100
8) Diethyl Ether	3.40	74	100616	47.167	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	142029	47.805	ug/l	99
10) Methyl Iodide	3.94	142	226738	52.200	ug/l	99
11) Tert butyl alcohol	4.82	59	185524	260.483	ug/l	99
12) 1,1-Dichloroethene	3.72	96	146111	47.596	ug/l	96
13) Acrolein	3.60	56	115845	227.153	ug/l	100
14) Allyl chloride	4.31	41	240789	45.755	ug/l	100
15) Acrylonitrile	4.99	53	402258	245.959	ug/l	100
16) Acetone	3.82	43	332150	202.704	ug/l	99
17) Carbon Disulfide	4.04	76	375683	43.074	ug/l	100
18) Methyl Acetate	4.33	43	167357	50.245	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	495866	48.432	ug/l	98
20) Methylene Chloride	4.54	84	168823	47.574	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	155933	47.281	ug/l	97
22) Diisopropyl ether	5.96	45	488641	47.740	ug/l	98
23) Vinyl Acetate	5.90	43	2096889	238.940	ug/l	99
24) 1,1-Dichloroethane	5.84	63	281433	47.225	ug/l	99
25) 2-Butanone	6.84	43	535086	233.822	ug/l	100
26) 2,2-Dichloropropane	6.82	77	211000	40.910	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	188696	49.041	ug/l	97
28) Bromochloromethane	7.19	49	143617	50.616	ug/l	97
29) Tetrahydrofuran	7.22	42	352677	243.360	ug/l	99
30) Chloroform	7.37	83	288151	48.484	ug/l	99
31) Cyclohexane	7.65	56	257303	45.987	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	254440	47.975	ug/l	99
36) 1,1-Dichloropropene	7.79	75	214830	46.708	ug/l	99
37) Ethyl Acetate	6.93	43	223968	50.382	ug/l	97
38) Carbon Tetrachloride	7.77	117	224007	46.756	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	259133	45.497	ug/l	98
40) Benzene	8.04	78	674219	48.638	ug/l	100
41) Methacrylonitrile	7.18	41	101479	45.186	ug/l	95
42) 1,2-Dichloroethane	8.12	62	217920	48.111	ug/l	100
43) Isopropyl Acetate	8.17	43	353628	47.346	ug/l	93
44) Trichloroethene	8.83	130	194444	50.316	ug/l	98
45) 1,2-Dichloropropane	9.12	63	176672	48.918	ug/l	100
46) Dibromomethane	9.21	93	116822	49.322	ug/l	98
47) Bromodichloromethane	9.40	83	230516	47.463	ug/l	100
48) Methyl methacrylate	9.20	41	171119	49.711	ug/l	98
49) 1,4-Dioxane	9.20	88	69559	972.398	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1076906	244.130	ug/l	99
52) Toluene	10.16	92	426841	48.960	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	246353	47.520	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	273694	47.656	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173290	49.617	ug/l	99
56) Ethyl methacrylate	10.43	69	267339	49.528	ug/l	99
57) 1,3-Dichloropropane	10.71	76	280854	49.471	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	490463	237.769	ug/l	99
59) 2-Hexanone	10.75	43	736334	235.300	ug/l	99
60) Dibromochloromethane	10.90	129	198893	48.884	ug/l	99
61) 1,2-Dibromoethane	11.00	107	181298	50.045	ug/l	99
64) Tetrachloroethene	10.63	164	197220	50.266	ug/l	98
65) Chlorobenzene	11.43	112	459677	49.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	180628	48.631	ug/l	100
67) Ethyl Benzene	11.51	91	808770	48.428	ug/l	99
68) m/p-Xylenes	11.62	106	614909	97.395	ug/l	99
69) o-Xylene	11.95	106	303599	48.468	ug/l	100
70) Styrene	11.96	104	505255	49.809	ug/l	100
71) Bromoform	12.13	173	154529	48.777	ug/l #	100
73) Isopropylbenzene	12.25	105	799455	54.397	ug/l	100
74) N-amyl acetate	12.07	43	284311	50.627	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	235494	54.144	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	193884m	54.551	ug/l	
77) Bromobenzene	12.53	156	214187	48.373	ug/l	97
78) n-propylbenzene	12.59	91	845496	46.882	ug/l	99
79) 2-Chlorotoluene	12.67	91	513740	53.041	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	653257	52.719	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	69526	45.082	ug/l	99
82) 4-Chlorotoluene	12.77	91	499866	47.152	ug/l	100
83) tert-Butylbenzene	12.99	119	579684	54.233	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	650274	52.545	ug/l	100
85) sec-Butylbenzene	13.17	105	738787	53.033	ug/l	100
86) p-Isopropyltoluene	13.29	119	670226	46.511	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	341611	48.724	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	328602	49.296	ug/l	100
89) n-Butylbenzene	13.61	91	511442	46.322	ug/l	99
90) Hexachloroethane	13.87	117	123975	45.200	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	339382	48.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41502	45.140	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	182798	45.754	ug/l	98
94) Hexachlorobutadiene	15.01	225	124040	50.401	ug/l	99
95) Naphthalene	15.13	128	492188	51.276	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	189364	51.212	ug/l	100

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

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