

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058371.D
 Acq On : 26 Sep 2019 9:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:18:56 AM

Quant Time: Sep 27 03:36:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	468999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	796605	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	714492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	313694	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
35) Dibromofluoromethane	7.57	113	231500	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
50) Toluene-d8	10.08	98	859522	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
62) 4-Bromofluorobenzene	12.40	95	325848	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	154829	40.187	ug/l	100
3) Chloromethane	2.04	50	130744	43.900	ug/l	99
4) Vinyl Chloride	2.17	62	146840	45.129	ug/l	99
5) Bromomethane	2.54	94	81261	47.310	ug/l	99
6) Chloroethane	2.69	64	100342	48.173	ug/l	96
7) Trichlorofluoromethane	3.00	101	228704	43.490	ug/l	99
8) Diethyl Ether	3.39	74	109418	45.410	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	174217	45.949	ug/l	100
10) Methyl Iodide	3.93	142	146295	46.047	ug/l	98
11) Tert butyl alcohol	4.75	59	197788	254.545	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	136203	47.317	ug/l	97
13) Acrolein	3.59	56	15609	135.551	ug/l	91
14) Allyl chloride	4.30	41	290263m	46.785	ug/l	
15) Acrylonitrile	4.96	53	540647	261.155	ug/l	100
16) Acetone	3.79	43	646018	291.353	ug/l	98
17) Carbon Disulfide	4.03	76	169998	42.017	ug/l	100
18) Methyl Acetate	4.30	43	293617	50.325	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	724677	50.675	ug/l	97
20) Methylene Chloride	4.53	84	190680	49.115	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	147865	47.137	ug/l	96
22) Diisopropyl ether	5.93	45	790413	50.154	ug/l	98
23) Vinyl Acetate	5.87	43	2892700	268.245	ug/l	99
24) 1,1-Dichloroethane	5.83	63	405909	48.257	ug/l	99
25) 2-Butanone	6.81	43	831821	275.364	ug/l	99
26) 2,2-Dichloropropane	6.81	77	352730	49.430	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	225400	47.392	ug/l	98
28) Bromochloromethane	7.18	49	205348	51.607	ug/l	99
29) Tetrahydrofuran	7.19	42	457509	245.875	ug/l	99
30) Chloroform	7.36	83	439263	48.516	ug/l	99
31) Cyclohexane	7.64	56	253991	46.548	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	346077	50.210	ug/l	99
36) 1,1-Dichloropropene	7.78	75	248359	43.233	ug/l	99
37) Ethyl Acetate	6.90	43	302193	50.689	ug/l	98
38) Carbon Tetrachloride	7.76	117	273099	47.292	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	250691	45.141	ug/l	98
40) Benzene	8.03	78	807073	45.997	ug/l	100
41) Methacrylonitrile	7.15	41	141160	47.055	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	349650	47.490	ug/l	100
43) Isopropyl Acetate	8.15	43	537737	48.296	ug/l	100
44) Trichloroethene	8.82	130	197284	45.946	ug/l	98
45) 1,2-Dichloropropane	9.11	63	257286	49.100	ug/l	100
46) Dibromomethane	9.20	93	153966	48.328	ug/l	98
47) Bromodichloromethane	9.39	83	348707	52.247	ug/l	98
48) Methyl methacrylate	9.19	41	256584	50.755	ug/l	99
49) 1,4-Dioxane	9.19	88	87694	1056.553	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1671241	282.591	ug/l	99
52) Toluene	10.15	92	503565	45.793	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	362319	52.996	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	388521	51.472	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	245493	50.306	ug/l	99
56) Ethyl methacrylate	10.43	69	365567	51.920	ug/l	99
57) 1,3-Dichloropropane	10.71	76	413619	49.304	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	869336	259.210	ug/l	100
59) 2-Hexanone	10.75	43	1256216	286.007	ug/l	98
60) Dibromochloromethane	10.90	129	254421	54.192	ug/l	100
61) 1,2-Dibromoethane	11.00	107	223038	49.318	ug/l	99
64) Tetrachloroethene	10.63	164	151422	43.475	ug/l	99
65) Chlorobenzene	11.43	112	593381	47.216	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	243746	53.489	ug/l	99
67) Ethyl Benzene	11.51	91	1070271	49.701	ug/l	100
68) m/p-Xylenes	11.62	106	775115	95.570	ug/l	97
69) o-Xylene	11.95	106	390790	49.003	ug/l	99
70) Styrene	11.97	104	699361	50.897	ug/l	100
71) Bromoform	12.13	173	163920	48.625	ug/l #	99
73) Isopropylbenzene	12.25	105	1131037	51.781	ug/l	100
74) N-amyl acetate	12.07	43	496998	54.390	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	382042	52.230	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	322061m	51.568	ug/l	
77) Bromobenzene	12.53	156	262682	47.809	ug/l	98
78) n-propylbenzene	12.60	91	1318703	53.128	ug/l	100
79) 2-Chlorotoluene	12.68	91	785854	50.660	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	971201	52.581	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	105268	50.147	ug/l	98
82) 4-Chlorotoluene	12.78	91	828225	50.792	ug/l	99
83) tert-Butylbenzene	13.00	119	852814	51.774	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	975952	53.095	ug/l	100
85) sec-Butylbenzene	13.18	105	1179928	54.779	ug/l	100
86) p-Isopropyltoluene	13.30	119	1051413	54.907	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	504864	50.308	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	501291	48.929	ug/l	99
89) n-Butylbenzene	13.62	91	974693	53.688	ug/l	99
90) Hexachloroethane	13.88	117	173781	51.654	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	508863	50.549	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	72579	55.115	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	325971	50.681	ug/l	99
94) Hexachlorobutadiene	15.02	225	159817	51.409	ug/l	96
95) Naphthalene	15.13	128	909414	54.559	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	312740	51.444	ug/l	99

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

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