

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058698.D
 Acq On : 11 Oct 2019 12:58
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:21 AM

Quant Time: Oct 11 23:47:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	478967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	772112	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	723401	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	368385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	649370	93.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.48%	
35) Dibromofluoromethane	7.57	113	473452	100.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.50%	
50) Toluene-d8	10.08	98	1914104	103.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.30%	
62) 4-Bromofluorobenzene	12.40	95	741485	109.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	588342	109.583	ug/l	98
3) Chloromethane	2.04	50	659272	110.210	ug/l	99
4) Vinyl Chloride	2.17	62	696170	118.397	ug/l	100
5) Bromomethane	2.53	94	405610m	125.561	ug/l	
6) Chloroethane	2.67	64	413663	117.135	ug/l	99
7) Trichlorofluoromethane	2.99	101	796333	113.481	ug/l	98
8) Diethyl Ether	3.39	74	301243	101.972	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	454055	98.207	ug/l	98
10) Methyl Iodide	3.93	142	664460	123.557	ug/l	100
11) Tert butyl alcohol	4.76	59	530649	639.129	ug/l	100
12) 1,1-Dichloroethene	3.71	96	443439	98.387	ug/l	95
13) Acrolein	3.58	56	440502	1181.437	ug/l	100
14) Allyl chloride	4.30	41	899907	107.900	ug/l	99
15) Acrylonitrile	4.96	53	1383826	590.501	ug/l	100
16) Acetone	3.79	43	1339261	547.643	ug/l	98
17) Carbon Disulfide	4.03	76	1414124	115.743	ug/l	100
18) Methyl Acetate	4.30	43	677345	109.331	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	1641265	102.487	ug/l	98
20) Methylene Chloride	4.53	84	524728	94.932	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	493580	98.119	ug/l	98
22) Diisopropyl ether	5.93	45	1813909	102.092	ug/l	97
23) Vinyl Acetate	5.87	43	7305828	540.789	ug/l	95
24) 1,1-Dichloroethane	5.82	63	988275	99.020	ug/l	100
25) 2-Butanone	6.81	43	2018619	596.250	ug/l	99
26) 2,2-Dichloropropane	6.80	77	871212	105.144	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	566035	96.751	ug/l	100
28) Bromochloromethane	7.18	49	345600	88.932	ug/l	100
29) Tetrahydrofuran	7.19	42	1304899	604.360	ug/l	100
30) Chloroform	7.35	83	975609	96.888	ug/l	99
31) Cyclohexane	7.63	56	930337	96.098	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	856170	102.751	ug/l	99
36) 1,1-Dichloropropene	7.77	75	773874	104.209	ug/l	99
37) Ethyl Acetate	6.90	43	816676	125.298	ug/l	98
38) Carbon Tetrachloride	7.76	117	757372	111.505	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	926577	106.550	ug/l	99
40) Benzene	8.02	78	2200121	103.127	ug/l	100
41) Methacrylonitrile	7.16	41	376528m	123.202	ug/l	
42) 1,2-Dichloroethane	8.11	62	827792	99.778	ug/l	100
43) Isopropyl Acetate	8.15	43	1358841	112.568	ug/l	100
44) Trichloroethene	8.82	130	543804	103.380	ug/l	99
45) 1,2-Dichloropropane	9.11	63	594085	103.726	ug/l	99
46) Dibromomethane	9.20	93	377130	103.749	ug/l	99
47) Bromodichloromethane	9.39	83	783070	112.805	ug/l	99
48) Methyl methacrylate	9.19	41	637375	116.209	ug/l	99
49) 1,4-Dioxane	9.19	88	191927	2572.412	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3837964	607.070	ug/l	94
52) Toluene	10.15	92	1383751	102.859	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	932373	123.033	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	982177	117.460	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	533312	108.517	ug/l	99
56) Ethyl methacrylate	10.43	69	913688	121.656	ug/l	97
57) 1,3-Dichloropropane	10.70	76	957596	109.173	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	2155084	693.439	ug/l	100
59) 2-Hexanone	10.75	43	3037252	652.449	ug/l	95
60) Dibromochloromethane	10.90	129	603379	127.135	ug/l	100
61) 1,2-Dibromoethane	11.00	107	569061	112.862	ug/l	100
64) Tetrachloroethene	10.63	164	480744	103.313	ug/l	97
65) Chlorobenzene	11.43	112	1458341	101.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	543215	110.880	ug/l	99
67) Ethyl Benzene	11.51	91	2645104	101.311	ug/l	96
68) m/p-Xylenes	11.62	106	2037604	207.410	ug/l	91
69) o-Xylene	11.95	106	976368	103.537	ug/l	97
70) Styrene	11.97	104	1665873	108.731	ug/l	100
71) Bromoform	12.13	173	432995	138.189	ug/l	100
73) Isopropylbenzene	12.25	105	2612287	96.431	ug/l	99
74) N-amyl acetate	12.07	43	1259572	114.607	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	838434	102.777	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	757927m	110.507	ug/l	
77) Bromobenzene	12.53	156	623678	97.871	ug/l	100
78) n-propylbenzene	12.59	91	3045295	99.366	ug/l	97
79) 2-Chlorotoluene	12.68	91	1849087	97.838	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	2279589	100.223	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	315374	134.150	ug/l	98
82) 4-Chlorotoluene	12.78	91	1942203	100.452	ug/l	99
83) tert-Butylbenzene	13.00	119	1939141	101.027	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2275127	99.842	ug/l	98
85) sec-Butylbenzene	13.18	105	2583649	101.929	ug/l	99
86) p-Isopropyltoluene	13.29	119	2381614	106.265	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	1166548	100.587	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	1167616	101.366	ug/l	99
89) n-Butylbenzene	13.62	91	2231279	109.245	ug/l	98
90) Hexachloroethane	13.88	117	431459	125.280	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1130708	101.303	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	186635	125.657	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	732564	117.684	ug/l	100
94) Hexachlorobutadiene	15.01	225	356771	110.029	ug/l	98
95) Naphthalene	15.13	128	2187569	132.709	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	702178	123.296	ug/l	99

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

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