

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059530.D
 Acq On : 9 Dec 2019 16:14
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/10/2019 5:10:53 PM

Quant Time: Dec 09 16:57:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 09 16:19:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	283607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	456753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	421582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203912	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	402634	114.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	228.84%	
35) Dibromofluoromethane	7.57	113	290365	104.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	209.14%	
50) Toluene-d8	10.08	98	1138628	104.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	209.48%	
62) 4-Bromofluorobenzene	12.40	95	418288	106.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	213.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	347431	111.331	ug/l	100
3) Chloromethane	2.04	50	505041	118.574	ug/l	98
4) Vinyl Chloride	2.17	62	531535	185.147	ug/l	100
5) Bromomethane	2.53	94	308314	174.526	ug/l	99
6) Chloroethane	2.68	64	305995	182.446	ug/l	98
7) Trichlorofluoromethane	2.99	101	638119	186.367	ug/l	99
8) Diethyl Ether	3.39	74	206784	106.520	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	318375	108.188	ug/l	100
10) Methyl Iodide	3.92	142	432291	117.057	ug/l	100
11) Tert butyl alcohol	4.76	59	360486	559.650	ug/l	100
12) 1,1-Dichloroethene	3.71	96	309996	108.566	ug/l	97
13) Acrolein	3.58	56	157358	317.605	ug/l	99
14) Allyl chloride	4.29	41	623938	110.024	ug/l	100
15) Acrylonitrile	4.95	53	976260	559.400	ug/l	99
16) Acetone	3.79	43	893553	386.144	ug/l	99
17) Carbon Disulfide	4.03	76	997803	101.650	ug/l	99
18) Methyl Acetate	4.29	43	514866	110.968	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	1133573	115.387	ug/l	99
20) Methylene Chloride	4.52	84	357311	98.284	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	347933	108.282	ug/l	98
22) Diisopropyl ether	5.92	45	1249480	118.166	ug/l	94
23) Vinyl Acetate	5.86	43	5279607	619.335	ug/l	98
24) 1,1-Dichloroethane	5.82	63	684183	114.073	ug/l	99
25) 2-Butanone	6.81	43	1440589	550.653	ug/l	100
26) 2,2-Dichloropropane	6.80	77	611692	116.799	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	394991	110.460	ug/l	99
28) Bromochloromethane	7.17	49	230006	120.353	ug/l	100
29) Tetrahydrofuran	7.19	42	976860	590.992	ug/l	100
30) Chloroform	7.35	83	675048	115.671	ug/l	98
31) Cyclohexane	7.63	56	637625	110.429	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	596852	117.285	ug/l	100
36) 1,1-Dichloropropene	7.77	75	529387	113.722	ug/l	100
37) Ethyl Acetate	6.90	43	590620	113.552	ug/l	100
38) Carbon Tetrachloride	7.75	117	527207	117.202	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	632523	113.824	ug/l	98
40) Benzene	8.02	78	1498282	110.387	ug/l	100
41) Methacrylonitrile	7.16	41	278067m	129.624	ug/l	
42) 1,2-Dichloroethane	8.10	62	570205	120.974	ug/l	100
43) Isopropyl Acetate	8.15	43	968161	124.396	ug/l	100
44) Trichloroethene	8.82	130	379136	107.105	ug/l	96
45) 1,2-Dichloropropane	9.10	63	407624	112.220	ug/l	100
46) Dibromomethane	9.19	93	265779	116.895	ug/l	97
47) Bromodichloromethane	9.39	83	546960	119.552	ug/l	100
48) Methyl methacrylate	9.18	41	441149	125.862	ug/l	99
49) 1,4-Dioxane	9.19	88	105398	2041.452	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2803880	608.189	ug/l	97
52) Toluene	10.15	92	929632	113.527	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	641060	119.483	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	661881	116.934	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	365404	113.012	ug/l	98
56) Ethyl methacrylate	10.42	69	606755	129.530	ug/l	99
57) 1,3-Dichloropropane	10.70	76	641545	114.275	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	690541	504.552	ug/l	99
59) 2-Hexanone	10.74	43	2138078	616.229	ug/l	98
60) Dibromochloromethane	10.90	129	412842	118.829	ug/l	100
61) 1,2-Dibromoethane	11.00	107	389905	116.405	ug/l	99
64) Tetrachloroethene	10.63	164	338317	99.050	ug/l	97
65) Chlorobenzene	11.43	112	970069	108.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	368371	113.838	ug/l	100
67) Ethyl Benzene	11.51	91	1810757	114.913	ug/l	99
68) m/p-Xylenes	11.62	106	1344204	227.233	ug/l	100
69) o-Xylene	11.94	106	644790	114.455	ug/l	97
70) Styrene	11.96	104	1079100	119.590	ug/l	98
71) Bromoform	12.13	173	301890	118.078	ug/l #	100
73) Isopropylbenzene	12.25	105	1736691	111.740	ug/l	100
74) N-amyl acetate	12.07	43	841467	132.602	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	547940	108.604	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	573037m	115.024	ug/l	
77) Bromobenzene	12.53	156	405343	102.993	ug/l	93
78) n-propylbenzene	12.59	91	2054863	112.471	ug/l	100
79) 2-Chlorotoluene	12.67	91	1237820	112.226	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1566045	119.048	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	221484	120.662	ug/l	91
82) 4-Chlorotoluene	12.77	91	1255973	109.924	ug/l	98
83) tert-Butylbenzene	12.99	119	1222820	107.196	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1448003	112.342	ug/l	99
85) sec-Butylbenzene	13.17	105	1687794	111.327	ug/l	100
86) p-Isopropyltoluene	13.29	119	1530539	112.274	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	740081	105.655	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	733022	103.644	ug/l	100
89) n-Butylbenzene	13.62	91	1471799	120.157	ug/l	99
90) Hexachloroethane	13.88	117	289356	110.154	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	702796	104.815	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	125331	102.932	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	480001	113.823	ug/l	99
94) Hexachlorobutadiene	15.01	225	241485	91.983	ug/l	99
95) Naphthalene	15.13	128	1431214	115.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	471082	104.427	ug/l	99

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

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