

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058204.D
 Acq On : 19 Sep 2019 14:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:27 PM

Quant Time: Sep 20 08:03:03 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	488445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	823801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	378721	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	358998	52.77	ug/l	0.00
Spiked Amount						
			Recovery	=	105.54%	
35) Dibromofluoromethane	7.57	113	256748	51.27	ug/l	0.00
Spiked Amount						
			Recovery	=	102.54%	
50) Toluene-d8	10.08	98	1037546	53.17	ug/l	0.00
Spiked Amount						
			Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.40	95	379283	52.33	ug/l	0.00
Spiked Amount						
			Recovery	=	104.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	184672	46.025	ug/l	98
3) Chloromethane	2.04	50	149931	48.445	ug/l	99
4) Vinyl Chloride	2.17	62	165752	48.990	ug/l	99
5) Bromomethane	2.54	94	87350	48.807	ug/l	95
6) Chloroethane	2.68	64	109957	50.782	ug/l	99
7) Trichlorofluoromethane	3.00	101	251137	45.855	ug/l	99
8) Diethyl Ether	3.39	74	116834	46.557	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	185894	47.077	ug/l	99
10) Methyl Iodide	3.93	142	150725	45.553	ug/l	99
11) Tert butyl alcohol	4.76	59	213360	263.654	ug/l	100
12) 1,1-Dichloroethene	3.72	96	148563	49.573	ug/l	98
13) Acrolein	3.59	56	26805	223.511	ug/l	100
14) Allyl chloride	4.30	41	305539	47.287	ug/l	99
15) Acrylonitrile	4.96	53	562358	260.827	ug/l	100
16) Acetone	3.79	43	546972	236.862	ug/l	99
17) Carbon Disulfide	4.03	76	182904	43.398	ug/l	100
18) Methyl Acetate	4.30	43	295392	48.613	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	743372	49.913	ug/l	98
20) Methylene Chloride	4.53	84	204571	50.601	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	159317	48.780	ug/l	98
22) Diisopropyl ether	5.93	45	818096	49.843	ug/l	95
23) Vinyl Acetate	5.87	43	2994269	266.609	ug/l	100
24) 1,1-Dichloroethane	5.83	63	423534	48.348	ug/l	99
25) 2-Butanone	6.81	43	806999	256.511	ug/l	99
26) 2,2-Dichloropropane	6.81	77	351440	47.289	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	238144	48.078	ug/l	98
28) Bromochloromethane	7.18	49	210058	50.689	ug/l	100
29) Tetrahydrofuran	7.19	42	489902	252.802	ug/l	99
30) Chloroform	7.36	83	456172	48.377	ug/l	100
31) Cyclohexane	7.64	56	274914	48.476	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	363585	50.650	ug/l	99
36) 1,1-Dichloropropene	7.78	75	265327	44.662	ug/l	98
37) Ethyl Acetate	6.91	43	314108	50.948	ug/l	100
38) Carbon Tetrachloride	7.76	117	284152	47.582	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	274029	47.710	ug/l	97
40) Benzene	8.03	78	865745	47.712	ug/l	99
41) Methacrylonitrile	7.16	41	158931	51.149	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	367540	48.272	ug/l	99
43) Isopropyl Acetate	8.15	43	569561	49.465	ug/l	99
44) Trichloroethene	8.82	130	211670	47.669	ug/l	100
45) 1,2-Dichloropropane	9.11	63	269400	49.715	ug/l	97
46) Dibromomethane	9.20	93	164501	49.931	ug/l	97
47) Bromodichloromethane	9.39	83	354328	51.337	ug/l	96
48) Methyl methacrylate	9.19	41	269090	51.471	ug/l	99
49) 1,4-Dioxane	9.19	88	90307	1052.116	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1751996	286.466	ug/l	99
52) Toluene	10.15	92	547677	48.161	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	373531	52.832	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	402422	51.554	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258596	51.242	ug/l	99
56) Ethyl methacrylate	10.43	69	387620	53.235	ug/l	99
57) 1,3-Dichloropropane	10.71	76	435620	50.212	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	940256	271.101	ug/l	99
59) 2-Hexanone	10.75	43	1274080	280.498	ug/l	99
60) Dibromochloromethane	10.90	129	261680	53.899	ug/l	100
61) 1,2-Dibromoethane	11.00	107	238807	51.062	ug/l	100
64) Tetrachloroethene	10.63	164	169945	45.590	ug/l	100
65) Chlorobenzene	11.43	112	644643	47.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	253868	52.052	ug/l	99
67) Ethyl Benzene	11.51	91	1158236	50.255	ug/l	99
68) m/p-Xylenes	11.62	106	842673	97.079	ug/l	97
69) o-Xylene	11.95	106	428140	50.162	ug/l	98
70) Styrene	11.97	104	751748	51.118	ug/l	99
71) Bromoform	12.13	173	167308	46.538	ug/l #	100
73) Isopropylbenzene	12.25	105	1211407	51.102	ug/l	100
74) N-amyl acetate	12.07	43	533293	53.776	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	404236	50.922	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	387479m	57.168	ug/l	
77) Bromobenzene	12.53	156	285144	47.819	ug/l	98
78) n-propylbenzene	12.60	91	1417269	52.613	ug/l	99
79) 2-Chlorotoluene	12.68	91	846882	50.304	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1039876	51.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	105479	46.743	ug/l	97
82) 4-Chlorotoluene	12.78	91	904014	51.084	ug/l	100
83) tert-Butylbenzene	13.00	119	919214	51.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1054434	52.857	ug/l	100
85) sec-Butylbenzene	13.18	105	1241659	53.116	ug/l	100
86) p-Isopropyltoluene	13.29	119	1119663	53.876	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	553049	50.779	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	548632	49.342	ug/l	100
89) n-Butylbenzene	13.62	91	1028650	52.208	ug/l	99
90) Hexachloroethane	13.88	117	173302	47.693	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	553992	50.708	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75863	53.082	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	351838	50.404	ug/l	99
94) Hexachlorobutadiene	15.01	225	162901	48.284	ug/l	100
95) Naphthalene	15.13	128	974900	53.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	335854	50.905	ug/l	99

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

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