

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062519\
 Data File : VN056470.D
 Acq On : 25 Jun 2019 8:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/26/2019 9:28:09 AM

Quant Time: Jun 26 03:57:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	374672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	556859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	496185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	219030	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	192876	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
35) Dibromofluoromethane	7.59	113	170333	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
50) Toluene-d8	10.09	98	648942	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
62) 4-Bromofluorobenzene	12.40	95	229230	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	152474	48.061	ug/l	99
3) Chloromethane	2.06	50	189289	43.819	ug/l	99
4) Vinyl Chloride	2.18	62	191192	45.825	ug/l	100
5) Bromomethane	2.51	94	91899	37.572	ug/l	100
6) Chloroethane	2.66	64	113464m	46.960	ug/l	
7) Trichlorofluoromethane	2.99	101	258331	47.866	ug/l	98
8) Diethyl Ether	3.40	74	108032	47.297	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	170509	49.542	ug/l	99
10) Methyl Iodide	3.94	142	224831	48.333	ug/l	100
11) Tert butyl alcohol	4.80	59	165362	236.437	ug/l	99
12) 1,1-Dichloroethene	3.72	96	157271	47.517	ug/l	97
13) Acrolein	3.60	56	126843	215.185	ug/l	99
14) Allyl chloride	4.31	41	270883	49.166	ug/l	99
15) Acrylonitrile	4.98	53	456655	236.014	ug/l	100
16) Acetone	3.82	43	535030	257.167	ug/l	100
17) Carbon Disulfide	4.04	76	335426	44.557	ug/l	99
18) Methyl Acetate	4.32	43	194761	47.758	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	533538	48.716	ug/l	99
20) Methylene Chloride	4.54	84	189815	48.369	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	168455	47.207	ug/l	96
22) Diisopropyl ether	5.95	45	575481	49.735	ug/l	98
23) Vinyl Acetate	5.89	43	2354867	258.030	ug/l	100
24) 1,1-Dichloroethane	5.84	63	326148	49.103	ug/l	100
25) 2-Butanone	6.83	43	690520	250.777	ug/l	99
26) 2,2-Dichloropropane	6.82	77	242132	52.414	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	204999	49.103	ug/l	100
28) Bromochloromethane	7.19	49	155026	47.187	ug/l	97
29) Tetrahydrofuran	7.21	42	400938	238.273	ug/l	99
30) Chloroform	7.37	83	324516	49.513	ug/l	99
31) Cyclohexane	7.65	56	294363	45.906	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	262658	50.559	ug/l	100
36) 1,1-Dichloropropene	7.79	75	238065	48.571	ug/l	98
37) Ethyl Acetate	6.93	43	242823	50.412	ug/l	99
38) Carbon Tetrachloride	7.77	117	219953	51.317	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	300387	49.668	ug/l	98
40) Benzene	8.04	78	743775	49.333	ug/l	99
41) Methacrylonitrile	7.18	41	101560m	47.749	ug/l	
42) 1,2-Dichloroethane	8.12	62	242474	48.733	ug/l	99
43) Isopropyl Acetate	8.16	43	390184	52.534	ug/l #	91
44) Trichloroethene	8.83	130	205185	50.522	ug/l	99
45) 1,2-Dichloropropane	9.12	63	205079	50.863	ug/l	100
46) Dibromomethane	9.20	93	128211	50.825	ug/l	99
47) Bromodichloromethane	9.40	83	242052	54.102	ug/l	100
48) Methyl methacrylate	9.20	41	188200	50.564	ug/l	99
49) 1,4-Dioxane	9.20	88	81609	1056.573	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1207654	251.916	ug/l	99
52) Toluene	10.15	92	463821	50.320	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	261363	50.148	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	301569	55.974	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	191522	51.692	ug/l	99
56) Ethyl methacrylate	10.43	69	283982	52.447	ug/l	100
57) 1,3-Dichloropropane	10.71	76	317021	50.933	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	489735	251.764	ug/l	99
59) 2-Hexanone	10.75	43	881928	250.311	ug/l	100
60) Dibromochloromethane	10.90	129	190560	50.036	ug/l	100
61) 1,2-Dibromoethane	11.00	107	194923	51.511	ug/l	98
64) Tetrachloroethene	10.63	164	202502	51.535	ug/l	99
65) Chlorobenzene	11.43	112	503751	50.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	184085	54.630	ug/l	99
67) Ethyl Benzene	11.51	91	886346	50.631	ug/l	100
68) m/p-Xylenes	11.62	106	670617	104.529	ug/l	100
69) o-Xylene	11.95	106	328558	51.764	ug/l	99
70) Styrene	11.96	104	551619	54.371	ug/l	99
71) Bromoform	12.13	173	135211	49.755	ug/l #	99
73) Isopropylbenzene	12.25	105	877230	53.512	ug/l	100
74) N-amyl acetate	12.07	43	319087	45.775	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	262978	51.742	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	226351m	49.839	ug/l	
77) Bromobenzene	12.52	156	228907	46.739	ug/l	99
78) n-propylbenzene	12.59	91	969809	48.351	ug/l	100
79) 2-Chlorotoluene	12.67	91	588098	53.656	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	732385	53.279	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	70097	54.856	ug/l	93
82) 4-Chlorotoluene	12.77	91	578294	48.830	ug/l	100
83) tert-Butylbenzene	12.99	119	644395	53.862	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	713924	48.418	ug/l	99
85) sec-Butylbenzene	13.17	105	848911	48.152	ug/l	100
86) p-Isopropyltoluene	13.29	119	748657	49.482	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	375126	50.543	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	362598	50.445	ug/l	99
89) n-Butylbenzene	13.61	91	576874	50.366	ug/l	100
90) Hexachloroethane	13.87	117	120350	51.021	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	370386	50.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40460	49.924	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	165102	43.834	ug/l	99
94) Hexachlorobutadiene	15.01	225	140135	56.396	ug/l	99
95) Naphthalene	15.13	128	414167	42.236	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	175882	44.779	ug/l	99

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

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