

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052919\
 Data File : VN055865.D
 Acq On : 29 May 2019 9:49
 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
 5/30/2019 9:34:56 AM

Quant Time: May 30 09:02:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	347398	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	489771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	437332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	201117	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	174258	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.59	113	155750	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
50) Toluene-d8	10.09	98	597813	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
62) 4-Bromofluorobenzene	12.40	95	204043	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101274	43.316	ug/l	100
3) Chloromethane	2.06	50	143486	43.802	ug/l	99
4) Vinyl Chloride	2.18	62	154353	44.177	ug/l	97
5) Bromomethane	2.52	94	126841	58.028	ug/l	99
6) Chloroethane	2.67	64	89712	42.647	ug/l	99
7) Trichlorofluoromethane	3.00	101	209924	45.828	ug/l	100
8) Diethyl Ether	3.40	74	93633	45.607	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	134581	47.066	ug/l	99
10) Methyl Iodide	3.93	142	212752	50.892	ug/l	100
11) Tert butyl alcohol	4.82	59	152039	221.799	ug/l	98
12) 1,1-Dichloroethene	3.72	96	136548	46.217	ug/l	98
13) Acrolein	3.60	56	104593	213.093	ug/l	97
14) Allyl chloride	4.31	41	231779	45.762	ug/l	98
15) Acrylonitrile	4.99	53	376664	239.298	ug/l	99
16) Acetone	3.82	43	390499	247.613	ug/l	99
17) Carbon Disulfide	4.03	76	339507	40.445	ug/l	99
18) Methyl Acetate	4.33	43	162764	50.787	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	465552	47.246	ug/l	99
20) Methylene Chloride	4.54	84	156855	45.926	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	146447	46.138	ug/l	99
22) Diisopropyl ether	5.95	45	464786	47.181	ug/l	99
23) Vinyl Acetate	5.89	43	1998725	236.642	ug/l	99
24) 1,1-Dichloroethane	5.84	63	266534	46.470	ug/l	99
25) 2-Butanone	6.84	43	539731	245.056	ug/l	99
26) 2,2-Dichloropropane	6.82	77	226624	45.654	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	175540	47.403	ug/l	99
28) Bromochloromethane	7.19	49	132234	48.423	ug/l	99
29) Tetrahydrofuran	7.21	42	333309	238.971	ug/l	100
30) Chloroform	7.37	83	271359	47.440	ug/l	98
31) Cyclohexane	7.65	56	244321	45.371	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	236496	46.332	ug/l	99
36) 1,1-Dichloropropene	7.79	75	200638	47.008	ug/l	99
37) Ethyl Acetate	6.93	43	204292	49.523	ug/l	99
38) Carbon Tetrachloride	7.77	117	206494	46.446	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	253295	47.924	ug/l	98
40) Benzene	8.04	78	627980	48.819	ug/l	100
41) Methacrylonitrile	7.17	41	100369	48.160	ug/l	100
42) 1,2-Dichloroethane	8.12	62	201366	47.907	ug/l	100
43) Isopropyl Acetate	8.17	43	330914	47.744	ug/l #	92
44) Trichloroethene	8.83	130	181007	50.475	ug/l	100
45) 1,2-Dichloropropane	9.12	63	164639	49.125	ug/l	99
46) Dibromomethane	9.21	93	109195	49.681	ug/l	98
47) Bromodichloromethane	9.40	83	216103	47.949	ug/l	100
48) Methyl methacrylate	9.20	41	163043	51.041	ug/l	98
49) 1,4-Dioxane	9.20	88	66610	1003.452	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1008113	246.274	ug/l	100
52) Toluene	10.16	92	402464	49.747	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	233970	48.635	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	259405	48.674	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	160989	49.673	ug/l	98
56) Ethyl methacrylate	10.43	69	252530	50.416	ug/l	99
57) 1,3-Dichloropropane	10.71	76	262515	49.830	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	462650	241.695	ug/l	100
59) 2-Hexanone	10.75	43	715111	246.256	ug/l	99
60) Dibromochloromethane	10.90	129	184500	48.867	ug/l	100
61) 1,2-Dibromoethane	11.00	107	168801	50.213	ug/l	99
64) Tetrachloroethene	10.63	164	177760	48.192	ug/l	99
65) Chlorobenzene	11.43	112	435089	49.697	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	167487	47.966	ug/l	99
67) Ethyl Benzene	11.51	91	761843	48.525	ug/l	98
68) m/p-Xylenes	11.62	106	588020	99.070	ug/l	99
69) o-Xylene	11.95	106	286701	48.687	ug/l	100
70) Styrene	11.96	104	477334	50.055	ug/l	99
71) Bromoform	12.13	173	137626	46.209	ug/l #	99
73) Isopropylbenzene	12.25	105	759558	53.267	ug/l	100
74) N-amyl acetate	12.07	43	271063	49.761	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	220081	52.079	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	178737m	51.721	ug/l	
77) Bromobenzene	12.53	156	202567	47.200	ug/l	97
78) n-propylbenzene	12.59	91	818615	46.832	ug/l	99
79) 2-Chlorotoluene	12.67	91	494643	52.672	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	630780	52.510	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	65825	44.037	ug/l	96
82) 4-Chlorotoluene	12.77	91	484535	47.157	ug/l	100
83) tert-Butylbenzene	12.99	119	551969	53.223	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	623347	51.940	ug/l	99
85) sec-Butylbenzene	13.17	105	716089	53.035	ug/l	100
86) p-Isopropyltoluene	13.29	119	654065	46.830	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	330112	48.578	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	319547	49.459	ug/l	99
89) n-Butylbenzene	13.61	91	511985	47.843	ug/l	100
90) Hexachloroethane	13.87	117	114463	43.057	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	329795	48.643	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39813	44.677	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	183925	47.358	ug/l	99
94) Hexachlorobutadiene	15.01	225	123276	51.729	ug/l	99
95) Naphthalene	15.13	128	490829	52.758	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	193779	54.069	ug/l	99

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

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