

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059645.D
 Acq On : 18 Dec 2019 11:53
 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
 12/19/2019 11:11:26 AM

Quant Time: Dec 19 04:48:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	235884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	375567	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	348449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170042	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	179283	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.56	113	124807	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
50) Toluene-d8	10.08	98	500655	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.40	95	181167	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	136329	44.726	ug/l	99
3) Chloromethane	2.04	50	231863	47.935	ug/l	99
4) Vinyl Chloride	2.17	62	215837	47.054	ug/l	98
5) Bromomethane	2.55	94	120131	45.050	ug/l	97
6) Chloroethane	2.68	64	125918	48.844	ug/l	99
7) Trichlorofluoromethane	3.00	101	258796	51.422	ug/l	100
8) Diethyl Ether	3.38	74	81134	51.596	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	126830	50.007	ug/l	99
10) Methyl Iodide	3.92	142	164825	49.090	ug/l	99
11) Tert butyl alcohol	4.74	59	158937	252.569	ug/l	99
12) 1,1-Dichloroethene	3.71	96	121966	49.297	ug/l	92
13) Acrolein	3.58	56	70130	156.450	ug/l	97
14) Allyl chloride	4.29	41	251450	49.508	ug/l	100
15) Acrylonitrile	4.95	53	407835	267.934	ug/l	99
16) Acetone	3.78	43	465460	228.404	ug/l	100
17) Carbon Disulfide	4.02	76	383127	45.119	ug/l	100
18) Methyl Acetate	4.29	43	214974	50.343	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	457207	52.338	ug/l	99
20) Methylene Chloride	4.52	84	146773	49.869	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	138957	50.381	ug/l	96
22) Diisopropyl ether	5.92	45	508884	54.347	ug/l	99
23) Vinyl Acetate	5.86	43	2213966	301.292	ug/l	99
24) 1,1-Dichloroethane	5.82	63	282708	53.300	ug/l	99
25) 2-Butanone	6.80	43	621027	254.842	ug/l	100
26) 2,2-Dichloropropane	6.79	77	254285	52.749	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	160829	52.623	ug/l	98
28) Bromochloromethane	7.17	49	68530	30.928	ug/l	98
29) Tetrahydrofuran	7.18	42	391235	263.498	ug/l	99
30) Chloroform	7.35	83	275215	52.713	ug/l	99
31) Cyclohexane	7.63	56	250417	49.966	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	241112	51.224	ug/l	100
36) 1,1-Dichloropropene	7.77	75	210014	53.621	ug/l	99
37) Ethyl Acetate	6.90	43	243680	53.531	ug/l	99
38) Carbon Tetrachloride	7.75	117	210304	51.746	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	241075	54.265	ug/l	100
40) Benzene	8.02	78	612047	53.473	ug/l	100
41) Methacrylonitrile	7.15	41	95704m	50.942	ug/l	
42) 1,2-Dichloroethane	8.10	62	236207	53.887	ug/l	100
43) Isopropyl Acetate	8.14	43	384209	54.287	ug/l	100
44) Trichloroethene	8.82	130	154859	51.653	ug/l	100
45) 1,2-Dichloropropane	9.10	63	166894	53.997	ug/l	100
46) Dibromomethane	9.19	93	107501	53.088	ug/l	100
47) Bromodichloromethane	9.39	83	220153	54.531	ug/l	99
48) Methyl methacrylate	9.18	41	174891	54.466	ug/l	98
49) 1,4-Dioxane	9.18	88	54116	1176.040	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1204864	285.533	ug/l	99
52) Toluene	10.14	92	372517	52.969	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	255216	54.660	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	271815	55.382	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	149000	53.992	ug/l	98
56) Ethyl methacrylate	10.42	69	232176	56.672	ug/l	98
57) 1,3-Dichloropropane	10.70	76	261217	54.364	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154468	118.552	ug/l	99
59) 2-Hexanone	10.74	43	927745	278.964	ug/l	100
60) Dibromochloromethane	10.89	129	166541	55.293	ug/l	100
61) 1,2-Dibromoethane	11.00	107	155732	53.210	ug/l	99
64) Tetrachloroethene	10.62	164	145017	44.645	ug/l	99
65) Chlorobenzene	11.43	112	391118	51.875	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	149473	52.194	ug/l	100
67) Ethyl Benzene	11.50	91	729878	53.631	ug/l	99
68) m/p-Xylenes	11.62	106	537311	106.918	ug/l	100
69) o-Xylene	11.94	106	254466	53.216	ug/l	100
70) Styrene	11.96	104	416832	54.255	ug/l	98
71) Bromoform	12.12	173	118490	55.042	ug/l #	99
73) Isopropylbenzene	12.25	105	691272	51.787	ug/l	100
74) N-amyl acetate	12.07	43	332387	54.285	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	220669	52.115	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	222307m	52.811	ug/l	
77) Bromobenzene	12.52	156	165011	50.267	ug/l	98
78) n-propylbenzene	12.59	91	837424	53.072	ug/l	100
79) 2-Chlorotoluene	12.67	91	492518	51.620	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	590069	52.237	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	89836	52.711	ug/l	100
82) 4-Chlorotoluene	12.77	91	511735	52.383	ug/l	99
83) tert-Butylbenzene	12.99	119	487632	50.974	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	597499	53.195	ug/l	100
85) sec-Butylbenzene	13.17	105	671285	52.753	ug/l	100
86) p-Isopropyltoluene	13.28	119	614428	53.312	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	301168	49.893	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	298727	49.085	ug/l	99
89) n-Butylbenzene	13.61	91	570821	52.828	ug/l	99
90) Hexachloroethane	13.87	117	113240	51.981	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	295243	49.596	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	51568	44.865	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	183116	47.636	ug/l	99
94) Hexachlorobutadiene	15.00	225	95605	47.628	ug/l	99
95) Naphthalene	15.12	128	529082	46.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	176535	45.406	ug/l	99

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

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