

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053319.D
 Acq On : 9 Jan 2019 9:07
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:25:13 AM

Quant Time: Jan 10 03:22:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1134606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1692317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1516923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	712456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	558820	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	7.59	113	483405	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.09	98	2056365	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	724250	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	496463	49.633	ug/l	100
3) Chloromethane	2.06	50	628683	45.007	ug/l	99
4) Vinyl Chloride	2.19	62	630862	47.318	ug/l	100
5) Bromomethane	2.57	94	416133	47.765	ug/l	99
6) Chloroethane	2.71	64	377519	46.912	ug/l	100
7) Trichlorofluoromethane	3.02	101	834469	48.321	ug/l	100
8) Diethyl Ether	3.41	74	323738	47.829	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	543587	49.666	ug/l	99
10) Methyl Iodide	3.96	142	781248	50.923	ug/l	100
11) Tert butyl alcohol	4.78	59	180713	254.528	ug/l	99
12) 1,1-Dichloroethene	3.74	96	507229	47.912	ug/l	100
13) Acrolein	3.61	56	196567	220.195	ug/l	100
14) Allyl chloride	4.33	41	795877	46.643	ug/l	100
15) Acrylonitrile	4.99	53	997930	235.452	ug/l	100
16) Acetone	3.81	43	904121	318.866	ug/l	98
17) Carbon Disulfide	4.06	76	1517142	46.483	ug/l	99
18) Methyl Acetate	4.32	43	462821	43.322	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1429501	48.112	ug/l	99
20) Methylene Chloride	4.55	84	577999	45.591	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	545716	48.008	ug/l	99
22) Diisopropyl ether	5.95	45	1768883	48.122	ug/l	99
23) Vinyl Acetate	5.90	43	5608749	242.499	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1007094	47.503	ug/l	100
25) 2-Butanone	6.83	43	1212575	250.389	ug/l	99
26) 2,2-Dichloropropane	6.82	77	782264	50.477	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	628975	48.454	ug/l	99
28) Bromochloromethane	7.19	49	439991	48.702	ug/l	98
29) Tetrahydrofuran	7.21	42	742421	232.313	ug/l	99
30) Chloroform	7.37	83	990036	47.445	ug/l	98
31) Cyclohexane	7.65	56	945745	46.932	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	828666	47.656	ug/l	100
36) 1,1-Dichloropropene	7.79	75	788144	49.886	ug/l	100
37) Ethyl Acetate	6.93	43	495906	48.189	ug/l	100
38) Carbon Tetrachloride	7.77	117	728298	49.943	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	918715	50.194	ug/l	99
40) Benzene	8.04	78	2369590	49.101	ug/l	99
41) Methacrylonitrile	7.17	41	253482	39.675	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	691045	48.274	ug/l	99
43) Isopropyl Acetate	8.16	43	889636	43.945	ug/l	99
44) Trichloroethene	8.83	130	656796	49.564	ug/l	99
45) 1,2-Dichloropropane	9.12	63	624387	49.330	ug/l	99
46) Dibromomethane	9.21	93	361803	49.024	ug/l	100
47) Bromodichloromethane	9.40	83	765219	49.755	ug/l	99
48) Methyl methacrylate	9.20	41	444238	48.301	ug/l	98
49) 1,4-Dioxane	9.20	88	111364	1136.473	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2485402	244.132	ug/l	100
52) Toluene	10.16	92	1483358	50.101	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	809094	51.426	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	928617	51.077	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	525689	48.288	ug/l	100
56) Ethyl methacrylate	10.43	69	722137	51.045	ug/l	99
57) 1,3-Dichloropropane	10.71	76	899511	49.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1879361	245.725	ug/l	100
59) 2-Hexanone	10.75	43	1798478	257.834	ug/l	99
60) Dibromochloromethane	10.90	129	594071	50.594	ug/l	99
61) 1,2-Dibromoethane	11.00	107	526482	49.007	ug/l	99
64) Tetrachloroethene	10.63	164	704795	49.365	ug/l	99
65) Chlorobenzene	11.43	112	1622707	49.243	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	575088	49.860	ug/l	100
67) Ethyl Benzene	11.51	91	2837111	50.667	ug/l	100
68) m/p-Xylenes	11.62	106	2154572	102.328	ug/l	100
69) o-Xylene	11.95	106	1040113	50.458	ug/l	100
70) Styrene	11.96	104	1728771	51.530	ug/l	100
71) Bromoform	12.13	173	416075	51.071	ug/l #	99
73) Isopropylbenzene	12.25	105	2737444	51.607	ug/l	100
74) N-amyl acetate	12.07	43	801144	50.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	595285	48.786	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	533172m	51.308	ug/l	
77) Bromobenzene	12.53	156	718346	50.740	ug/l	99
78) n-propylbenzene	12.59	91	3125877	52.097	ug/l	100
79) 2-Chlorotoluene	12.67	91	1831843	50.456	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2197816	51.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	196609	55.666	ug/l	99
82) 4-Chlorotoluene	12.77	91	1898434	50.995	ug/l	100
83) tert-Butylbenzene	12.99	119	1898162	50.634	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2239163	51.441	ug/l	100
85) sec-Butylbenzene	13.17	105	2536363	51.303	ug/l	100
86) p-Isopropyltoluene	13.29	119	2226155	52.007	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1242409	49.834	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1233385	49.872	ug/l	100
89) n-Butylbenzene	13.62	91	1870641	52.125	ug/l	100
90) Hexachloroethane	13.88	117	351335	51.209	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1157311	49.558	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77311	52.237	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	399049	54.346	ug/l	99
94) Hexachlorobutadiene	15.01	225	317117	52.801	ug/l	98
95) Naphthalene	15.13	128	714203	57.016	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	266652	55.467	ug/l	100

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

