

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055020.D
 Acq On : 13 Apr 2019 00:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:45 PM

Quant Time: Apr 15 01:46:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	504386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	807620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	663404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	278409	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	327761	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
35) Dibromofluoromethane	7.59	113	261245	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.09	98	937118	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	299052	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	252936	45.464	ug/l	100
3) Chloromethane	2.06	50	311026	41.688	ug/l	98
4) Vinyl Chloride	2.19	62	264864	43.749	ug/l	98
5) Bromomethane	2.55	94	144229	41.154	ug/l	96
6) Chloroethane	2.70	64	145188	43.486	ug/l	97
7) Trichlorofluoromethane	3.02	101	341008	44.904	ug/l	95
8) Diethyl Ether	3.41	74	108032	45.234	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	170076	42.939	ug/l	99
10) Methyl Iodide	3.94	142	330674	57.887	ug/l	94
11) Tert butyl alcohol	4.83	59	95349	244.800	ug/l	99
12) 1,1-Dichloroethene	3.73	96	165894	42.540	ug/l	99
13) Acrolein	3.61	56	105908	225.267	ug/l	97
14) Allyl chloride	4.32	41	430556	45.187	ug/l	100
15) Acrylonitrile	5.00	53	517820	241.037	ug/l	99
16) Acetone	3.82	43	335109	192.718	ug/l	98
17) Carbon Disulfide	4.04	76	565310	44.506	ug/l	98
18) Methyl Acetate	4.33	43	242656	45.019	ug/l	98
19) Methyl tert-butyl Ether	5.06	73	673149	48.312	ug/l	99
20) Methylene Chloride	4.54	84	261263	46.175	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	233939	45.537	ug/l	94
22) Diisopropyl ether	5.96	45	917377	47.485	ug/l	99
23) Vinyl Acetate	5.90	43	3324383	246.027	ug/l	100
24) 1,1-Dichloroethane	5.85	63	473826	45.411	ug/l	98
25) 2-Butanone	6.85	43	642871	240.047	ug/l	99
26) 2,2-Dichloropropane	6.82	77	261740	37.917	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	268214	44.942	ug/l	99
28) Bromochloromethane	7.20	49	224961	45.442	ug/l	99
29) Tetrahydrofuran	7.22	42	428540	244.098	ug/l	99
30) Chloroform	7.37	83	446406	44.866	ug/l	99
31) Cyclohexane	7.65	56	430134	44.447	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	367667	46.385	ug/l	99
36) 1,1-Dichloropropene	7.79	75	341600	45.766	ug/l	99
37) Ethyl Acetate	6.94	43	282451	50.407	ug/l	98
38) Carbon Tetrachloride	7.77	117	306763	43.662	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	340358	39.831	ug/l	100
40) Benzene	8.04	78	1016737	45.056	ug/l	100
41) Methacrylonitrile	7.18	41	165925	48.124	ug/l	97
42) 1,2-Dichloroethane	8.13	62	356080	44.855	ug/l	99
43) Isopropyl Acetate	8.17	43	480181	50.117	ug/l	99
44) Trichloroethene	8.83	130	257129	44.586	ug/l	99
45) 1,2-Dichloropropane	9.12	63	287225	45.103	ug/l	100
46) Dibromomethane	9.21	93	164086	44.968	ug/l	98
47) Bromodichloromethane	9.40	83	337431	45.474	ug/l	99
48) Methyl methacrylate	9.20	41	231799	46.963	ug/l	100
49) 1,4-Dioxane	9.20	88	46107	868.610	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1404349	250.326	ug/l	99
52) Toluene	10.16	92	594907	44.576	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	320199	47.655	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	388050	46.884	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	230034	46.270	ug/l	99
56) Ethyl methacrylate	10.43	69	318866	49.844	ug/l	98
57) 1,3-Dichloropropane	10.71	76	395077	46.066	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	615941	216.878	ug/l	98
59) 2-Hexanone	10.75	43	865021	246.746	ug/l	100
60) Dibromochloromethane	10.90	129	239007	48.297	ug/l	100
61) 1,2-Dibromoethane	11.01	107	220454	46.314	ug/l	100
64) Tetrachloroethene	10.63	164	234420	45.174	ug/l	96
65) Chlorobenzene	11.43	112	614743	48.058	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	232325	49.283	ug/l	99
67) Ethyl Benzene	11.51	91	1113774	47.401	ug/l	98
68) m/p-Xylenes	11.62	106	813336	94.612	ug/l	99
69) o-Xylene	11.95	106	396456	46.611	ug/l	99
70) Styrene	11.96	104	675797	50.109	ug/l	99
71) Bromoform	12.13	173	146972	45.703	ug/l #	100
73) Isopropylbenzene	12.25	105	1033491	43.660	ug/l	99
74) N-amyl acetate	12.07	43	413852	58.004	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	285715	46.620	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	251322m	49.067	ug/l	
77) Bromobenzene	12.53	156	264421	49.818	ug/l	99
78) n-propylbenzene	12.59	91	1142550	44.303	ug/l	100
79) 2-Chlorotoluene	12.67	91	700259	43.953	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	846686	43.938	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	59895	48.265	ug/l	97
82) 4-Chlorotoluene	12.77	91	706600	45.859	ug/l	100
83) tert-Butylbenzene	12.99	119	706923	42.822	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	835763	45.231	ug/l	100
85) sec-Butylbenzene	13.17	105	893422	42.387	ug/l	99
86) p-Isopropyltoluene	13.29	119	950066	51.821	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	425707	45.018	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	415020	45.887	ug/l	100
89) n-Butylbenzene	13.62	91	653076	45.356	ug/l	99
90) Hexachloroethane	13.88	117	123086	40.629	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	424888	46.283	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42836	53.753	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	203337	44.979	ug/l	99
94) Hexachlorobutadiene	15.01	225	121896	44.266	ug/l	98
95) Naphthalene	15.13	128	503505	47.574	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	203468	49.134	ug/l	99

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

