

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050951.D
 Acq On : 30 Aug 2018 10:22
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/31/2018 11:32:21 AM

Quant Time: Aug 31 02:08:09 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	601101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	823604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	765781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	409060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	332841	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.59	113	323332	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	10.09	98	1206901	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	408601	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	388858	48.34	ug/l	100
3) Chloromethane	2.06	50	425230	42.86	ug/l	99
4) Vinyl Chloride	2.18	62	429920	45.74	ug/l	100
5) Bromomethane	2.56	94	244870	45.75	ug/l	98
6) Chloroethane	2.70	64	247860	45.64	ug/l	99
7) Trichlorofluoromethane	3.01	101	575635	47.83	ug/l	100
8) Diethyl Ether	3.41	74	197454	48.25	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361228	48.04	ug/l	99
10) Methyl Iodide	3.95	142	295734	45.47	ug/l	100
11) Tert butyl alcohol	4.79	59	117384	254.74	ug/l	100
12) 1,1-Dichloroethene	3.73	96	319386	47.31	ug/l	98
13) Acrolein	3.61	56	52379	198.62	ug/l	99
14) Allyl chloride	4.32	41	504425	47.95	ug/l	99
15) Acrylonitrile	4.99	53	594600	253.90	ug/l	99
16) Acetone	3.82	43	559554	328.76	ug/l	99
17) Carbon Disulfide	4.05	76	942460	41.64	ug/l	100
18) Methyl Acetate	4.33	43	370878	54.28	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	869411	51.20	ug/l	100
20) Methylene Chloride	4.55	84	371521	45.55	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	341745	46.80	ug/l	100
22) Diisopropyl ether	5.96	45	1062508	50.68	ug/l	97
23) Vinyl Acetate	5.90	43	3304039	244.72	ug/l	99
24) 1,1-Dichloroethane	5.85	63	633830	47.09	ug/l	99
25) 2-Butanone	6.84	43	744083	255.15	ug/l	100
26) 2,2-Dichloropropane	6.83	77	514259	47.55	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	383689	48.74	ug/l	100
28) Bromochloromethane	7.20	49	270648	47.32	ug/l	99
29) Tetrahydrofuran	7.21	42	437549	261.69	ug/l	99
30) Chloroform	7.37	83	639855	48.01	ug/l	98
31) Cyclohexane	7.65	56	564934	46.22	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	542751	47.41	ug/l	99
36) 1,1-Dichloropropene	7.80	75	489683	50.38	ug/l	99
37) Ethyl Acetate	6.93	43	285870	51.20	ug/l	99
38) Carbon Tetrachloride	7.77	117	488103	49.68	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	546255	51.95	ug/l	99
40) Benzene	8.04	78	1472719	50.25	ug/l	99
41) Methacrylonitrile	7.18	41	163532	54.13	ug/l	93
42) 1,2-Dichloroethane	8.13	62	439178	50.12	ug/l	99
43) Isopropyl Acetate	8.17	43	497593	51.84	ug/l #	88
44) Trichloroethene	8.84	130	388110	50.21	ug/l	99
45) 1,2-Dichloropropane	9.12	63	386373	50.16	ug/l	99
46) Dibromomethane	9.21	93	227618	50.29	ug/l	98
47) Bromodichloromethane	9.40	83	489416	51.63	ug/l	100
48) Methyl methacrylate	9.20	41	259885	53.12	ug/l	99
49) 1,4-Dioxane	9.20	88	75390	1130.47	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1469298	256.50	ug/l	99
52) Toluene	10.16	92	915437	52.73	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	491659	52.11	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	571406	52.89	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	332202	51.55	ug/l	99
56) Ethyl methacrylate	10.43	69	403048	48.17	ug/l	99
57) 1,3-Dichloropropane	10.71	76	551501	51.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	859640	235.75	ug/l	99
59) 2-Hexanone	10.75	43	1064093	279.04	ug/l	100
60) Dibromochloromethane	10.90	129	376837	52.23	ug/l	98
61) 1,2-Dibromoethane	11.01	107	324643	52.10	ug/l	100
64) Tetrachloroethene	10.63	164	355869	48.93	ug/l	99
65) Chlorobenzene	11.43	112	1002975	50.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	370733	50.62	ug/l	99
67) Ethyl Benzene	11.51	91	1708330	52.50	ug/l	100
68) m/p-Xylenes	11.62	106	1345286	108.92	ug/l	100
69) o-Xylene	11.95	106	633747	53.37	ug/l	100
70) Styrene	11.96	104	1037364	49.58	ug/l	100
71) Bromoform	12.13	173	270851	53.78	ug/l #	100
73) Isopropylbenzene	12.25	105	1710165	50.49	ug/l	100
74) N-amyl acetate	12.07	43	422501	49.64	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	420123	52.09	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	334074m	46.63	ug/l	
77) Bromobenzene	12.53	156	438268	47.61	ug/l	99
78) n-propylbenzene	12.59	91	1969468	52.05	ug/l	99
79) 2-Chlorotoluene	12.68	91	1158158	49.14	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1431655	52.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107352	50.65	ug/l	99
82) 4-Chlorotoluene	12.77	91	1191414	51.20	ug/l	99
83) tert-Butylbenzene	12.99	119	1209080	51.08	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1444659	52.55	ug/l	99
85) sec-Butylbenzene	13.17	105	1634493	52.70	ug/l	100
86) p-Isopropyltoluene	13.29	119	1450119	54.87	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	780163	49.94	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	754138	49.05	ug/l	100
89) n-Butylbenzene	13.62	91	1160479	54.90	ug/l	99
90) Hexachloroethane	13.87	117	257549	51.13	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	751062	49.83	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60164	49.46	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	357842	46.00	ug/l	98
94) Hexachlorobutadiene	15.01	225	243649	54.64	ug/l	99
95) Naphthalene	15.13	128	675351	42.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	351145	47.92	ug/l	99

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

