

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053644.D
 Acq On : 6 Feb 2019 19:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/7/2019 11:04:34 AM

Quant Time: Feb 07 06:10:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	674205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1095219	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	963393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	467236	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	376979	55.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.48%	
35) Dibromofluoromethane	7.59	113	359346	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.09	98	1325507	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	444388	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	363846	47.884	ug/l	99
3) Chloromethane	2.06	50	408074	50.983	ug/l	98
4) Vinyl Chloride	2.19	62	394082	50.719	ug/l	100
5) Bromomethane	2.57	94	256874	50.562	ug/l	96
6) Chloroethane	2.71	64	225626	50.815	ug/l	99
7) Trichlorofluoromethane	3.02	101	526921	50.008	ug/l	98
8) Diethyl Ether	3.41	74	201078	52.255	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	320231	49.142	ug/l	98
10) Methyl Iodide	3.96	142	522666	51.102	ug/l	100
11) Tert butyl alcohol	4.78	59	114843	286.903	ug/l	98
12) 1,1-Dichloroethene	3.74	96	318375	50.995	ug/l	99
13) Acrolein	3.61	56	79052	362.727	ug/l	99
14) Allyl chloride	4.33	41	483721	48.661	ug/l	95
15) Acrylonitrile	4.99	53	605833	280.356	ug/l	100
16) Acetone	3.82	43	415645	239.582	ug/l	100
17) Carbon Disulfide	4.06	76	901672	46.382	ug/l	100
18) Methyl Acetate	4.32	43	286439	55.750	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	872655	55.137	ug/l	99
20) Methylene Chloride	4.55	84	365941	50.277	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	336282	49.926	ug/l	97
22) Diisopropyl ether	5.95	45	997382	54.149	ug/l	99
23) Vinyl Acetate	5.90	43	3543572	278.098	ug/l	99
24) 1,1-Dichloroethane	5.85	63	633437	51.560	ug/l	99
25) 2-Butanone	6.83	43	659284	266.451	ug/l	99
26) 2,2-Dichloropropane	6.83	77	457766	48.811	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	387308	51.711	ug/l	99
28) Bromochloromethane	7.20	49	274582	51.503	ug/l	96
29) Tetrahydrofuran	7.21	42	441755	278.038	ug/l	98
30) Chloroform	7.37	83	623863	51.226	ug/l	99
31) Cyclohexane	7.65	56	555041	48.520	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	529013	52.196	ug/l	99
36) 1,1-Dichloropropene	7.79	75	473405	47.951	ug/l	99
37) Ethyl Acetate	6.93	43	296224	53.723	ug/l	99
38) Carbon Tetrachloride	7.77	117	459544	46.205	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	554018	47.300	ug/l	99
40) Benzene	8.04	78	1459469	47.938	ug/l	98
41) Methacrylonitrile	7.18	41	156919	50.919	ug/l	93
42) 1,2-Dichloroethane	8.12	62	431524	47.736	ug/l	99
43) Isopropyl Acetate	8.16	43	530178	49.788	ug/l	98
44) Trichloroethene	8.84	130	402097	46.391	ug/l	98
45) 1,2-Dichloropropane	9.12	63	383142	49.203	ug/l	98
46) Dibromomethane	9.21	93	226953	48.348	ug/l	98
47) Bromodichloromethane	9.40	83	479447	49.124	ug/l	99
48) Methyl methacrylate	9.20	41	250823	49.345	ug/l	94
49) 1,4-Dioxane	9.20	88	75149	1019.515	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	1367639	261.361	ug/l	99
52) Toluene	10.16	92	878056	48.595	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	492533	50.396	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	568578	49.095	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	328435	50.443	ug/l	99
56) Ethyl methacrylate	10.43	69	406246	52.742	ug/l	99
57) 1,3-Dichloropropane	10.71	76	546129	49.079	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1051936	221.168	ug/l	99
59) 2-Hexanone	10.75	43	885820	249.360	ug/l	99
60) Dibromochloromethane	10.90	129	370730	50.493	ug/l	99
61) 1,2-Dibromoethane	11.01	107	315216	48.914	ug/l	99
64) Tetrachloroethene	10.63	164	379003	45.893	ug/l	99
65) Chlorobenzene	11.44	112	977698	47.778	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	357426	50.013	ug/l	99
67) Ethyl Benzene	11.51	91	1618510	48.148	ug/l	99
68) m/p-Xylenes	11.62	106	1259224	98.149	ug/l	100
69) o-Xylene	11.95	106	619775	50.003	ug/l	98
70) Styrene	11.96	104	1006893	50.120	ug/l	99
71) Bromoform	12.13	173	257815	52.620	ug/l #	99
73) Isopropylbenzene	12.25	105	1593750	48.522	ug/l	100
74) N-amyl acetate	12.07	43	422482	53.490	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	385611	49.054	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	320414m	53.390	ug/l	
77) Bromobenzene	12.53	156	427151	48.253	ug/l	98
78) n-propylbenzene	12.59	91	1846470	48.629	ug/l	100
79) 2-Chlorotoluene	12.68	91	1094665	48.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1378375	50.606	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107335	50.292	ug/l	99
82) 4-Chlorotoluene	12.77	91	1103818	47.751	ug/l	100
83) tert-Butylbenzene	12.99	119	1212084	50.350	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1408035	50.740	ug/l	100
85) sec-Butylbenzene	13.17	105	1629041	49.728	ug/l	99
86) p-Isopropyltoluene	13.29	119	1430504	49.930	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	752739	47.303	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	745733	47.374	ug/l	99
89) n-Butylbenzene	13.62	91	1217128	49.080	ug/l	100
90) Hexachloroethane	13.88	117	238512	50.470	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	738776	48.494	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57026	50.902	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	429972	49.210	ug/l	99
94) Hexachlorobutadiene	15.01	225	254630	46.795	ug/l	99
95) Naphthalene	15.13	128	953064	46.558	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	399666	49.297	ug/l	99

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

