

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021219\
 Data File : VN053744.D
 Acq On : 12 Feb 2019 21:22
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/13/2019 12:15:52 PM

Quant Time: Feb 13 06:11:05 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	604215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	996025	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	870060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415860	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	331908	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
35) Dibromofluoromethane	7.59	113	315138	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.09	98	1151910	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.40	95	417247	52.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	307902	45.234	ug/l	100
3) Chloromethane	2.06	50	362130	50.483	ug/l	100
4) Vinyl Chloride	2.19	62	374378	53.764	ug/l	99
5) Bromomethane	2.57	94	240820	52.893	ug/l	96
6) Chloroethane	2.71	64	224340	56.378	ug/l	98
7) Trichlorofluoromethane	3.02	101	505869	53.572	ug/l	98
8) Diethyl Ether	3.41	74	186428	54.059	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	278792	47.739	ug/l	97
10) Methyl Iodide	3.96	142	457369	49.897	ug/l	100
11) Tert butyl alcohol	4.78	59	112532	313.695	ug/l	98
12) 1,1-Dichloroethene	3.74	96	288093	51.489	ug/l	97
13) Acrolein	3.61	56	63263	323.905	ug/l	99
14) Allyl chloride	4.33	41	435825	48.921	ug/l	95
15) Acrylonitrile	4.99	53	585238	302.197	ug/l	99
16) Acetone	3.82	43	376155	241.935	ug/l	97
17) Carbon Disulfide	4.06	76	772665	44.349	ug/l	100
18) Methyl Acetate	4.33	43	293382	63.716	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	832117	58.666	ug/l	99
20) Methylene Chloride	4.55	84	339212	52.003	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	306097	50.708	ug/l	97
22) Diisopropyl ether	5.95	45	924839	56.026	ug/l	95
23) Vinyl Acetate	5.90	43	3246044	284.257	ug/l	98
24) 1,1-Dichloroethane	5.85	63	589484	53.540	ug/l	100
25) 2-Butanone	6.83	43	626710	282.626	ug/l	100
26) 2,2-Dichloropropane	6.82	77	372153	44.279	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	360963	53.776	ug/l	96
28) Bromochloromethane	7.20	49	260082	54.434	ug/l	96
29) Tetrahydrofuran	7.21	42	425757	299.009	ug/l	97
30) Chloroform	7.37	83	583208	53.435	ug/l	100
31) Cyclohexane	7.65	56	485687	47.371	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	489188	53.858	ug/l	99
36) 1,1-Dichloropropene	7.80	75	420077	46.787	ug/l	99
37) Ethyl Acetate	6.93	43	282856	56.407	ug/l	99
38) Carbon Tetrachloride	7.78	117	423863	46.862	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	457265	42.927	ug/l	99
40) Benzene	8.04	78	1335396	48.231	ug/l	99
41) Methacrylonitrile	7.17	41	159902	57.054	ug/l	95
42) 1,2-Dichloroethane	8.12	62	399795	48.631	ug/l	99
43) Isopropyl Acetate	8.17	43	509470	52.608	ug/l	98
44) Trichloroethene	8.84	130	372439	47.249	ug/l	97
45) 1,2-Dichloropropane	9.12	63	354799	50.101	ug/l	99
46) Dibromomethane	9.21	93	213453	50.001	ug/l	97
47) Bromodichloromethane	9.40	83	449540	50.646	ug/l	98
48) Methyl methacrylate	9.20	41	251532	54.413	ug/l	99
49) 1,4-Dioxane	9.20	88	70082	1044.465	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1349593	283.598	ug/l	100
52) Toluene	10.16	92	803860	48.919	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	445025	50.070	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	513263	48.733	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	308810	52.153	ug/l	99
56) Ethyl methacrylate	10.43	69	390215	55.706	ug/l	98
57) 1,3-Dichloropropane	10.71	76	514887	50.879	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	886730	205.586	ug/l	98
59) 2-Hexanone	10.75	43	862424	266.952	ug/l	99
60) Dibromochloromethane	10.90	129	349991	52.415	ug/l	100
61) 1,2-Dibromoethane	11.01	107	297323	50.732	ug/l	99
64) Tetrachloroethene	10.63	164	349781	46.898	ug/l	99
65) Chlorobenzene	11.43	112	893167	48.329	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	333181	51.621	ug/l	100
67) Ethyl Benzene	11.51	91	1477688	48.674	ug/l	100
68) m/p-Xylenes	11.62	106	1151425	99.374	ug/l	98
69) o-Xylene	11.95	106	572044	51.103	ug/l	99
70) Styrene	11.96	104	939199	51.766	ug/l	100
71) Bromoform	12.13	173	249404	56.364	ug/l #	100
73) Isopropylbenzene	12.25	105	1508282	51.593	ug/l	99
74) N-amyl acetate	12.07	43	403198	57.355	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	391200	55.913	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	320939m	60.084	ug/l	
77) Bromobenzene	12.53	156	415586	52.747	ug/l	99
78) n-propylbenzene	12.59	91	1741796	51.540	ug/l	100
79) 2-Chlorotoluene	12.67	91	1023954	51.070	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1285484	53.026	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	99288	52.268	ug/l	99
82) 4-Chlorotoluene	12.77	91	1028482	49.989	ug/l	100
83) tert-Butylbenzene	12.99	119	1110278	51.819	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1270527	51.441	ug/l	99
85) sec-Butylbenzene	13.17	105	1471708	50.476	ug/l	99
86) p-Isopropyltoluene	13.29	119	1298606	50.926	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	685885	48.426	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	670596	47.864	ug/l	99
89) n-Butylbenzene	13.62	91	1063571	48.187	ug/l	99
90) Hexachloroethane	13.88	117	219982	52.300	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	686018	50.594	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55582	55.742	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	382978	49.247	ug/l	99
94) Hexachlorobutadiene	15.01	225	232169	47.939	ug/l	99
95) Naphthalene	15.13	128	838195	46.026	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	372158	51.575	ug/l	99

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

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