

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054225.D
 Acq On : 13 Mar 2019 20:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 10:27:56 AM

Quant Time: Mar 14 08:09:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1367080	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2158692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1936270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	972789	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	768234	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	7.59	113	711761	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.09	98	2583630	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	934000	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	676105	52.183	ug/l	98
3) Chloromethane	2.06	50	597584	47.482	ug/l	100
4) Vinyl Chloride	2.19	62	712807	49.553	ug/l	99
5) Bromomethane	2.57	94	362753	36.411	ug/l	97
6) Chloroethane	2.71	64	415117	47.695	ug/l	99
7) Trichlorofluoromethane	3.02	101	932781	48.772	ug/l	99
8) Diethyl Ether	3.41	74	462276	53.041	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	757615	52.863	ug/l	99
10) Methyl Iodide	3.94	142	652589	32.601	ug/l	99
11) Tert butyl alcohol	4.81	59	259056	260.279	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	748090	52.673	ug/l	99
13) Acrolein	3.61	56	216089	229.118	ug/l	99
14) Allyl chloride	4.32	41	922874	50.645	ug/l	99
15) Acrylonitrile	4.99	53	1108690	271.179	ug/l	99
16) Acetone	3.82	43	859862	206.849	ug/l	100
17) Carbon Disulfide	4.04	76	1698194	47.698	ug/l	99
18) Methyl Acetate	4.33	43	490851	58.363	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1894213	53.807	ug/l	100
20) Methylene Chloride	4.55	84	699999	51.284	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	719442	52.870	ug/l	99
22) Diisopropyl ether	5.96	45	1943210	53.431	ug/l	98
23) Vinyl Acetate	5.90	43	7294071	272.018	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1220892	52.283	ug/l	99
25) 2-Butanone	6.85	43	1287369	263.859	ug/l	100
26) 2,2-Dichloropropane	6.82	77	922548	44.925	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	823254	54.229	ug/l	98
28) Bromochloromethane	7.19	49	506916	53.100	ug/l	96
29) Tetrahydrofuran	7.22	42	855183	272.611	ug/l	100
30) Chloroform	7.37	83	1304779	53.547	ug/l	100
31) Cyclohexane	7.65	56	1111269	50.924	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1153269	52.405	ug/l	99
36) 1,1-Dichloropropene	7.79	75	989082	49.753	ug/l	99
37) Ethyl Acetate	6.94	43	587345	51.419	ug/l	99
38) Carbon Tetrachloride	7.77	117	1006162	48.263	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1191244	48.703	ug/l	99
40) Benzene	8.04	78	2890915	50.818	ug/l	99
41) Methacrylonitrile	7.18	41	318118	48.776	ug/l	96
42) 1,2-Dichloroethane	8.12	62	968633	50.433	ug/l	100
43) Isopropyl Acetate	8.17	43	1019447	50.845	ug/l	99
44) Trichloroethene	8.84	130	887947	50.246	ug/l	98
45) 1,2-Dichloropropane	9.12	63	728737	51.589	ug/l	98
46) Dibromomethane	9.21	93	483695	50.679	ug/l	100
47) Bromodichloromethane	9.40	83	979655	51.201	ug/l	98
48) Methyl methacrylate	9.20	41	541708	53.239	ug/l	100
49) 1,4-Dioxane	9.20	88	153642	1067.522	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2868620	270.356	ug/l	100
52) Toluene	10.16	92	1833571	50.833	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	981273	45.044	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1119178	50.195	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	677647	51.451	ug/l	99
56) Ethyl methacrylate	10.43	69	847693	53.978	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1110978	51.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1616591	238.128	ug/l	100
59) 2-Hexanone	10.75	43	1844862	261.304	ug/l	100
60) Dibromochloromethane	10.90	129	755719	50.978	ug/l	100
61) 1,2-Dibromoethane	11.01	107	703282	52.545	ug/l	99
64) Tetrachloroethene	10.63	164	863989	46.151	ug/l	99
65) Chlorobenzene	11.43	112	2153335	50.648	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	774766	50.164	ug/l	99
67) Ethyl Benzene	11.51	91	3525292	50.021	ug/l	100
68) m/p-Xylenes	11.62	106	2778809	100.881	ug/l	99
69) o-Xylene	11.95	106	1359572	50.632	ug/l	98
70) Styrene	11.96	104	2169408	51.514	ug/l	99
71) Bromoform	12.13	173	515597	44.085	ug/l	100
73) Isopropylbenzene	12.25	105	3560374	45.746	ug/l	100
74) N-amyl acetate	12.07	43	856610	49.585	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	805833	48.597	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	619906m	43.334	ug/l	
77) Bromobenzene	12.53	156	994937	48.310	ug/l	97
78) n-propylbenzene	12.59	91	3966934	46.974	ug/l	99
79) 2-Chlorotoluene	12.68	91	2353092	46.342	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2978695	46.012	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	177293	42.367	ug/l	95
82) 4-Chlorotoluene	12.77	91	2407327	47.479	ug/l	99
83) tert-Butylbenzene	12.99	119	2723330	45.703	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	3029308	47.698	ug/l	100
85) sec-Butylbenzene	13.17	105	3538921	45.796	ug/l	100
86) p-Isopropyltoluene	13.29	119	3145274	46.394	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1690832	48.723	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1665761	48.862	ug/l	100
89) n-Butylbenzene	13.62	91	2521403	48.949	ug/l	100
90) Hexachloroethane	13.88	117	498319	44.391	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1664770	49.072	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	123158	47.997	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	948537	46.497	ug/l	100
94) Hexachlorobutadiene	15.01	225	562269	43.512	ug/l	100
95) Naphthalene	15.13	128	1976277	46.574	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	943670	52.353	ug/l	99

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

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