

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054177.D
 Acq On : 12 Mar 2019 21:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:41:38 AM

Quant Time: Mar 13 08:11:53 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	1522442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2303494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2038443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	999184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	817867	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
35) Dibromofluoromethane	7.59	113	749014	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.09	98	2740947	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	976844	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	744544	51.601	ug/l	99
3) Chloromethane	2.06	50	676413	48.261	ug/l	100
4) Vinyl Chloride	2.19	62	780473	48.720	ug/l	100
5) Bromomethane	2.57	94	527336	47.529	ug/l	97
6) Chloroethane	2.71	64	454452	46.886	ug/l	99
7) Trichlorofluoromethane	3.02	101	999675	46.936	ug/l	97
8) Diethyl Ether	3.41	74	507933	52.333	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	818931	51.310	ug/l	100
10) Methyl Iodide	3.94	142	1075066	47.508	ug/l	99
11) Tert butyl alcohol	4.82	59	295839	266.903	ug/l	100
12) 1,1-Dichloroethene	3.73	96	806002	50.960	ug/l	99
13) Acrolein	3.61	56	246060	234.272	ug/l	99
14) Allyl chloride	4.32	41	1044594	51.475	ug/l	100
15) Acrylonitrile	4.99	53	1229762	270.098	ug/l	100
16) Acetone	3.82	43	959734	207.314	ug/l	98
17) Carbon Disulfide	4.04	76	2007827	50.639	ug/l	99
18) Methyl Acetate	4.33	43	530717	56.664	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2087501	53.247	ug/l	99
20) Methylene Chloride	4.55	84	771078	50.726	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	769941	50.807	ug/l	98
22) Diisopropyl ether	5.96	45	2138037	52.789	ug/l	98
23) Vinyl Acetate	5.90	43	8068755	270.202	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1340581	51.550	ug/l	99
25) 2-Butanone	6.84	43	1435436	264.184	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1081357	47.285	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	889769	52.629	ug/l	99
28) Bromochloromethane	7.19	49	538901	50.690	ug/l	98
29) Tetrahydrofuran	7.22	42	943178	269.979	ug/l	99
30) Chloroform	7.37	83	1411611	52.019	ug/l	99
31) Cyclohexane	7.65	56	1220322	50.198	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1265318	51.629	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1084731	51.135	ug/l	99
37) Ethyl Acetate	6.94	43	655143	53.749	ug/l	99
38) Carbon Tetrachloride	7.77	117	1124426	50.545	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1303066	49.925	ug/l	100
40) Benzene	8.04	78	3126098	51.498	ug/l	99
41) Methacrylonitrile	7.17	41	340834	48.974	ug/l	94
42) 1,2-Dichloroethane	8.12	62	1059687	51.706	ug/l	100
43) Isopropyl Acetate	8.17	43	1142269	53.390	ug/l	99
44) Trichloroethene	8.83	130	956318	50.713	ug/l	99
45) 1,2-Dichloropropane	9.12	63	779080	51.686	ug/l	100
46) Dibromomethane	9.21	93	529973	52.038	ug/l	99
47) Bromodichloromethane	9.40	83	1079293	52.862	ug/l	98
48) Methyl methacrylate	9.20	41	576993	53.142	ug/l	96
49) 1,4-Dioxane	9.20	88	164091	1068.453	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	3167928	279.796	ug/l	100
52) Toluene	10.16	92	2000713	51.980	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1106994	47.507	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1231759	51.771	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	743766	52.921	ug/l	99
56) Ethyl methacrylate	10.43	69	920001	54.900	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1206776	52.513	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1719508	237.419	ug/l	100
59) 2-Hexanone	10.75	43	2036167	270.271	ug/l	100
60) Dibromochloromethane	10.90	129	849480	53.700	ug/l	100
61) 1,2-Dibromoethane	11.01	107	757714	53.053	ug/l	99
64) Tetrachloroethene	10.63	164	984588	49.957	ug/l	99
65) Chlorobenzene	11.43	112	2305568	51.511	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	862246	53.030	ug/l	100
67) Ethyl Benzene	11.51	91	3791659	51.104	ug/l	99
68) m/p-Xylenes	11.62	106	3003647	103.578	ug/l	99
69) o-Xylene	11.95	106	1467745	51.920	ug/l	99
70) Styrene	11.96	104	2354071	53.097	ug/l	100
71) Bromoform	12.13	173	593607	47.992	ug/l #	100
73) Isopropylbenzene	12.25	105	3902333	48.815	ug/l	99
74) N-amyl acetate	12.07	43	946452	53.339	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	866233	50.860	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	794000m	54.038	ug/l	
77) Bromobenzene	12.53	156	1042004	49.259	ug/l	100
78) n-propylbenzene	12.59	91	4318621	49.787	ug/l	100
79) 2-Chlorotoluene	12.67	91	2564595	49.173	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3251494	48.899	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	220076	51.201	ug/l	98
82) 4-Chlorotoluene	12.77	91	2597798	49.883	ug/l	99
83) tert-Butylbenzene	12.99	119	2977445	48.648	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3291469	50.456	ug/l	100
85) sec-Butylbenzene	13.17	105	3917345	49.354	ug/l	100
86) p-Isopropyltoluene	13.29	119	3478516	49.954	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1832566	51.412	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1797446	51.332	ug/l	100
89) n-Butylbenzene	13.62	91	2806161	53.038	ug/l	100
90) Hexachloroethane	13.87	117	574489	49.824	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1784384	51.208	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	137218	52.064	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	1034580	49.220	ug/l	99
94) Hexachlorobutadiene	15.01	225	632660	47.666	ug/l	99
95) Naphthalene	15.13	128	2074753	47.527	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1018365	55.004	ug/l	100

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

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