

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031219\
 Data File : VN054201.D
 Acq On : 13 Mar 2019 8:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/13/2019 11:40:51 AM

Quant Time: Mar 13 09:17:13 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	1488442	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2301335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2075184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1011508	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	812045	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.59	113	745565	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.09	98	2727651	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	964599	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	715213	50.700	ug/l	98
3) Chloromethane	2.06	50	660187	48.179	ug/l	100
4) Vinyl Chloride	2.19	62	787711	50.295	ug/l	99
5) Bromomethane	2.57	94	498669	45.972	ug/l	100
6) Chloroethane	2.71	64	460330	48.578	ug/l	98
7) Trichlorofluoromethane	3.02	101	1000509	48.048	ug/l	98
8) Diethyl Ether	3.41	74	519436	54.740	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	788037	50.502	ug/l	99
10) Methyl Iodide	3.94	142	1053707	47.624	ug/l	99
11) Tert butyl alcohol	4.81	59	261356	241.179	ug/l	98
12) 1,1-Dichloroethene	3.73	96	817789	52.886	ug/l	99
13) Acrolein	3.61	56	271498	264.396	ug/l	99
14) Allyl chloride	4.32	41	980809	49.436	ug/l	99
15) Acrylonitrile	4.99	53	1247520	280.257	ug/l	99
16) Acetone	3.82	43	929067	205.274	ug/l	100
17) Carbon Disulfide	4.04	76	1953053	50.383	ug/l	99
18) Methyl Acetate	4.33	43	540185	58.992	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	2084601	54.387	ug/l	99
20) Methylene Chloride	4.55	84	774658	52.126	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	774602	52.282	ug/l	98
22) Diisopropyl ether	5.96	45	2132413	53.853	ug/l	99
23) Vinyl Acetate	5.90	43	8071485	276.467	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1345184	52.909	ug/l	99
25) 2-Butanone	6.84	43	1429534	269.108	ug/l	100
26) 2,2-Dichloropropane	6.82	77	739010	33.053	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	885451	53.570	ug/l	96
28) Bromochloromethane	7.19	49	532013	51.185	ug/l	97
29) Tetrahydrofuran	7.22	42	950553	278.306	ug/l	100
30) Chloroform	7.37	83	1417593	53.433	ug/l	99
31) Cyclohexane	7.65	56	1197186	50.375	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1267253	52.890	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1068965	50.439	ug/l	99
37) Ethyl Acetate	6.94	43	653832	53.692	ug/l	99
38) Carbon Tetrachloride	7.77	117	1101341	49.554	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1262720	48.425	ug/l	98
40) Benzene	8.04	78	3140856	51.789	ug/l	100
41) Methacrylonitrile	7.18	41	369131	53.090	ug/l	99
42) 1,2-Dichloroethane	8.12	62	1066005	52.063	ug/l	100
43) Isopropyl Acetate	8.17	43	1178379	55.129	ug/l	98
44) Trichloroethene	8.83	130	970407	51.508	ug/l	100
45) 1,2-Dichloropropane	9.12	63	788234	52.342	ug/l	100
46) Dibromomethane	9.21	93	534696	52.551	ug/l	100
47) Bromodichloromethane	9.40	83	1075978	52.749	ug/l	98
48) Methyl methacrylate	9.20	41	608887	56.132	ug/l	98
49) 1,4-Dioxane	9.20	88	134116	874.095	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3252599	287.544	ug/l	100
52) Toluene	10.16	92	2007596	52.208	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1051462	45.264	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1186490	49.916	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	749053	53.347	ug/l	99
56) Ethyl methacrylate	10.43	69	950369	56.765	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1225262	53.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1766355	243.642	ug/l	100
59) 2-Hexanone	10.75	43	2086523	277.215	ug/l	100
60) Dibromochloromethane	10.90	129	848351	53.679	ug/l	100
61) 1,2-Dibromoethane	11.01	107	780783	54.720	ug/l	99
64) Tetrachloroethene	10.63	164	991239	49.404	ug/l	99
65) Chlorobenzene	11.43	112	2306669	50.623	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	853816	51.582	ug/l	99
67) Ethyl Benzene	11.51	91	3781289	50.062	ug/l	99
68) m/p-Xylenes	11.62	106	2984307	101.089	ug/l	100
69) o-Xylene	11.95	106	1453596	50.510	ug/l	100
70) Styrene	11.96	104	2343376	51.920	ug/l	100
71) Bromoform	12.13	173	585154	46.545	ug/l #	100
73) Isopropylbenzene	12.25	105	3839764	47.447	ug/l	100
74) N-amyl acetate	12.07	43	979991	54.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	874601	50.725	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	785307m	52.795	ug/l	
77) Bromobenzene	12.53	156	1046813	48.883	ug/l	99
78) n-propylbenzene	12.59	91	4258874	48.500	ug/l	100
79) 2-Chlorotoluene	12.67	91	2533731	47.989	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3186090	47.332	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	191322	43.969	ug/l	96
82) 4-Chlorotoluene	12.77	91	2564376	48.641	ug/l	100
83) tert-Butylbenzene	12.99	119	2908856	46.948	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	3211680	48.633	ug/l	100
85) sec-Butylbenzene	13.17	105	3803061	47.330	ug/l	100
86) p-Isopropyltoluene	13.29	119	3357389	47.627	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1798313	49.837	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1765450	49.804	ug/l	99
89) n-Butylbenzene	13.62	91	2694758	50.312	ug/l	100
90) Hexachloroethane	13.88	117	548419	46.984	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1754796	49.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	135877	50.927	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1030419	48.465	ug/l	99
94) Hexachlorobutadiene	15.01	225	595948	44.353	ug/l	100
95) Naphthalene	15.13	128	2149782	48.564	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1020380	54.442	ug/l	99

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

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