

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054119.D
 Acq On : 6 Mar 2019 16:20
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:39:22 AM

Quant Time: Mar 07 06:52:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	728635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1118264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	959814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	440687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	414433	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
35) Dibromofluoromethane	7.59	113	366424	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.09	98	1368396	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	449159	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	308606	44.069	ug/l	100
3) Chloromethane	2.05	50	423341	48.249	ug/l	99
4) Vinyl Chloride	2.18	62	421288	44.403	ug/l	100
5) Bromomethane	2.56	94	243248	48.873	ug/l	100
6) Chloroethane	2.70	64	246158	42.804	ug/l	100
7) Trichlorofluoromethane	3.01	101	530007	45.724	ug/l	99
8) Diethyl Ether	3.41	74	218687	47.347	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	345400	45.803	ug/l	98
10) Methyl Iodide	3.95	142	402620	46.200	ug/l	100
11) Tert butyl alcohol	4.79	59	140224	263.396	ug/l	98
12) 1,1-Dichloroethene	3.73	96	317848	45.182	ug/l	98
13) Acrolein	3.61	56	69331	146.491	ug/l	100
14) Allyl chloride	4.32	41	605484	47.767	ug/l	99
15) Acrylonitrile	4.98	53	723752	240.855	ug/l	99
16) Acetone	3.82	43	694205	257.576	ug/l	99
17) Carbon Disulfide	4.05	76	964310	47.465	ug/l	100
18) Methyl Acetate	4.32	43	323451	51.048	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	973166	49.291	ug/l	98
20) Methylene Chloride	4.55	84	368326	48.188	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	349419	45.245	ug/l	99
22) Diisopropyl ether	5.95	45	1221834	49.472	ug/l	99
23) Vinyl Acetate	5.89	43	4447135	253.492	ug/l	99
24) 1,1-Dichloroethane	5.85	63	681961	46.152	ug/l	100
25) 2-Butanone	6.83	43	923240	257.465	ug/l	100
26) 2,2-Dichloropropane	6.82	77	505147	47.430	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	397235	46.127	ug/l	99
28) Bromochloromethane	7.19	49	339233	45.996	ug/l	100
29) Tetrahydrofuran	7.21	42	589150	250.663	ug/l	99
30) Chloroform	7.37	83	648324	45.791	ug/l	100
31) Cyclohexane	7.65	56	653529	49.764	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	539969	46.000	ug/l	99
36) 1,1-Dichloropropene	7.79	75	517195	49.274	ug/l	98
37) Ethyl Acetate	6.93	43	382771	50.680	ug/l	99
38) Carbon Tetrachloride	7.77	117	478825	47.786	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	624769	51.576	ug/l	99
40) Benzene	8.04	78	1524566	49.095	ug/l	99
41) Methacrylonitrile	7.17	41	188291	47.834	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	473062	48.091	ug/l	99
43) Isopropyl Acetate	8.16	43	642178	51.187	ug/l	99
44) Trichloroethene	8.83	130	391440	47.010	ug/l	96
45) 1,2-Dichloropropane	9.12	63	413432	48.267	ug/l	100
46) Dibromomethane	9.21	93	236449	48.358	ug/l	99
47) Bromodichloromethane	9.40	83	500379	48.888	ug/l	99
48) Methyl methacrylate	9.20	41	312655	54.134	ug/l	98
49) 1,4-Dioxane	9.20	88	75162	905.265	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1809100	269.978	ug/l	100
52) Toluene	10.16	92	909103	49.414	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	522013	51.708	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	603539	50.583	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	340395	49.134	ug/l	99
56) Ethyl methacrylate	10.43	69	445401	54.766	ug/l	99
57) 1,3-Dichloropropane	10.71	76	590819	49.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1039406	279.222	ug/l	100
59) 2-Hexanone	10.75	43	1196140	270.580	ug/l	100
60) Dibromochloromethane	10.90	129	373089	50.365	ug/l	99
61) 1,2-Dibromoethane	11.00	107	325714	49.410	ug/l	98
64) Tetrachloroethene	10.63	164	378127	48.004	ug/l	99
65) Chlorobenzene	11.43	112	962347	48.180	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	354678	49.605	ug/l	100
67) Ethyl Benzene	11.51	91	1675039	50.115	ug/l	100
68) m/p-Xylenes	11.62	106	1274948	101.079	ug/l	99
69) o-Xylene	11.95	106	618439	50.952	ug/l	99
70) Styrene	11.96	104	988798	51.321	ug/l	99
71) Bromoform	12.13	173	255011	51.822	ug/l #	99
73) Isopropylbenzene	12.25	105	1632093	46.545	ug/l	100
74) N-amyl acetate	12.07	43	482213	51.925	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	415542	51.444	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	339986m	45.270	ug/l	
77) Bromobenzene	12.53	156	396137	48.970	ug/l	97
78) n-propylbenzene	12.59	91	1936027	49.067	ug/l	100
79) 2-Chlorotoluene	12.67	91	1128603	47.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1400832	49.145	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113216	51.769	ug/l	99
82) 4-Chlorotoluene	12.77	91	1130256	47.313	ug/l	100
83) tert-Butylbenzene	12.99	119	1219799	48.322	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1415633	50.038	ug/l	100
85) sec-Butylbenzene	13.17	105	1665346	48.614	ug/l	100
86) p-Isopropyltoluene	13.29	119	1443143	50.112	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	720979	46.984	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	706801	46.411	ug/l	100
89) n-Butylbenzene	13.62	91	1269839	52.224	ug/l	100
90) Hexachloroethane	13.87	117	252715	45.752	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	703480	50.919	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64806	50.654	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	396718	54.404	ug/l	99
94) Hexachlorobutadiene	15.01	225	260877	58.079	ug/l	100
95) Naphthalene	15.13	128	814587	49.223	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	386634	52.693	ug/l	99

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

