

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020619\
 Data File : VN053624.D
 Acq On : 6 Feb 2019 9:58
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/7/2019 11:04:10 AM

Quant Time: Feb 07 03:50:41 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	7.66	168	692155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1013249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	886057	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	442840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	391049	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	
35) Dibromofluoromethane	7.59	113	376938	58.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.74%	
50) Toluene-d8	10.09	98	1406445	58.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.00%	
62) 4-Bromofluorobenzene	12.40	95	474175	59.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.28%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	353904	45.385	ug/l	100
3) Chloromethane	2.06	50	360160	43.830	ug/l	100
4) Vinyl Chloride	2.19	62	356288	44.665	ug/l	99
5) Bromomethane	2.57	94	233556	44.780	ug/l	97
6) Chloroethane	2.71	64	203760	44.700	ug/l	97
7) Trichlorofluoromethane	3.02	101	492082	45.491	ug/l	99
8) Diethyl Ether	3.41	74	175492	44.423	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	311970	46.633	ug/l	98
10) Methyl Iodide	3.95	142	460896	43.894	ug/l	99
11) Tert butyl alcohol	4.78	59	87928	213.967	ug/l	99
12) 1,1-Dichloroethene	3.74	96	292327	45.608	ug/l	97
13) Acrolein	3.61	56	71687	320.402	ug/l	100
14) Allyl chloride	4.33	41	463171	45.385	ug/l	99
15) Acrylonitrile	4.99	53	506642	228.374	ug/l	99
16) Acetone	3.81	43	510456	286.602	ug/l	100
17) Carbon Disulfide	4.06	76	861415	43.162	ug/l	100
18) Methyl Acetate	4.32	43	234967	44.546	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	745105	45.857	ug/l	99
20) Methylene Chloride	4.55	84	325418	43.550	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	308405	44.599	ug/l	99
22) Diisopropyl ether	5.95	45	882097	46.648	ug/l	97
23) Vinyl Acetate	5.89	43	3013125	230.336	ug/l	98
24) 1,1-Dichloroethane	5.85	63	564289	44.740	ug/l	99
25) 2-Butanone	6.83	43	626852	246.774	ug/l	100
26) 2,2-Dichloropropane	6.82	77	435961	45.281	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	349810	45.494	ug/l	99
28) Bromochloromethane	7.19	49	265243	48.461	ug/l	96
29) Tetrahydrofuran	7.21	42	362374	222.161	ug/l	97
30) Chloroform	7.37	83	560849	44.858	ug/l	100
31) Cyclohexane	7.65	56	513581	43.714	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	473581	45.515	ug/l	99
36) 1,1-Dichloropropene	7.79	75	433781	47.492	ug/l	99
37) Ethyl Acetate	6.93	43	243100	47.655	ug/l	99
38) Carbon Tetrachloride	7.77	117	423108	45.983	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	518791	47.875	ug/l	99
40) Benzene	8.04	78	1309070	46.476	ug/l	100
41) Methacrylonitrile	7.17	41	147860	51.861	ug/l	95
42) 1,2-Dichloroethane	8.12	62	376239	44.988	ug/l	99
43) Isopropyl Acetate	8.16	43	427203	43.364	ug/l #	89
44) Trichloroethene	8.83	130	354664	44.229	ug/l	98
45) 1,2-Dichloropropane	9.12	63	341494	47.402	ug/l	99
46) Dibromomethane	9.21	93	197974	45.587	ug/l	98
47) Bromodichloromethane	9.40	83	425355	47.107	ug/l	100
48) Methyl methacrylate	9.20	41	208984	44.440	ug/l	94
49) 1,4-Dioxane	9.20	88	58836	868.787	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1114209	230.155	ug/l	99
52) Toluene	10.16	92	795169	47.568	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	428249	47.364	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	507623	47.378	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	283499	47.064	ug/l	99
56) Ethyl methacrylate	10.43	69	335846	47.130	ug/l	99
57) 1,3-Dichloropropane	10.71	76	474113	46.054	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	959980	218.271	ug/l	99
59) 2-Hexanone	10.75	43	787888	239.735	ug/l	99
60) Dibromochloromethane	10.90	129	327954	48.280	ug/l	99
61) 1,2-Dibromoethane	11.00	107	269055	45.128	ug/l	99
64) Tetrachloroethene	10.63	164	353607	46.555	ug/l	99
65) Chlorobenzene	11.43	112	869414	46.194	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	315747	48.037	ug/l	99
67) Ethyl Benzene	11.51	91	1466503	47.434	ug/l	100
68) m/p-Xylenes	11.62	106	1147752	97.269	ug/l	99
69) o-Xylene	11.95	106	552429	48.460	ug/l	99
70) Styrene	11.96	104	908623	49.176	ug/l	100
71) Bromoform	12.13	173	222886	49.461	ug/l #	99
73) Isopropylbenzene	12.25	105	1444348	46.396	ug/l	100
74) N-amyl acetate	12.07	43	341385	45.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	321214	43.113	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	265109m	46.608	ug/l	
77) Bromobenzene	12.53	156	377034	44.938	ug/l	98
78) n-propylbenzene	12.59	91	1706919	47.430	ug/l	100
79) 2-Chlorotoluene	12.68	91	987571	46.254	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1259725	48.798	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	90189	44.586	ug/l	98
82) 4-Chlorotoluene	12.77	91	1020238	46.567	ug/l	100
83) tert-Butylbenzene	12.99	119	1082250	47.434	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1287152	48.939	ug/l	100
85) sec-Butylbenzene	13.17	105	1504302	48.450	ug/l	100
86) p-Isopropyltoluene	13.29	119	1329476	48.960	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	696655	46.190	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	685832	45.969	ug/l	99
89) n-Butylbenzene	13.62	91	1172080	49.868	ug/l	100
90) Hexachloroethane	13.88	117	213491	47.664	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	670019	46.403	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47750	44.970	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	407091	49.158	ug/l	99
94) Hexachlorobutadiene	15.01	225	254461	49.341	ug/l	100
95) Naphthalene	15.13	128	807402	41.800	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	365847	47.612	ug/l	100

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

