

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058527.D
 Acq On : 4 Oct 2019 10:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:08:36 PM

Quant Time: Oct 04 23:59:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	381939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	642540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	594178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290804	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	276027	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
35) Dibromofluoromethane	7.57	113	196492	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.08	98	785400	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.40	95	298227	53.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	207525	49.553	ug/l	100
3) Chloromethane	2.04	50	252632	54.870	ug/l	99
4) Vinyl Chloride	2.17	62	227464	50.432	ug/l	99
5) Bromomethane	2.54	94	113865	47.529	ug/l	96
6) Chloroethane	2.68	64	146634	54.259	ug/l	98
7) Trichlorofluoromethane	3.00	101	273669	50.280	ug/l	97
8) Diethyl Ether	3.38	74	119491	50.882	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	186394	50.425	ug/l	98
10) Methyl Iodide	3.92	142	162005	39.526	ug/l	99
11) Tert butyl alcohol	4.75	59	188638	304.230	ug/l	98
12) 1,1-Dichloroethene	3.71	96	174712	48.490	ug/l	98
13) Acrolein	3.58	56	43906	222.632	ug/l	97
14) Allyl chloride	4.29	41	347863	53.053	ug/l	99
15) Acrylonitrile	4.95	53	505824	279.909	ug/l	100
16) Acetone	3.79	43	406461	213.629	ug/l	99
17) Carbon Disulfide	4.03	76	463306	48.781	ug/l	98
18) Methyl Acetate	4.29	43	254971	53.281	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	676084	53.182	ug/l	99
20) Methylene Chloride	4.52	84	221031	50.339	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	200991	50.165	ug/l	97
22) Diisopropyl ether	5.92	45	757207	53.665	ug/l	96
23) Vinyl Acetate	5.87	43	3109017	292.226	ug/l	100
24) 1,1-Dichloroethane	5.82	63	423083	53.278	ug/l	99
25) 2-Butanone	6.81	43	688832	263.690	ug/l	99
26) 2,2-Dichloropropane	6.80	77	357219	54.718	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	242654	51.818	ug/l	98
28) Bromochloromethane	7.17	49	172735	54.418	ug/l	96
29) Tetrahydrofuran	7.19	42	454400	274.066	ug/l	99
30) Chloroform	7.35	83	422709	52.531	ug/l	100
31) Cyclohexane	7.63	56	365025	47.256	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	356706	53.981	ug/l	100
36) 1,1-Dichloropropene	7.77	75	316455	51.507	ug/l	99
37) Ethyl Acetate	6.90	43	295152	56.662	ug/l	99
38) Carbon Tetrachloride	7.75	117	299404	53.988	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	360162	50.198	ug/l	97
40) Benzene	8.02	78	924396	52.342	ug/l	100
41) Methacrylonitrile	7.16	41	139799m	58.337	ug/l	
42) 1,2-Dichloroethane	8.11	62	358555	52.185	ug/l	100
43) Isopropyl Acetate	8.15	43	516524	52.731	ug/l #	90
44) Trichloroethene	8.82	130	232791	53.383	ug/l	99
45) 1,2-Dichloropropane	9.11	63	257094	54.280	ug/l	99
46) Dibromomethane	9.20	93	161235	53.753	ug/l	97
47) Bromodichloromethane	9.39	83	322020	56.662	ug/l	99
48) Methyl methacrylate	9.19	41	249301	55.893	ug/l	99
49) 1,4-Dioxane	9.19	88	87120	1460.766	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1510534	300.213	ug/l	99
52) Toluene	10.15	92	574818	51.711	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	367868	59.471	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	396534	57.750	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	229445	56.687	ug/l	97
56) Ethyl methacrylate	10.43	69	356924	58.114	ug/l	99
57) 1,3-Dichloropropane	10.71	76	402682	55.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	870406	355.411	ug/l	99
59) 2-Hexanone	10.75	43	1131185	308.753	ug/l	100
60) Dibromochloromethane	10.90	129	230243	54.987	ug/l	99
61) 1,2-Dibromoethane	11.00	107	229964	55.604	ug/l	100
64) Tetrachloroethene	10.63	164	202397	53.615	ug/l	99
65) Chlorobenzene	11.43	112	614637	52.040	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	222690	55.961	ug/l	100
67) Ethyl Benzene	11.51	91	1142410	53.401	ug/l	99
68) m/p-Xylenes	11.62	106	832926	103.483	ug/l	98
69) o-Xylene	11.95	106	403320	52.053	ug/l	98
70) Styrene	11.97	104	689689	54.792	ug/l	99
71) Bromoform	12.13	173	144318	52.445	ug/l #	100
73) Isopropylbenzene	12.25	105	1089739	50.707	ug/l	100
74) N-amyl acetate	12.07	43	484402	56.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	328000	51.613	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	299248m	56.339	ug/l	
77) Bromobenzene	12.53	156	255860	50.774	ug/l	97
78) n-propylbenzene	12.60	91	1315314	54.325	ug/l	100
79) 2-Chlorotoluene	12.68	91	772606	51.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	934638	51.953	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	101053	57.782	ug/l	99
82) 4-Chlorotoluene	12.78	91	806170	52.865	ug/l	99
83) tert-Butylbenzene	13.00	119	775194	51.065	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	941929	52.258	ug/l	100
85) sec-Butylbenzene	13.18	105	1080219	54.064	ug/l	100
86) p-Isopropyltoluene	13.29	119	979209	55.676	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	475943	52.087	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	470732	51.780	ug/l	99
89) n-Butylbenzene	13.62	91	927328	58.206	ug/l	100
90) Hexachloroethane	13.88	117	147558	55.840	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	464066	52.858	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	65080	58.073	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	287305	59.220	ug/l	100
94) Hexachlorobutadiene	15.02	225	140564	56.370	ug/l	100
95) Naphthalene	15.13	128	778960	54.829	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	266720	54.838	ug/l	99

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

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