

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022420\
 Data File : VN060196.D
 Acq On : 24 Feb 2020 9:20
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 9:43:11 AM

Quant Time: Feb 24 15:57:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	187861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	292049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140972	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	108247	47.35	ug/l	0.00
Spiked Amount						
			Recovery	=	94.70%	
35) Dibromofluoromethane	7.56	113	86647	48.27	ug/l	0.00
Spiked Amount						
			Recovery	=	96.54%	
50) Toluene-d8	10.08	98	336445	47.59	ug/l	0.00
Spiked Amount						
			Recovery	=	95.18%	
62) 4-Bromofluorobenzene	12.40	95	127332	49.02	ug/l	0.00
Spiked Amount						
			Recovery	=	98.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	91146	48.539	ug/l	99
3) Chloromethane	2.04	50	102437	45.841	ug/l	99
4) Vinyl Chloride	2.17	62	118260	46.429	ug/l	98
5) Bromomethane	2.54	94	73106	46.808	ug/l	98
6) Chloroethane	2.69	64	62231	48.305	ug/l	99
7) Trichlorofluoromethane	3.00	101	158924	48.394	ug/l	99
8) Diethyl Ether	3.39	74	54585	49.933	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91325	50.089	ug/l	99
10) Methyl Iodide	3.93	142	120290	49.137	ug/l	98
11) Tert butyl alcohol	4.72	59	74600	218.077	ug/l	98
12) 1,1-Dichloroethene	3.72	96	87220	49.106	ug/l	98
13) Acrolein	3.58	56	83028	245.553	ug/l	96
14) Allyl chloride	4.30	41	127654	48.831	ug/l	98
15) Acrylonitrile	4.94	53	209539	250.823	ug/l	100
16) Acetone	3.78	43	283188	284.006	ug/l	98
17) Carbon Disulfide	4.03	76	244435	45.658	ug/l	100
18) Methyl Acetate	4.29	43	98629	52.656	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	299152	50.083	ug/l	100
20) Methylene Chloride	4.52	84	98313	49.420	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	95433	49.290	ug/l	99
22) Diisopropyl ether	5.91	45	298040	52.020	ug/l	97
23) Vinyl Acetate	5.86	43	1230687	255.790	ug/l	100
24) 1,1-Dichloroethane	5.82	63	175512	50.569	ug/l	99
25) 2-Butanone	6.80	43	328470	261.927	ug/l	98
26) 2,2-Dichloropropane	6.80	77	166419	50.482	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	111687	49.291	ug/l	99
28) Bromochloromethane	7.17	49	68360	50.100	ug/l	99
29) Tetrahydrofuran	7.18	42	181962	236.518	ug/l	99
30) Chloroform	7.35	83	185092	50.910	ug/l	100
31) Cyclohexane	7.63	56	153588	47.505	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	168236	50.637	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137065	50.670	ug/l	100
37) Ethyl Acetate	6.89	43	118655	48.534	ug/l	98
38) Carbon Tetrachloride	7.75	117	148339	50.493	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	167086	49.759	ug/l	97
40) Benzene	8.02	78	404466	50.405	ug/l	100
41) Methacrylonitrile	7.15	41	52541m	51.246	ug/l	
42) 1,2-Dichloroethane	8.10	62	145440	51.714	ug/l	99
43) Isopropyl Acetate	8.14	43	211555	50.622	ug/l	99
44) Trichloroethene	8.82	130	112791	50.764	ug/l	98
45) 1,2-Dichloropropane	9.10	63	103557	52.128	ug/l	100
46) Dibromomethane	9.19	93	71900	51.215	ug/l	99
47) Bromodichloromethane	9.39	83	150393	52.692	ug/l	99
48) Methyl methacrylate	9.18	41	94093	50.182	ug/l	98
49) 1,4-Dioxane	9.18	88	30174	941.854	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	609725	252.061	ug/l	100
52) Toluene	10.14	92	265005	51.501	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	169711	52.677	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	178351	52.572	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	102434	51.027	ug/l	100
56) Ethyl methacrylate	10.42	69	148746	52.379	ug/l	98
57) 1,3-Dichloropropane	10.70	76	169749	51.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	272795	206.197	ug/l	100
59) 2-Hexanone	10.74	43	492244	263.432	ug/l	99
60) Dibromochloromethane	10.89	129	120840	52.456	ug/l	99
61) 1,2-Dibromoethane	10.99	107	107870	51.259	ug/l	100
64) Tetrachloroethene	10.62	164	106549	50.599	ug/l	99
65) Chlorobenzene	11.43	112	285070	50.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	111286	52.126	ug/l	99
67) Ethyl Benzene	11.50	91	524584	51.538	ug/l	100
68) m/p-Xylenes	11.62	106	396844	103.881	ug/l	99
69) o-Xylene	11.94	106	190485	51.787	ug/l	99
70) Styrene	11.96	104	314432	53.011	ug/l	100
71) Bromoform	12.12	173	90259	52.563	ug/l #	98
73) Isopropylbenzene	12.25	105	521766	49.564	ug/l	100
74) N-amyl acetate	12.06	43	190125	50.085	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	146273	48.274	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	133678m	49.564	ug/l	
77) Bromobenzene	12.52	156	130146	49.817	ug/l	99
78) n-propylbenzene	12.59	91	599458	49.981	ug/l	100
79) 2-Chlorotoluene	12.67	91	348653	49.457	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	443586	50.680	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55853	50.705	ug/l	99
82) 4-Chlorotoluene	12.77	91	364649	50.417	ug/l	100
83) tert-Butylbenzene	12.99	119	378981	48.946	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	438039	50.698	ug/l	99
85) sec-Butylbenzene	13.17	105	515593	50.281	ug/l	100
86) p-Isopropyltoluene	13.28	119	477179	51.361	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	236597	51.162	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	236449	51.141	ug/l	99
89) n-Butylbenzene	13.61	91	423333	51.804	ug/l	100
90) Hexachloroethane	13.87	117	87379	50.343	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	227006	50.160	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30097	46.663	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	139084	52.304	ug/l	99
94) Hexachlorobutadiene	15.01	225	78935	50.706	ug/l	100
95) Naphthalene	15.13	128	339150	47.215	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	131109	49.511	ug/l	100

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

