

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030220\
 Data File : VN060314.D
 Acq On : 2 Mar 2020 16:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 10:04:04 AM

Quant Time: Mar 03 06:36:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	205387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	314408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	159260	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	130232	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
35) Dibromofluoromethane	7.56	113	75048	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.08	98	384063	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.40	95	149062	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87489	46.460	ug/l	99
3) Chloromethane	2.03	50	156834	47.837	ug/l	99
4) Vinyl Chloride	2.16	62	129752	46.147	ug/l	99
5) Bromomethane	2.54	94	46473	40.611	ug/l	96
6) Chloroethane	2.68	64	69104	45.362	ug/l	97
7) Trichlorofluoromethane	3.00	101	167538	46.637	ug/l	100
8) Diethyl Ether	3.38	74	64453	47.520	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	97129	47.775	ug/l	99
10) Methyl Iodide	3.93	142	82499	44.462	ug/l	98
11) Tert butyl alcohol	4.73	59	96559	246.774	ug/l	99
12) 1,1-Dichloroethene	3.71	96	96028	48.665	ug/l	99
13) Acrolein	3.57	56	97414	266.863	ug/l	100
14) Allyl chloride	4.29	41	163820	45.028	ug/l	91
15) Acrylonitrile	4.94	53	266943	258.828	ug/l	98
16) Acetone	3.78	43	223412	262.539	ug/l	97
17) Carbon Disulfide	4.03	76	245731	46.884	ug/l	99
18) Methyl Acetate	4.28	43	131983	46.476	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	352052	49.141	ug/l	100
20) Methylene Chloride	4.52	84	109112	46.688	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	103470	48.796	ug/l	97
22) Diisopropyl ether	5.91	45	367754	49.902	ug/l	99
23) Vinyl Acetate	5.86	43	1509311	257.738	ug/l	99
24) 1,1-Dichloroethane	5.82	63	205012	49.145	ug/l	100
25) 2-Butanone	6.80	43	360037	261.937	ug/l	100
26) 2,2-Dichloropropane	6.80	77	184100	48.477	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	124011	45.762	ug/l	100
28) Bromochloromethane	7.17	49	80993	47.288	ug/l	98
29) Tetrahydrofuran	7.18	42	239142	250.199	ug/l	99
30) Chloroform	7.35	83	204835	49.326	ug/l	99
31) Cyclohexane	7.63	56	180290	50.663	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	181603	49.357	ug/l	100
36) 1,1-Dichloropropene	7.77	75	152163	47.864	ug/l	99
37) Ethyl Acetate	6.89	43	153351	50.944	ug/l	100
38) Carbon Tetrachloride	7.75	117	152064	49.129	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	182636	48.726	ug/l	98
40) Benzene	8.02	78	450694	48.709	ug/l	99
41) Methacrylonitrile	7.14	41	63008m	45.333	ug/l	
42) 1,2-Dichloroethane	8.10	62	166093	49.744	ug/l	100
43) Isopropyl Acetate	8.14	43	271153	51.454	ug/l	99
44) Trichloroethene	8.82	130	120129	46.616	ug/l	100
45) 1,2-Dichloropropane	9.10	63	121653	50.287	ug/l	96
46) Dibromomethane	9.19	93	78076	49.739	ug/l	99
47) Bromodichloromethane	9.39	83	162636	50.942	ug/l	97
48) Methyl methacrylate	9.18	41	120420	50.110	ug/l	99
49) 1,4-Dioxane	9.18	88	34240	1013.198	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	781281	261.484	ug/l	100
52) Toluene	10.14	92	285629	49.142	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	190248	48.633	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	199794	49.288	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	113153	48.411	ug/l	99
56) Ethyl methacrylate	10.42	69	176384	52.527	ug/l	99
57) 1,3-Dichloropropane	10.70	76	190933	50.090	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	459879	261.854	ug/l	99
59) 2-Hexanone	10.74	43	575359	262.269	ug/l	100
60) Dibromochloromethane	10.89	129	123911	52.129	ug/l	98
61) 1,2-Dibromoethane	10.99	107	115129	50.528	ug/l	99
64) Tetrachloroethene	10.62	164	120254	48.536	ug/l	100
65) Chlorobenzene	11.43	112	302186	47.598	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	115448	49.181	ug/l	100
67) Ethyl Benzene	11.51	91	563082	48.703	ug/l	100
68) m/p-Xylenes	11.62	106	420795	96.467	ug/l	100
69) o-Xylene	11.94	106	202896	48.778	ug/l	99
70) Styrene	11.96	104	339011	49.571	ug/l	100
71) Bromoform	12.12	173	87980	52.004	ug/l #	98
73) Isopropylbenzene	12.25	105	556144	47.114	ug/l	99
74) N-amyl acetate	12.07	43	247772	48.035	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	159851	49.818	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	141984m	40.635	ug/l	
77) Bromobenzene	12.52	156	133204	46.035	ug/l	98
78) n-propylbenzene	12.59	91	654837	47.326	ug/l	100
79) 2-Chlorotoluene	12.67	91	380910	46.832	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	473308	47.623	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	62787	49.603	ug/l #	86
82) 4-Chlorotoluene	12.77	91	398601	46.515	ug/l	99
83) tert-Butylbenzene	12.99	119	404390	46.996	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	475053	47.356	ug/l	100
85) sec-Butylbenzene	13.17	105	554075	48.085	ug/l	99
86) p-Isopropyltoluene	13.29	119	501193	46.994	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	244851	49.244	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	243926	49.335	ug/l	100
89) n-Butylbenzene	13.61	91	466902	47.690	ug/l	99
90) Hexachloroethane	13.87	117	76106	49.300	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	236048	46.556	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33202	45.694	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	156216	48.492	ug/l	100
94) Hexachlorobutadiene	15.01	225	75055	50.688	ug/l	99
95) Naphthalene	15.13	128	454948	47.932	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	147503	48.611	ug/l	100

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

