

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060096.D
 Acq On : 13 Feb 2020 16:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 10:27:31 AM

Quant Time: Feb 14 06:11:03 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	193385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	308976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	292431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151934	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117810	50.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.12%	
35) Dibromofluoromethane	7.56	113	94425	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.08	98	372724	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.40	95	141088	51.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104813	54.223	ug/l	98
3) Chloromethane	2.04	50	121367	52.760	ug/l	98
4) Vinyl Chloride	2.17	62	137889	52.589	ug/l	100
5) Bromomethane	2.54	94	82379	51.239	ug/l	99
6) Chloroethane	2.68	64	69835	52.658	ug/l	98
7) Trichlorofluoromethane	3.00	101	174178	51.524	ug/l	99
8) Diethyl Ether	3.38	74	60478	53.744	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	97787	52.101	ug/l	98
10) Methyl Iodide	3.93	142	134049	52.988	ug/l	99
11) Tert butyl alcohol	4.73	59	88799	252.170	ug/l	99
12) 1,1-Dichloroethene	3.72	96	97715	53.444	ug/l	98
13) Acrolein	3.57	56	87107	250.258	ug/l	96
14) Allyl chloride	4.29	41	138566	51.491	ug/l	97
15) Acrylonitrile	4.94	53	234750	272.974	ug/l	100
16) Acetone	3.78	43	230840	224.894	ug/l	99
17) Carbon Disulfide	4.03	76	284182	51.566	ug/l	100
18) Methyl Acetate	4.28	43	105284	54.603	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	321750	52.328	ug/l	99
20) Methylene Chloride	4.52	84	106743	52.125	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	104888	52.626	ug/l	98
22) Diisopropyl ether	5.91	45	317460	53.827	ug/l	95
23) Vinyl Acetate	5.86	43	1356992	273.986	ug/l	100
24) 1,1-Dichloroethane	5.82	63	189401	53.012	ug/l	99
25) 2-Butanone	6.80	43	322226	249.608	ug/l	99
26) 2,2-Dichloropropane	6.79	77	171031	50.399	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	120814	51.796	ug/l	100
28) Bromochloromethane	7.17	49	68148	48.518	ug/l	99
29) Tetrahydrofuran	7.18	42	206633	260.914	ug/l	99
30) Chloroform	7.35	83	197793	52.849	ug/l	99
31) Cyclohexane	7.63	56	169521	50.935	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	179096	52.366	ug/l	99
36) 1,1-Dichloropropene	7.77	75	149725	52.317	ug/l	99
37) Ethyl Acetate	6.89	43	134746	52.097	ug/l	99
38) Carbon Tetrachloride	7.75	117	157890	50.799	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	184326	51.886	ug/l	99
40) Benzene	8.02	78	441761	52.037	ug/l	100
41) Methacrylonitrile	7.15	41	59308m	54.677	ug/l	
42) 1,2-Dichloroethane	8.10	62	155923	52.404	ug/l	100
43) Isopropyl Acetate	8.14	43	234963	53.143	ug/l	99
44) Trichloroethene	8.82	130	119272	50.740	ug/l	99
45) 1,2-Dichloropropane	9.10	63	111930	53.256	ug/l	100
46) Dibromomethane	9.19	93	77363	52.088	ug/l	99
47) Bromodichloromethane	9.38	83	159096	52.687	ug/l	99
48) Methyl methacrylate	9.18	41	103715	52.283	ug/l	99
49) 1,4-Dioxane	9.18	88	37385	1103.009	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	682486	266.684	ug/l	100
52) Toluene	10.14	92	286406	52.610	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	182957	53.678	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	189274	52.735	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	110584	52.068	ug/l	99
56) Ethyl methacrylate	10.42	69	165959	55.239	ug/l	99
57) 1,3-Dichloropropane	10.70	76	182636	52.115	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	428123	305.876	ug/l	99
59) 2-Hexanone	10.74	43	505502	255.707	ug/l	99
60) Dibromochloromethane	10.89	129	127653	52.377	ug/l	98
61) 1,2-Dibromoethane	10.99	107	118169	53.077	ug/l	100
64) Tetrachloroethene	10.62	164	105141	47.296	ug/l	98
65) Chlorobenzene	11.43	112	308145	51.721	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	118214	52.450	ug/l	99
67) Ethyl Benzene	11.50	91	564692	52.552	ug/l	99
68) m/p-Xylenes	11.62	106	430531	106.754	ug/l	99
69) o-Xylene	11.94	106	203664	52.449	ug/l	99
70) Styrene	11.96	104	342553	54.706	ug/l	100
71) Bromoform	12.12	173	97209	53.624	ug/l #	98
73) Isopropylbenzene	12.25	105	561090	49.454	ug/l	99
74) N-amyl acetate	12.07	43	216186	52.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	165471	50.670	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	145666m	50.112	ug/l	
77) Bromobenzene	12.52	156	138960	49.353	ug/l	99
78) n-propylbenzene	12.59	91	647788	50.114	ug/l	100
79) 2-Chlorotoluene	12.67	91	376184	49.512	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	477190	50.585	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	61954	52.186	ug/l	99
82) 4-Chlorotoluene	12.77	91	393649	50.500	ug/l	99
83) tert-Butylbenzene	12.99	119	402435	48.225	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	475928	51.109	ug/l	99
85) sec-Butylbenzene	13.17	105	551315	49.885	ug/l	100
86) p-Isopropyltoluene	13.29	119	508410	50.774	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	253176	50.798	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	251980	50.568	ug/l	100
89) n-Butylbenzene	13.61	91	456665	51.851	ug/l	99
90) Hexachloroethane	13.87	117	93267	49.858	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	245250	50.281	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33935	48.854	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152445	53.192	ug/l	100
94) Hexachlorobutadiene	15.01	225	80754	48.131	ug/l	100
95) Naphthalene	15.13	128	401653	51.882	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	144924	50.779	ug/l	100

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

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