

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060034.D
 Acq On : 10 Feb 2020 9:57
 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
 2/11/2020 11:03:58 AM

Quant Time: Feb 11 07:20:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	178087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	277423	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	257547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106865	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
35) Dibromofluoromethane	7.56	113	86793	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.08	98	327744	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	125269	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	79030	37.509	ug/l	97
3) Chloromethane	2.04	50	80137	39.305	ug/l	100
4) Vinyl Chloride	2.17	62	105685	45.304	ug/l	98
5) Bromomethane	2.54	94	61096	42.915	ug/l	98
6) Chloroethane	2.68	64	51882	47.009	ug/l	99
7) Trichlorofluoromethane	3.00	101	129190	46.113	ug/l	98
8) Diethyl Ether	3.38	74	47868	48.686	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	77585	49.758	ug/l	94
10) Methyl Iodide	3.93	142	98456	39.064	ug/l	96
11) Tert butyl alcohol	4.72	59	74763	224.557	ug/l	98
12) 1,1-Dichloroethene	3.72	96	71370	43.804	ug/l	90
13) Acrolein	3.58	56	61892	262.613	ug/l	97
14) Allyl chloride	4.29	41	105865	48.206	ug/l #	84
15) Acrylonitrile	4.94	53	191995	252.807	ug/l	100
16) Acetone	3.78	43	266576	401.255	ug/l	97
17) Carbon Disulfide	4.03	76	164383	35.417	ug/l	99
18) Methyl Acetate	4.28	43	118921	51.479	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	270428	50.906	ug/l	95
20) Methylene Chloride	4.52	84	84900	47.381	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	78511	45.332	ug/l	93
22) Diisopropyl ether	5.91	45	258095	51.860	ug/l	95
23) Vinyl Acetate	5.86	43	977965	253.802	ug/l	96
24) 1,1-Dichloroethane	5.82	63	151373	49.778	ug/l	99
25) 2-Butanone	6.80	43	309267	276.141	ug/l	94
26) 2,2-Dichloropropane	6.79	77	146948	50.264	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	96762	48.575	ug/l	91
28) Bromochloromethane	7.17	49	62426	51.362	ug/l #	79
29) Tetrahydrofuran	7.18	42	164613	237.557	ug/l	90
30) Chloroform	7.35	83	162762	51.657	ug/l	98
31) Cyclohexane	7.63	56	121125	41.394	ug/l	89
32) 1,1,1-Trichloroethane	7.55	97	148042	50.817	ug/l	96
36) 1,1-Dichloropropene	7.77	75	114028	47.199	ug/l	97
37) Ethyl Acetate	6.89	43	105949	46.758	ug/l	96
38) Carbon Tetrachloride	7.75	117	127743	48.608	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	134746	45.234	ug/l	94
40) Benzene	8.02	78	342910	47.593	ug/l	100
41) Methacrylonitrile	7.14	41	42301m	37.901	ug/l	
42) 1,2-Dichloroethane	8.10	62	125179	51.242	ug/l	98
43) Isopropyl Acetate	8.14	43	192484	49.387	ug/l	96
44) Trichloroethene	8.82	130	97383	49.510	ug/l	95
45) 1,2-Dichloropropane	9.10	63	91697	51.431	ug/l	100
46) Dibromomethane	9.19	93	64093	50.962	ug/l	93
47) Bromodichloromethane	9.39	83	134862	53.212	ug/l	99
48) Methyl methacrylate	9.18	41	84266	48.337	ug/l	92
49) 1,4-Dioxane	9.18	88	30601	958.861	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	566607	251.491	ug/l	97
52) Toluene	10.14	92	225065	49.453	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	150360	53.133	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	156144	52.440	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	94217	52.271	ug/l	98
56) Ethyl methacrylate	10.42	69	135238	49.102	ug/l	95
57) 1,3-Dichloropropane	10.70	76	152371	53.246	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	232024	279.690	ug/l	93
59) 2-Hexanone	10.74	43	454446	273.797	ug/l	95
60) Dibromochloromethane	10.89	129	110347	53.760	ug/l	100
61) 1,2-Dibromoethane	10.99	107	95836	50.728	ug/l	100
64) Tetrachloroethene	10.62	164	97655	46.524	ug/l	96
65) Chlorobenzene	11.43	112	251713	49.724	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	100918	51.594	ug/l	99
67) Ethyl Benzene	11.50	91	452129	49.201	ug/l	98
68) m/p-Xylenes	11.62	106	337608	97.259	ug/l	96
69) o-Xylene	11.94	106	164671	48.456	ug/l	96
70) Styrene	11.96	104	276072	48.547	ug/l	98
71) Bromoform	12.12	173	81917	52.283	ug/l #	99
73) Isopropylbenzene	12.25	105	455445	48.236	ug/l	100
74) N-amyl acetate	12.07	43	169998	46.400	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	133825	48.891	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	112687m	52.011	ug/l	
77) Bromobenzene	12.52	156	113657	47.534	ug/l	86
78) n-propylbenzene	12.59	91	518875	48.961	ug/l	97
79) 2-Chlorotoluene	12.67	91	302000	47.902	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	381441	48.036	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	49253	48.819	ug/l	95
82) 4-Chlorotoluene	12.77	91	316794	50.098	ug/l	97
83) tert-Butylbenzene	12.99	119	340255	49.544	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	386577	49.209	ug/l	99
85) sec-Butylbenzene	13.17	105	456048	50.542	ug/l	100
86) p-Isopropyltoluene	13.28	119	414892	49.693	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	206122	49.627	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	206114	49.745	ug/l	97
89) n-Butylbenzene	13.61	91	369698	51.933	ug/l	99
90) Hexachloroethane	13.87	117	78064	49.974	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	202691	49.363	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28722	48.839	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125570	50.894	ug/l	98
94) Hexachlorobutadiene	15.01	225	70807	52.078	ug/l	97
95) Naphthalene	15.13	128	320606	45.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	120128	50.021	ug/l	99

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

