

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060161.D
 Acq On : 20 Feb 2020 9:54
 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
 2/21/2020 9:14:30 AM

Quant Time: Feb 21 02:38:26 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	188173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	292150	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	278821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	117032	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.56	113	95975	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	10.08	98	369085	52.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.40	95	139799	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	96625	51.372	ug/l	99
3) Chloromethane	2.04	50	107725	48.127	ug/l	99
4) Vinyl Chloride	2.17	62	123225	48.298	ug/l	99
5) Bromomethane	2.54	94	77906	49.799	ug/l	97
6) Chloroethane	2.68	64	64266	49.801	ug/l	99
7) Trichlorofluoromethane	3.00	101	162316	49.345	ug/l	100
8) Diethyl Ether	3.38	74	56333	51.447	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92504	50.652	ug/l	99
10) Methyl Iodide	3.93	142	125890	51.228	ug/l	99
11) Tert butyl alcohol	4.72	59	82970	242.143	ug/l	100
12) 1,1-Dichloroethene	3.72	96	89581	50.352	ug/l	98
13) Acrolein	3.57	56	75876	224.029	ug/l	97
14) Allyl chloride	4.29	41	129109	49.305	ug/l	98
15) Acrylonitrile	4.94	53	218294	260.869	ug/l	100
16) Acetone	3.78	43	278779	279.121	ug/l	99
17) Carbon Disulfide	4.03	76	253594	47.290	ug/l	98
18) Methyl Acetate	4.28	43	100270	53.443	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	300286	50.190	ug/l	99
20) Methylene Chloride	4.52	84	99647	50.008	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	97017	50.025	ug/l	100
22) Diisopropyl ether	5.91	45	296681	51.697	ug/l	98
23) Vinyl Acetate	5.86	43	1253324	260.063	ug/l	99
24) 1,1-Dichloroethane	5.82	63	176601	50.798	ug/l	99
25) 2-Butanone	6.80	43	345155	274.775	ug/l	98
26) 2,2-Dichloropropane	6.79	77	169709	51.395	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	114528	50.461	ug/l	99
28) Bromochloromethane	7.17	49	68964	50.458	ug/l #	99
29) Tetrahydrofuran	7.17	42	193142	250.634	ug/l	98
30) Chloroform	7.34	83	185262	50.872	ug/l	98
31) Cyclohexane	7.63	56	157048	48.494	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	169607	50.965	ug/l	100
36) 1,1-Dichloropropene	7.77	75	139163	51.427	ug/l	99
37) Ethyl Acetate	6.89	43	125912	51.485	ug/l	98
38) Carbon Tetrachloride	7.75	117	149959	51.026	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	173218	51.567	ug/l	99
40) Benzene	8.02	78	410649	51.158	ug/l	100
41) Methacrylonitrile	7.15	41	58117m	56.665	ug/l	
42) 1,2-Dichloroethane	8.10	62	146081	51.924	ug/l	99
43) Isopropyl Acetate	8.14	43	218409	52.244	ug/l	99
44) Trichloroethene	8.81	130	112672	50.693	ug/l	98
45) 1,2-Dichloropropane	9.10	63	106208	53.444	ug/l	99
46) Dibromomethane	9.19	93	73096	52.049	ug/l	99
47) Bromodichloromethane	9.38	83	151140	52.935	ug/l	98
48) Methyl methacrylate	9.18	41	96814	51.615	ug/l	99
49) 1,4-Dioxane	9.18	88	33627	1049.274	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	639579	264.312	ug/l	100
52) Toluene	10.14	92	265069	51.495	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	173590	53.863	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	178538	52.609	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	104605	52.090	ug/l	99
56) Ethyl methacrylate	10.42	69	153242	53.944	ug/l	98
57) 1,3-Dichloropropane	10.70	76	171128	51.644	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	300631	227.159	ug/l	100
59) 2-Hexanone	10.74	43	520452	278.432	ug/l	99
60) Dibromochloromethane	10.89	129	121268	52.623	ug/l	99
61) 1,2-Dibromoethane	10.99	107	112127	53.264	ug/l	99
64) Tetrachloroethene	10.62	164	106462	50.228	ug/l	98
65) Chlorobenzene	11.42	112	291885	51.383	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	111232	51.761	ug/l	100
67) Ethyl Benzene	11.50	91	528065	51.542	ug/l	100
68) m/p-Xylenes	11.61	106	399479	103.890	ug/l	100
69) o-Xylene	11.94	106	190759	51.524	ug/l	99
70) Styrene	11.96	104	318616	53.367	ug/l	100
71) Bromoform	12.12	173	92593	53.571	ug/l #	98
73) Isopropylbenzene	12.24	105	528194	50.065	ug/l	100
74) N-amyl acetate	12.06	43	200121	52.603	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152470	50.209	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	133524m	49.398	ug/l	
77) Bromobenzene	12.52	156	131658	50.285	ug/l	99
78) n-propylbenzene	12.59	91	611814	50.899	ug/l	100
79) 2-Chlorotoluene	12.67	91	348897	49.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	445934	50.836	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58125	52.652	ug/l	99
82) 4-Chlorotoluene	12.77	91	368724	50.869	ug/l	100
83) tert-Butylbenzene	12.99	119	385704	49.705	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	445408	51.439	ug/l	100
85) sec-Butylbenzene	13.17	105	520737	50.671	ug/l	100
86) p-Isopropyltoluene	13.28	119	482254	51.793	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	240232	51.835	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	237876	51.337	ug/l	99
89) n-Butylbenzene	13.61	91	433595	52.944	ug/l	99
90) Hexachloroethane	13.87	117	87661	50.395	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	230816	50.890	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31875	49.357	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	142330	53.408	ug/l	100
94) Hexachlorobutadiene	15.00	225	78503	50.318	ug/l	99
95) Naphthalene	15.13	128	361585	50.228	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	136650	51.490	ug/l	99

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

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