

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061065.D
 Acq On : 17 Apr 2020 20:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:21:13 AM

Quant Time: Apr 20 04:30:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	154868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	264290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	243798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	114773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	98889	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
35) Dibromofluoromethane	7.56	113	78731	51.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.02%	
50) Toluene-d8	10.08	98	283014	48.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.39	95	113035	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	105996	51.769	ug/l	100
3) Chloromethane	2.04	50	141372	51.469	ug/l	100
4) Vinyl Chloride	2.17	62	119888	52.523	ug/l	99
5) Bromomethane	2.54	94	56926	49.731	ug/l	96
6) Chloroethane	2.68	64	70587	53.608	ug/l	100
7) Trichlorofluoromethane	3.00	101	150066	52.808	ug/l	100
8) Diethyl Ether	3.38	74	59121	52.345	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83459	50.058	ug/l	99
10) Methyl Iodide	3.93	142	85659	58.238	ug/l	99
11) Tert butyl alcohol	4.72	59	94811	269.687	ug/l	99
12) 1,1-Dichloroethene	3.72	96	87844	51.833	ug/l	99
13) Acrolein	3.57	56	70244	236.642	ug/l	99
14) Allyl chloride	4.29	41	157161	49.012	ug/l	100
15) Acrylonitrile	4.94	53	266024	279.083	ug/l	98
16) Acetone	3.78	43	216882	248.680	ug/l	99
17) Carbon Disulfide	4.03	76	265289	50.025	ug/l	99
18) Methyl Acetate	4.28	43	153129	55.993	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	305122	51.634	ug/l	99
20) Methylene Chloride	4.52	84	97404	51.153	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	93702	51.694	ug/l	97
22) Diisopropyl ether	5.91	45	350510	52.631	ug/l	99
23) Vinyl Acetate	5.86	43	1394632	267.049	ug/l	100
24) 1,1-Dichloroethane	5.82	63	184976	51.426	ug/l	100
25) 2-Butanone	6.80	43	361366	270.398	ug/l	100
26) 2,2-Dichloropropane	6.79	77	134766	44.999	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	105802	50.841	ug/l	99
28) Bromochloromethane	7.17	49	84061	50.913	ug/l	99
29) Tetrahydrofuran	7.18	42	249131	274.590	ug/l	99
30) Chloroform	7.35	83	174176	51.916	ug/l	98
31) Cyclohexane	7.63	56	179732	48.695	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	150921	52.007	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137212	50.312	ug/l	99
37) Ethyl Acetate	6.89	43	155458	52.496	ug/l	100
38) Carbon Tetrachloride	7.75	117	120200	52.950	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	163265	50.073	ug/l	99
40) Benzene	8.02	78	408467	50.485	ug/l	100
41) Methacrylonitrile	7.14	41	71467m	57.860	ug/l	
42) 1,2-Dichloroethane	8.10	62	141799	51.448	ug/l	100
43) Isopropyl Acetate	8.14	43	253576	52.650	ug/l	100
44) Trichloroethene	8.81	130	101384	49.870	ug/l	99
45) 1,2-Dichloropropane	9.10	63	111316	50.938	ug/l	98
46) Dibromomethane	9.19	93	66133	52.487	ug/l	99
47) Bromodichloromethane	9.38	83	139043	52.237	ug/l	100
48) Methyl methacrylate	9.18	41	114273	53.689	ug/l	99
49) 1,4-Dioxane	9.18	88	30029	1015.877	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	762074	274.482	ug/l	100
52) Toluene	10.14	92	244638	50.402	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	158800	51.361	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	169313	50.189	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	95106	51.777	ug/l	98
56) Ethyl methacrylate	10.42	69	158647	54.926	ug/l	99
57) 1,3-Dichloropropane	10.70	76	167772	51.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	360159	274.412	ug/l	99
59) 2-Hexanone	10.74	43	554827	277.096	ug/l	100
60) Dibromochloromethane	10.89	129	100225	53.117	ug/l	100
61) 1,2-Dibromoethane	10.99	107	98472	52.611	ug/l	98
64) Tetrachloroethene	10.62	164	93902	50.334	ug/l	99
65) Chlorobenzene	11.43	112	247851	49.246	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	91067	50.576	ug/l	99
67) Ethyl Benzene	11.50	91	473308	49.995	ug/l	99
68) m/p-Xylenes	11.61	106	345536	100.993	ug/l	100
69) o-Xylene	11.94	106	165862	50.420	ug/l	100
70) Styrene	11.96	104	278287	52.547	ug/l	100
71) Bromoform	12.12	173	71391	53.116	ug/l #	99
73) Isopropylbenzene	12.24	105	446716	48.582	ug/l	100
74) N-amyl acetate	12.06	43	218499	51.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143904	51.269	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	124460m	49.300	ug/l	
77) Bromobenzene	12.52	156	104342	48.602	ug/l	99
78) n-propylbenzene	12.58	91	535684	49.794	ug/l	100
79) 2-Chlorotoluene	12.67	91	310110	49.149	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	377535	49.673	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	50016	48.868	ug/l	98
82) 4-Chlorotoluene	12.77	91	324755	49.627	ug/l	99
83) tert-Butylbenzene	12.99	119	316371	49.496	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	378555	50.388	ug/l	99
85) sec-Butylbenzene	13.17	105	429407	49.582	ug/l	100
86) p-Isopropyltoluene	13.28	119	379757	49.243	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	187365	48.971	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	186914	48.560	ug/l	100
89) n-Butylbenzene	13.61	91	357477	49.847	ug/l	100
90) Hexachloroethane	13.87	117	58623	49.546	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	181474	49.696	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29660	54.600	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	112080	51.856	ug/l	100
94) Hexachlorobutadiene	15.00	225	51665	46.467	ug/l	98
95) Naphthalene	15.13	128	340179	53.968	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	108435	52.060	ug/l	100

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

