

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061431.D
 Acq On : 18 May 2020 12:47
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/19/2020 4:25:41 PM

Quant Time: May 18 13:07:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 12:26:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	340391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	609985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	577565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	286007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	747265	143.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	286.10%	
35) Dibromofluoromethane	7.55	113	430990	140.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.24%	
50) Toluene-d8	10.06	98	2340762	154.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.28%	
62) 4-Bromofluorobenzene	12.37	95	906490	162.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	324.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	456338	165.711	ug/l	100
3) Chloromethane	2.03	50	580678	107.969	ug/l	99
4) Vinyl Chloride	2.16	62	887517	107.716	ug/l	99
5) Bromomethane	2.52	94	469522	105.157	ug/l	98
6) Chloroethane	2.66	64	575444	98.447	ug/l	98
7) Trichlorofluoromethane	2.98	101	1075165	106.312	ug/l	98
8) Diethyl Ether	3.37	74	339769	149.053	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	496811	154.208	ug/l	100
10) Methyl Iodide	3.91	142	613709	153.032	ug/l	99
11) Tert butyl alcohol	4.73	59	392122	995.211	ug/l	100
12) 1,1-Dichloroethene	3.69	96	510693	148.009	ug/l	93
13) Acrolein	3.56	56	294197	659.514	ug/l	99
14) Allyl chloride	4.27	41	821958	134.373	ug/l	97
15) Acrylonitrile	4.93	53	1261632	749.684	ug/l	99
16) Acetone	3.77	43	933712	708.115	ug/l	100
17) Carbon Disulfide	4.01	76	1063317	119.744	ug/l	100
18) Methyl Acetate	4.27	43	515470	133.595	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	1950279	144.378	ug/l	97
20) Methylene Chloride	4.50	84	604924	145.354	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	609290	146.011	ug/l	97
22) Diisopropyl ether	5.90	45	1856504	136.432	ug/l	99
23) Vinyl Acetate	5.84	43	7075018	638.721	ug/l #	94
24) 1,1-Dichloroethane	5.80	63	1079182	138.858	ug/l	100
25) 2-Butanone	6.78	43	1583163	725.316	ug/l	98
26) 2,2-Dichloropropane	6.77	77	999027	150.116	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	712341	146.997	ug/l	96
28) Bromochloromethane	7.15	49	471805	138.253	ug/l	94
29) Tetrahydrofuran	7.16	42	1054910	711.964	ug/l	98
30) Chloroform	7.33	83	1164458	142.755	ug/l	98
31) Cyclohexane	7.61	56	939800	123.182	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	1054675	145.259	ug/l	98
36) 1,1-Dichloropropene	7.75	75	863747	141.933	ug/l	99
37) Ethyl Acetate	6.88	43	705088	138.984	ug/l	99
38) Carbon Tetrachloride	7.73	117	862785	165.377	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1043635	144.094	ug/l	97
40) Benzene	8.00	78	2574615	143.742	ug/l	100
41) Methacrylonitrile	7.12	41	316209	134.320	ug/l	95
42) 1,2-Dichloroethane	8.09	62	901804	140.070	ug/l	99
43) Isopropyl Acetate	8.13	43	1285048	131.738	ug/l	99
44) Trichloroethene	8.80	130	702638	151.816	ug/l	98
45) 1,2-Dichloropropane	9.08	63	642739	142.454	ug/l	98
46) Dibromomethane	9.18	93	455590	150.160	ug/l	97
47) Bromodichloromethane	9.37	83	969308	147.158	ug/l	100
48) Methyl methacrylate	9.17	41	582655	131.996	ug/l	97
49) 1,4-Dioxane	9.17	88	127445	4451.251	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	3461032	658.910	ug/l	96
52) Toluene	10.12	92	1716704	150.994	ug/l	95
53) t-1,3-Dichloropropene	10.35	75	1090897	151.447	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	1136157	149.544	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	640962	151.526	ug/l	99
56) Ethyl methacrylate	10.40	69	1035190	149.673	ug/l	97
57) 1,3-Dichloropropane	10.68	76	1078259	146.304	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	2224457	761.459	ug/l	97
59) 2-Hexanone	10.72	43	2534589	704.397	ug/l	97
60) Dibromochloromethane	10.87	129	757053	160.977	ug/l	99
61) 1,2-Dibromoethane	10.98	107	677832	152.347	ug/l	100
64) Tetrachloroethene	10.60	164	700703	154.959	ug/l	97
65) Chlorobenzene	11.41	112	1784488	148.865	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	673686	159.222	ug/l	99
67) Ethyl Benzene	11.48	91	3164076	142.489	ug/l	93
68) m/p-Xylenes	11.60	106	2560719	306.961	ug/l	86
69) o-Xylene	11.92	106	1237442	152.929	ug/l	94
70) Styrene	11.94	104	2163230	159.233	ug/l	99
71) Bromoform	12.10	173	512616	172.020	ug/l #	100
73) Isopropylbenzene	12.22	105	3159383	135.721	ug/l	96
74) N-amyl acetate	12.04	43	1182602	129.889	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	835559	125.920	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	830263m	138.996	ug/l	
77) Bromobenzene	12.50	156	758069	148.787	ug/l	94
78) n-propylbenzene	12.57	91	3574537	131.728	ug/l	95
79) 2-Chlorotoluene	12.65	91	2199752	138.273	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	2724672	139.856	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	339971	148.845	ug/l	96
82) 4-Chlorotoluene	12.75	91	2338260	139.887	ug/l	98
83) tert-Butylbenzene	12.97	119	2329666	140.175	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	2729687	140.411	ug/l	96
85) sec-Butylbenzene	13.15	105	3090867	137.787	ug/l	98
86) p-Isopropyltoluene	13.26	119	2840466	145.867	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	1425081	154.242	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1406753	148.263	ug/l	98
89) n-Butylbenzene	13.59	91	2568478	145.360	ug/l	97
90) Hexachloroethane	13.85	117	411550	153.392	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	1321099	149.573	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	174943	137.125	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	792047	163.544	ug/l	100
94) Hexachlorobutadiene	14.98	225	305042	163.556	ug/l	99
95) Naphthalene	15.10	128	2459949	156.841	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	762650	157.565	ug/l	99

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

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