

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090619\
 Data File : VN057707.D
 Acq On : 5 Sep 2019 19:39
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/9/2019 1:10:41 PM

Quant Time: Sep 06 03:31:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 02:20:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	209965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	348329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	327646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	190524	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	763608	161.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	323.30%	
35) Dibromofluoromethane	7.57	113	486397	154.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.54%	
50) Toluene-d8	10.08	98	1832172	156.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	312.24%	
62) 4-Bromofluorobenzene	12.40	95	769543	172.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	345.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	507769	153.676	ug/l	96
3) Chloromethane	2.04	50	547927	160.504	ug/l	100
4) Vinyl Chloride	2.17	62	428528	153.001	ug/l	98
5) Bromomethane	2.51	94	202839m	128.893	ug/l	
6) Chloroethane	2.67	64	247063m	131.369	ug/l	
7) Trichlorofluoromethane	2.99	101	669714	131.058	ug/l	100
8) Diethyl Ether	3.39	74	277595	155.341	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	423194	149.073	ug/l	98
10) Methyl Iodide	3.93	142	500467	152.716	ug/l	97
11) Tert butyl alcohol	4.76	59	429164	809.553	ug/l	100
12) 1,1-Dichloroethene	3.71	96	386690	157.161	ug/l	98
13) Acrolein	3.58	56	202179	730.607	ug/l	94
14) Allyl chloride	4.29	41	908679	162.143	ug/l	99
15) Acrylonitrile	4.96	53	1141922	839.225	ug/l	99
16) Acetone	3.79	43	1131645	693.546	ug/l	99
17) Carbon Disulfide	4.03	76	946768	164.427	ug/l	99
18) Methyl Acetate	4.30	43	604451	141.889	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	1615582	157.227	ug/l	99
20) Methylene Chloride	4.53	84	470602	149.244	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	407728	153.341	ug/l	97
22) Diisopropyl ether	5.93	45	1878161	156.800	ug/l	97
23) Vinyl Acetate	5.87	43	7115525	789.355	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	937073	154.682	ug/l	99
25) 2-Butanone	6.81	43	1682733	780.339	ug/l	100
26) 2,2-Dichloropropane	6.80	77	827327	154.933	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	501879	156.891	ug/l	99
28) Bromochloromethane	7.18	49	492653	155.093	ug/l	98
29) Tetrahydrofuran	7.19	42	1058246	805.042	ug/l	100
30) Chloroform	7.36	83	983434	152.838	ug/l	98
31) Cyclohexane	7.64	56	784856	147.213	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	866929	162.381	ug/l	100
36) 1,1-Dichloropropene	7.78	75	671372	153.628	ug/l	99
37) Ethyl Acetate	6.91	43	716289	160.713	ug/l	99
38) Carbon Tetrachloride	7.76	117	721259	161.792	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	730630	150.580	ug/l	99
40) Benzene	8.03	78	1918489	150.923	ug/l	99
41) Methacrylonitrile	7.16	41	369702m	198.820	ug/l	
42) 1,2-Dichloroethane	8.11	62	890543	152.258	ug/l	99
43) Isopropyl Acetate	8.15	43	1366726	166.921	ug/l	99
44) Trichloroethene	8.82	130	452696	148.778	ug/l	95
45) 1,2-Dichloropropane	9.11	63	539847	152.040	ug/l	98
46) Dibromomethane	9.20	93	354931	153.471	ug/l	98
47) Bromodichloromethane	9.40	83	812031	169.717	ug/l	99
48) Methyl methacrylate	9.19	41	684145	173.066	ug/l	100
49) 1,4-Dioxane	9.19	88	161732	2889.561	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	3415842	755.942	ug/l	93
52) Toluene	10.15	92	1198195	152.179	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	857562	175.292	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	885957	165.992	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	482084	153.689	ug/l	98
56) Ethyl methacrylate	10.43	69	819578	169.990	ug/l	99
57) 1,3-Dichloropropane	10.71	76	855031	154.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1920538	1120.914	ug/l	100
59) 2-Hexanone	10.75	43	2621572	827.612	ug/l	96
60) Dibromochloromethane	10.90	129	540477	175.574	ug/l	98
61) 1,2-Dibromoethane	11.00	107	488138	158.927	ug/l	99
64) Tetrachloroethene	10.63	164	376101	132.645	ug/l	98
65) Chlorobenzene	11.43	112	1275450	153.504	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	481274	159.373	ug/l	99
67) Ethyl Benzene	11.51	91	2374708	149.710	ug/l	94
68) m/p-Xylenes	11.62	106	1741674	318.745	ug/l	85
69) o-Xylene	11.95	106	853401	156.727	ug/l	99
70) Styrene	11.96	104	1521681	175.416	ug/l	99
71) Bromoform	12.13	173	356707	188.944	ug/l	# 99
73) Isopropylbenzene	12.25	105	2346758	102.693	ug/l	98
74) N-amyl acetate	12.07	43	1307251	137.672	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	723081	116.729	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	645140m	123.293	ug/l	
77) Bromobenzene	12.53	156	537944	110.321	ug/l	99
78) n-propylbenzene	12.59	91	2727829	109.424	ug/l	95
79) 2-Chlorotoluene	12.68	91	1748966	113.720	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2068581	111.213	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	235092	153.051	ug/l	96
82) 4-Chlorotoluene	12.78	91	1843218	126.509	ug/l	99
83) tert-Butylbenzene	13.00	119	1734728	105.960	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2052798	120.521	ug/l	98
85) sec-Butylbenzene	13.17	105	2348637	113.957	ug/l	98
86) p-Isopropyltoluene	13.29	119	2082815	122.538	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	1016014	151.376	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	1012261	148.106	ug/l	99
89) n-Butylbenzene	13.62	91	2104498	141.749	ug/l	98
90) Hexachloroethane	13.88	117	377872	124.935	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	989922	155.144	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	165466	181.195	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	664457	284.513	ug/l	99
94) Hexachlorobutadiene	15.01	225	300152	116.202	ug/l	99
95) Naphthalene	15.13	128	1866636	304.624	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	621092	284.770	ug/l	99

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

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