

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059323.D
 Acq On : 20 Nov 2019 13:13
 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
 11/21/2019 11:08:03 AM

Quant Time: Nov 21 08:46:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:04:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	385140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	607743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	551334	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	266895	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	750890	158.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.20%	
35) Dibromofluoromethane	7.57	113	610832	168.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	336.66%	
50) Toluene-d8	10.08	98	2389643	167.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	334.36%	
62) 4-Bromofluorobenzene	12.40	95	876133	170.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	340.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	758599	195.493	ug/l	99
3) Chloromethane	2.04	50	895716	169.809	ug/l	100
4) Vinyl Chloride	2.17	62	966659	189.020	ug/l	100
5) Bromomethane	2.52	94	528566m	179.605	ug/l	
6) Chloroethane	2.67	64	486426	160.791	ug/l	99
7) Trichlorofluoromethane	2.99	101	988416	161.585	ug/l	99
8) Diethyl Ether	3.39	74	421913	169.751	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	610646	165.569	ug/l	99
10) Methyl Iodide	3.93	142	859333	188.236	ug/l	99
11) Tert butyl alcohol	4.76	59	711381	788.437	ug/l	99
12) 1,1-Dichloroethene	3.71	96	623906	173.656	ug/l	98
13) Acrolein	3.58	56	722998	1554.199	ug/l	99
14) Allyl chloride	4.29	41	1188645	161.063	ug/l	97
15) Acrylonitrile	4.95	53	1906027	848.846	ug/l	100
16) Acetone	3.79	43	1506438	611.885	ug/l	98
17) Carbon Disulfide	4.03	76	1968345	176.490	ug/l	99
18) Methyl Acetate	4.29	43	1067462	182.669	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	2092624	169.177	ug/l	99
20) Methylene Chloride	4.52	84	691906	161.317	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	667148	172.995	ug/l	96
22) Diisopropyl ether	5.92	45	2260038	162.129	ug/l	97
23) Vinyl Acetate	5.87	43	8290504	767.389	ug/l #	92
24) 1,1-Dichloroethane	5.82	63	1258271	161.613	ug/l	99
25) 2-Butanone	6.81	43	2534367	781.074	ug/l	97
26) 2,2-Dichloropropane	6.80	77	1059789	155.670	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	751811	168.035	ug/l	97
28) Bromochloromethane	7.17	49	528882	225.788	ug/l	97
29) Tetrahydrofuran	7.19	42	1725598	836.981	ug/l	98
30) Chloroform	7.35	83	1196345	160.183	ug/l	100
31) Cyclohexane	7.63	56	1205182	163.513	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	1037359	165.205	ug/l	99
36) 1,1-Dichloropropene	7.77	75	971606	171.038	ug/l	100
37) Ethyl Acetate	6.90	43	1032777	163.426	ug/l	98
38) Carbon Tetrachloride	7.75	117	923940	163.413	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	1205094	182.788	ug/l	98
40) Benzene	8.02	78	2817672	164.715	ug/l	100
41) Methacrylonitrile	7.16	41	483692m	176.016	ug/l	
42) 1,2-Dichloroethane	8.10	62	933486	159.107	ug/l	99
43) Isopropyl Acetate	8.15	43	1671565	165.913	ug/l	99
44) Trichloroethene	8.82	130	712103	169.345	ug/l	97
45) 1,2-Dichloropropane	9.10	63	758180	163.176	ug/l	100
46) Dibromomethane	9.19	93	467206	161.362	ug/l	98
47) Bromodichloromethane	9.39	83	952418	164.732	ug/l	97
48) Methyl methacrylate	9.19	41	770485	170.973	ug/l	96
49) 1,4-Dioxane	9.19	88	224624	2804.757	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	4352706	763.547	ug/l	89
52) Toluene	10.15	92	1731220	168.849	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	1135081	169.931	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	1224605	170.435	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	669837	161.426	ug/l	99
56) Ethyl methacrylate	10.42	69	1134502	184.193	ug/l	97
57) 1,3-Dichloropropane	10.70	76	1176563	164.745	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	2228076	964.826	ug/l	98
59) 2-Hexanone	10.75	43	3436220	785.331	ug/l	92
60) Dibromochloromethane	10.90	129	751880	171.379	ug/l	100
61) 1,2-Dibromoethane	11.00	107	713163	169.776	ug/l	100
64) Tetrachloroethene	10.63	164	614043	163.789	ug/l	98
65) Chlorobenzene	11.43	112	1793236	166.849	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	667528	165.570	ug/l	99
67) Ethyl Benzene	11.51	91	3123976	163.827	ug/l	92
68) m/p-Xylenes	11.62	106	2457439	344.038	ug/l	85
69) o-Xylene	11.95	106	1182310	171.276	ug/l	93
70) Styrene	11.96	104	1977505	182.150	ug/l	99
71) Bromoform	12.13	173	549228	175.136	ug/l #	99
73) Isopropylbenzene	12.25	105	3020320	155.574	ug/l	97
74) N-amyl acetate	12.07	43	1415402	172.055	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	1024969	155.031	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	951718m	156.628	ug/l	
77) Bromobenzene	12.53	156	759289	155.668	ug/l	99
78) n-propylbenzene	12.59	91	3448075	155.116	ug/l	94
79) 2-Chlorotoluene	12.68	91	2149894	155.904	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2610621	158.695	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	397632	172.845	ug/l	95
82) 4-Chlorotoluene	12.78	91	2209219	159.731	ug/l	97
83) tert-Butylbenzene	13.00	119	2248606	158.282	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2604900	163.668	ug/l	98
85) sec-Butylbenzene	13.17	105	2969325	160.713	ug/l	97
86) p-Isopropyltoluene	13.29	119	2713895	166.357	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	1370980	164.140	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1367562	163.644	ug/l	99
89) n-Butylbenzene	13.62	91	2519400	176.448	ug/l	96
90) Hexachloroethane	13.88	117	520199	158.799	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1333106	162.249	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	226090	151.518	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	903412	205.253	ug/l	99
94) Hexachlorobutadiene	15.01	225	468649	165.422	ug/l	100
95) Naphthalene	15.13	128	2494362	206.335	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	867235	188.339	ug/l	99

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

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