

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058214.D
 Acq On : 19 Sep 2019 19:16
 Operator : JC/SP
 Sample : VN0919WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:45 PM

Quant Time: Sep 20 05:46:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	470190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	796251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	727757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	350278	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
35) Dibromofluoromethane	7.57	113	250980	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	10.08	98	1004149	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.40	95	360618	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	74246	19.222	ug/l	97
3) Chloromethane	2.04	50	63278	20.647	ug/l	100
4) Vinyl Chloride	2.17	62	68918	20.636	ug/l	95
5) Bromomethane	2.54	94	33782	20.041	ug/l	99
6) Chloroethane	2.68	64	44932	20.512	ug/l	99
7) Trichlorofluoromethane	3.00	101	100752	19.110	ug/l	100
8) Diethyl Ether	3.39	74	47566	19.691	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	72936	19.188	ug/l	98
10) Methyl Iodide	3.93	142	58221	18.279	ug/l	99
11) Tert butyl alcohol	4.75	59	74292	95.369	ug/l	99
12) 1,1-Dichloroethene	3.72	96	59466	20.404	ug/l	93
13) Acrolein	3.59	56	23653	204.886	ug/l	96
14) Allyl chloride	4.30	41	118681	19.081	ug/l	97
15) Acrylonitrile	4.96	53	222761	107.330	ug/l	99
16) Acetone	3.80	43	184013	82.779	ug/l	97
17) Carbon Disulfide	4.03	76	70298	17.490	ug/l	96
18) Methyl Acetate	4.30	43	123329	21.084	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	297899	20.779	ug/l	98
20) Methylene Chloride	4.53	84	85038	21.725	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	62418	19.612	ug/l	99
22) Diisopropyl ether	5.93	45	322349	20.402	ug/l	95
23) Vinyl Acetate	5.87	43	1128530	104.385	ug/l	99
24) 1,1-Dichloroethane	5.82	63	169688	20.123	ug/l	99
25) 2-Butanone	6.81	43	296071	97.762	ug/l	100
26) 2,2-Dichloropropane	6.80	77	125426	17.532	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94063	19.727	ug/l	98
28) Bromochloromethane	7.17	49	89863	22.527	ug/l	99
29) Tetrahydrofuran	7.19	42	189597	101.635	ug/l	99
30) Chloroform	7.36	83	180917	19.931	ug/l	98
31) Cyclohexane	7.64	56	112327	19.116	ug/l	# 93
32) 1,1,1-Trichloroethane	7.55	97	137812	19.943	ug/l	98
36) 1,1-Dichloropropene	7.78	75	102893	17.919	ug/l	99
37) Ethyl Acetate	6.91	43	120902	20.289	ug/l	99
38) Carbon Tetrachloride	7.76	117	108367	18.774	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	105770	19.095	ug/l	98
40) Benzene	8.03	78	343583	19.590	ug/l	100
41) Methacrylonitrile	7.15	41	57939	19.859	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	145190	19.729	ug/l	100
43) Isopropyl Acetate	8.15	43	228322	20.515	ug/l	98
44) Trichloroethene	8.82	130	83462	19.446	ug/l	99
45) 1,2-Dichloropropane	9.11	63	106675	20.367	ug/l	100
46) Dibromomethane	9.20	93	64426	20.232	ug/l	96
47) Bromodichloromethane	9.39	83	132753	19.899	ug/l	100
48) Methyl methacrylate	9.19	41	103818	20.545	ug/l	98
49) 1,4-Dioxane	9.19	88	29542	356.086	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	670330	113.397	ug/l	98
52) Toluene	10.15	92	213718	19.444	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	130658	19.120	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	147102	19.497	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	103324	21.183	ug/l	97
56) Ethyl methacrylate	10.43	69	146160	20.768	ug/l	100
57) 1,3-Dichloropropane	10.71	76	168421	20.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	395993	118.126	ug/l	100
59) 2-Hexanone	10.75	43	469621	106.968	ug/l	99
60) Dibromochloromethane	10.90	129	93735	19.975	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91946	20.340	ug/l	98
64) Tetrachloroethene	10.63	164	69492	19.588	ug/l	99
65) Chlorobenzene	11.43	112	253604	19.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	92547	19.939	ug/l	99
67) Ethyl Benzene	11.51	91	443389	20.215	ug/l	98
68) m/p-Xylenes	11.62	106	322515	39.041	ug/l	96
69) o-Xylene	11.95	106	161512	19.884	ug/l	98
70) Styrene	11.97	104	284317	20.315	ug/l	99
71) Bromoform	12.13	173	56626	18.867	ug/l #	100
73) Isopropylbenzene	12.25	105	457336	20.940	ug/l	99
74) N-amyl acetate	12.07	43	193081	21.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	151697	20.741	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	131728m	21.094	ug/l	
77) Bromobenzene	12.53	156	107398	19.549	ug/l	96
78) n-propylbenzene	12.60	91	535956	21.595	ug/l	99
79) 2-Chlorotoluene	12.68	91	324253	20.905	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	395543	21.417	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	33161	19.758	ug/l	94
82) 4-Chlorotoluene	12.78	91	334485	20.515	ug/l	100
83) tert-Butylbenzene	13.00	119	341292	20.722	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	390741	21.260	ug/l	99
85) sec-Butylbenzene	13.18	105	462827	21.490	ug/l	100
86) p-Isopropyltoluene	13.29	119	410073	21.417	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	203955	20.326	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	204739	19.986	ug/l	99
89) n-Butylbenzene	13.62	91	374067	20.607	ug/l	99
90) Hexachloroethane	13.88	117	58230	19.187	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	209161	20.780	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25372	19.269	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	125935	19.582	ug/l	100
94) Hexachlorobutadiene	15.02	225	62065	19.967	ug/l	98
95) Naphthalene	15.13	128	339516	20.371	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	118965	19.571	ug/l	99

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

