

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058158.D
 Acq On : 18 Sep 2019 13:10
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN091819

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:43:24 PM

Quant Time: Sep 19 15:20:11 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	560909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	936122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	854614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	426244	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	396675	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.57	113	288636	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.09	98	1159419	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.40	95	428813	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	214265	46.501	ug/l	98
3) Chloromethane	2.04	50	179051	50.422	ug/l	100
4) Vinyl Chloride	2.17	62	194805	50.160	ug/l	100
5) Bromomethane	2.54	94	105492	51.291	ug/l	97
6) Chloroethane	2.68	64	126784	50.996	ug/l	99
7) Trichlorofluoromethane	3.00	101	283424	45.064	ug/l	98
8) Diethyl Ether	3.39	74	133327	46.266	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	211289	46.595	ug/l	99
10) Methyl Iodide	3.93	142	189392	49.844	ug/l	99
11) Tert butyl alcohol	4.75	59	238644	256.800	ug/l	99
12) 1,1-Dichloroethene	3.72	96	171478	49.829	ug/l	95
13) Acrolein	3.58	56	46727	339.293	ug/l	99
14) Allyl chloride	4.30	41	355939	47.970	ug/l	99
15) Acrylonitrile	4.96	53	639521	258.297	ug/l	100
16) Acetone	3.79	43	662547	249.845	ug/l	99
17) Carbon Disulfide	4.03	76	226502	46.779	ug/l	98
18) Methyl Acetate	4.30	43	336457	48.218	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	852386	49.839	ug/l	100
20) Methylene Chloride	4.53	84	232995	50.185	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	181857	48.485	ug/l	99
22) Diisopropyl ether	5.93	45	926623	49.162	ug/l	97
23) Vinyl Acetate	5.87	43	3441813	266.867	ug/l	99
24) 1,1-Dichloroethane	5.82	63	480192	47.734	ug/l	100
25) 2-Butanone	6.81	43	941287	260.542	ug/l	99
26) 2,2-Dichloropropane	6.81	77	412585	48.344	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	275568	48.446	ug/l	99
28) Bromochloromethane	7.18	49	238158	50.045	ug/l	97
29) Tetrahydrofuran	7.19	42	551560	247.849	ug/l	99
30) Chloroform	7.36	83	520436	48.062	ug/l	97
31) Cyclohexane	7.63	56	318527	48.933	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	415290	50.378	ug/l	100
36) 1,1-Dichloropropene	7.78	75	306120	45.346	ug/l	99
37) Ethyl Acetate	6.91	43	365030	52.103	ug/l	99
38) Carbon Tetrachloride	7.76	117	330635	48.722	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	317008	48.569	ug/l	99
40) Benzene	8.03	78	990992	48.061	ug/l	100
41) Methacrylonitrile	7.16	41	182649m	51.719	ug/l	
42) 1,2-Dichloroethane	8.11	62	418355	48.353	ug/l	99
43) Isopropyl Acetate	8.15	43	648847	49.590	ug/l	99
44) Trichloroethene	8.82	130	242544	48.068	ug/l	100
45) 1,2-Dichloropropane	9.11	63	308426	50.088	ug/l	100
46) Dibromomethane	9.20	93	184356	49.243	ug/l	99
47) Bromodichloromethane	9.40	83	406515	51.831	ug/l	99
48) Methyl methacrylate	9.19	41	313466	52.765	ug/l	99
49) 1,4-Dioxane	9.19	88	100452	1029.890	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1974416	284.098	ug/l	100
52) Toluene	10.15	92	634586	49.108	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	430103	53.534	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	457809	51.612	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	294112	51.287	ug/l	99
56) Ethyl methacrylate	10.43	69	445205	53.807	ug/l	99
57) 1,3-Dichloropropane	10.71	76	493814	50.090	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1065014	270.228	ug/l	99
59) 2-Hexanone	10.75	43	1471676	285.124	ug/l	99
60) Dibromochloromethane	10.90	129	296038	53.659	ug/l	100
61) 1,2-Dibromoethane	11.00	107	273357	51.436	ug/l	99
64) Tetrachloroethene	10.63	164	192834	46.287	ug/l	99
65) Chlorobenzene	11.43	112	744571	49.532	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	285057	52.298	ug/l	99
67) Ethyl Benzene	11.51	91	1325333	51.455	ug/l	100
68) m/p-Xylenes	11.62	106	967662	99.749	ug/l	98
69) o-Xylene	11.95	106	488582	51.220	ug/l	99
70) Styrene	11.97	104	869500	52.904	ug/l	100
71) Bromoform	12.13	173	193823	48.109	ug/l	100
73) Isopropylbenzene	12.25	105	1382314	51.811	ug/l	100
74) N-amyl acetate	12.07	43	604993	54.204	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	457895	51.250	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	383279m	50.244	ug/l	
77) Bromobenzene	12.53	156	330123	49.190	ug/l	100
78) n-propylbenzene	12.59	91	1612016	53.170	ug/l	100
79) 2-Chlorotoluene	12.68	91	959374	50.633	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1187144	52.619	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	124204	48.637	ug/l	99
82) 4-Chlorotoluene	12.78	91	1023766	51.401	ug/l	100
83) tert-Butylbenzene	13.00	119	1050400	52.208	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1206060	53.717	ug/l	100
85) sec-Butylbenzene	13.18	105	1417346	53.871	ug/l	100
86) p-Isopropyltoluene	13.29	119	1277884	54.634	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	629046	51.318	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	629779	50.325	ug/l	99
89) n-Butylbenzene	13.62	91	1197838	54.017	ug/l	99
90) Hexachloroethane	13.88	117	200218	48.882	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	630928	51.312	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	86828	53.981	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	412453	52.500	ug/l	99
94) Hexachlorobutadiene	15.01	225	194090	51.114	ug/l	98
95) Naphthalene	15.13	128	1145601	56.267	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	385935	51.974	ug/l	98

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

