

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058052.D
 Acq On : 14 Sep 2019 5:38
 Operator : JC/SP
 Sample : VN0914WBS04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBS04

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:11 PM

Quant Time: Sep 14 06:51:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	313632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	524728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	491653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281568	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	347519	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
35) Dibromofluoromethane	7.58	113	247434	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
50) Toluene-d8	10.09	98	976660	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.40	95	340671	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88948	20.507	ug/l	99
3) Chloromethane	2.04	50	76724	17.355	ug/l	99
4) Vinyl Chloride	2.17	62	80332	17.170	ug/l	98
5) Bromomethane	2.55	94	44852	16.423	ug/l	100
6) Chloroethane	2.69	64	52996	17.776	ug/l	95
7) Trichlorofluoromethane	3.00	101	112943	19.182	ug/l	95
8) Diethyl Ether	3.39	74	51182	20.841	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	76210	20.518	ug/l	98
10) Methyl Iodide	3.93	142	72437	17.525	ug/l	99
11) Tert butyl alcohol	4.75	59	79855	103.864	ug/l	100
12) 1,1-Dichloroethene	3.72	96	63853	19.120	ug/l	95
13) Acrolein	3.59	56	9167	14.054	ug/l	97
14) Allyl chloride	4.30	41	124595	19.064	ug/l	98
15) Acrylonitrile	4.96	53	222243	105.168	ug/l	99
16) Acetone	3.80	43	195965	94.104	ug/l	98
17) Carbon Disulfide	4.04	76	87289	16.899	ug/l	97
18) Methyl Acetate	4.30	43	129067	23.245	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	303911	21.867	ug/l	97
20) Methylene Chloride	4.53	84	90749	22.207	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	69477	19.245	ug/l	96
22) Diisopropyl ether	5.93	45	332889	21.719	ug/l	97
23) Vinyl Acetate	5.88	43	1143646	105.288	ug/l	99
24) 1,1-Dichloroethane	5.83	63	179048	21.375	ug/l	99
25) 2-Butanone	6.82	43	301966	100.188	ug/l	100
26) 2,2-Dichloropropane	6.81	77	97184	14.660	ug/l	77
27) cis-1,2-Dichloroethene	6.81	96	102167	21.117	ug/l	97
28) Bromochloromethane	7.18	49	93385	22.315	ug/l	96
29) Tetrahydrofuran	7.19	42	191853	103.300	ug/l	100
30) Chloroform	7.36	83	189480	21.634	ug/l	99
31) Cyclohexane	7.64	56	118804	19.446	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	141215	20.330	ug/l	99
36) 1,1-Dichloropropene	7.78	75	115173	18.926	ug/l	99
37) Ethyl Acetate	6.91	43	125961	20.034	ug/l	99
38) Carbon Tetrachloride	7.76	117	111011	19.980	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	112572	17.597	ug/l	98
40) Benzene	8.03	78	369916	20.191	ug/l	99
41) Methacrylonitrile	7.15	41	53184	18.634	ug/l	92
42) 1,2-Dichloroethane	8.11	62	154381	21.069	ug/l	100
43) Isopropyl Acetate	8.15	43	230984	21.846	ug/l #	87
44) Trichloroethene	8.83	130	89272	19.866	ug/l	95
45) 1,2-Dichloropropane	9.11	63	111813	20.973	ug/l	100
46) Dibromomethane	9.20	93	65354	20.287	ug/l	97
47) Bromodichloromethane	9.40	83	135026	20.989	ug/l	97
48) Methyl methacrylate	9.19	41	104212	19.430	ug/l	98
49) 1,4-Dioxane	9.19	88	32536	358.715	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	669583	107.013	ug/l	99
52) Toluene	10.15	92	228758	19.824	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	127199	18.776	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	142781	19.090	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	102297	20.928	ug/l	99
56) Ethyl methacrylate	10.43	69	144654	19.652	ug/l	97
57) 1,3-Dichloropropane	10.71	76	174911	20.764	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	315684	91.058	ug/l	100
59) 2-Hexanone	10.75	43	464350	99.011	ug/l	99
60) Dibromochloromethane	10.90	129	89802	19.785	ug/l	99
61) 1,2-Dibromoethane	11.00	107	93241	20.177	ug/l	97
64) Tetrachloroethene	10.63	164	73555	20.262	ug/l	97
65) Chlorobenzene	11.43	112	257906	20.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	91034	20.390	ug/l	100
67) Ethyl Benzene	11.51	91	458688	20.341	ug/l	100
68) m/p-Xylenes	11.62	106	330913	40.062	ug/l	99
69) o-Xylene	11.95	106	168058	20.466	ug/l	99
70) Styrene	11.97	104	289559	20.489	ug/l	99
71) Bromoform	12.13	173	51558	18.522	ug/l #	99
73) Isopropylbenzene	12.25	105	466825	21.366	ug/l	99
74) N-amyl acetate	12.07	43	185332	19.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	151804	20.635	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	126817m	19.910	ug/l	
77) Bromobenzene	12.53	156	110051	20.203	ug/l	97
78) n-propylbenzene	12.59	91	533406	21.260	ug/l	100
79) 2-Chlorotoluene	12.68	91	323958	20.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	392713	21.273	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	27292	15.078	ug/l	87
82) 4-Chlorotoluene	12.78	91	329991	20.265	ug/l	100
83) tert-Butylbenzene	13.00	119	336589	20.511	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	395551	21.082	ug/l	99
85) sec-Butylbenzene	13.18	105	456473	20.987	ug/l	98
86) p-Isopropyltoluene	13.29	119	402594	21.008	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	201549	20.158	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	203168	20.018	ug/l	99
89) n-Butylbenzene	13.62	91	360039	19.894	ug/l	99
90) Hexachloroethane	13.88	117	56069	19.673	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	203722	20.395	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23755	19.553	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	119493	18.302	ug/l	99
94) Hexachlorobutadiene	15.02	225	55451	20.035	ug/l	99
95) Naphthalene	15.13	128	321405	18.510	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	115951	20.935	ug/l	98

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

