

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091019\
 Data File : VN057815.D
 Acq On : 9 Sep 2019 20:57
 Operator : JC/SP
 Sample : VN0910WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 5:16:17 AM

Quant Time: Sep 10 07:42:12 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	308066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	512117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	476616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269037	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	319504	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.58	113	228626	48.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.74%	
50) Toluene-d8	10.09	98	932435	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	320877	45.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87435	20.523	ug/l	99
3) Chloromethane	2.03	50	85980	19.801	ug/l	100
4) Vinyl Chloride	2.16	62	92756	20.183	ug/l	98
5) Bromomethane	2.54	94	53670	20.349	ug/l	96
6) Chloroethane	2.68	64	58591	20.007	ug/l	99
7) Trichlorofluoromethane	2.99	101	103566	17.907	ug/l	99
8) Diethyl Ether	3.39	74	46860	19.426	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	73620	20.179	ug/l	98
10) Methyl Iodide	3.93	142	79352	19.545	ug/l	99
11) Tert butyl alcohol	4.77	59	69609	92.174	ug/l	100
12) 1,1-Dichloroethene	3.72	96	62120	18.937	ug/l	99
13) Acrolein	3.59	56	59920	93.522	ug/l	97
14) Allyl chloride	4.30	41	115306	17.961	ug/l	100
15) Acrylonitrile	4.96	53	205164	98.840	ug/l	98
16) Acetone	3.80	43	168527	82.391	ug/l	98
17) Carbon Disulfide	4.03	76	95472	18.799	ug/l	99
18) Methyl Acetate	4.30	43	113696	20.847	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	283615	20.775	ug/l	96
20) Methylene Chloride	4.53	84	83572	20.741	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	67474	19.028	ug/l	93
22) Diisopropyl ether	5.93	45	301779	20.045	ug/l	100
23) Vinyl Acetate	5.87	43	1092845	102.429	ug/l	99
24) 1,1-Dichloroethane	5.83	63	165156	20.073	ug/l	99
25) 2-Butanone	6.82	43	280330	94.690	ug/l	98
26) 2,2-Dichloropropane	6.81	77	112657	17.302	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	92748	19.517	ug/l	99
28) Bromochloromethane	7.18	49	83136	20.225	ug/l	100
29) Tetrahydrofuran	7.19	42	179619	98.460	ug/l	99
30) Chloroform	7.36	83	170684	19.840	ug/l	96
31) Cyclohexane	7.64	56	118776	19.835	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	132874	19.474	ug/l	100
36) 1,1-Dichloropropene	7.78	75	109677	18.467	ug/l	99
37) Ethyl Acetate	6.91	43	113650	18.521	ug/l	99
38) Carbon Tetrachloride	7.76	117	101615	18.740	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	113787	18.225	ug/l	95
40) Benzene	8.03	78	346830	19.397	ug/l	98
41) Methacrylonitrile	7.15	41	56175	20.167	ug/l	97
42) 1,2-Dichloroethane	8.11	62	138317	19.342	ug/l	100
43) Isopropyl Acetate	8.15	43	199864	19.368	ug/l #	92
44) Trichloroethene	8.83	130	81510	18.586	ug/l	98
45) 1,2-Dichloropropane	9.11	63	103200	19.835	ug/l	97
46) Dibromomethane	9.20	93	62042	19.733	ug/l	98
47) Bromodichloromethane	9.40	83	120811	19.242	ug/l	100
48) Methyl methacrylate	9.19	41	98120	18.744	ug/l	97
49) 1,4-Dioxane	9.19	88	30058	339.555	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	636031	104.154	ug/l	100
52) Toluene	10.15	92	217546	19.317	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	119971	18.145	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	136578	18.710	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	93761	19.654	ug/l	99
56) Ethyl methacrylate	10.43	69	138260	19.246	ug/l	99
57) 1,3-Dichloropropane	10.71	76	158133	19.235	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	337624	99.784	ug/l	99
59) 2-Hexanone	10.75	43	445244	97.275	ug/l	100
60) Dibromochloromethane	10.90	129	82115	18.537	ug/l	99
61) 1,2-Dibromoethane	11.00	107	87958	19.503	ug/l	99
64) Tetrachloroethene	10.63	164	67320	19.130	ug/l	97
65) Chlorobenzene	11.43	112	242529	19.444	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83121	19.205	ug/l	100
67) Ethyl Benzene	11.51	91	438063	20.039	ug/l	99
68) m/p-Xylenes	11.62	106	314753	39.308	ug/l	99
69) o-Xylene	11.95	106	156636	19.677	ug/l	99
70) Styrene	11.97	104	272535	19.893	ug/l	100
71) Bromoform	12.13	173	49225	18.242	ug/l #	99
73) Isopropylbenzene	12.25	105	437089	20.937	ug/l	100
74) N-amyl acetate	12.07	43	180012	19.813	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	140692	20.016	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	115186m	18.926	ug/l	
77) Bromobenzene	12.53	156	98938	19.008	ug/l	98
78) n-propylbenzene	12.59	91	499427	20.833	ug/l	100
79) 2-Chlorotoluene	12.68	91	299078	19.739	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	368007	20.863	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	29392	16.995	ug/l	88
82) 4-Chlorotoluene	12.78	91	310739	19.971	ug/l	100
83) tert-Butylbenzene	13.00	119	317901	20.275	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	372874	20.799	ug/l	99
85) sec-Butylbenzene	13.17	105	430514	20.715	ug/l	99
86) p-Isopropyltoluene	13.29	119	380570	20.783	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	182323	19.084	ug/l	97
88) 1,4-Dichlorobenzene	13.37	146	186498	19.232	ug/l	99
89) n-Butylbenzene	13.62	91	347177	20.077	ug/l	100
90) Hexachloroethane	13.88	117	51413	18.879	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	188094	19.707	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22195	19.120	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	109793	17.599	ug/l	99
94) Hexachlorobutadiene	15.01	225	48594	18.375	ug/l	98
95) Naphthalene	15.13	128	323169	19.563	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	105952	20.064	ug/l	98

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

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