

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058311.D
 Acq On : 23 Sep 2019 22:54
 Operator : JC/SP
 Sample : VN0923WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:43:11 AM

Quant Time: Sep 24 06:34:45 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	413090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	729190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	658045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308345	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	313117	54.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.84%	
35) Dibromofluoromethane	7.58	113	226342	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
50) Toluene-d8	10.09	98	866430	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.41	95	308106	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	62545	18.431	ug/l	99
3) Chloromethane	2.04	50	55990	20.802	ug/l	100
4) Vinyl Chloride	2.17	62	58810	20.017	ug/l	99
5) Bromomethane	2.55	94	32370	21.792	ug/l	96
6) Chloroethane	2.69	64	41586	21.706	ug/l	96
7) Trichlorofluoromethane	3.00	101	91554	19.766	ug/l	97
8) Diethyl Ether	3.39	74	44215	20.833	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67063	20.082	ug/l	99
10) Methyl Iodide	3.93	142	55646	19.885	ug/l	99
11) Tert butyl alcohol	4.76	59	82966	121.225	ug/l	99
12) 1,1-Dichloroethene	3.72	96	53508	20.906	ug/l	99
13) Acrolein	3.59	56	16026	158.008	ug/l	96
14) Allyl chloride	4.30	41	106359	19.463	ug/l	99
15) Acrylonitrile	4.97	53	218665	119.920	ug/l	100
16) Acetone	3.80	43	192774	98.708	ug/l	100
17) Carbon Disulfide	4.03	76	63030	17.844	ug/l	99
18) Methyl Acetate	4.30	43	122095	23.759	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	279192	22.166	ug/l	97
20) Methylene Chloride	4.53	84	78663	22.886	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	56328	20.156	ug/l	97
22) Diisopropyl ether	5.93	45	301759	21.739	ug/l	95
23) Vinyl Acetate	5.87	43	1067095	112.346	ug/l	99
24) 1,1-Dichloroethane	5.82	63	156662	21.146	ug/l	100
25) 2-Butanone	6.82	43	300611	112.982	ug/l	97
26) 2,2-Dichloropropane	6.80	77	104019	16.550	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	87673	20.929	ug/l	96
28) Bromochloromethane	7.18	49	80512	22.972	ug/l	97
29) Tetrahydrofuran	7.19	42	189920	115.881	ug/l	100
30) Chloroform	7.36	83	169093	21.204	ug/l	100
31) Cyclohexane	7.64	56	100093	19.424	ug/l #	94
32) 1,1,1-Trichloroethane	7.55	97	131136	21.600	ug/l	98
36) 1,1-Dichloropropene	7.78	75	94763	18.021	ug/l	99
37) Ethyl Acetate	6.91	43	119680	21.931	ug/l	99
38) Carbon Tetrachloride	7.76	117	100798	19.069	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	88827	17.517	ug/l	96
40) Benzene	8.03	78	315672	19.654	ug/l	100
41) Methacrylonitrile	7.16	41	55219m	20.630	ug/l	
42) 1,2-Dichloroethane	8.11	62	139235	20.660	ug/l	99
43) Isopropyl Acetate	8.15	43	210252	20.629	ug/l #	91
44) Trichloroethene	8.83	130	75487	19.206	ug/l	97
45) 1,2-Dichloropropane	9.11	63	102555	21.381	ug/l	98
46) Dibromomethane	9.20	93	59383	20.363	ug/l	99
47) Bromodichloromethane	9.40	83	124460	20.372	ug/l	96
48) Methyl methacrylate	9.19	41	97478	21.065	ug/l	98
49) 1,4-Dioxane	9.19	88	35278	464.331	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	667275	123.261	ug/l	98
52) Toluene	10.15	92	194080	19.281	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	121835	19.468	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	135723	19.643	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	96481	21.599	ug/l	97
56) Ethyl methacrylate	10.43	69	137053	21.265	ug/l	98
57) 1,3-Dichloropropane	10.71	76	162430	21.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	341768	111.326	ug/l	100
59) 2-Hexanone	10.75	43	469586	116.796	ug/l	99
60) Dibromochloromethane	10.90	129	88130	20.507	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85488	20.651	ug/l	99
64) Tetrachloroethene	10.63	164	60430	18.838	ug/l	97
65) Chlorobenzene	11.44	112	229459	19.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88199	21.015	ug/l	100
67) Ethyl Benzene	11.51	91	394407	19.887	ug/l	98
68) m/p-Xylenes	11.62	106	284874	38.137	ug/l	95
69) o-Xylene	11.95	106	146318	19.921	ug/l	98
70) Styrene	11.97	104	250918	19.828	ug/l	97
71) Bromoform	12.13	173	54317	19.796	ug/l #	100
73) Isopropylbenzene	12.26	105	410461	21.267	ug/l	99
74) N-amyl acetate	12.08	43	184112	22.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	149120	23.072	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	120123m	21.768	ug/l	
77) Bromobenzene	12.53	156	99211	20.435	ug/l	97
78) n-propylbenzene	12.60	91	477270	21.761	ug/l	99
79) 2-Chlorotoluene	12.68	91	288255	21.030	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	348124	21.330	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	30621	20.386	ug/l	92
82) 4-Chlorotoluene	12.78	91	298144	20.693	ug/l	100
83) tert-Butylbenzene	13.00	119	311775	21.421	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	353131	21.742	ug/l	100
85) sec-Butylbenzene	13.18	105	412349	21.665	ug/l	98
86) p-Isopropyltoluene	13.30	119	357904	21.152	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	183720	20.719	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	183905	20.315	ug/l	97
89) n-Butylbenzene	13.62	91	313831	19.563	ug/l	100
90) Hexachloroethane	13.88	117	56744	20.868	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	188759	21.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25455	21.876	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	104391	18.368	ug/l	99
94) Hexachlorobutadiene	15.02	225	50854	18.513	ug/l	96
95) Naphthalene	15.14	128	296772	20.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	101052	18.812	ug/l	100

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

