

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057618.D
 Acq On : 31 Aug 2019 16:59
 Operator : JC/SP
 Sample : VN0901WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0901WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:52:15 AM

Quant Time: Sep 01 00:13:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	190144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	322388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	290901	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	115158	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	215852	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	7.58	113	137712	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	10.09	98	539901	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
62) 4-Bromofluorobenzene	12.40	95	184880	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	62736	20.633	ug/l	96
3) Chloromethane	2.05	50	75638	21.578	ug/l	99
4) Vinyl Chloride	2.18	62	56620	20.623	ug/l	99
5) Bromomethane	2.51	94	39493	22.734	ug/l	95
6) Chloroethane	2.66	64	32007	20.871	ug/l	97
7) Trichlorofluoromethane	3.00	101	78785	20.443	ug/l	95
8) Diethyl Ether	3.40	74	26685	20.925	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39461	20.197	ug/l	97
10) Methyl Iodide	3.92	142	50510	20.023	ug/l	99
11) Tert butyl alcohol	4.81	59	46810	103.904	ug/l #	83
12) 1,1-Dichloroethene	3.71	96	36228	20.455	ug/l	97
13) Acrolein	3.59	56	17495	97.668	ug/l	92
14) Allyl chloride	4.29	41	105401	19.076	ug/l	96
15) Acrylonitrile	4.98	53	146234	108.174	ug/l	98
16) Acetone	3.81	43	108051	89.760	ug/l	95
17) Carbon Disulfide	4.02	76	115074	20.097	ug/l	97
18) Methyl Acetate	4.31	43	84333	20.403	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	193623	21.131	ug/l	99
20) Methylene Chloride	4.52	84	63539	21.321	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	54683	20.768	ug/l	97
22) Diisopropyl ether	5.94	45	240759	21.197	ug/l	99
23) Vinyl Acetate	5.88	43	927298	106.228	ug/l	99
24) 1,1-Dichloroethane	5.82	63	118279	20.745	ug/l	99
25) 2-Butanone	6.83	43	201755	100.582	ug/l	98
26) 2,2-Dichloropropane	6.81	77	84965	18.643	ug/l	83
27) cis-1,2-Dichloroethene	6.81	96	67616	21.504	ug/l	97
28) Bromochloromethane	7.18	49	65287	21.502	ug/l	99
29) Tetrahydrofuran	7.20	42	133775	106.303	ug/l	100
30) Chloroform	7.36	83	120625	20.854	ug/l	97
31) Cyclohexane	7.63	56	119727	21.040	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	94995	20.021	ug/l	99
36) 1,1-Dichloropropene	7.78	75	87402	20.449	ug/l	99
37) Ethyl Acetate	6.92	43	87053	21.381	ug/l #	93
38) Carbon Tetrachloride	7.75	117	75336	19.691	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	102097	20.218	ug/l	99
40) Benzene	8.03	78	257452	20.692	ug/l	96
41) Methacrylonitrile	7.16	41	44925	21.069	ug/l	96
42) 1,2-Dichloroethane	8.11	62	104836	20.745	ug/l	100
43) Isopropyl Acetate	8.16	43	151831	20.727	ug/l	99
44) Trichloroethene	8.82	130	56617	20.059	ug/l	99
45) 1,2-Dichloropropane	9.11	63	71517	20.636	ug/l	99
46) Dibromomethane	9.20	93	42550	19.830	ug/l	97
47) Bromodichloromethane	9.40	83	88659	20.337	ug/l	95
48) Methyl methacrylate	9.20	41	78804	21.071	ug/l	98
49) 1,4-Dioxane	9.20	88	17934	409.516	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	445744	106.172	ug/l	99
52) Toluene	10.15	92	153956	20.936	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	84825	19.515	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	98317	19.525	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	57334	20.550	ug/l	98
56) Ethyl methacrylate	10.43	69	92142	19.790	ug/l	99
57) 1,3-Dichloropropane	10.71	76	104357	20.387	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	126598	92.939	ug/l	99
59) 2-Hexanone	10.75	43	306830	99.521	ug/l	97
60) Dibromochloromethane	10.90	129	50397	18.854	ug/l	95
61) 1,2-Dibromoethane	11.00	107	56970	20.279	ug/l	98
64) Tetrachloroethene	10.63	164	52061	20.668	ug/l	98
65) Chlorobenzene	11.43	112	151107	20.730	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	51028	20.072	ug/l	98
67) Ethyl Benzene	11.51	91	292788	20.672	ug/l	99
68) m/p-Xylenes	11.62	106	201147	40.313	ug/l	99
69) o-Xylene	11.95	106	97030	20.066	ug/l	95
70) Styrene	11.96	104	154283	19.395	ug/l	97
71) Bromoform	12.13	173	29927	20.088	ug/l #	94
73) Isopropylbenzene	12.25	105	271778	23.375	ug/l	99
74) N-amyl acetate	12.07	43	126463	23.048	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	78726	22.974	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	71039m	23.452	ug/l	
77) Bromobenzene	12.53	156	58115	23.485	ug/l	99
78) n-propylbenzene	12.59	91	283239	21.887	ug/l	100
79) 2-Chlorotoluene	12.67	91	182303	22.592	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	218337	22.826	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17173	19.433	ug/l	90
82) 4-Chlorotoluene	12.77	91	170658	21.366	ug/l	99
83) tert-Butylbenzene	12.99	119	189274	23.321	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	202190	21.849	ug/l	98
85) sec-Butylbenzene	13.17	105	231650	21.220	ug/l	98
86) p-Isopropyltoluene	13.29	119	193149	21.394	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	82069	20.357	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	79659	20.456	ug/l	97
89) n-Butylbenzene	13.62	91	178236	21.067	ug/l	99
90) Hexachloroethane	13.88	117	31954	20.387	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	78451	20.393	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11310	21.435	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	25920	21.244	ug/l	95
94) Hexachlorobutadiene	15.01	225	25905	19.623	ug/l	96
95) Naphthalene	15.13	128	74340	19.889	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	24222	20.012	ug/l	95

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

