

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020720\
 Data File : VN060020.D
 Acq On : 7 Feb 2020 10:49
 Operator : JC/MD
 Sample : VN0207WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0207WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 9:32:46 AM

Quant Time: Feb 07 23:35:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	170962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	268927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	248327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	116071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	107216	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
35) Dibromofluoromethane	7.57	113	86962	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
50) Toluene-d8	10.08	98	323850	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.40	95	117830	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31005	15.016	ug/l	97
3) Chloromethane	2.04	50	32630	16.671	ug/l	99
4) Vinyl Chloride	2.17	62	42333	18.903	ug/l	95
5) Bromomethane	2.55	94	26018	19.037	ug/l	97
6) Chloroethane	2.69	64	19716	18.609	ug/l	98
7) Trichlorofluoromethane	3.00	101	51031	18.974	ug/l	99
8) Diethyl Ether	3.39	74	19402	20.556	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	30428	20.328	ug/l	94
10) Methyl Iodide	3.93	142	38287	15.824	ug/l	96
11) Tert butyl alcohol	4.72	59	33461	104.691	ug/l	98
12) 1,1-Dichloroethene	3.72	96	27962	17.877	ug/l	91
13) Acrolein	3.58	56	11648	51.483	ug/l	99
14) Allyl chloride	4.30	41	41357	19.617	ug/l #	84
15) Acrylonitrile	4.94	53	80633	110.597	ug/l	100
16) Acetone	3.78	43	91892	137.398	ug/l	96
17) Carbon Disulfide	4.03	76	66036	14.821	ug/l	98
18) Methyl Acetate	4.29	43	51337	23.149	ug/l	94
19) Methyl tert-butyl Ether	5.00	73	110579	21.683	ug/l	97
20) Methylene Chloride	4.52	84	33955	18.964	ug/l	91
21) trans-1,2-Dichloroethene	5.01	96	30270	18.206	ug/l	87
22) Diisopropyl ether	5.91	45	103859	21.738	ug/l	92
23) Vinyl Acetate	5.86	43	372044	100.577	ug/l #	94
24) 1,1-Dichloroethane	5.82	63	60217	20.627	ug/l	96
25) 2-Butanone	6.80	43	117342	109.140	ug/l	90
26) 2,2-Dichloropropane	6.80	77	56321	20.068	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	38446	20.104	ug/l	89
28) Bromochloromethane	7.17	49	24361	20.879	ug/l #	82
29) Tetrahydrofuran	7.18	42	69016	103.749	ug/l	88
30) Chloroform	7.35	83	64970	21.480	ug/l	98
31) Cyclohexane	7.63	56	50498	17.977	ug/l #	87
32) 1,1,1-Trichloroethane	7.55	97	56984	20.375	ug/l	97
36) 1,1-Dichloropropene	7.77	75	43790	18.698	ug/l	96
37) Ethyl Acetate	6.90	43	46558	21.196	ug/l	97
38) Carbon Tetrachloride	7.75	117	50063	19.652	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	52673	18.241	ug/l	94
40) Benzene	8.02	78	136360	19.523	ug/l	99
41) Methacrylonitrile	7.15	41	17510m	16.184	ug/l	
42) 1,2-Dichloroethane	8.10	62	51686	21.826	ug/l	98
43) Isopropyl Acetate	8.14	43	79516	21.047	ug/l	97
44) Trichloroethene	8.82	130	38287	20.080	ug/l	94
45) 1,2-Dichloropropane	9.10	63	36762	21.271	ug/l	100
46) Dibromomethane	9.19	93	25742	21.115	ug/l	93
47) Bromodichloromethane	9.39	83	52229	21.259	ug/l	99
48) Methyl methacrylate	9.18	41	33871	20.043	ug/l	91
49) 1,4-Dioxane	9.18	88	13375	432.337	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	231873	106.169	ug/l	96
52) Toluene	10.14	92	88504	20.061	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	58389	21.285	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	60686	21.025	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	38034	21.767	ug/l	98
56) Ethyl methacrylate	10.42	69	53311	19.968	ug/l	94
57) 1,3-Dichloropropane	10.70	76	61264	22.085	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	84556	105.147	ug/l	92
59) 2-Hexanone	10.74	43	174151	108.238	ug/l	94
60) Dibromochloromethane	10.89	129	42822	21.521	ug/l	98
61) 1,2-Dibromoethane	11.00	107	38546	21.048	ug/l	98
64) Tetrachloroethene	10.62	164	45005	22.237	ug/l	97
65) Chlorobenzene	11.43	112	98372	20.154	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	39074	20.718	ug/l	99
67) Ethyl Benzene	11.51	91	173713	19.605	ug/l	98
68) m/p-Xylenes	11.62	106	128205	38.305	ug/l	95
69) o-Xylene	11.94	106	63189	19.284	ug/l	96
70) Styrene	11.96	104	101243	18.465	ug/l	98
71) Bromoform	12.12	173	31103	20.588	ug/l #	98
73) Isopropylbenzene	12.25	105	171239	20.116	ug/l	100
74) N-amyl acetate	12.07	43	64660	19.575	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	52916	21.443	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	46909m	24.015	ug/l	
77) Bromobenzene	12.52	156	42988	19.941	ug/l	88
78) n-propylbenzene	12.59	91	191866	20.081	ug/l	98
79) 2-Chlorotoluene	12.67	91	113712	20.006	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	142868	19.956	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	18678	20.534	ug/l	97
82) 4-Chlorotoluene	12.77	91	118745	20.828	ug/l	98
83) tert-Butylbenzene	12.99	119	124169	20.054	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	144024	20.335	ug/l	100
85) sec-Butylbenzene	13.17	105	165439	20.337	ug/l	100
86) p-Isopropyltoluene	13.29	119	153165	20.348	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	75437	20.146	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	75013	20.081	ug/l	98
89) n-Butylbenzene	13.61	91	129538	20.183	ug/l	98
90) Hexachloroethane	13.87	117	28131	19.975	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	75827	20.483	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11314	20.111	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	44541	20.024	ug/l	98
94) Hexachlorobutadiene	15.01	225	25685	20.954	ug/l	98
95) Naphthalene	15.13	128	127896	20.214	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45502	21.015	ug/l	99

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

