

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021120\
 Data File : VN060056.D
 Acq On : 11 Feb 2020 11:40
 Operator : JC/MD
 Sample : VN0211WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:03:09 PM

Quant Time: Feb 12 04:32:28 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	167149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	264661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	243104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	115147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	100615	54.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.40%	
35) Dibromofluoromethane	7.56	113	80401	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
50) Toluene-d8	10.08	98	298946	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.40	95	110842	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	29521	14.610	ug/l	99
3) Chloromethane	2.04	50	30892	16.143	ug/l	99
4) Vinyl Chloride	2.17	62	40958	18.706	ug/l	99
5) Bromomethane	2.55	94	24525	18.354	ug/l	99
6) Chloroethane	2.69	64	19031	18.372	ug/l	96
7) Trichlorofluoromethane	3.00	101	48620	18.490	ug/l	99
8) Diethyl Ether	3.38	74	19507	21.139	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	28817	19.691	ug/l	93
10) Methyl Iodide	3.93	142	36165	15.288	ug/l	96
11) Tert butyl alcohol	4.73	59	32968	105.502	ug/l	100
12) 1,1-Dichloroethene	3.72	96	27449	17.950	ug/l	84
13) Acrolein	3.58	56	18432	83.326	ug/l	99
14) Allyl chloride	4.29	41	41400	20.085	ug/l #	87
15) Acrylonitrile	4.94	53	78521	110.157	ug/l	99
16) Acetone	3.78	43	82440	125.218	ug/l	97
17) Carbon Disulfide	4.03	76	60929	13.986	ug/l	100
18) Methyl Acetate	4.29	43	49272	22.725	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	109611	21.984	ug/l	96
20) Methylene Chloride	4.52	84	33134	18.926	ug/l	93
21) trans-1,2-Dichloroethene	5.01	96	30226	18.594	ug/l	91
22) Diisopropyl ether	5.91	45	102064	21.850	ug/l	91
23) Vinyl Acetate	5.86	43	379370	104.897	ug/l	95
24) 1,1-Dichloroethane	5.82	63	58881	20.630	ug/l	98
25) 2-Butanone	6.80	43	111555	106.124	ug/l	94
26) 2,2-Dichloropropane	6.80	77	55806	20.338	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	38248	20.457	ug/l	91
28) Bromochloromethane	7.17	49	25370	22.239	ug/l #	79
29) Tetrahydrofuran	7.18	42	69377	106.671	ug/l	90
30) Chloroform	7.34	83	64062	21.662	ug/l	98
31) Cyclohexane	7.63	56	47601	17.332	ug/l #	89
32) 1,1,1-Trichloroethane	7.54	97	55891	20.441	ug/l	97
36) 1,1-Dichloropropene	7.77	75	42571	18.471	ug/l	97
37) Ethyl Acetate	6.90	43	45299	20.956	ug/l	98
38) Carbon Tetrachloride	7.75	117	48540	19.361	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	50281	17.693	ug/l	93
40) Benzene	8.02	78	130542	18.992	ug/l	100
41) Methacrylonitrile	7.14	41	16412	15.414	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	50246	21.560	ug/l	96
43) Isopropyl Acetate	8.14	43	76179	20.488	ug/l #	96
44) Trichloroethene	8.82	130	36781	19.602	ug/l	97
45) 1,2-Dichloropropane	9.10	63	36316	21.351	ug/l	99
46) Dibromomethane	9.19	93	25228	21.027	ug/l	94
47) Bromodichloromethane	9.39	83	51970	21.494	ug/l	99
48) Methyl methacrylate	9.18	41	32775	19.707	ug/l	92
49) 1,4-Dioxane	9.18	88	13486	442.951	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	228561	106.339	ug/l	97
52) Toluene	10.14	92	86286	19.874	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	57437	21.275	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	60144	21.173	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	37299	21.691	ug/l	99
56) Ethyl methacrylate	10.42	69	51956	19.774	ug/l	94
57) 1,3-Dichloropropane	10.70	76	59794	21.902	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	93855	118.592	ug/l	94
59) 2-Hexanone	10.74	43	170159	107.462	ug/l	97
60) Dibromochloromethane	10.89	129	41078	20.978	ug/l	99
61) 1,2-Dibromoethane	10.99	107	37529	20.823	ug/l	99
64) Tetrachloroethene	10.62	164	39274	19.822	ug/l	96
65) Chlorobenzene	11.43	112	95811	20.051	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	38547	20.878	ug/l	99
67) Ethyl Benzene	11.50	91	168694	19.448	ug/l	99
68) m/p-Xylenes	11.62	106	126000	38.455	ug/l	96
69) o-Xylene	11.94	106	61941	19.310	ug/l	97
70) Styrene	11.96	104	99532	18.543	ug/l	98
71) Bromoform	12.12	173	30217	20.432	ug/l #	99
73) Isopropylbenzene	12.25	105	167619	19.849	ug/l	100
74) N-amyl acetate	12.07	43	64811	19.778	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	52722	21.535	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	47770m	24.652	ug/l	
77) Bromobenzene	12.52	156	43388	20.288	ug/l	85
78) n-propylbenzene	12.59	91	188249	19.861	ug/l	99
79) 2-Chlorotoluene	12.67	91	113742	20.172	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	139499	19.642	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18221	20.193	ug/l	96
82) 4-Chlorotoluene	12.77	91	115165	20.363	ug/l	97
83) tert-Butylbenzene	12.99	119	120877	19.679	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	142948	20.345	ug/l	99
85) sec-Butylbenzene	13.17	105	163503	20.260	ug/l	100
86) p-Isopropyltoluene	13.28	119	147518	19.755	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	74156	19.962	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	75574	20.393	ug/l	98
89) n-Butylbenzene	13.61	91	128748	20.221	ug/l	99
90) Hexachloroethane	13.87	117	27855	19.937	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	74264	20.222	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11303	20.269	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45625	20.675	ug/l	99
94) Hexachlorobutadiene	15.01	225	24966	20.530	ug/l	99
95) Naphthalene	15.13	128	127641	20.336	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45772	21.310	ug/l	99

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

