

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021120\
 Data File : VN060055.D
 Acq On : 11 Feb 2020 11:05
 Operator : JC/MD
 Sample : VN0211WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0211WBS01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:03:04 PM

Quant Time: Feb 12 04:30:58 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	178927	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	278981	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	254527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	123392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	108826	54.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.54%	
35) Dibromofluoromethane	7.57	113	89750	53.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.90%	
50) Toluene-d8	10.08	98	330540	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.40	95	123920	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	33552	15.545	ug/l	99
3) Chloromethane	2.04	50	35128	17.148	ug/l	99
4) Vinyl Chloride	2.17	62	45941	19.601	ug/l	98
5) Bromomethane	2.55	94	27433	19.179	ug/l	98
6) Chloroethane	2.69	64	21436	19.331	ug/l	98
7) Trichlorofluoromethane	3.00	101	55813	19.828	ug/l	100
8) Diethyl Ether	3.38	74	21016	21.275	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33352	21.289	ug/l	93
10) Methyl Iodide	3.93	142	39039	15.417	ug/l	97
11) Tert butyl alcohol	4.73	59	33874	101.266	ug/l	97
12) 1,1-Dichloroethene	3.72	96	30631	18.712	ug/l	89
13) Acrolein	3.58	56	19925	84.146	ug/l	97
14) Allyl chloride	4.30	41	50031	22.675	ug/l	94
15) Acrylonitrile	4.95	53	83748	109.756	ug/l	98
16) Acetone	3.78	43	86943	123.211	ug/l	96
17) Carbon Disulfide	4.03	76	68237	14.633	ug/l	97
18) Methyl Acetate	4.29	43	52380	22.568	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	117674	22.047	ug/l	94
20) Methylene Chloride	4.52	84	37077	19.844	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	33493	19.248	ug/l	85
22) Diisopropyl ether	5.91	45	110869	22.173	ug/l #	89
23) Vinyl Acetate	5.86	43	414298	107.014	ug/l	96
24) 1,1-Dichloroethane	5.81	63	65931	21.579	ug/l	99
25) 2-Butanone	6.80	43	116572	103.597	ug/l	92
26) 2,2-Dichloropropane	6.80	77	62530	21.288	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	42241	21.105	ug/l	90
28) Bromochloromethane	7.17	49	27523	22.539	ug/l #	77
29) Tetrahydrofuran	7.18	42	72762	104.512	ug/l	91
30) Chloroform	7.35	83	71267	22.513	ug/l	96
31) Cyclohexane	7.63	56	53162	18.083	ug/l #	85
32) 1,1,1-Trichloroethane	7.55	97	63029	21.534	ug/l	96
36) 1,1-Dichloropropene	7.77	75	47691	19.630	ug/l	96
37) Ethyl Acetate	6.89	43	46455	20.387	ug/l	96
38) Carbon Tetrachloride	7.75	117	54221	20.517	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	56490	18.858	ug/l	93
40) Benzene	8.02	78	147797	20.398	ug/l	99
41) Methacrylonitrile	7.14	41	19209m	17.115	ug/l	
42) 1,2-Dichloroethane	8.10	62	55023	22.398	ug/l	99
43) Isopropyl Acetate	8.14	43	82752	21.114	ug/l	92
44) Trichloroethene	8.82	130	40987	20.722	ug/l	97
45) 1,2-Dichloropropane	9.10	63	39975	22.296	ug/l	99
46) Dibromomethane	9.19	93	27854	22.024	ug/l	94
47) Bromodichloromethane	9.39	83	57010	22.369	ug/l	96
48) Methyl methacrylate	9.18	41	35166	20.059	ug/l	91
49) 1,4-Dioxane	9.18	88	13743	428.223	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	243440	107.448	ug/l	97
52) Toluene	10.14	92	95419	20.849	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	62647	22.014	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	65399	21.841	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	40311	22.239	ug/l	98
56) Ethyl methacrylate	10.42	69	55641	20.089	ug/l	94
57) 1,3-Dichloropropane	10.70	76	64566	22.436	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	105425	126.373	ug/l	93
59) 2-Hexanone	10.74	43	177649	106.433	ug/l	95
60) Dibromochloromethane	10.89	129	45852	22.214	ug/l	100
61) 1,2-Dibromoethane	10.99	107	41070	21.618	ug/l	98
64) Tetrachloroethene	10.62	164	41207	19.864	ug/l	96
65) Chlorobenzene	11.43	112	105411	21.070	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	42178	21.819	ug/l	97
67) Ethyl Benzene	11.51	91	187556	20.652	ug/l	97
68) m/p-Xylenes	11.62	106	139882	40.776	ug/l	96
69) o-Xylene	11.94	106	67725	20.165	ug/l	100
70) Styrene	11.96	104	108356	19.281	ug/l	97
71) Bromoform	12.12	173	32719	21.130	ug/l #	96
73) Isopropylbenzene	12.25	105	189382	20.927	ug/l	99
74) N-amyl acetate	12.07	43	68480	19.502	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	56502	21.537	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	48607m	23.407	ug/l	
77) Bromobenzene	12.52	156	46672	20.366	ug/l	86
78) n-propylbenzene	12.59	91	210577	20.732	ug/l	98
79) 2-Chlorotoluene	12.67	91	125394	20.752	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	157874	20.744	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	19479	20.144	ug/l	94
82) 4-Chlorotoluene	12.77	91	127330	21.009	ug/l	97
83) tert-Butylbenzene	12.99	119	139687	21.222	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	154998	20.586	ug/l	98
85) sec-Butylbenzene	13.17	105	184204	21.300	ug/l	100
86) p-Isopropyltoluene	13.29	119	165220	20.647	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	82050	20.612	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	81996	20.648	ug/l	98
89) n-Butylbenzene	13.61	91	142651	20.908	ug/l	99
90) Hexachloroethane	13.87	117	31260	20.879	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	81727	20.767	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11808	19.704	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47773	20.202	ug/l	97
94) Hexachlorobutadiene	15.01	225	27971	21.465	ug/l	99
95) Naphthalene	15.13	128	129077	19.190	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47887	20.805	ug/l	99

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

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