

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042020\
 Data File : VN061120.D
 Acq On : 20 Apr 2020 23:24
 Operator : JC/MD
 Sample : VN0420WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0420WBS02

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:02:50 PM

Quant Time: Apr 21 06:50:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	144304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	248618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	223790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	102193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	94587	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	7.56	113	73149	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.08	98	259231	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
62) 4-Bromofluorobenzene	12.39	95	101698	47.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35923	19.062	ug/l	98
3) Chloromethane	2.04	50	47191	18.438	ug/l	99
4) Vinyl Chloride	2.17	62	41418	19.473	ug/l	98
5) Bromomethane	2.55	94	21262	19.934	ug/l	98
6) Chloroethane	2.69	64	23972	19.539	ug/l	97
7) Trichlorofluoromethane	3.00	101	52935	19.991	ug/l	99
8) Diethyl Ether	3.38	74	20231	19.224	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	29129	18.750	ug/l	100
10) Methyl Iodide	3.93	142	27163	19.819	ug/l	98
11) Tert butyl alcohol	4.72	59	34685	105.883	ug/l	99
12) 1,1-Dichloroethene	3.72	96	30964	19.608	ug/l	98
13) Acrolein	3.58	56	19323	69.862	ug/l	97
14) Allyl chloride	4.29	41	55483	18.569	ug/l	98
15) Acrylonitrile	4.94	53	91799	103.355	ug/l	98
16) Acetone	3.78	43	76520	94.162	ug/l	98
17) Carbon Disulfide	4.03	76	91380	18.493	ug/l	99
18) Methyl Acetate	4.29	43	54450	21.368	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	108995	19.795	ug/l	99
20) Methylene Chloride	4.52	84	35173	19.824	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	32766	19.400	ug/l	95
22) Diisopropyl ether	5.91	45	122927	19.810	ug/l	94
23) Vinyl Acetate	5.86	43	471784	96.952	ug/l	100
24) 1,1-Dichloroethane	5.82	63	65891	19.660	ug/l	99
25) 2-Butanone	6.80	43	124798	100.218	ug/l	98
26) 2,2-Dichloropropane	6.79	77	49102	17.596	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	38743	19.980	ug/l	96
28) Bromochloromethane	7.17	49	31633	20.562	ug/l	99
29) Tetrahydrofuran	7.18	42	86572	102.404	ug/l	99
30) Chloroform	7.34	83	62460	19.980	ug/l	99
31) Cyclohexane	7.63	56	62725	18.238	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	54779	20.259	ug/l	100
36) 1,1-Dichloropropene	7.77	75	48291	18.823	ug/l	99
37) Ethyl Acetate	6.89	43	54268	19.481	ug/l	99
38) Carbon Tetrachloride	7.75	117	41724	19.539	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	53963	17.594	ug/l	96
40) Benzene	8.02	78	145821	19.159	ug/l	100
41) Methacrylonitrile	7.15	41	24284m	20.900	ug/l	
42) 1,2-Dichloroethane	8.10	62	51130	19.720	ug/l	99
43) Isopropyl Acetate	8.14	43	88177	19.462	ug/l	100
44) Trichloroethene	8.81	130	36176	18.916	ug/l	98
45) 1,2-Dichloropropane	9.10	63	39401	19.166	ug/l	100
46) Dibromomethane	9.19	93	23875	20.143	ug/l	98
47) Bromodichloromethane	9.38	83	48819	19.497	ug/l	98
48) Methyl methacrylate	9.18	41	38783	19.370	ug/l	98
49) 1,4-Dioxane	9.18	88	11174	410.147	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	262340	100.445	ug/l	100
52) Toluene	10.14	92	86746	18.998	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	54666	18.795	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	59044	18.606	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	34077	19.722	ug/l	97
56) Ethyl methacrylate	10.42	69	51817	19.071	ug/l	97
57) 1,3-Dichloropropane	10.70	76	60212	19.536	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	111494	90.304	ug/l	99
59) 2-Hexanone	10.74	43	187066	99.315	ug/l	99
60) Dibromochloromethane	10.89	129	34915	19.671	ug/l	99
61) 1,2-Dibromoethane	10.99	107	34466	19.575	ug/l	99
64) Tetrachloroethene	10.62	164	33805	19.741	ug/l	97
65) Chlorobenzene	11.42	112	87824	19.010	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	31699	19.179	ug/l	98
67) Ethyl Benzene	11.50	91	163234	18.784	ug/l	100
68) m/p-Xylenes	11.61	106	119473	38.041	ug/l	100
69) o-Xylene	11.94	106	57707	19.111	ug/l	100
70) Styrene	11.96	104	92454	19.018	ug/l	100
71) Bromoform	12.12	173	24246	19.652	ug/l #	99
73) Isopropylbenzene	12.24	105	156303	19.091	ug/l	100
74) N-amyl acetate	12.06	43	69901	18.360	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	49586	19.841	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	47248m	21.019	ug/l	
77) Bromobenzene	12.52	156	37107	19.412	ug/l	97
78) n-propylbenzene	12.59	91	181459	18.944	ug/l	100
79) 2-Chlorotoluene	12.67	91	106964	19.040	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	130165	19.234	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	15610	17.129	ug/l	97
82) 4-Chlorotoluene	12.77	91	110914	19.036	ug/l	100
83) tert-Butylbenzene	12.99	119	108732	19.105	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	127241	19.022	ug/l	100
85) sec-Butylbenzene	13.17	105	146100	18.946	ug/l	99
86) p-Isopropyltoluene	13.28	119	129770	18.899	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	65071	19.101	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	64605	18.851	ug/l	99
89) n-Butylbenzene	13.61	91	116017	18.169	ug/l	99
90) Hexachloroethane	13.87	117	20171	19.147	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	62537	19.234	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	9819	20.301	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	36441	18.936	ug/l	98
94) Hexachlorobutadiene	15.01	225	18330	18.515	ug/l	100
95) Naphthalene	15.13	128	107641	19.179	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	35954	19.386	ug/l	100

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

