

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060664.D
 Acq On : 24 Mar 2020 12:01
 Operator : JC/MD
 Sample : VN0324WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0324WBS01

Manual Integrations
 APPROVED

MMDadoda
 3/25/2020 10:20:14 PM

Quant Time: Mar 25 08:57:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201354	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	330779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139358	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	135107	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	
35) Dibromofluoromethane	7.56	113	99748	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
50) Toluene-d8	10.08	98	405832	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	12.39	95	145541	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	39266	20.154	ug/l	100
3) Chloromethane	2.04	50	65665	18.046	ug/l	99
4) Vinyl Chloride	2.16	62	53459	18.783	ug/l	100
5) Bromomethane	2.55	94	25441	20.707	ug/l	99
6) Chloroethane	2.68	64	31981	19.507	ug/l	99
7) Trichlorofluoromethane	3.00	101	68846	19.637	ug/l	99
8) Diethyl Ether	3.38	74	28269	20.072	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	40781	20.074	ug/l	98
10) Methyl Iodide	3.92	142	35814	19.812	ug/l	100
11) Tert butyl alcohol	4.72	59	41253	101.479	ug/l	99
12) 1,1-Dichloroethene	3.71	96	42281	19.395	ug/l	96
13) Acrolein	3.57	56	49478	109.819	ug/l	99
14) Allyl chloride	4.29	41	73050	19.052	ug/l	99
15) Acrylonitrile	4.94	53	115619	96.720	ug/l	99
16) Acetone	3.77	43	119860	122.417	ug/l	97
17) Carbon Disulfide	4.03	76	126068	19.014	ug/l	99
18) Methyl Acetate	4.28	43	54739	19.862	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	143933	19.203	ug/l	99
20) Methylene Chloride	4.52	84	46676	19.379	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	45451	19.562	ug/l	98
22) Diisopropyl ether	5.91	45	163029	20.126	ug/l	98
23) Vinyl Acetate	5.85	43	654196	98.981	ug/l	99
24) 1,1-Dichloroethane	5.81	63	87091	19.722	ug/l	99
25) 2-Butanone	6.79	43	162613	102.636	ug/l	99
26) 2,2-Dichloropropane	6.79	77	75046	21.599	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	52080	19.725	ug/l	100
28) Bromochloromethane	7.17	49	42194	19.971	ug/l	100
29) Tetrahydrofuran	7.18	42	106478	94.984	ug/l	99
30) Chloroform	7.34	83	83164	19.645	ug/l	100
31) Cyclohexane	7.63	56	85697	19.249	ug/l	95
32) 1,1,1-Trichloroethane	7.54	97	72031	19.737	ug/l	99
36) 1,1-Dichloropropene	7.77	75	64632	20.179	ug/l	99
37) Ethyl Acetate	6.89	43	65046	18.795	ug/l	98
38) Carbon Tetrachloride	7.75	117	56097	19.541	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	76960	20.219	ug/l	98
40) Benzene	8.02	78	194920	20.159	ug/l	100
41) Methacrylonitrile	7.14	41	29072m	19.683	ug/l	
42) 1,2-Dichloroethane	8.10	62	67273	20.359	ug/l	100
43) Isopropyl Acetate	8.14	43	112218	19.661	ug/l	99
44) Trichloroethene	8.81	130	50350	20.657	ug/l	99
45) 1,2-Dichloropropane	9.10	63	51428	20.157	ug/l	98
46) Dibromomethane	9.19	93	31342	20.320	ug/l	98
47) Bromodichloromethane	9.38	83	63244	19.732	ug/l	99
48) Methyl methacrylate	9.18	41	48081	18.921	ug/l	99
49) 1,4-Dioxane	9.18	88	15502	513.222	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	322041	99.153	ug/l	99
52) Toluene	10.14	92	116413	19.936	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	74740	20.300	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	82789	20.497	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	44266	19.704	ug/l	98
56) Ethyl methacrylate	10.42	69	67160	19.173	ug/l	97
57) 1,3-Dichloropropane	10.70	76	79310	20.344	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	174723	100.361	ug/l	99
59) 2-Hexanone	10.74	43	234809	100.361	ug/l	99
60) Dibromochloromethane	10.89	129	45860	19.763	ug/l	99
61) 1,2-Dibromoethane	10.99	107	44687	19.782	ug/l	99
64) Tetrachloroethene	10.62	164	48607	20.620	ug/l	98
65) Chlorobenzene	11.42	112	118889	20.020	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	42657	19.840	ug/l	99
67) Ethyl Benzene	11.50	91	224509	20.330	ug/l	98
68) m/p-Xylenes	11.61	106	163600	39.866	ug/l	99
69) o-Xylene	11.94	106	80070	20.439	ug/l	100
70) Styrene	11.96	104	126159	19.690	ug/l	100
71) Bromoform	12.12	173	31523	18.728	ug/l #	98
73) Isopropylbenzene	12.24	105	211036	20.179	ug/l	100
74) N-amyl acetate	12.06	43	92440	19.128	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	61732	19.519	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	56211m	18.693	ug/l	
77) Bromobenzene	12.52	156	49604	19.684	ug/l	99
78) n-propylbenzene	12.59	91	248716	20.130	ug/l	100
79) 2-Chlorotoluene	12.67	91	145377	19.692	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	178499	20.112	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	23037	19.676	ug/l	98
82) 4-Chlorotoluene	12.77	91	151711	20.177	ug/l	99
83) tert-Butylbenzene	12.99	119	147408	20.036	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	177285	20.191	ug/l	100
85) sec-Butylbenzene	13.17	105	197285	19.941	ug/l	99
86) p-Isopropyltoluene	13.28	119	178182	20.029	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	89853	20.216	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	87482	19.591	ug/l	98
89) n-Butylbenzene	13.61	91	161282	20.080	ug/l	100
90) Hexachloroethane	13.87	117	23456	18.139	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	85804	20.189	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12254	18.329	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	52126	19.973	ug/l	100
94) Hexachlorobutadiene	15.01	225	26170	20.455	ug/l	98
95) Naphthalene	15.13	128	153015	19.492	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	50342	19.583	ug/l	99

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

