

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063263.D
 Acq On : 5 Sep 2020 2:48
 Operator : JC/MD
 Sample : VN0904WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 1:32:44 PM

Quant Time: Sep 08 05:43:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	250151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	513062	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	470818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	197988	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	225019	55.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.06%	
35) Dibromofluoromethane	7.55	113	163223	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
50) Toluene-d8	10.06	98	569867	44.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.96%	
62) 4-Bromofluorobenzene	12.38	95	190991	43.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.20%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	31251	12.685	ug/l	99
3) Chloromethane	2.04	50	67344	18.773	ug/l	99
4) Vinyl Chloride	2.17	62	65502	16.530	ug/l	99
5) Bromomethane	2.54	94	75114	22.519	ug/l	97
6) Chloroethane	2.68	64	67732	21.498	ug/l	95
7) Trichlorofluoromethane	2.98	101	92968	14.245	ug/l	97
8) Diethyl Ether	3.37	74	41424	21.848	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	42693	15.851	ug/l	96
10) Methyl Iodide	3.91	142	67876	18.477	ug/l	99
11) Tert butyl alcohol	4.72	59	55008	109.588	ug/l #	93
12) 1,1-Dichloroethene	3.70	96	47035	17.138	ug/l	95
13) Acrolein	3.57	56	10739	68.420	ug/l	97
14) Allyl chloride	4.28	41	82197	16.863	ug/l #	86
15) Acrylonitrile	4.93	53	155928	112.237	ug/l	98
16) Acetone	3.78	43	133847	115.142	ug/l	99
17) Carbon Disulfide	4.01	76	124532	15.244	ug/l	99
18) Methyl Acetate	4.28	43	74008	24.830	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	219880	21.596	ug/l	97
20) Methylene Chloride	4.50	84	72578	21.928	ug/l #	93
21) trans-1,2-Dichloroethene	4.99	96	58072	19.152	ug/l	94
22) Diisopropyl ether	5.90	45	234440	21.463	ug/l	99
23) Vinyl Acetate	5.84	43	939805	107.830	ug/l	99
24) 1,1-Dichloroethane	5.80	63	123193m	20.459	ug/l	
25) 2-Butanone	6.78	43	210439	116.914	ug/l	93
26) 2,2-Dichloropropane	6.78	77	67655	12.401	ug/l	96
27) cis-1,2-Dichloroethene	6.78	96	76079	20.642	ug/l	93
28) Bromochloromethane	7.15	49	65747	20.899	ug/l	97
29) Tetrahydrofuran	7.17	42	138030	110.905	ug/l	96
30) Chloroform	7.33	83	132924	21.099	ug/l	96
31) Cyclohexane	7.61	56	74774	12.786	ug/l #	94
32) 1,1,1-Trichloroethane	7.53	97	99141	18.262	ug/l	98
36) 1,1-Dichloropropene	7.75	75	78352	15.885	ug/l	99
37) Ethyl Acetate	6.88	43	98356	21.338	ug/l #	99
38) Carbon Tetrachloride	7.73	117	74261	14.846	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	62388	11.259	ug/l	96
40) Benzene	8.00	78	279662	19.295	ug/l	98
41) Methacrylonitrile	7.12	41	35538m	17.103	ug/l	
42) 1,2-Dichloroethane	8.08	62	114682	21.182	ug/l	100
43) Isopropyl Acetate	8.13	43	161260	20.048	ug/l	98
44) Trichloroethene	8.80	130	67685	19.252	ug/l	95
45) 1,2-Dichloropropane	9.08	63	73859	19.246	ug/l	97
46) Dibromomethane	9.17	93	53688	21.111	ug/l	98
47) Bromodichloromethane	9.37	83	108037	19.819	ug/l	98
48) Methyl methacrylate	9.17	41	76382	21.064	ug/l	98
49) 1,4-Dioxane	9.17	88	24818	442.494	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	494061	113.029	ug/l	100
52) Toluene	10.13	92	170681	18.904	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	106769	17.906	ug/l	93
54) cis-1,3-Dichloropropene	9.81	75	113090	18.068	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	74610	21.577	ug/l	98
56) Ethyl methacrylate	10.40	69	106474	20.233	ug/l	97
57) 1,3-Dichloropropane	10.68	76	129728	21.060	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	257591	94.528	ug/l	100
59) 2-Hexanone	10.72	43	346060	112.652	ug/l	99
60) Dibromochloromethane	10.87	129	77181	20.189	ug/l	96
61) 1,2-Dibromoethane	10.98	107	76183	21.194	ug/l	97
64) Tetrachloroethene	10.60	164	61319	18.137	ug/l	99
65) Chlorobenzene	11.41	112	177954	18.766	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	68819	19.547	ug/l	99
67) Ethyl Benzene	11.49	91	297917	17.221	ug/l	100
68) m/p-Xylenes	11.59	106	218988	34.179	ug/l	98
69) o-Xylene	11.92	106	113149	18.281	ug/l	99
70) Styrene	11.94	104	188225	17.695	ug/l	99
71) Bromoform	12.10	173	46158	19.318	ug/l #	99
73) Isopropylbenzene	12.23	105	262366	17.277	ug/l	100
74) N-amyl acetate	12.05	43	130729	20.784	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	101488	23.181	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	84425m	21.703	ug/l	
77) Bromobenzene	12.50	156	71848	20.920	ug/l	95
78) n-propylbenzene	12.57	91	294985	16.787	ug/l	99
79) 2-Chlorotoluene	12.65	91	191307	18.177	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	216477	17.127	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	26111	16.223	ug/l	90
82) 4-Chlorotoluene	12.75	91	191115	17.509	ug/l	97
83) tert-Butylbenzene	12.97	119	170309	15.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	225218	17.677	ug/l	98
85) sec-Butylbenzene	13.15	105	216272	15.308	ug/l	99
86) p-Isopropyltoluene	13.26	119	192296	15.331	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	119558	18.950	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	121778	18.641	ug/l	99
89) n-Butylbenzene	13.59	91	157643	13.604	ug/l	100
90) Hexachloroethane	13.85	117	32183	13.861	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	120713	19.717	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	17965	18.665	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	57373	16.773	ug/l	98
94) Hexachlorobutadiene	14.99	225	17001	13.305	ug/l	98
95) Naphthalene	15.11	128	226117	19.814	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	56254	16.881	ug/l	98

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

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