

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058307.D
 Acq On : 23 Sep 2019 21:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:36 AM

Quant Time: Sep 24 05:55:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	446389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	752543	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	694551	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	342195	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	325927	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	7.58	113	233893	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
50) Toluene-d8	10.08	98	909863	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.41	95	336815	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	156763	42.750	ug/l	100
3) Chloromethane	2.04	50	138794	49.085	ug/l	99
4) Vinyl Chloride	2.17	62	154620	50.025	ug/l	96
5) Bromomethane	2.54	94	86411	52.772	ug/l	93
6) Chloroethane	2.68	64	105823	53.573	ug/l	99
7) Trichlorofluoromethane	3.00	101	232724	46.496	ug/l	97
8) Diethyl Ether	3.39	74	108512	47.315	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.74	101	168332	46.646	ug/l	99
10) Methyl Iodide	3.93	142	153396	50.728	ug/l	99
11) Tert butyl alcohol	4.76	59	216015	292.083	ug/l	99
12) 1,1-Dichloroethene	3.72	96	135885	49.615	ug/l	96
13) Acrolein	3.59	56	47795	436.082	ug/l	95
14) Allyl chloride	4.30	41	247927	41.985	ug/l	88
15) Acrylonitrile	4.96	53	581368	295.049	ug/l	100
16) Acetone	3.80	43	504093	238.860	ug/l	97
17) Carbon Disulfide	4.03	76	161827	42.023	ug/l	98
18) Methyl Acetate	4.30	43	309627	55.757	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	719123	52.834	ug/l	98
20) Methylene Chloride	4.53	84	194155	52.558	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	145717	48.819	ug/l	98
22) Diisopropyl ether	5.93	45	792565	52.837	ug/l	97
23) Vinyl Acetate	5.87	43	2909766	283.494	ug/l	100
24) 1,1-Dichloroethane	5.83	63	407733	50.929	ug/l	100
25) 2-Butanone	6.81	43	803082	279.315	ug/l	100
26) 2,2-Dichloropropane	6.81	77	291433	42.909	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	223710	49.419	ug/l	99
28) Bromochloromethane	7.18	49	199019	52.550	ug/l #	98
29) Tetrahydrofuran	7.19	42	505290	285.308	ug/l	99
30) Chloroform	7.36	83	445034	51.643	ug/l	97
31) Cyclohexane	7.64	56	249282	48.078	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	338889	51.657	ug/l	98
36) 1,1-Dichloropropene	7.78	75	246916	45.498	ug/l	99
37) Ethyl Acetate	6.91	43	325522	57.799	ug/l	100
38) Carbon Tetrachloride	7.76	117	267036	48.950	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	242348	46.192	ug/l	96
40) Benzene	8.03	78	822122	49.598	ug/l	99
41) Methacrylonitrile	7.16	41	140699m	49.597	ug/l	
42) 1,2-Dichloroethane	8.11	62	360480	51.828	ug/l	100
43) Isopropyl Acetate	8.15	43	559368	53.180	ug/l #	92
44) Trichloroethene	8.83	130	199477	49.177	ug/l	98
45) 1,2-Dichloropropane	9.11	63	260639	52.653	ug/l	99
46) Dibromomethane	9.20	93	155437	51.647	ug/l	99
47) Bromodichloromethane	9.40	83	339042	53.773	ug/l	99
48) Methyl methacrylate	9.19	41	270396	56.618	ug/l	100
49) 1,4-Dioxane	9.19	88	95952	1223.735	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1806835	323.407	ug/l	99
52) Toluene	10.15	92	520977	50.151	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	353169	54.682	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	368936	51.739	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	252150	54.696	ug/l	98
56) Ethyl methacrylate	10.43	69	376367	56.584	ug/l	99
57) 1,3-Dichloropropane	10.71	76	429689	54.218	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	915811	289.056	ug/l	100
59) 2-Hexanone	10.75	43	1302575	313.925	ug/l	98
60) Dibromochloromethane	10.90	129	249047	56.154	ug/l	100
61) 1,2-Dibromoethane	11.01	107	234725	54.941	ug/l	100
64) Tetrachloroethene	10.63	164	161638	47.740	ug/l	99
65) Chlorobenzene	11.44	112	613697	50.234	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	237881	53.700	ug/l	98
67) Ethyl Benzene	11.51	91	1096180	52.366	ug/l	100
68) m/p-Xylenes	11.63	106	795666	100.921	ug/l	98
69) o-Xylene	11.95	106	402032	51.860	ug/l	99
70) Styrene	11.97	104	720095	53.911	ug/l	100
71) Bromoform	12.13	173	162955	49.645	ug/l #	100
73) Isopropylbenzene	12.26	105	1148755	53.632	ug/l	100
74) N-amyl acetate	12.08	43	528573	58.989	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	408383	56.935	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	333979m	54.534	ug/l	
77) Bromobenzene	12.53	156	273054	50.680	ug/l	97
78) n-propylbenzene	12.60	91	1348781	55.415	ug/l	99
79) 2-Chlorotoluene	12.68	91	806552	53.022	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	982616	54.251	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	98356	48.054	ug/l	98
82) 4-Chlorotoluene	12.78	91	854921	53.466	ug/l	100
83) tert-Butylbenzene	13.00	119	874527	54.142	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	998917	55.419	ug/l	100
85) sec-Butylbenzene	13.18	105	1176934	55.721	ug/l	100
86) p-Isopropyltoluene	13.30	119	1058993	56.396	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	522715	53.117	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	520632	51.821	ug/l	100
89) n-Butylbenzene	13.62	91	945078	53.086	ug/l	100
90) Hexachloroethane	13.88	117	168134	51.001	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	534755	54.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75242	58.267	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	313886	49.767	ug/l	100
94) Hexachlorobutadiene	15.02	225	148023	48.557	ug/l	96
95) Naphthalene	15.14	128	913442	55.884	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	302711	50.779	ug/l	100

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

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