

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120919\
 Data File : VN059525.D
 Acq On : 9 Dec 2019 14:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/10/2019 5:10:27 PM

Quant Time: Dec 10 02:18:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	258542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	407265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	460598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	227470	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	192801	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.72%	
35) Dibromofluoromethane	7.57	113	138262	56.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.78%	
50) Toluene-d8	10.08	98	650036	65.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	131.02%	
62) 4-Bromofluorobenzene	12.40	95	236864	64.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	140208	47.018	ug/l	100
3) Chloromethane	2.04	50	220912	48.938	ug/l	98
4) Vinyl Chloride	2.17	62	220278	49.508	ug/l	100
5) Bromomethane	2.54	94	132549	48.909	ug/l	99
6) Chloroethane	2.68	64	131934	49.657	ug/l	98
7) Trichlorofluoromethane	3.00	101	276626	52.009	ug/l	98
8) Diethyl Ether	3.38	74	99361	54.510	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	133047	48.065	ug/l	99
10) Methyl Iodide	3.93	142	169458	45.211	ug/l	99
11) Tert butyl alcohol	4.74	59	133770	223.772	ug/l	99
12) 1,1-Dichloroethene	3.71	96	122945	45.688	ug/l	95
13) Acrolein	3.58	56	33092	113.755	ug/l	97
14) Allyl chloride	4.29	41	250542	48.400	ug/l	99
15) Acrylonitrile	4.95	53	397390	252.045	ug/l	99
16) Acetone	3.79	43	372995	220.970	ug/l	99
17) Carbon Disulfide	4.03	76	397809	46.585	ug/l	99
18) Methyl Acetate	4.29	43	212304	47.905	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	462098	51.660	ug/l	100
20) Methylene Chloride	4.52	84	149564	49.164	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	143042	49.527	ug/l	97
22) Diisopropyl ether	5.92	45	509209	51.673	ug/l	96
23) Vinyl Acetate	5.86	43	2171320	264.141	ug/l	100
24) 1,1-Dichloroethane	5.82	63	285701	51.064	ug/l	100
25) 2-Butanone	6.81	43	659648	290.326	ug/l	99
26) 2,2-Dichloropropane	6.80	77	290837	57.539	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	191229	58.866	ug/l	99
28) Bromochloromethane	7.17	49	117718	54.792	ug/l	99
29) Tetrahydrofuran	7.18	42	377960	239.150	ug/l	99
30) Chloroform	7.35	83	284725	51.563	ug/l	98
31) Cyclohexane	7.63	56	257142	47.227	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	247735	50.572	ug/l	99
36) 1,1-Dichloropropene	7.77	75	214800	51.407	ug/l	100
37) Ethyl Acetate	6.90	43	261068	53.470	ug/l	99
38) Carbon Tetrachloride	7.75	117	217796	52.882	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	246037	52.494	ug/l	98
40) Benzene	8.02	78	617620	51.742	ug/l	99
41) Methacrylonitrile	7.15	41	105606m	52.008	ug/l	
42) 1,2-Dichloroethane	8.10	62	239165	53.777	ug/l	99
43) Isopropyl Acetate	8.14	43	380809	52.796	ug/l	99
44) Trichloroethene	8.82	130	155733	51.643	ug/l	100
45) 1,2-Dichloropropane	9.10	63	167812	53.070	ug/l	100
46) Dibromomethane	9.19	93	109281	52.294	ug/l	98
47) Bromodichloromethane	9.39	83	225554	54.308	ug/l	100
48) Methyl methacrylate	9.18	41	173126	54.895	ug/l	99
49) 1,4-Dioxane	9.18	88	43945	1089.073	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	1372034	299.544	ug/l	98
52) Toluene	10.15	92	466820	65.638	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	299360	61.863	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	326364	65.898	ug/l	92
55) 1,1,2-Trichloroethane	10.55	97	176358	61.312	ug/l	97
56) Ethyl methacrylate	10.42	69	256631	51.716	ug/l #	85
57) 1,3-Dichloropropane	10.70	76	316171	64.359	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	456670	387.548	ug/l	100
59) 2-Hexanone	10.74	43	1000325	285.456	ug/l	94
60) Dibromochloromethane	10.90	129	203214	59.002	ug/l	99
61) 1,2-Dibromoethane	11.00	107	186753	62.367	ug/l	99
64) Tetrachloroethene	10.63	164	171435	50.927	ug/l	98
65) Chlorobenzene	11.43	112	481036	49.843	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	185459	51.523	ug/l	100
67) Ethyl Benzene	11.51	91	894770	51.522	ug/l	100
68) m/p-Xylenes	11.62	106	680400	104.438	ug/l	100
69) o-Xylene	11.94	106	293581	48.415	ug/l	98
70) Styrene	11.96	104	504759	50.245	ug/l	99
71) Bromoform	12.12	173	145451	51.356	ug/l #	99
73) Isopropylbenzene	12.25	105	801163	46.954	ug/l	100
74) N-amyl acetate	12.07	43	380227	51.158	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	282470	48.856	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	261113m	44.888	ug/l	
77) Bromobenzene	12.53	156	208172	49.006	ug/l	100
78) n-propylbenzene	12.59	91	1029534	49.102	ug/l	100
79) 2-Chlorotoluene	12.67	91	598625	47.880	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	683680	46.726	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	99601	46.068	ug/l	100
82) 4-Chlorotoluene	12.77	91	584031	45.684	ug/l	99
83) tert-Butylbenzene	12.99	119	588593	48.240	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	726063	50.255	ug/l	99
85) sec-Butylbenzene	13.17	105	822382	49.070	ug/l	100
86) p-Isopropyltoluene	13.29	119	761340	50.828	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	379461	48.499	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	380178	49.625	ug/l	100
89) n-Butylbenzene	13.62	91	727300	51.711	ug/l	99
90) Hexachloroethane	13.88	117	140056	50.913	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	375347	51.120	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54558	41.520	ug/l	90

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93) 1,2,4-Trichlorobenzene	14.91	180	206363	40.636	ug/l	99
94) Hexachlorobutadiene	15.01	225	102145	39.371	ug/l	99
95) Naphthalene	15.13	128	592592	39.919	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	199963	40.886	ug/l	99

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

