

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012720\
 Data File : VN059885.D
 Acq On : 27 Jan 2020 20:09
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 9:24:56 AM

Quant Time: Jan 27 23:59:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	325450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293792	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144816	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	117095	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
35) Dibromofluoromethane	7.56	113	100110	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.16%	
50) Toluene-d8	10.08	98	375851	49.98	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.40	95	139059	51.30	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.60%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	112927	45.913	ug/l	99
3) Chloromethane	2.04	50	105065	44.030	ug/l	100
4) Vinyl Chloride	2.17	62	138107	50.585	ug/l	97
5) Bromomethane	2.53	94	82089	49.268	ug/l	100
6) Chloroethane	2.68	64	65226	50.497	ug/l	98
7) Trichlorofluoromethane	3.00	101	166571	50.802	ug/l	100
8) Diethyl Ether	3.38	74	58658	50.977	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	96310	52.776	ug/l	93
10) Methyl Iodide	3.93	142	146802	49.768	ug/l	95
11) Tert butyl alcohol	4.73	59	93425	239.766	ug/l	99
12) 1,1-Dichloroethene	3.71	96	93222	48.888	ug/l	88
13) Acrolein	3.58	56	75660	274.304	ug/l	100
14) Allyl chloride	4.29	41	123324	47.982	ug/l #	83
15) Acrylonitrile	4.94	53	228529	257.114	ug/l	100
16) Acetone	3.78	43	198515	251.523	ug/l	95
17) Carbon Disulfide	4.03	76	234727	43.212	ug/l	100
18) Methyl Acetate	4.29	43	140953	52.135	ug/l #	90
19) Methyl tert-butyl Ether	5.00	73	320134	51.492	ug/l	96
20) Methylene Chloride	4.52	84	104582	49.940	ug/l	88
21) trans-1,2-Dichloroethene	5.01	96	99273	48.976	ug/l	88
22) Diisopropyl ether	5.91	45	292477	50.214	ug/l #	97
23) Vinyl Acetate	5.86	43	1144418	253.771	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	177795	49.957	ug/l	98
25) 2-Butanone	6.80	43	294948	225.023	ug/l #	89
26) 2,2-Dichloropropane	6.79	77	165690	48.426	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	119351	51.194	ug/l	87
28) Bromochloromethane	7.17	49	65703	46.190	ug/l #	72
29) Tetrahydrofuran	7.18	42	192136	236.917	ug/l #	85
30) Chloroform	7.35	83	191390	51.902	ug/l	100
31) Cyclohexane	7.63	56	150696	44.004	ug/l	89
32) 1,1,1-Trichloroethane	7.54	97	173859	50.992	ug/l	95
36) 1,1-Dichloropropene	7.77	75	137905	48.659	ug/l	95
37) Ethyl Acetate	6.90	43	123446	46.440	ug/l #	95
38) Carbon Tetrachloride	7.75	117	156697	50.827	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	163061	46.661	ug/l	91
40) Benzene	8.02	78	412528	48.806	ug/l	99
41) Methacrylonitrile	7.15	41	59852m	45.713	ug/l	
42) 1,2-Dichloroethane	8.10	62	147955	51.627	ug/l	97
43) Isopropyl Acetate	8.14	43	216977	47.456	ug/l #	94
44) Trichloroethene	8.82	130	116162	50.343	ug/l	92
45) 1,2-Dichloropropane	9.10	63	105471	50.427	ug/l	100
46) Dibromomethane	9.19	93	75716	51.319	ug/l	92
47) Bromodichloromethane	9.38	83	154680	52.025	ug/l	99
48) Methyl methacrylate	9.18	41	96440	47.156	ug/l	87
49) 1,4-Dioxane	9.18	88	39425	1053.053	ug/l #	88
51) 4-Methyl-2-Pentanone	9.97	43	636479	240.814	ug/l	94
52) Toluene	10.14	92	270110	50.592	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	169646	51.101	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	179193	51.300	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	108593	51.356	ug/l	98
56) Ethyl methacrylate	10.42	69	160381	49.638	ug/l	90
57) 1,3-Dichloropropane	10.70	76	175238	52.200	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	257294	264.382	ug/l	91
59) 2-Hexanone	10.74	43	463386	237.984	ug/l	93
60) Dibromochloromethane	10.89	129	127835	53.089	ug/l	100
61) 1,2-Dibromoethane	10.99	107	114731	51.768	ug/l	100
64) Tetrachloroethene	10.62	164	103138	43.074	ug/l	95
65) Chlorobenzene	11.43	112	297513	51.521	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	117299	52.570	ug/l	99
67) Ethyl Benzene	11.50	91	530474	50.605	ug/l	97
68) m/p-Xylenes	11.62	106	404034	102.035	ug/l	94
69) o-Xylene	11.94	106	196401	50.663	ug/l	95
70) Styrene	11.96	104	326937	50.399	ug/l	97
71) Bromoform	12.12	173	97268	54.422	ug/l #	97
73) Isopropylbenzene	12.24	105	531108	50.007	ug/l	99
74) N-amyl acetate	12.06	43	191979	46.584	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	158931	51.619	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	135875m	55.753	ug/l	
77) Bromobenzene	12.52	156	136524	50.760	ug/l	81
78) n-propylbenzene	12.59	91	593275	49.768	ug/l	96
79) 2-Chlorotoluene	12.67	91	348788	49.183	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	445998	49.932	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55297	48.726	ug/l	95
82) 4-Chlorotoluene	12.77	91	361181	50.778	ug/l	96
83) tert-Butylbenzene	12.99	119	390361	50.531	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	444612	50.315	ug/l	98
85) sec-Butylbenzene	13.17	105	510018	50.250	ug/l	99
86) p-Isopropyltoluene	13.28	119	469872	50.032	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	240260	51.426	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	237632	50.986	ug/l	98
89) n-Butylbenzene	13.61	91	404988	50.576	ug/l	98
90) Hexachloroethane	13.87	117	88876	50.581	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	234527	50.777	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31291	47.233	ug/l	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	140015	50.450	ug/l	99
94) Hexachlorobutadiene	15.01	225	74355	48.618	ug/l	99
95) Naphthalene	15.13	128	391991	49.657	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134713	49.868	ug/l	99

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

