

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070119\
 Data File : VN056564.D
 Acq On : 1 Jul 2019 11:55
 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

MMDadoda
 7/3/2019 9:16:07 AM

Quant Time: Jul 02 01:32:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	329413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	500332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191888	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	187693	51.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.82%	
35) Dibromofluoromethane	7.59	113	165170	52.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.84%	
50) Toluene-d8	10.09	98	612731	50.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	212641	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.04%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	131459	47.130	ug/l	100
3) Chloromethane	2.06	50	166935	43.954	ug/l	100
4) Vinyl Chloride	2.18	62	169341	46.164	ug/l	99
5) Bromomethane	2.52	94	115500m	53.709	ug/l	
6) Chloroethane	2.68	64	100362	47.245	ug/l	100
7) Trichlorofluoromethane	3.00	101	238019	50.162	ug/l	98
8) Diethyl Ether	3.41	74	99330	49.462	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	154479	51.051	ug/l	99
10) Methyl Iodide	3.95	142	204319	49.958	ug/l	98
11) Tert butyl alcohol	4.80	59	152983	248.790	ug/l	99
12) 1,1-Dichloroethene	3.73	96	140361	48.234	ug/l	99
13) Acrolein	3.60	56	107969	208.332	ug/l	100
14) Allyl chloride	4.32	41	252593	52.145	ug/l	98
15) Acrylonitrile	4.99	53	450837	265.020	ug/l	100
16) Acetone	3.82	43	411343	224.881	ug/l	98
17) Carbon Disulfide	4.05	76	272929	41.236	ug/l	100
18) Methyl Acetate	4.32	43	194232	54.290	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	493934	51.297	ug/l	98
20) Methylene Chloride	4.55	84	174564	50.636	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	152129	48.489	ug/l	94
22) Diisopropyl ether	5.95	45	541750	53.253	ug/l	96
23) Vinyl Acetate	5.89	43	2202511	274.494	ug/l	99
24) 1,1-Dichloroethane	5.84	63	303483	51.969	ug/l	100
25) 2-Butanone	6.83	43	615009	254.041	ug/l	99
26) 2,2-Dichloropropane	6.82	77	215156	52.974	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	185352	50.496	ug/l	98
28) Bromochloromethane	7.19	49	146577	50.745	ug/l	99
29) Tetrahydrofuran	7.21	42	398993	269.695	ug/l	98
30) Chloroform	7.37	83	305288	52.979	ug/l	97
31) Cyclohexane	7.65	56	259529	46.034	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	242074	52.999	ug/l	99
36) 1,1-Dichloropropene	7.79	75	218862	49.698	ug/l	100
37) Ethyl Acetate	6.93	43	236005	54.532	ug/l	100
38) Carbon Tetrachloride	7.77	117	199884	51.904	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	262394	48.288	ug/l	98
40) Benzene	8.04	78	684189	50.508	ug/l	97
41) Methacrylonitrile	7.18	41	105269m	55.084	ug/l	
42) 1,2-Dichloroethane	8.12	62	229799	51.403	ug/l	100
43) Isopropyl Acetate	8.16	43	361559	54.179	ug/l	100
44) Trichloroethene	8.83	130	184233	50.489	ug/l	100
45) 1,2-Dichloropropane	9.12	63	190625	52.619	ug/l	98
46) Dibromomethane	9.21	93	119124	52.558	ug/l	99
47) Bromodichloromethane	9.40	83	225402	56.073	ug/l	99
48) Methyl methacrylate	9.20	41	177965	53.217	ug/l	98
49) 1,4-Dioxane	9.20	88	75706	1090.885	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	1168508	271.289	ug/l	98
52) Toluene	10.15	92	424311	51.234	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	234019	49.984	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	271344	56.054	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	179467	53.911	ug/l	100
56) Ethyl methacrylate	10.43	69	262196	53.894	ug/l	99
57) 1,3-Dichloropropane	10.71	76	299609	53.574	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	383400	219.367	ug/l	99
59) 2-Hexanone	10.75	43	813027	256.826	ug/l	100
60) Dibromochloromethane	10.90	129	176765	51.581	ug/l	98
61) 1,2-Dibromoethane	11.00	107	181724	53.448	ug/l	100
64) Tetrachloroethene	10.63	164	181958	51.960	ug/l	99
65) Chlorobenzene	11.43	112	452126	50.883	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	169821	56.549	ug/l	99
67) Ethyl Benzene	11.51	91	804343	51.555	ug/l	100
68) m/p-Xylenes	11.62	106	600224	104.977	ug/l	100
69) o-Xylene	11.95	106	292545	51.717	ug/l	100
70) Styrene	11.96	104	494016	54.637	ug/l	99
71) Bromoform	12.13	173	123844	51.048	ug/l #	99
73) Isopropylbenzene	12.25	105	790483	55.122	ug/l	100
74) N-amyl acetate	12.07	43	295361	48.364	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	249637	56.338	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	216717m	54.468	ug/l	
77) Bromobenzene	12.53	156	204220	47.597	ug/l	97
78) n-propylbenzene	12.59	91	857790	48.815	ug/l	100
79) 2-Chlorotoluene	12.67	91	524135	54.630	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	651847	54.166	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	61837	55.237	ug/l	94
82) 4-Chlorotoluene	12.77	91	509338	49.091	ug/l	99
83) tert-Butylbenzene	12.99	119	578273	55.243	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	619103	47.926	ug/l	100
85) sec-Butylbenzene	13.17	105	751431	48.652	ug/l	100
86) p-Isopropyltoluene	13.29	119	649212	48.979	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	329292	50.643	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	311117	49.405	ug/l	100
89) n-Butylbenzene	13.61	91	472516	47.090	ug/l	100
90) Hexachloroethane	13.87	117	109675	53.073	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	327306	50.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37559	52.899	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	123388	38.218	ug/l	98
94) Hexachlorobutadiene	15.01	225	119087	54.646	ug/l	99
95) Naphthalene	15.13	128	329845	38.871	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137905	40.547	ug/l	100

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

