

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092818\
 Data File : VN051624.D
 Acq On : 28 Sep 2018 19:12
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMDadoda
 10/3/2018 5:27:47 PM

Quant Time: Sep 29 05:38:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70284	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	384236	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	335303	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	151662	30.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.30%
60) 4-Bromofluorobenzene	12.40	95	147797	28.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.57%
63) Toluene-d8	10.09	98	458930	29.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	152612	24.742	ug/l 98
3) Chloromethane	2.06	50	169696	24.585	ug/l 98
4) Vinyl Chloride	2.18	62	165169	24.393	ug/l 97
5) Bromomethane	2.57	94	94901	26.982	ug/l 96
6) Chloroethane	2.70	64	87274	25.692	ug/l 94
7) Trichlorofluoromethane	3.01	101	220021	26.595	ug/l 100
8) Diethyl Ether	3.41	74	45391	17.468	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.76	101	89140	19.062	ug/l 95
10) 1,1-Dichloroethene	3.74	96	79667	18.772	ug/l 95
11) Methyl Iodide	3.96	142	107901	19.752	ug/l 98
12) Methyl Acetate	4.33	43	56487	15.082	ug/l 92
13) Acrolein	3.61	56	29153	70.453	ug/l 93
14) Acrylonitrile	5.00	53	117982	78.656	ug/l 97
15) Acetone	3.82	58	28090	71.424	ug/l 98
16) Carbon Disulfide	4.06	76	227060	16.603	ug/l 99
17) Allyl chloride	4.33	41	113843	14.996	ug/l 88
18) Methylene Chloride	4.56	84	89561	18.356	ug/l 92
19) trans-1,2-Dichloroethene	5.04	96	81640	18.122	ug/l 97
20) Diisopropyl ether	5.96	45	238018	15.804	ug/l # 96
21) 1,1-Dichloroethane	5.85	63	155351	17.405	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	91344	18.566	ug/l 95
23) tert-Butyl Alcohol	4.79	59	25652	89.405	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	212684	19.069	ug/l 99
25) Chloroform	7.37	83	165589	19.402	ug/l 94
26) Cyclohexane	7.66	56	125046	16.189	ug/l # 87
29) 1,1-Dichloropropene	7.80	75	118237	18.046	ug/l 99
30) 2-Butanone	6.84	43	131682	73.845	ug/l 95
31) 2,2-Dichloropropane	6.83	77	133563	18.888	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	153779	20.889	ug/l 98
33) Carbon Tetrachloride	7.78	117	139202	21.038	ug/l 99
34) Benzene	8.04	78	349092	17.959	ug/l 98
35) Methacrylonitrile	7.17	41	20949	10.449	ug/l 86
36) 1,2-Dichloroethane	8.13	62	122604	19.787	ug/l 99
37) Trichloroethene	8.84	130	101961	20.430	ug/l 92
38) Methylcyclohexane	9.08	83	131017	17.329	ug/l 95
39) 1,2-Dichloropropane	9.12	63	90516	16.994	ug/l 98
40) Dibromomethane	9.21	93	54769	18.510	ug/l 90

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41) Bromodichloromethane	9.40	83	126333	19.560	ug/l	98
42) Vinyl Acetate	5.90	43	772760	77.841	ug/l	96
43) Ethyl Acetate	6.94	43	59675	15.810	ug/l	98
44) Isopropyl Acetate	8.17	43	114141	15.444	ug/l	99
45) 1,4-Dioxane	9.20	88	15497	387.626	ug/l	93
46) Methyl methacrylate	9.20	41	55164	16.045	ug/l	87
47) n-amyl Acetate	12.07	43	84395	15.262	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	114024	17.689	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	134737	17.878	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	77441	18.520	ug/l	98
51) Ethyl methacrylate	10.43	69	86761	17.102	ug/l	99
52) 1,3-Dichloropropane	10.71	76	129248	18.028	ug/l	98
53) Dibromochloromethane	10.90	129	96595	20.283	ug/l	99
54) 1,2-Dibromoethane	11.01	107	75817	18.897	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	207372	82.698	ug/l	96
56) Bromoform	12.13	173	66029	20.895	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	307500	80.774	ug/l	97
59) 2-Hexanone	10.75	43	192838	76.998	ug/l	96
61) Tetrachloroethene	10.63	164	97425	20.523	ug/l	94
62) Toluene	10.16	91	383574	18.656	ug/l	100
64) Chlorobenzene	11.43	112	240870	19.377	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	100764	21.228	ug/l	96
66) Ethyl Benzene	11.51	91	392798	18.667	ug/l	99
67) m/p-Xylenes	11.62	106	317535	39.155	ug/l	99
68) o-Xylene	11.95	106	150698	19.466	ug/l	97
69) Styrene	11.96	104	233300	19.200	ug/l	99
70) Isopropylbenzene	12.25	105	406224	19.672	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	90328	18.080	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	77881m	18.233	ug/l	
73) Bromobenzene	12.53	156	103655	20.170	ug/l	89
74) n-propylbenzene	12.59	91	441004	18.345	ug/l	97
75) 2-Chlorotoluene	12.68	91	273899	19.080	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	343723	19.920	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	21821	16.130	ug/l	96
78) 4-Chlorotoluene	12.77	91	263181	18.560	ug/l	98
79) tert-butylbenzene	12.99	119	311207	20.818	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	344544	19.991	ug/l	100
81) sec-Butylbenzene	13.17	105	399264	19.335	ug/l	98
82) p-Isopropyltoluene	13.29	119	347816	19.707	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	180222	20.126	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	164736	19.571	ug/l	99
85) n-Butylbenzene	13.62	91	253277	17.483	ug/l	98
86) Hexachloroethane	13.88	117	67872	19.227	ug/l	86
87) 1,2-Dichlorobenzene	13.65	146	179596	20.502	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16372	22.484	ug/l	87
89) 1,2,4-Trichlorobenzene	14.91	180	100185	24.435	ug/l	100
90) Hexachlorobutadiene	15.01	225	92708	27.736	ug/l	99
91) Naphthalene	15.13	128	168834	22.287	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	101255	24.555	ug/l	99

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

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