

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN113018\
 Data File : VN052593.D
 Acq On : 30 Nov 2018 9:03
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 12/3/2018 10:49:12 AM

Quant Time: Nov 30 10:13:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	145756	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	834984	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	748150	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	301476	30.36	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.20%
60) 4-Bromofluorobenzene	12.40	95	349371	30.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.80%
63) Toluene-d8	10.09	98	1017426	29.33	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.77%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	149162	17.969	ug/l 99
3) Chloromethane	2.06	50	190803	17.331	ug/l 98
4) Vinyl Chloride	2.19	62	197440	17.769	ug/l 96
5) Bromomethane	2.57	94	128741	20.320	ug/l 96
6) Chloroethane	2.71	64	115778	17.521	ug/l 99
7) Trichlorofluoromethane	3.02	101	245734	17.919	ug/l 99
8) Diethyl Ether	3.41	74	95525	18.865	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	158185	18.196	ug/l 98
10) 1,1-Dichloroethene	3.74	96	145322	17.779	ug/l 98
11) Methyl Iodide	3.96	142	194591	17.147	ug/l 100
12) Methyl Acetate	4.33	43	139461	20.081	ug/l 98
13) Acrolein	3.61	56	102668	125.851	ug/l 99
14) Acrylonitrile	4.99	53	294043	99.369	ug/l 99
15) Acetone	3.82	58	89096	116.262	ug/l 96
16) Carbon Disulfide	4.06	76	439398	16.980	ug/l 99
17) Allyl chloride	4.33	41	232231	16.292	ug/l 98
18) Methylene Chloride	4.55	84	170459	18.011	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	157618	17.919	ug/l 93
20) Diisopropyl ether	5.95	45	527469	17.608	ug/l 99
21) 1,1-Dichloroethane	5.85	63	298383	17.476	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	182602	18.113	ug/l 98
23) tert-Butyl Alcohol	4.78	59	57879m	131.485	ug/l
24) Methyl tert-Butyl Ether	5.05	73	416022	19.402	ug/l 100
25) Chloroform	7.37	83	293271	17.805	ug/l 99
26) Cyclohexane	7.65	56	276848	17.192	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	227307	17.827	ug/l 98
30) 2-Butanone	6.84	43	377230	110.561	ug/l 99
31) 2,2-Dichloropropane	6.83	77	219311	18.682	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	241156	18.176	ug/l 98
33) Carbon Tetrachloride	7.77	117	208880	17.993	ug/l 99
34) Benzene	8.04	78	697769	18.201	ug/l 98
35) Methacrylonitrile	7.19	41	96867m	22.883	ug/l
36) 1,2-Dichloroethane	8.12	62	220539	18.984	ug/l 100
37) Trichloroethene	8.83	130	177037	18.211	ug/l 97
38) Methylcyclohexane	9.08	83	283568	17.965	ug/l 98
39) 1,2-Dichloropropane	9.12	63	180953	17.609	ug/l 96
40) Dibromomethane	9.21	93	104887	18.887	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	221620	18.063	ug/l	98
42) Vinyl Acetate	5.90	43	1694694	91.799	ug/l	99
43) Ethyl Acetate	6.93	43	134068	18.479	ug/l #	68
44) Isopropyl Acetate	8.16	43	253416	19.916	ug/l #	79
45) 1,4-Dioxane	9.20	88	36741	527.814	ug/l	94
46) Methyl methacrylate	9.20	41	131408	19.890	ug/l	99
47) n-amyl Acetate	12.07	43	214896	20.369	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	217198	18.257	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	259175	17.882	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	154164	19.584	ug/l	98
51) Ethyl methacrylate	10.43	69	192289	19.450	ug/l	96
52) 1,3-Dichloropropane	10.71	76	261939	18.695	ug/l	100
53) Dibromochloromethane	10.90	129	161058	18.584	ug/l	97
54) 1,2-Dibromoethane	11.00	107	150435	19.557	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	564738	97.585	ug/l	98
56) Bromoform	12.13	173	108619	19.175	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	770527	106.234	ug/l	99
59) 2-Hexanone	10.75	43	559484	112.920	ug/l	98
61) Tetrachloroethene	10.63	164	175244	19.019	ug/l	96
62) Toluene	10.16	91	741047	17.968	ug/l	100
64) Chlorobenzene	11.44	112	458788	18.225	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	156124	17.867	ug/l	98
66) Ethyl Benzene	11.51	91	802355	18.050	ug/l	99
67) m/p-Xylenes	11.62	106	613475	37.045	ug/l	98
68) o-Xylene	11.95	106	297248	18.493	ug/l	99
69) Styrene	11.97	104	470813	18.147	ug/l	99
70) Isopropylbenzene	12.25	105	783529	18.321	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	190163	20.441	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	152915m	19.148	ug/l	
73) Bromobenzene	12.53	156	194838	18.837	ug/l	98
74) n-propylbenzene	12.59	91	914067	18.344	ug/l	100
75) 2-Chlorotoluene	12.68	91	532744	18.419	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	645332	18.682	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	47198	18.709	ug/l	92
78) 4-Chlorotoluene	12.78	91	535032	18.524	ug/l	100
79) tert-butylbenzene	12.99	119	566014	18.815	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	648248	18.755	ug/l	99
81) sec-Butylbenzene	13.17	105	779206	18.596	ug/l	100
82) p-Isopropyltoluene	13.29	119	671250	18.813	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	339768	18.677	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	330979	18.831	ug/l	99
85) n-Butylbenzene	13.62	91	560363	18.284	ug/l	99
86) Hexachloroethane	13.88	117	105478	17.448	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	331275	19.136	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28690	22.016	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	163611	19.183	ug/l	98
90) Hexachlorobutadiene	15.01	225	110958	19.832	ug/l	100
91) Naphthalene	15.14	128	357605	20.763	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	158551	20.172	ug/l	100

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

