

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051824.D
 Acq On : 12 Oct 2018 8:38
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:27:48 AM

Quant Time: Oct 12 09:38:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 09:34:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	140829	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	803913	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	718867	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	270880	28.11	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.70%
60) 4-Bromofluorobenzene	12.40	95	302396	27.86	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.87%
63) Toluene-d8	10.09	98	958541	27.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	92.77%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	108092	15.79	ug/l	98
3) Chloromethane	2.06	50	119237	10.01	ug/l	99
4) Vinyl Chloride	2.18	62	182212	14.23	ug/l	99
5) Bromomethane	2.57	94	152463	18.31	ug/l	91
6) Chloroethane	2.70	64	132175	16.65	ug/l	100
7) Trichlorofluoromethane	3.01	101	229621	13.71	ug/l	97
8) Diethyl Ether	3.41	74	73866	14.87	ug/l	74
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145329	17.17	ug/l #	40
10) 1,1-Dichloroethene	3.73	96	134805	17.43	ug/l	85
11) Methyl Iodide	3.96	142	183219	15.86	ug/l	93
12) Methyl Acetate	4.33	43	84259	12.48	ug/l	90
13) Acrolein	3.61	56	26095	28.34	ug/l	90
14) Acrylonitrile	4.99	53	182566	66.03	ug/l #	61
15) Acetone	3.82	58	47109	69.87	ug/l	98
16) Carbon Disulfide	4.05	76	337792	13.85	ug/l	97
17) Allyl chloride	4.32	41	162133	11.95	ug/l	77
18) Methylene Chloride	4.55	84	149939	16.20	ug/l	90
19) trans-1,2-Dichloroethene	5.05	96	152366	18.09	ug/l	83
20) Diisopropyl ether	5.95	45	355279	12.87	ug/l #	85
21) 1,1-Dichloroethane	5.85	63	249503	15.16	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	174894	18.50	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	47245	91.36	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	380209	18.03	ug/l #	64
25) Chloroform	7.37	83	293798	17.84	ug/l	95
26) Cyclohexane	7.65	56	209919	15.01	ug/l #	77
29) 1,1-Dichloropropene	7.80	75	206964	15.51	ug/l	95
30) 2-Butanone	6.84	43	219286	64.64	ug/l #	88
31) 2,2-Dichloropropane	6.83	77	247077	17.37	ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	271015	17.78	ug/l	95
33) Carbon Tetrachloride	7.78	117	246781	17.74	ug/l	92
34) Benzene	8.04	78	617735	15.55	ug/l #	67
35) Methacrylonitrile	7.18	41	54895	12.81	ug/l	90
36) 1,2-Dichloroethane	8.13	62	197115	15.40	ug/l	96
37) Trichloroethene	8.83	130	190432	18.17	ug/l	94
38) Methylcyclohexane	9.08	83	265139	17.35	ug/l	79
39) 1,2-Dichloropropane	9.12	63	147400	13.64	ug/l	97
40) Dibromomethane	9.21	93	104942	17.07	ug/l	96

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

41) Bromodichloromethane	9.40	83	220136	16.32	ug/l	96
42) Vinyl Acetate	5.90	43	1229813	64.50	ug/l #	91
43) Ethyl Acetate	6.93	43	97360	13.63	ug/l	98
44) Isopropyl Acetate	8.17	43	191258	13.98	ug/l	99
45) 1,4-Dioxane	9.20	88	29936	357.80	ug/l #	76
46) Methyl methacrylate	9.20	41	87235	12.84	ug/l	76
47) n-amyl Acetate	12.07	43	145403m	13.38	ug/l	
48) t-1,3-Dichloropropene	10.38	75	206095	15.53	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	233689	15.07	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	148535	16.94	ug/l	96
51) Ethyl methacrylate	10.43	69	166566	16.23	ug/l	87
52) 1,3-Dichloropropane	10.71	76	229399	15.50	ug/l	97
53) Dibromochloromethane	10.90	129	171705	17.03	ug/l	98
54) 1,2-Dibromoethane	11.01	107	148863	17.68	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	357811	69.89	ug/l #	94
56) Bromoform	12.13	173	104254	15.43	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	489126	65.82	ug/l #	87
59) 2-Hexanone	10.75	43	319299	65.99	ug/l #	89
61) Tetrachloroethene	10.63	164	187157	18.99	ug/l	98
62) Toluene	10.16	91	717524	16.54	ug/l	98
64) Chlorobenzene	11.43	112	458328	17.26	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	178750	17.38	ug/l	100
66) Ethyl Benzene	11.51	91	789134	17.70	ug/l	99
67) m/p-Xylenes	11.62	106	631911	36.45	ug/l	98
68) o-Xylene	11.95	106	310295	18.83	ug/l	91
69) Styrene	11.96	104	456696	17.50	ug/l	97
70) Isopropylbenzene	12.25	105	820919	18.59	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	164663	16.08	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	124437m	14.03	ug/l	
73) Bromobenzene	12.53	156	195971	17.77	ug/l	84
74) n-propylbenzene	12.59	91	876555	17.14	ug/l	96
75) 2-Chlorotoluene	12.68	91	518650	17.15	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	674680	18.47	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	38007	13.75	ug/l	96
78) 4-Chlorotoluene	12.77	91	499720	16.64	ug/l	93
79) tert-butylbenzene	12.99	119	624120	19.72	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	675316	18.33	ug/l	96
81) sec-Butylbenzene	13.17	105	815162	18.70	ug/l	97
82) p-Isopropyltoluene	13.29	119	707363	18.78	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	336007	17.37	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	309962	17.04	ug/l	97
85) n-Butylbenzene	13.62	91	528436	17.31	ug/l	95
86) Hexachloroethane	13.88	117	118506	15.84	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	330214	17.84	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23495	15.65	ug/l #	79
89) 1,2,4-Trichlorobenzene	14.91	180	131737	14.72	ug/l	97
90) Hexachlorobutadiene	15.01	225	111207	15.80	ug/l	96
91) Naphthalene	15.13	128	251346	15.28	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	136131	15.08	ug/l	94

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

