

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051828.D
 Acq On : 12 Oct 2018 11:41
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN101218

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:27:52 AM

Quant Time: Oct 12 16:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	139403	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	800129	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	702208	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	259000	30.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.77%
60) 4-Bromofluorobenzene	12.40	95	294832	29.12	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.07%
63) Toluene-d8	10.09	98	919541	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	107649	19.88	ug/l	99
3) Chloromethane	2.06	50	118925	20.78	ug/l	97
4) Vinyl Chloride	2.18	62	179315	20.98	ug/l	100
5) Bromomethane	2.57	94	165248	21.88	ug/l	88
6) Chloroethane	2.70	64	131787	21.39	ug/l	99
7) Trichlorofluoromethane	3.01	101	270033	22.16	ug/l	94
8) Diethyl Ether	3.41	74	74573	21.02	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151395	21.81	ug/l #	42
10) 1,1-Dichloroethene	3.73	96	134450	20.95	ug/l	86
11) Methyl Iodide	3.95	142	172465	18.48	ug/l	96
12) Methyl Acetate	4.33	43	82284	20.65	ug/l	97
13) Acrolein	3.61	56	23061	87.82	ug/l	92
14) Acrylonitrile	5.00	53	182544	102.48	ug/l #	63
15) Acetone	3.82	58	45928	104.30	ug/l	91
16) Carbon Disulfide	4.05	76	342132	20.30	ug/l	97
17) Allyl chloride	4.32	41	155480	20.40	ug/l	75
18) Methylene Chloride	4.55	84	147804	20.60	ug/l	89
19) trans-1,2-Dichloroethene	5.04	96	150674	20.56	ug/l #	82
20) Diisopropyl ether	5.95	45	350438	20.65	ug/l #	87
21) 1,1-Dichloroethane	5.85	63	241572	20.37	ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	175999	20.45	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	46462m	99.04	ug/l	
24) Methyl tert-Butyl Ether	5.04	73	386641m	20.91	ug/l	
25) Chloroform	7.37	83	289113	20.55	ug/l	98
26) Cyclohexane	7.65	56	209443	20.83	ug/l #	73
29) 1,1-Dichloropropene	7.79	75	207949	20.16	ug/l	95
30) 2-Butanone	6.84	43	211417	98.07	ug/l #	84
31) 2,2-Dichloropropane	6.82	77	248337	20.47	ug/l #	78
32) 1,1,1-Trichloroethane	7.57	97	272726	19.95	ug/l	95
33) Carbon Tetrachloride	7.77	117	241046	19.48	ug/l	94
34) Benzene	8.04	78	608703	19.95	ug/l #	66
35) Methacrylonitrile	7.20	41	65699m	23.20	ug/l	
36) 1,2-Dichloroethane	8.12	62	199433	20.40	ug/l	98
37) Trichloroethene	8.83	130	187590	19.81	ug/l	96
38) Methylcyclohexane	9.08	83	269051	20.34	ug/l	79
39) 1,2-Dichloropropane	9.12	63	142951	19.90	ug/l	94
40) Dibromomethane	9.21	93	103641	19.44	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	214187	19.45	ug/l	93
42) Vinyl Acetate	5.90	43	1207808	99.53	ug/l #	90
43) Ethyl Acetate	6.93	43	91926	19.64	ug/l	99
44) Isopropyl Acetate	8.17	43	183169	19.59	ug/l	91
45) 1,4-Dioxane	9.20	88	31298	416.91	ug/l #	72
46) Methyl methacrylate	9.20	41	85019	19.71	ug/l	78
47) n-amyl Acetate	12.07	43	143822	18.38	ug/l #	74
48) t-1,3-Dichloropropene	10.38	75	200736	18.69	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	229712	19.40	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	143517	19.48	ug/l	96
51) Ethyl methacrylate	10.43	69	164300	19.48	ug/l	85
52) 1,3-Dichloropropane	10.71	76	222831	19.60	ug/l	98
53) Dibromochloromethane	10.90	129	167670	18.40	ug/l	96
54) 1,2-Dibromoethane	11.01	107	146358	18.93	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	364491	101.08	ug/l #	93
56) Bromoform	12.13	173	101389	16.87	ug/l #	93
58) 4-Methyl-2-Pentanone	9.98	43	487838	103.81	ug/l #	89
59) 2-Hexanone	10.75	43	324687	102.42	ug/l #	91
61) Tetrachloroethene	10.63	164	180010	20.05	ug/l	95
62) Toluene	10.16	91	712772	20.43	ug/l	98
64) Chlorobenzene	11.43	112	455883	19.95	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	174843	19.94	ug/l	99
66) Ethyl Benzene	11.51	91	785160	20.36	ug/l	98
67) m/p-Xylenes	11.62	106	627700	40.16	ug/l	96
68) o-Xylene	11.95	106	303437	19.69	ug/l	90
69) Styrene	11.96	104	458081	19.38	ug/l	97
70) Isopropylbenzene	12.25	105	826585	20.12	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	163205	20.11	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	117998m	18.48	ug/l	
73) Bromobenzene	12.53	156	197077	19.36	ug/l	83
74) n-propylbenzene	12.59	91	881370	19.94	ug/l	95
75) 2-Chlorotoluene	12.67	91	515217	19.88	ug/l	95
76) 1,3,5-Trimethylbenzene	12.73	105	671406	19.76	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36533	17.30	ug/l	99
78) 4-Chlorotoluene	12.77	91	495316	19.45	ug/l	92
79) tert-butylbenzene	12.99	119	610285	19.53	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	670082	19.73	ug/l	98
81) sec-Butylbenzene	13.17	105	816505	19.97	ug/l	98
82) p-Isopropyltoluene	13.29	119	705858	19.30	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	337018	18.77	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	314746	18.62	ug/l	98
85) n-Butylbenzene	13.62	91	546606	19.82	ug/l	95
86) Hexachloroethane	13.88	117	118464	18.78	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	334185	19.22	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22450	18.53	ug/l #	77
89) 1,2,4-Trichlorobenzene	14.91	180	140013	19.93	ug/l	99
90) Hexachlorobutadiene	15.01	225	111461	19.89	ug/l	97
91) Naphthalene	15.13	128	267574	19.78	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	145412	18.38	ug/l	93

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

