

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051830.D
 Acq On : 12 Oct 2018 14:12
 Operator : MD\SY
 Sample : VN1012WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2018 11:27:53 AM

Quant Time: Oct 12 16:24:54 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	7.20	128	133694	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	762421	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	670350	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	258772	31.81	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	106.03%
60) 4-Bromofluorobenzene	12.40	95	286248	29.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.70%
63) Toluene-d8	10.09	98	907353	31.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.90%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	94336	18.16	ug/l	99
3) Chloromethane	2.06	50	110305	20.09	ug/l	98
4) Vinyl Chloride	2.18	62	167508	20.43	ug/l	99
5) Bromomethane	2.57	94	145143	20.04	ug/l	84
6) Chloroethane	2.70	64	124187	21.02	ug/l	98
7) Trichlorofluoromethane	3.01	101	242272	20.73	ug/l	97
8) Diethyl Ether	3.41	74	69512	20.43	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137147	20.61	ug/l #	42
10) 1,1-Dichloroethene	3.74	96	122604	19.92	ug/l	88
11) Methyl Iodide	3.95	142	167342	18.70	ug/l	95
12) Methyl Acetate	4.33	43	79081	20.69	ug/l	96
13) Acrolein	3.61	56	22283	88.48	ug/l	87
14) Acrylonitrile	4.99	53	168919	98.88	ug/l #	58
15) Acetone	3.82	58	39484	93.50	ug/l	97
16) Carbon Disulfide	4.05	76	307631	19.03	ug/l	99
17) Allyl chloride	4.33	41	144855	19.82	ug/l	77
18) Methylene Chloride	4.55	84	137352	19.96	ug/l	89
19) trans-1,2-Dichloroethene	5.05	96	139870	19.90	ug/l	84
20) Diisopropyl ether	5.95	45	328102	20.16	ug/l #	86
21) 1,1-Dichloroethane	5.85	63	229467	20.18	ug/l	97
22) cis-1,2-Dichloroethene	6.83	96	163827	19.84	ug/l #	82
23) tert-Butyl Alcohol	4.79	59	43963	97.71	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	362087	20.42	ug/l #	64
25) Chloroform	7.37	83	273247	20.25	ug/l	96
26) Cyclohexane	7.65	56	193513	20.07	ug/l #	73
29) 1,1-Dichloropropene	7.79	75	192950	19.63	ug/l	93
30) 2-Butanone	6.84	43	191105	93.04	ug/l #	86
31) 2,2-Dichloropropane	6.82	77	202780	17.54	ug/l #	79
32) 1,1,1-Trichloroethane	7.57	97	252157	19.35	ug/l	95
33) Carbon Tetrachloride	7.77	117	227624	19.31	ug/l	92
34) Benzene	8.04	78	573610	19.73	ug/l #	67
35) Methacrylonitrile	7.20	41	58679m	21.74	ug/l	
36) 1,2-Dichloroethane	8.12	62	182738	19.62	ug/l	97
37) Trichloroethene	8.83	130	174799	19.37	ug/l	97
38) Methylcyclohexane	9.08	83	243517	19.32	ug/l	80
39) 1,2-Dichloropropane	9.12	63	132832	19.40	ug/l	94
40) Dibromomethane	9.21	93	98459	19.38	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	201427	19.19	ug/l	93
42) Vinyl Acetate	5.90	43	1132939	97.98	ug/l #	90
43) Ethyl Acetate	6.93	43	87721	19.67	ug/l #	66
44) Isopropyl Acetate	8.17	43	179327	20.13	ug/l	97
45) 1,4-Dioxane	9.20	88	27287	381.46	ug/l #	74
46) Methyl methacrylate	9.20	41	82604	20.10	ug/l	75
47) n-amyl Acetate	12.25	43	1836	0.25	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	187978	18.37	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	214831	19.04	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	136864	19.50	ug/l	94
51) Ethyl methacrylate	10.43	69	157319	19.57	ug/l	84
52) 1,3-Dichloropropane	10.71	76	211682	19.54	ug/l	99
53) Dibromochloromethane	10.90	129	154873	17.83	ug/l	98
54) 1,2-Dibromoethane	11.01	107	140861	19.12	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	337413	98.20	ug/l #	93
56) Bromoform	12.13	173	97365	17.00	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	474901	105.86	ug/l #	89
59) 2-Hexanone	10.75	43	296337	97.92	ug/l #	91
61) Tetrachloroethene	10.63	164	177761	20.74	ug/l	97
62) Toluene	10.16	91	676841	20.32	ug/l	99
64) Chlorobenzene	11.43	112	433511	19.88	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	164290	19.63	ug/l	99
66) Ethyl Benzene	11.51	91	736405	20.01	ug/l	99
67) m/p-Xylenes	11.62	106	581943	39.00	ug/l	99
68) o-Xylene	11.95	106	293370	19.94	ug/l	90
69) Styrene	11.96	104	430108	19.06	ug/l	97
70) Isopropylbenzene	12.25	105	771102	19.66	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	157023	20.27	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	107253m	17.60	ug/l	
73) Bromobenzene	12.53	156	186153	19.16	ug/l	83
74) n-propylbenzene	12.59	91	831731	19.71	ug/l	96
75) 2-Chlorotoluene	12.67	91	495528	20.03	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	647491	19.96	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	32199	15.98	ug/l	97
78) 4-Chlorotoluene	12.77	91	472205	19.43	ug/l	93
79) tert-butylbenzene	12.99	119	593621	19.90	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	635507	19.60	ug/l	97
81) sec-Butylbenzene	13.17	105	767366	19.66	ug/l	98
82) p-Isopropyltoluene	13.29	119	677181	19.39	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	316455	18.46	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	296920	18.40	ug/l	98
85) n-Butylbenzene	13.62	91	499700	18.98	ug/l	96
86) Hexachloroethane	13.88	117	110768	18.40	ug/l	89
87) 1,2-Dichlorobenzene	13.65	146	313269	18.87	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	22546	19.49	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.91	180	121051	18.78	ug/l	99
90) Hexachlorobutadiene	15.01	225	102458	19.15	ug/l	98
91) Naphthalene	15.13	128	235278	18.90	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	130361	17.26	ug/l	93

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

