

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112618\
 Data File : VN052464.D
 Acq On : 26 Nov 2018 17:38
 Operator : MD\SY
 Sample : VN1126WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1126WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 3:52:15 PM

Quant Time: Nov 27 01:10:26 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	7.20	128	170341	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	992936	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	869250	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	350173	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	12.40	95	395330	29.75	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.17%
63) Toluene-d8	10.09	98	1214191	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	187495	19.33	ug/l	99
3) Chloromethane	2.06	50	252696	19.64	ug/l	100
4) Vinyl Chloride	2.19	62	255983	19.71	ug/l	98
5) Bromomethane	2.58	94	153970	20.79	ug/l	95
6) Chloroethane	2.71	64	152714	19.78	ug/l	98
7) Trichlorofluoromethane	3.02	101	309749	19.33	ug/l	99
8) Diethyl Ether	3.41	74	114735	19.39	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	194873	19.18	ug/l	99
10) 1,1-Dichloroethene	3.74	96	185064	19.37	ug/l	99
11) Methyl Iodide	3.96	142	253530	19.12	ug/l	99
12) Methyl Acetate	4.33	43	159250	19.62	ug/l	97
13) Acrolein	3.61	56	92093	96.60	ug/l	100
14) Acrylonitrile	4.99	53	340307	98.41	ug/l	99
15) Acetone	3.82	58	78470	87.62	ug/l	94
16) Carbon Disulfide	4.06	76	565512	18.70	ug/l	99
17) Allyl chloride	4.33	41	328094	19.69	ug/l	99
18) Methylene Chloride	4.55	84	218103	19.72	ug/l	96
19) trans-1,2-Dichloroethene	5.05	96	202973	19.74	ug/l	94
20) Diisopropyl ether	5.95	45	690240	19.72	ug/l	100
21) 1,1-Dichloroethane	5.85	63	394982	19.80	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	231118	19.62	ug/l	99
23) tert-Butyl Alcohol	4.78	59	51718	100.53	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	496328	19.81	ug/l	100
25) Chloroform	7.37	83	375710	19.52	ug/l	99
26) Cyclohexane	7.65	56	361011	19.18	ug/l #	100
29) 1,1-Dichloropropene	7.80	75	294314	19.41	ug/l	99
30) 2-Butanone	6.84	43	381015	93.91	ug/l	99
31) 2,2-Dichloropropane	6.83	77	261150	18.71	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	308107	19.53	ug/l	98
33) Carbon Tetrachloride	7.78	117	263803	19.11	ug/l	98
34) Benzene	8.04	78	885347	19.42	ug/l	99
35) Methacrylonitrile	7.17	41	84724	16.83	ug/l	98
36) 1,2-Dichloroethane	8.13	62	269696	19.52	ug/l	99
37) Trichloroethene	8.84	130	227186	19.65	ug/l	97
38) Methylcyclohexane	9.08	83	354094	18.86	ug/l	99
39) 1,2-Dichloropropane	9.12	63	235370	19.26	ug/l	95
40) Dibromomethane	9.21	93	131012	19.84	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	279227	19.14	ug/l	98
42) Vinyl Acetate	5.90	43	2119605	96.55	ug/l	99
43) Ethyl Acetate	6.93	43	164813	19.10	ug/l #	70
44) Isopropyl Acetate	8.17	43	299203	19.77	ug/l #	79
45) 1,4-Dioxane	9.20	88	32453	392.05	ug/l	99
46) Methyl methacrylate	9.20	41	153380	19.52	ug/l	99
47) n-amyl Acetate	12.07	43	236764	18.87	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	266592	18.84	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	328170	19.04	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	187179	20.00	ug/l	100
51) Ethyl methacrylate	10.43	69	227839	19.38	ug/l	98
52) 1,3-Dichloropropane	10.71	76	325041	19.51	ug/l	98
53) Dibromochloromethane	10.90	129	197550	19.17	ug/l	97
54) 1,2-Dibromoethane	11.01	107	182201	19.92	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	668769	97.18	ug/l	99
56) Bromoform	12.13	173	127157	18.88	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	845261	100.30	ug/l	99
59) 2-Hexanone	10.75	43	551762	95.85	ug/l	99
61) Tetrachloroethene	10.63	164	213033	19.90	ug/l	96
62) Toluene	10.16	91	940369	19.62	ug/l	100
64) Chlorobenzene	11.44	112	575321	19.67	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	196813	19.39	ug/l	99
66) Ethyl Benzene	11.51	91	1002630	19.41	ug/l	99
67) m/p-Xylenes	11.62	106	750928	39.03	ug/l	100
68) o-Xylene	11.95	106	365256	19.56	ug/l	100
69) Styrene	11.97	104	583779	19.37	ug/l	99
70) Isopropylbenzene	12.25	105	982297	19.77	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	217095	20.08	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	172414m	18.58	ug/l	
73) Bromobenzene	12.53	156	234228	19.49	ug/l	99
74) n-propylbenzene	12.59	91	1114591	19.25	ug/l	100
75) 2-Chlorotoluene	12.68	91	662034	19.70	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	792591	19.75	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	52682	17.97	ug/l	95
78) 4-Chlorotoluene	12.78	91	642723	19.15	ug/l	100
79) tert-butylbenzene	12.99	119	692667	19.82	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	792457	19.73	ug/l	99
81) sec-Butylbenzene	13.17	105	944797	19.41	ug/l	99
82) p-Isopropyltoluene	13.29	119	796962	19.22	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	404265	19.13	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	391081	19.15	ug/l	99
85) n-Butylbenzene	13.62	91	657257	18.46	ug/l	100
86) Hexachloroethane	13.88	117	132992	18.93	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	396325	19.70	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29305	19.36	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	182233	18.39	ug/l	100
90) Hexachlorobutadiene	15.01	225	128233	19.73	ug/l	98
91) Naphthalene	15.14	128	364591	18.22	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	169931	18.61	ug/l	98

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

