

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051745.D
 Acq On : 9 Oct 2018 12:28
 Operator : MD\SY
 Sample : VN1009WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1009WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2018 10:09:15 AM

Quant Time: Oct 10 03:48:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 05 11:11:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	116484	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	664320	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	597314	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	238971	29.56	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.53%
60) 4-Bromofluorobenzene	12.40	95	252796	27.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.47%
63) Toluene-d8	10.09	98	789262	29.76	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	152012	22.372	ug/l 98
3) Chloromethane	2.06	50	136129	20.409	ug/l 96
4) Vinyl Chloride	2.18	62	212693	20.964	ug/l 97
5) Bromomethane	2.57	94	168595	21.377	ug/l 82
6) Chloroethane	2.70	64	147667	21.715	ug/l 98
7) Trichlorofluoromethane	3.01	101	345431	29.730	ug/l 92
8) Diethyl Ether	3.41	74	70045	22.570	ug/l 80
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135126	22.678	ug/l # 40
10) 1,1-Dichloroethene	3.74	96	120113	22.090	ug/l 86
11) Methyl Iodide	3.95	142	162222	23.238	ug/l 91
12) Methyl Acetate	4.33	43	96289	22.440	ug/l 96
13) Acrolein	3.61	56	36485	115.661	ug/l 94
14) Acrylonitrile	5.00	53	187382	106.957	ug/l # 61
15) Acetone	3.82	58	47673	113.864	ug/l 88
16) Carbon Disulfide	4.05	76	310604	19.970	ug/l 96
17) Allyl chloride	4.32	41	160139	20.193	ug/l 75
18) Methylene Chloride	4.55	84	132932	21.669	ug/l 96
19) trans-1,2-Dichloroethene	5.04	96	131658	21.419	ug/l 90
20) Diisopropyl ether	5.96	45	360111	20.217	ug/l # 87
21) 1,1-Dichloroethane	5.85	63	234573	21.101	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	158568	21.927	ug/l 88
23) tert-Butyl Alcohol	4.79	59	53415	118.035	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	378415	21.675	ug/l # 59
25) Chloroform	7.37	83	272277	21.661	ug/l 97
26) Cyclohexane	7.66	56	197096	20.865	ug/l # 76
29) 1,1-Dichloropropene	7.80	75	192051	21.751	ug/l 97
30) 2-Butanone	6.84	43	230422	107.157	ug/l # 91
31) 2,2-Dichloropropane	6.83	77	238848	21.714	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	257962	21.726	ug/l 96
33) Carbon Tetrachloride	7.78	117	228505	21.228	ug/l 90
34) Benzene	8.04	78	566168	21.198	ug/l # 69
35) Methacrylonitrile	7.18	41	48548	20.457	ug/l 77
36) 1,2-Dichloroethane	8.13	62	198303	22.183	ug/l # 91
37) Trichloroethene	8.84	130	167108	22.500	ug/l 100
38) Methylcyclohexane	9.08	83	243154	21.747	ug/l 82
39) 1,2-Dichloropropane	9.12	63	136310	20.836	ug/l 94
40) Dibromomethane	9.21	93	99653	22.019	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	213252	21.114	ug/l	95
42) Vinyl Acetate	5.90	43	1305651	103.048	ug/l #	94
43) Ethyl Acetate	6.94	43	90337	19.966	ug/l	99
44) Isopropyl Acetate	8.17	43	205720	20.558	ug/l	97
45) 1,4-Dioxane	9.20	88	29696	469.670	ug/l #	78
46) Methyl methacrylate	9.20	41	96305	21.587	ug/l	80
48) t-1,3-Dichloropropene	10.38	75	204149	19.980	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	223201	20.268	ug/l	92
50) 1,1,2-Trichloroethane	10.56	97	138750	21.738	ug/l	97
51) Ethyl methacrylate	10.43	69	166014	20.451	ug/l	84
52) 1,3-Dichloropropane	10.71	76	214293	21.082	ug/l	98
53) Dibromochloromethane	10.90	129	166516	19.862	ug/l	97
54) 1,2-Dibromoethane	11.01	107	140698	21.012	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	309450	92.019	ug/l	95
56) Bromoform	12.13	173	112441	18.709	ug/l #	94
58) 4-Methyl-2-Pentanone	9.99	43	542771	110.674	ug/l #	92
59) 2-Hexanone	10.75	43	351513	105.893	ug/l #	94
61) Tetrachloroethene	10.63	164	159322	22.641	ug/l	97
62) Toluene	10.16	91	654444	21.629	ug/l	97
64) Chlorobenzene	11.44	112	422168	21.738	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	168066	21.263	ug/l	99
66) Ethyl Benzene	11.51	91	732156	21.511	ug/l	100
67) m/p-Xylenes	11.62	106	582568	42.793	ug/l	99
68) o-Xylene	11.95	106	291124	21.682	ug/l	90
69) Styrene	11.97	104	447199	20.874	ug/l	98
70) Isopropylbenzene	12.25	105	784211	21.736	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	162998	21.633	ug/l	94
72) 1,2,3-Trichloropropane	12.55	75	134011m	22.296	ug/l	
73) Bromobenzene	12.53	156	177257	20.427	ug/l	89
74) n-propylbenzene	12.59	91	836727	21.067	ug/l	95
75) 2-Chlorotoluene	12.68	91	496280	21.385	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	655977	21.426	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	43303	19.323	ug/l	99
78) 4-Chlorotoluene	12.77	91	473896	20.376	ug/l	93
79) tert-butylbenzene	12.99	119	609362	22.130	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	659235	21.648	ug/l	97
81) sec-Butylbenzene	13.17	105	797923	21.662	ug/l	97
82) p-Isopropyltoluene	13.29	119	699332	21.550	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	328597	21.175	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	303443	20.462	ug/l	98
85) n-Butylbenzene	13.62	91	524600	20.453	ug/l	95
86) Hexachloroethane	13.88	117	129739	20.207	ug/l	88
87) 1,2-Dichlorobenzene	13.65	146	323056	21.244	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25467	20.527	ug/l #	81
89) 1,2,4-Trichlorobenzene	14.91	180	122802	20.102	ug/l	98
90) Hexachlorobutadiene	15.01	225	100408	21.699	ug/l	97
91) Naphthalene	15.13	128	245267	17.081	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	129852	19.794	ug/l	92

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

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