

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100518\
 Data File : VN051686.D
 Acq On : 5 Oct 2018 14:52
 Operator : MD\SY
 Sample : VN1005WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1005WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 3:58:51 PM

Quant Time: Oct 05 17:30:37 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	101467	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	590914	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	508731	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	213740	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	12.40	95	210026	27.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	90.20%
63) Toluene-d8	10.09	98	687822	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	114358	19.321	ug/l 100
3) Chloromethane	2.06	50	122736	21.124	ug/l 98
4) Vinyl Chloride	2.18	62	188403	21.319	ug/l 98
5) Bromomethane	2.57	94	148092	21.557	ug/l 90
6) Chloroethane	2.70	64	131418	22.185	ug/l 99
7) Trichlorofluoromethane	3.01	101	201855	19.944	ug/l 95
8) Diethyl Ether	3.41	74	57155	21.142	ug/l 81
9) 1,1,2-Trichlorotrifluoroet	3.76	101	105608	20.347	ug/l # 41
10) 1,1-Dichloroethene	3.74	96	100148	21.144	ug/l 92
11) Methyl Iodide	3.95	142	118345	19.462	ug/l 94
12) Methyl Acetate	4.33	43	74927	20.046	ug/l 95
13) Acrolein	3.61	56	27063	98.490	ug/l 82
14) Acrylonitrile	5.00	53	150167	98.400	ug/l # 61
15) Acetone	3.82	58	34751	95.284	ug/l 87
16) Carbon Disulfide	4.05	76	272272	20.097	ug/l 99
17) Allyl chloride	4.33	41	137549	19.911	ug/l 76
18) Methylene Chloride	4.55	84	108596	20.322	ug/l 98
19) trans-1,2-Dichloroethene	5.05	96	103777	19.382	ug/l 89
20) Diisopropyl ether	5.96	45	304652	19.635	ug/l # 88
21) 1,1-Dichloroethane	5.85	63	192531	19.882	ug/l # 95
22) cis-1,2-Dichloroethene	6.83	96	125179	19.872	ug/l 89
23) tert-Butyl Alcohol	4.79	59	42380	107.510	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	299542	19.696	ug/l # 81
25) Chloroform	7.38	83	213627	19.511	ug/l 98
26) Cyclohexane	7.66	56	163808	19.907	ug/l # 83
29) 1,1-Dichloropropene	7.80	75	152739	19.448	ug/l 95
30) 2-Butanone	6.84	43	180780	94.515	ug/l 96
31) 2,2-Dichloropropane	6.83	77	184802	18.888	ug/l # 80
32) 1,1,1-Trichloroethane	7.57	97	206143	19.518	ug/l 96
33) Carbon Tetrachloride	7.78	117	187623	19.595	ug/l 92
34) Benzene	8.04	78	462474	19.466	ug/l # 72
35) Methacrylonitrile	7.17	41	38911	18.433	ug/l 81
36) 1,2-Dichloroethane	8.13	62	155627	19.572	ug/l 98
37) Trichloroethene	8.84	130	131663	19.930	ug/l 98
38) Methylcyclohexane	9.08	83	189527	19.057	ug/l 84
39) 1,2-Dichloropropane	9.12	63	114896	19.745	ug/l 95
40) Dibromomethane	9.21	93	79012	19.627	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	172104	19.157	ug/l	96
42) Vinyl Acetate	5.90	43	1114191	98.862	ug/l #	95
43) Ethyl Acetate	6.93	43	82822	20.579	ug/l #	87
44) Isopropyl Acetate	8.17	43	178858	20.094	ug/l	96
45) 1,4-Dioxane	9.20	88	22267	395.922	ug/l #	79
46) Methyl methacrylate	9.20	41	79720	20.089	ug/l	84
48) t-1,3-Dichloropropene	10.38	75	167900	18.473	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	184061	18.790	ug/l #	89
50) 1,1,2-Trichloroethane	10.56	97	108127	19.045	ug/l	95
51) Ethyl methacrylate	10.43	69	132790	18.391	ug/l	86
52) 1,3-Dichloropropane	10.71	76	171380	18.955	ug/l	98
53) Dibromochloromethane	10.90	129	133656	17.923	ug/l	97
54) 1,2-Dibromoethane	11.01	107	109776	18.431	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	276735	92.514	ug/l	96
56) Bromoform	12.13	173	88637	16.580	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	455782	109.119	ug/l #	95
59) 2-Hexanone	10.75	43	284521	100.637	ug/l	96
61) Tetrachloroethene	10.63	164	121838	20.329	ug/l	98
62) Toluene	10.16	91	513287	19.918	ug/l	99
64) Chlorobenzene	11.43	112	319557	19.320	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	128392	19.072	ug/l	98
66) Ethyl Benzene	11.51	91	558477	19.265	ug/l	98
67) m/p-Xylenes	11.62	106	425507	36.698	ug/l	98
68) o-Xylene	11.95	106	214575	18.763	ug/l	94
69) Styrene	11.97	104	329851	18.077	ug/l	98
70) Isopropylbenzene	12.25	105	575836	18.739	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	128503	20.024	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	114371m	22.341	ug/l	
73) Bromobenzene	12.53	156	135939	18.393	ug/l	88
74) n-propylbenzene	12.59	91	617113	18.243	ug/l	96
75) 2-Chlorotoluene	12.68	91	359911	18.209	ug/l	94
76) 1,3,5-Trimethylbenzene	12.73	105	473888	18.174	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	34099	17.865	ug/l	97
78) 4-Chlorotoluene	12.77	91	344721	17.402	ug/l	94
79) tert-butylbenzene	12.99	119	429515	18.315	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	465358	17.942	ug/l	98
81) sec-Butylbenzene	13.17	105	572054	18.234	ug/l	98
82) p-Isopropyltoluene	13.29	119	490102	17.733	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	226211	17.115	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	209975	16.625	ug/l	97
85) n-Butylbenzene	13.62	91	376327	17.227	ug/l	96
86) Hexachloroethane	13.87	117	101535	18.568	ug/l	86
87) 1,2-Dichlorobenzene	13.65	146	224444	17.330	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20496	19.397	ug/l #	84
89) 1,2,4-Trichlorobenzene	14.91	180	87766	17.967	ug/l	98
90) Hexachlorobutadiene	15.01	225	73375	18.618	ug/l	98
91) Naphthalene	15.13	128	181155	14.813	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	91647	16.403	ug/l	93

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

