

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050308.D
 Acq On : 3 Aug 2018 12:27
 Operator : MD\SY
 Sample : VN0803WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0803WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:38:13 AM

Quant Time: Aug 03 23:20:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	125858	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	645518	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	561145	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	258817	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	12.40	95	247454	28.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.67%
63) Toluene-d8	10.09	98	806248	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	137814	15.89	ug/l	98
3) Chloromethane	2.06	50	129658	14.50	ug/l	100
4) Vinyl Chloride	2.18	62	149643	15.72	ug/l	96
5) Bromomethane	2.56	94	40781	7.03	ug/l	98
6) Chloroethane	2.70	64	90775	16.12	ug/l	98
7) Trichlorofluoromethane	3.01	101	204763	16.46	ug/l	97
8) Diethyl Ether	3.41	74	77395	18.55	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	127499	16.85	ug/l	99
10) 1,1-Dichloroethene	3.73	96	109985	16.39	ug/l	95
11) Methyl Iodide	3.95	142	40814	4.13	ug/l	99
12) Methyl Acetate	4.33	43	194456	25.30	ug/l	95
13) Acrolein	3.61	56	13442	28.30	ug/l	95
14) Acrylonitrile	5.00	53	256276	99.91	ug/l	99
15) Acetone	3.82	58	67109	98.45	ug/l	97
16) Carbon Disulfide	4.05	76	291924	14.22	ug/l	99
17) Allyl chloride	4.32	41	183273	17.29	ug/l	99
18) Methylene Chloride	4.55	84	140876	18.19	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	118936	16.56	ug/l	96
20) Diisopropyl ether	5.96	45	415662	19.13	ug/l	95
21) 1,1-Dichloroethane	5.85	63	247319	18.10	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	143388	18.00	ug/l	98
23) tert-Butyl Alcohol	4.80	59	64281	112.16	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	357146	19.52	ug/l	98
25) Chloroform	7.37	83	255150	18.45	ug/l	99
26) Cyclohexane	7.66	56	168765	15.54	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	166358	16.61	ug/l	99
30) 2-Butanone	6.84	43	313202	99.63	ug/l	99
31) 2,2-Dichloropropane	6.82	77	189387	17.10	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	208899	17.72	ug/l	99
33) Carbon Tetrachloride	7.78	117	181851	17.30	ug/l	100
34) Benzene	8.04	78	547416	17.99	ug/l	99
35) Methacrylonitrile	7.18	41	55168	15.41	ug/l	97
36) 1,2-Dichloroethane	8.13	62	188054	18.83	ug/l	100
37) Trichloroethene	8.84	130	139098	17.43	ug/l	99
38) Methylcyclohexane	9.08	83	161837	15.32	ug/l	99
39) 1,2-Dichloropropane	9.12	63	148263	18.50	ug/l	97
40) Dibromomethane	9.21	93	93628	18.90	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	196018	18.76	ug/l	98
42) Vinyl Acetate	5.90	43	1347055	91.06	ug/l	99
43) Ethyl Acetate	6.94	43	131099	19.97	ug/l	94
44) Isopropyl Acetate	8.17	43	267700	22.01	ug/l	92
45) 1,4-Dioxane	9.20	88	34324	428.95	ug/l	95
46) Methyl methacrylate	9.20	41	115880	19.66	ug/l	99
47) n-amyl Acetate	12.07	43	166144	17.56	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	186179	18.69	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	214313	18.31	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	140456	19.75	ug/l	98
51) Ethyl methacrylate	10.43	69	161950	18.77	ug/l	98
52) 1,3-Dichloropropane	10.71	76	223173	19.11	ug/l	100
53) Dibromochloromethane	10.90	129	148179	18.36	ug/l	98
54) 1,2-Dibromoethane	11.01	107	131361	18.86	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	354639	90.80	ug/l	99
56) Bromoform	12.13	173	104354	18.31	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	706072	108.14	ug/l	100
59) 2-Hexanone	10.75	43	461198	103.53	ug/l	98
61) Tetrachloroethene	10.63	164	129671	17.06	ug/l	98
62) Toluene	10.16	91	577835	18.05	ug/l	99
64) Chlorobenzene	11.44	112	351602	18.11	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	144903	19.14	ug/l	100
66) Ethyl Benzene	11.51	91	571431	17.47	ug/l	99
67) m/p-Xylenes	11.62	106	444139	35.27	ug/l	99
68) o-Xylene	11.95	106	212116	17.71	ug/l	99
69) Styrene	11.97	104	342876	17.85	ug/l	100
70) Isopropylbenzene	12.25	105	569103	17.84	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	178439	20.37	ug/l	97
72) 1,2,3-Trichloropropane	12.56	75	152241m	20.35	ug/l	
73) Bromobenzene	12.53	156	150412	17.70	ug/l	95
74) n-propylbenzene	12.59	91	634686	17.08	ug/l	99
75) 2-Chlorotoluene	12.68	91	397131	17.79	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	467414	17.84	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	40456	16.54	ug/l	93
78) 4-Chlorotoluene	12.78	91	388300	17.56	ug/l	99
79) tert-butylbenzene	12.99	119	396028	17.68	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	471071	17.74	ug/l	99
81) sec-Butylbenzene	13.17	105	519166	17.06	ug/l	100
82) p-Isopropyltoluene	13.29	119	443534	17.08	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	251280	16.98	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	237778	17.00	ug/l	99
85) n-Butylbenzene	13.62	91	320927	15.23	ug/l	100
86) Hexachloroethane	13.88	117	86595	16.69	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	260805	18.03	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	27352	20.04	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	100885	14.60	ug/l	100
90) Hexachlorobutadiene	15.01	225	76968	16.90	ug/l	97
91) Naphthalene	15.14	128	221060	17.85	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	112148	15.96	ug/l	99

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

