

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050765.D
 Acq On : 20 Aug 2018 11:19
 Operator : MD\SY
 Sample : VN0820WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 2:12:59 PM

Quant Time: Aug 21 03:06:53 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	116673	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	634872	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	560644	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	230271	29.04	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.80%
60) 4-Bromofluorobenzene	12.40	95	253642	29.45	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.17%
63) Toluene-d8	10.09	98	808530	30.19	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.63%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	119168	14.82	ug/l	96
3) Chloromethane	2.06	50	158684	19.14	ug/l	100
4) Vinyl Chloride	2.18	62	158838	18.00	ug/l	97
5) Bromomethane	2.57	94	90152	16.76	ug/l	94
6) Chloroethane	2.70	64	99089	18.98	ug/l	98
7) Trichlorofluoromethane	3.01	101	212985	18.47	ug/l	99
8) Diethyl Ether	3.41	74	70238	18.16	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	135188	19.27	ug/l	98
10) 1,1-Dichloroethene	3.74	96	118805	19.10	ug/l	97
11) Methyl Iodide	3.95	142	76811	8.39	ug/l	100
12) Methyl Acetate	4.33	43	110561	15.52	ug/l	99
13) Acrolein	3.61	56	29428	66.82	ug/l	98
14) Acrylonitrile	5.00	53	203477	85.58	ug/l	98
15) Acetone	3.82	58	65489	103.64	ug/l	87
16) Carbon Disulfide	4.05	76	353995	18.60	ug/l	99
17) Allyl chloride	4.33	41	183949	18.72	ug/l	95
18) Methylene Chloride	4.55	84	145562	20.28	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	129301	19.41	ug/l	97
20) Diisopropyl ether	5.95	45	410833	20.40	ug/l	98
21) 1,1-Dichloroethane	5.85	63	245035	19.35	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	145268	19.67	ug/l	98
23) tert-Butyl Alcohol	4.79	59	36528	68.75	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	305627	18.02	ug/l	98
25) Chloroform	7.37	83	252778	19.71	ug/l	99
26) Cyclohexane	7.65	56	193986	19.27	ug/l	99
29) 1,1-Dichloropropene	7.79	75	182394	18.51	ug/l	100
30) 2-Butanone	6.84	43	289591	93.67	ug/l	# 94
31) 2,2-Dichloropropane	6.82	77	200472	18.41	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	208355	17.97	ug/l	99
33) Carbon Tetrachloride	7.77	117	186686	18.06	ug/l	100
34) Benzene	8.04	78	561637	18.77	ug/l	98
35) Methacrylonitrile	7.17	41	52369	14.88	ug/l	95
36) 1,2-Dichloroethane	8.12	62	170304	17.33	ug/l	100
37) Trichloroethene	8.83	130	146118	18.62	ug/l	97
38) Methylcyclohexane	9.08	83	187659	18.07	ug/l	100
39) 1,2-Dichloropropane	9.12	63	150938	19.15	ug/l	98
40) Dibromomethane	9.21	93	86070	17.67	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	186644	18.16	ug/l	100
42) Vinyl Acetate	5.90	43	1236440	84.98	ug/l	100
43) Ethyl Acetate	6.93	43	104745	16.22	ug/l #	90
44) Isopropyl Acetate	8.17	43	182075	15.22	ug/l	97
45) 1,4-Dioxane	9.20	88	24026	305.29	ug/l #	93
46) Methyl methacrylate	9.20	41	86712	14.96	ug/l	95
47) n-amyl Acetate	12.07	43	138593	14.89	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	175828	17.95	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	211121	18.34	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	125388	17.93	ug/l	98
51) Ethyl methacrylate	10.43	69	135011	15.91	ug/l	99
52) 1,3-Dichloropropane	10.71	76	205693	17.91	ug/l	99
53) Dibromochloromethane	10.90	129	140053	17.65	ug/l	99
54) 1,2-Dibromoethane	11.01	107	119525	17.45	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	343637	89.46	ug/l	99
56) Bromoform	12.13	173	93956	16.77	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	635926	97.48	ug/l	98
59) 2-Hexanone	10.75	43	410444	92.22	ug/l	99
61) Tetrachloroethene	10.63	164	134531	17.72	ug/l	97
62) Toluene	10.16	91	607786	19.00	ug/l	100
64) Chlorobenzene	11.43	112	370685	19.11	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	141348	18.68	ug/l	99
66) Ethyl Benzene	11.51	91	602244	18.42	ug/l	100
67) m/p-Xylenes	11.62	106	481261	38.26	ug/l	99
68) o-Xylene	11.95	106	228094	19.06	ug/l	98
69) Styrene	11.96	104	365092	19.03	ug/l	100
70) Isopropylbenzene	12.25	105	599000	18.79	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	152986	17.48	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	119394m	15.97	ug/l	
73) Bromobenzene	12.53	156	154784	18.23	ug/l	99
74) n-propylbenzene	12.59	91	683535	18.41	ug/l	100
75) 2-Chlorotoluene	12.67	91	419606	18.82	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	498098	19.02	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	33890	13.87	ug/l	90
78) 4-Chlorotoluene	12.77	91	412077	18.65	ug/l	99
79) tert-butylbenzene	12.99	119	418956	18.72	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	506945	19.11	ug/l	99
81) sec-Butylbenzene	13.17	105	568320	18.69	ug/l	100
82) p-Isopropyltoluene	13.29	119	485195	18.70	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	263430	17.82	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	246857	17.67	ug/l	99
85) n-Butylbenzene	13.62	91	359319	17.06	ug/l	98
86) Hexachloroethane	13.87	117	91253	17.60	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	258956	17.92	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18747	13.75	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	97913	14.18	ug/l	99
90) Hexachlorobutadiene	15.01	225	84512	18.57	ug/l	99
91) Naphthalene	15.13	128	175700	15.76	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	98979	14.10	ug/l	98

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

