

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050717.D
 Acq On : 17 Aug 2018 9:12
 Operator : MD\SY
 Sample : VN0817WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0817WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/20/2018 10:35:58 AM

Quant Time: Aug 17 14:29:42 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	115838	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	617690	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	551557	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	225436	28.63	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.43%
60) 4-Bromofluorobenzene	12.40	95	248463	29.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.73%
63) Toluene-d8	10.09	98	785952	29.83	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.43%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	122441	15.34	ug/l	97
3) Chloromethane	2.06	50	162877	19.79	ug/l	97
4) Vinyl Chloride	2.18	62	164411	18.76	ug/l	95
5) Bromomethane	2.57	94	98367	18.42	ug/l	100
6) Chloroethane	2.70	64	100999	19.49	ug/l	99
7) Trichlorofluoromethane	3.01	101	219214	19.15	ug/l	98
8) Diethyl Ether	3.41	74	71794	18.69	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	139467	20.02	ug/l	99
10) 1,1-Dichloroethene	3.73	96	122402	19.82	ug/l	94
11) Methyl Iodide	3.95	142	81136	8.93	ug/l	96
12) Methyl Acetate	4.33	43	111185	15.72	ug/l	100
13) Acrolein	3.61	56	35282	80.69	ug/l	100
14) Acrylonitrile	4.99	53	205390	87.00	ug/l	99
15) Acetone	3.81	58	64209	102.34	ug/l	83
16) Carbon Disulfide	4.05	76	367577	19.45	ug/l	99
17) Allyl chloride	4.32	41	189821	19.46	ug/l	95
18) Methylene Chloride	4.55	84	144554	20.28	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	133769	20.23	ug/l	96
20) Diisopropyl ether	5.95	45	415794	20.79	ug/l	97
21) 1,1-Dichloroethane	5.85	63	255439	20.31	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	147611	20.13	ug/l	100
23) tert-Butyl Alcohol	4.80	59	36573	69.33	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	307556	18.26	ug/l	99
25) Chloroform	7.37	83	258600	20.31	ug/l	98
26) Cyclohexane	7.65	56	204448	20.46	ug/l #	97
29) 1,1-Dichloropropene	7.79	75	188908	19.71	ug/l	99
30) 2-Butanone	6.84	43	287838	95.69	ug/l	99
31) 2,2-Dichloropropane	6.83	77	200042	18.88	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	216741	19.21	ug/l	99
33) Carbon Tetrachloride	7.77	117	196235	19.51	ug/l	99
34) Benzene	8.04	78	580519	19.94	ug/l	98
35) Methacrylonitrile	7.17	41	57502	16.79	ug/l	97
36) 1,2-Dichloroethane	8.12	62	179389	18.77	ug/l	100
37) Trichloroethene	8.84	130	151450	19.84	ug/l	96
38) Methylcyclohexane	9.08	83	195361	19.33	ug/l	99
39) 1,2-Dichloropropane	9.12	63	151715	19.78	ug/l	100
40) Dibromomethane	9.21	93	88903	18.76	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	193685	19.37	ug/l	96
42) Vinyl Acetate	5.90	43	1276566	90.18	ug/l	100
43) Ethyl Acetate	6.93	43	105157	16.74	ug/l #	91
44) Isopropyl Acetate	8.17	43	188716	16.22	ug/l	99
45) 1,4-Dioxane	9.20	88	24839	324.40	ug/l	96
46) Methyl methacrylate	9.20	41	88668	15.72	ug/l	97
47) n-amyl Acetate	12.07	43	144065	15.91	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	180219	18.91	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	214703	19.17	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	126625	18.61	ug/l	97
51) Ethyl methacrylate	10.43	69	140094	16.96	ug/l	97
52) 1,3-Dichloropropane	10.71	76	212164	18.99	ug/l	99
53) Dibromochloromethane	10.90	129	142584	18.47	ug/l	98
54) 1,2-Dibromoethane	11.01	107	121967	18.30	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	305739	81.80	ug/l	99
56) Bromoform	12.13	173	95203	17.46	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	663120	103.32	ug/l	99
59) 2-Hexanone	10.75	43	421185	96.20	ug/l	100
61) Tetrachloroethene	10.63	164	141753	18.97	ug/l	99
62) Toluene	10.16	91	621731	19.76	ug/l	100
64) Chlorobenzene	11.43	112	379180	19.87	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	144903	19.47	ug/l	99
66) Ethyl Benzene	11.51	91	624380	19.42	ug/l	100
67) m/p-Xylenes	11.62	106	497793	40.22	ug/l	98
68) o-Xylene	11.95	106	233652	19.84	ug/l	99
69) Styrene	11.96	104	374541	19.84	ug/l	99
70) Isopropylbenzene	12.25	105	623439	19.88	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	156906	18.22	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	126149m	17.15	ug/l	
73) Bromobenzene	12.53	156	156810	18.77	ug/l	98
74) n-propylbenzene	12.59	91	707198	19.36	ug/l	99
75) 2-Chlorotoluene	12.67	91	431400	19.67	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	517578	20.09	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	34249	14.24	ug/l	95
78) 4-Chlorotoluene	12.77	91	427264	19.65	ug/l	98
79) tert-butylbenzene	12.99	119	431035	19.57	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	521169	19.97	ug/l	98
81) sec-Butylbenzene	13.17	105	578051	19.32	ug/l	99
82) p-Isopropyltoluene	13.29	119	495400	19.41	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	271912	18.69	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	253783	18.46	ug/l	99
85) n-Butylbenzene	13.62	91	365493	17.64	ug/l	99
86) Hexachloroethane	13.87	117	94502	18.53	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	265922	18.70	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	19641	14.64	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	106543	15.69	ug/l	99
90) Hexachlorobutadiene	15.01	225	85370	19.07	ug/l	96
91) Naphthalene	15.13	128	189289	16.53	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	108442	15.70	ug/l	99

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

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