

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053463.D
 Acq On : 18 Jan 2019 10:54
 Operator : JC/SP
 Sample : VN0118WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:46:34 AM

Quant Time: Jan 19 00:13:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	128106	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	707524	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	631189	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	240647	29.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.57%
60) 4-Bromofluorobenzene	12.40	95	292686	30.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.00%
63) Toluene-d8	10.09	98	860684	30.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	122301	14.328	ug/l 98
3) Chloromethane	2.06	50	159363	15.908	ug/l 99
4) Vinyl Chloride	2.19	62	155870	15.811	ug/l 96
5) Bromomethane	2.57	94	105653	16.623	ug/l 97
6) Chloroethane	2.71	64	96080	16.920	ug/l 99
7) Trichlorofluoromethane	3.02	101	216565	17.789	ug/l 100
8) Diethyl Ether	3.41	74	82609	18.264	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136939	17.903	ug/l 95
10) 1,1-Dichloroethene	3.74	96	129810	17.391	ug/l 94
11) Methyl Iodide	3.96	142	192198	17.582	ug/l 100
12) Methyl Acetate	4.33	43	126107	21.676	ug/l 98
13) Acrolein	3.61	56	64976	93.542	ug/l 96
14) Acrylonitrile	4.99	53	263474	101.229	ug/l 98
15) Acetone	3.82	58	67354	121.763	ug/l 97
16) Carbon Disulfide	4.06	76	370419	16.131	ug/l 100
17) Allyl chloride	4.33	41	194598	16.572	ug/l 97
18) Methylene Chloride	4.55	84	151548	17.740	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	137721	17.458	ug/l 93
20) Diisopropyl ether	5.95	45	451615	17.958	ug/l 98
21) 1,1-Dichloroethane	5.85	63	261945	17.890	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	161543	18.179	ug/l 97
23) tert-Butyl Alcohol	4.78	59	44883	102.295	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	362576	18.628	ug/l # 77
25) Chloroform	7.37	83	258119	18.340	ug/l 98
26) Cyclohexane	7.66	56	231406	16.944	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	196167	18.304	ug/l 99
30) 2-Butanone	6.84	43	299980	112.193	ug/l 98
31) 2,2-Dichloropropane	6.82	77	192081	18.513	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	215026	19.149	ug/l 97
33) Carbon Tetrachloride	7.78	117	186856	19.011	ug/l 98
34) Benzene	8.04	78	611091	18.973	ug/l 99
35) Methacrylonitrile	7.18	41	71650	20.767	ug/l 94
36) 1,2-Dichloroethane	8.13	62	184697	19.753	ug/l 98
37) Trichloroethene	8.84	130	165699	18.991	ug/l 95
38) Methylcyclohexane	9.08	83	232098	18.516	ug/l 97
39) 1,2-Dichloropropane	9.12	63	160734	19.111	ug/l 98
40) Dibromomethane	9.21	93	95731	20.127	ug/l 95

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

41) Bromodichloromethane	9.40	83	195819	19.171	ug/l	98
42) Vinyl Acetate	5.90	43	1446299	99.148	ug/l	97
43) Ethyl Acetate	6.93	43	132438	22.180	ug/l #	70
44) Isopropyl Acetate	8.17	43	236609	21.272	ug/l #	81
45) 1,4-Dioxane	9.20	88	25330	372.402	ug/l	91
46) Methyl methacrylate	9.20	41	111967	19.926	ug/l	94
47) n-amyl Acetate	12.07	43	200553	20.531	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	197270	18.922	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	229350	18.683	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	140218	20.560	ug/l	99
51) Ethyl methacrylate	10.43	69	177026	19.917	ug/l	91
52) 1,3-Dichloropropane	10.71	76	237744	20.237	ug/l	99
53) Dibromochloromethane	10.90	129	154148	20.125	ug/l	99
54) 1,2-Dibromoethane	11.01	107	139688	20.304	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	514269	100.819	ug/l	98
56) Bromoform	12.13	173	106902	20.402	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	663969	110.393	ug/l	97
59) 2-Hexanone	10.75	43	460790	110.974	ug/l	97
61) Tetrachloroethene	10.63	164	182689	19.586	ug/l	98
62) Toluene	10.16	91	652967	18.863	ug/l	99
64) Chlorobenzene	11.43	112	415369	19.122	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	145907	19.148	ug/l	99
66) Ethyl Benzene	11.51	91	699030	18.621	ug/l	97
67) m/p-Xylenes	11.62	106	542667	38.223	ug/l	96
68) o-Xylene	11.95	106	262373	19.071	ug/l	98
69) Styrene	11.96	104	431243	19.203	ug/l	98
70) Isopropylbenzene	12.25	105	693418	19.156	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	164938	21.646	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	132162m	19.806	ug/l	
73) Bromobenzene	12.53	156	183543	19.726	ug/l	93
74) n-propylbenzene	12.59	91	800311	19.531	ug/l	98
75) 2-Chlorotoluene	12.67	91	475795	19.606	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	569149	19.821	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	45329	19.334	ug/l	98
78) 4-Chlorotoluene	12.77	91	476693	19.297	ug/l	98
79) tert-butylbenzene	12.99	119	498132	19.892	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	583760	20.284	ug/l	100
81) sec-Butylbenzene	13.17	105	684818	20.651	ug/l	99
82) p-Isopropyltoluene	13.29	119	591352	20.637	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	322501	20.356	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	314264	20.350	ug/l	98
85) n-Butylbenzene	13.62	91	485203	20.822	ug/l	99
86) Hexachloroethane	13.88	117	91245	19.944	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	315292	21.418	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24036	22.057	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	134870	18.876	ug/l	98
90) Hexachlorobutadiene	15.01	225	99542	23.016	ug/l	98
91) Naphthalene	15.13	128	236222	15.582	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	101524	15.926	ug/l	98

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

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