

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051628.D
 Acq On : 1 Oct 2018 11:12
 Operator : MD\SY
 Sample : VN1001WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 3:03:52 PM

Quant Time: Oct 02 01:13:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	104167	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	565432	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	490078	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	223114	30.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.53%
60) 4-Bromofluorobenzene	12.40	95	227996	30.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.83%
63) Toluene-d8	10.09	98	705115	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	190411	20.829	ug/l 97
3) Chloromethane	2.06	50	217534	21.264	ug/l 98
4) Vinyl Chloride	2.19	62	186617	18.596	ug/l 99
5) Bromomethane	2.57	94	98608	18.916	ug/l 96
6) Chloroethane	2.71	64	93385	18.549	ug/l 98
7) Trichlorofluoromethane	3.02	101	239004	19.492	ug/l 100
8) Diethyl Ether	3.41	74	73853	19.176	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	146831	21.185	ug/l 98
10) 1,1-Dichloroethene	3.74	96	127232	20.228	ug/l 99
11) Methyl Iodide	3.95	142	158988	19.637	ug/l 98
12) Methyl Acetate	4.33	43	109103	19.655	ug/l 95
13) Acrolein	3.61	56	50583	82.479	ug/l 99
14) Acrylonitrile	4.99	53	221580	99.672	ug/l 97
15) Acetone	3.82	58	58093	99.666	ug/l 99
16) Carbon Disulfide	4.05	76	395357	19.506	ug/l 100
17) Allyl chloride	4.33	41	220116	19.563	ug/l 98
18) Methylene Chloride	4.55	84	148693	20.563	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	133981	20.067	ug/l 99
20) Diisopropyl ether	5.96	45	464327	20.803	ug/l 99
21) 1,1-Dichloroethane	5.85	63	270365	20.437	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	146887	20.144	ug/l 100
23) tert-Butyl Alcohol	4.79	59	39502	92.894	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	327136	19.790	ug/l 100
25) Chloroform	7.37	83	265534	20.993	ug/l 100
26) Cyclohexane	7.65	56	232510	20.310	ug/l 99
29) 1,1-Dichloropropene	7.80	75	198050	20.541	ug/l 99
30) 2-Butanone	6.84	43	256207	97.635	ug/l 100
31) 2,2-Dichloropropane	6.83	77	213519	20.519	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	220292	20.335	ug/l 99
33) Carbon Tetrachloride	7.78	117	202057	20.752	ug/l 99
34) Benzene	8.04	78	592238	20.704	ug/l 99
35) Methacrylonitrile	7.18	41	61224	20.752	ug/l 97
36) 1,2-Dichloroethane	8.13	62	186813	20.488	ug/l 99
37) Trichloroethene	8.84	130	149439	20.348	ug/l 97
38) Methylcyclohexane	9.08	83	216712	19.478	ug/l 99
39) 1,2-Dichloropropane	9.12	63	164649	21.006	ug/l 98
40) Dibromomethane	9.21	93	88461	20.317	ug/l 99

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

41) Bromodichloromethane	9.40	83	191862	20.187	ug/l	96
42) Vinyl Acetate	5.90	43	1434343	98.182	ug/l	100
43) Ethyl Acetate	6.93	43	110081	19.818	ug/l #	81
44) Isopropyl Acetate	8.17	43	202044	18.577	ug/l	99
45) 1,4-Dioxane	9.20	88	23373	397.281	ug/l	95
46) Methyl methacrylate	9.20	41	97729	19.317	ug/l	97
47) n-amyl Acetate	12.07	43	146059	17.949	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	183125	19.305	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	220907	19.919	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	126353	20.534	ug/l	98
51) Ethyl methacrylate	10.43	69	137797	18.457	ug/l	97
52) 1,3-Dichloropropane	10.71	76	211926	20.087	ug/l	98
53) Dibromochloromethane	10.90	129	141647	20.212	ug/l	99
54) 1,2-Dibromoethane	11.01	107	117417	19.887	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	331527	89.842	ug/l	100
56) Bromoform	12.13	173	92284	19.845	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	563109	101.203	ug/l	99
59) 2-Hexanone	10.75	43	355011	96.984	ug/l	98
61) Tetrachloroethene	10.63	164	143285	20.651	ug/l	98
62) Toluene	10.16	91	610040	20.301	ug/l	100
64) Chlorobenzene	11.43	112	360878	19.862	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	141347	20.373	ug/l	99
66) Ethyl Benzene	11.51	91	599358	19.488	ug/l	99
67) m/p-Xylenes	11.62	106	485856	40.990	ug/l	99
68) o-Xylene	11.95	106	226877	20.051	ug/l	97
69) Styrene	11.96	104	354014	19.933	ug/l	100
70) Isopropylbenzene	12.25	105	602342	19.957	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	150305	20.583	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	133788m	21.429	ug/l	
73) Bromobenzene	12.53	156	147530	19.642	ug/l	98
74) n-propylbenzene	12.59	91	698824	19.889	ug/l	99
75) 2-Chlorotoluene	12.67	91	417905	19.918	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	512456	20.319	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36907	18.665	ug/l	93
78) 4-Chlorotoluene	12.77	91	411908	19.875	ug/l	99
79) tert-butylbenzene	12.99	119	426599	19.524	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	517570	20.547	ug/l	99
81) sec-Butylbenzene	13.17	105	610245	20.219	ug/l	99
82) p-Isopropyltoluene	13.29	119	514468	19.944	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	260056	19.870	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	233106	18.947	ug/l	98
85) n-Butylbenzene	13.62	91	401595	18.967	ug/l	99
86) Hexachloroethane	13.87	117	103138	19.990	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	259849	20.295	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18568	17.446	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	98247	16.395	ug/l	99
90) Hexachlorobutadiene	15.01	225	101363	20.748	ug/l	95
91) Naphthalene	15.13	128	162848	17.521	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	103706	17.207	ug/l	98

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

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