

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052200.D
 Acq On : 7 Nov 2018 11:24
 Operator : MD\SY
 Sample : VN1107WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:13:52 AM

Quant Time: Nov 07 11:45:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	68598	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.58	114	396614	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	350641	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	147043	28.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.27%
60) 4-Bromofluorobenzene	12.40	95	161942	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	10.09	98	497963	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	95139	20.766	ug/l 97
3) Chloromethane	2.06	50	104284	19.916	ug/l 99
4) Vinyl Chloride	2.19	62	101577	19.775	ug/l 99
5) Bromomethane	2.58	94	68778	19.616	ug/l 97
6) Chloroethane	2.71	64	60572	18.442	ug/l 99
7) Trichlorofluoromethane	3.02	101	141827	20.389	ug/l 92
8) Diethyl Ether	3.41	74	44731	19.045	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	86417	21.256	ug/l 96
10) 1,1-Dichloroethene	3.74	96	75772	19.974	ug/l 93
11) Methyl Iodide	3.96	142	104870	19.120	ug/l 95
12) Methyl Acetate	4.32	43	62736	19.648	ug/l 99
13) Acrolein	3.61	56	28514	84.192	ug/l 93
14) Acrylonitrile	4.98	53	129536	91.480	ug/l 98
15) Acetone	3.82	58	34303	102.500	ug/l 79
16) Carbon Disulfide	4.06	76	213665	19.076	ug/l 100
17) Allyl chloride	4.33	41	123505	19.175	ug/l 98
18) Methylene Chloride	4.55	84	88126	18.821	ug/l # 88
19) trans-1,2-Dichloroethene	5.05	96	82701	19.897	ug/l 92
20) Diisopropyl ether	5.95	45	285723	20.414	ug/l 97
21) 1,1-Dichloroethane	5.85	63	162779	19.901	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	94407	19.451	ug/l 99
23) tert-Butyl Alcohol	4.78	59	20288	91.958	ug/l 100
24) Methyl tert-Butyl Ether	5.05	73	201539m	18.740	ug/l
25) Chloroform	7.37	83	159321	19.398	ug/l 94
26) Cyclohexane	7.65	56	147551	20.123	ug/l # 94
29) 1,1-Dichloropropene	7.79	75	123351	19.589	ug/l 97
30) 2-Butanone	6.84	43	165627	98.770	ug/l # 78
31) 2,2-Dichloropropane	6.83	77	122991	18.961	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	135022	19.165	ug/l 98
33) Carbon Tetrachloride	7.78	117	121156	19.336	ug/l 96
34) Benzene	8.04	78	367060	19.908	ug/l 99
35) Methacrylonitrile	7.20	41	58839m	25.582	ug/l
36) 1,2-Dichloroethane	8.12	62	117645	19.084	ug/l 99
37) Trichloroethene	8.84	130	91450	19.817	ug/l 88
38) Methylcyclohexane	9.08	83	150125	19.544	ug/l 99
39) 1,2-Dichloropropane	9.12	63	94559	19.267	ug/l 94
40) Dibromomethane	9.21	93	58187	19.234	ug/l 97

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

41) Bromodichloromethane	9.40	83	119873	19.367	ug/l	96
42) Vinyl Acetate	5.90	43	935452	95.290	ug/l	100
43) Ethyl Acetate	6.84	43	165627	19.654	ug/l #	86
44) Isopropyl Acetate	8.16	43	131945	18.910	ug/l #	63
45) 1,4-Dioxane	9.20	88	11614	364.877	ug/l #	80
46) Methyl methacrylate	9.20	41	68025	19.586	ug/l	95
47) n-amyl Acetate	12.07	43	109146	17.257	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	117162	19.062	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	136713	19.271	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	76802	19.199	ug/l	95
51) Ethyl methacrylate	10.43	69	94030	18.187	ug/l	96
52) 1,3-Dichloropropane	10.71	76	135640	19.466	ug/l	98
53) Dibromochloromethane	10.90	129	82483	19.099	ug/l	97
54) 1,2-Dibromoethane	11.00	107	76833	18.940	ug/l	95
55) 2-Chloroethyl vinyl ether	9.69	63	273848	96.728	ug/l	100
56) Bromoform	12.13	173	45944	18.419	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	351771	93.623	ug/l	99
59) 2-Hexanone	10.75	43	244213	94.399	ug/l	99
61) Tetrachloroethene	10.63	164	83582	21.918	ug/l	93
62) Toluene	10.16	91	395083	20.072	ug/l	99
64) Chlorobenzene	11.43	112	246213	19.736	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	85544	20.147	ug/l	97
66) Ethyl Benzene	11.51	91	421068	19.804	ug/l	100
67) m/p-Xylenes	11.62	106	327969	40.066	ug/l	96
68) o-Xylene	11.95	106	157914	20.234	ug/l	94
69) Styrene	11.96	104	247856	19.709	ug/l	96
70) Isopropylbenzene	12.25	105	412822	19.705	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	85062	18.459	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	66412m	16.391	ug/l	
73) Bromobenzene	12.52	156	94031	20.256	ug/l	91
74) n-propylbenzene	12.59	91	483578	19.821	ug/l	99
75) 2-Chlorotoluene	12.67	91	280455	19.939	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	335217	19.954	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	21513	16.969	ug/l	95
78) 4-Chlorotoluene	12.77	91	278902	19.691	ug/l	98
79) tert-butylbenzene	12.99	119	291412	19.914	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	332924	19.893	ug/l	99
81) sec-Butylbenzene	13.17	105	405096	20.115	ug/l	99
82) p-Isopropyltoluene	13.29	119	343566	20.187	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	171501	20.886	ug/l	93
84) 1,4-Dichlorobenzene	13.36	146	162765	20.023	ug/l	96
85) n-Butylbenzene	13.61	91	288142	19.561	ug/l	99
86) Hexachloroethane	13.87	117	55720	19.401	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	163123	20.909	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12414	19.701	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	63737	20.126	ug/l	96
90) Hexachlorobutadiene	15.01	225	39592	22.851	ug/l	95
91) Naphthalene	15.13	128	142271	19.491	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	57572	20.859	ug/l	97

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

