

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053465.D
 Acq On : 18 Jan 2019 11:47
 Operator : JC/SP
 Sample : VN0118WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0118WBSD01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:47:52 AM

Quant Time: Jan 19 00:17:11 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	129768	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	729562	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	654490	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	251814	30.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.83%
60) 4-Bromofluorobenzene	12.40	95	303589	30.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.03%
63) Toluene-d8	10.09	98	883664	29.97	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	123375	14.269	ug/l 100
3) Chloromethane	2.06	50	161577	15.922	ug/l 99
4) Vinyl Chloride	2.19	62	163273	16.350	ug/l 97
5) Bromomethane	2.57	94	110798	17.209	ug/l 95
6) Chloroethane	2.71	64	97585	16.964	ug/l 98
7) Trichlorofluoromethane	3.02	101	224759	18.226	ug/l 98
8) Diethyl Ether	3.41	74	86476	18.874	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	138361	17.857	ug/l 96
10) 1,1-Dichloroethene	3.74	96	134200	17.749	ug/l 96
11) Methyl Iodide	3.96	142	200296	18.088	ug/l 99
12) Methyl Acetate	4.33	43	130452	22.135	ug/l 95
13) Acrolein	3.61	56	70113	99.645	ug/l 100
14) Acrylonitrile	4.99	53	274914	104.272	ug/l 99
15) Acetone	3.82	58	65099	116.179	ug/l 90
16) Carbon Disulfide	4.06	76	376255	16.176	ug/l 100
17) Allyl chloride	4.33	41	201610	16.949	ug/l 97
18) Methylene Chloride	4.55	84	159084	18.383	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	140970	17.641	ug/l 92
20) Diisopropyl ether	5.95	45	468152	18.378	ug/l 98
21) 1,1-Dichloroethane	5.85	63	270661	18.248	ug/l 97
22) cis-1,2-Dichloroethene	6.83	96	165635	18.401	ug/l 96
23) tert-Butyl Alcohol	4.78	59	50021m	112.545	ug/l
24) Methyl tert-Butyl Ether	5.05	73	380695	19.308	ug/l 96
25) Chloroform	7.37	83	267705	18.777	ug/l 98
26) Cyclohexane	7.66	56	237597	17.175	ug/l # 98
29) 1,1-Dichloropropene	7.80	75	202525	18.326	ug/l 98
30) 2-Butanone	6.84	43	310359	112.568	ug/l 98
31) 2,2-Dichloropropane	6.83	77	193946	18.129	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	224519	19.391	ug/l 97
33) Carbon Tetrachloride	7.78	117	192812	19.024	ug/l 99
34) Benzene	8.04	78	631357	19.010	ug/l 99
35) Methacrylonitrile	7.17	41	61195	17.201	ug/l 96
36) 1,2-Dichloroethane	8.12	62	194851	20.210	ug/l 98
37) Trichloroethene	8.84	130	172964	19.224	ug/l 94
38) Methylcyclohexane	9.08	83	235479	18.218	ug/l 97
39) 1,2-Dichloropropane	9.12	63	166222	19.167	ug/l 98
40) Dibromomethane	9.21	93	98533	20.090	ug/l 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	204204	19.388	ug/l	98
42) Vinyl Acetate	5.90	43	1502955	99.920	ug/l	97
43) Ethyl Acetate	6.84	43	310359	50.406	ug/l	100
44) Isopropyl Acetate	8.17	43	245939	21.443	ug/l #	81
45) 1,4-Dioxane	9.20	88	27556	392.891	ug/l	91
46) Methyl methacrylate	9.20	41	119031	20.543	ug/l	95
47) n-amyl Acetate	12.07	43	208566	20.706	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	206464	19.206	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	239064	18.886	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	143398	20.392	ug/l	98
51) Ethyl methacrylate	10.43	69	186491	20.348	ug/l	91
52) 1,3-Dichloropropane	10.71	76	242059	19.982	ug/l	100
53) Dibromochloromethane	10.90	129	156710	19.841	ug/l	98
54) 1,2-Dibromoethane	11.01	107	143932	20.289	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	527107	100.215	ug/l	98
56) Bromoform	12.13	173	111730	20.679	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	698041	111.926	ug/l	97
59) 2-Hexanone	10.75	43	480624	111.629	ug/l	97
61) Tetrachloroethene	10.63	164	190262	19.672	ug/l	94
62) Toluene	10.16	91	682639	19.018	ug/l	100
64) Chlorobenzene	11.43	112	428766	19.036	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	153303	19.402	ug/l	99
66) Ethyl Benzene	11.51	91	727437	18.688	ug/l	99
67) m/p-Xylenes	11.62	106	559456	38.002	ug/l	97
68) o-Xylene	11.95	106	271062	19.001	ug/l	97
69) Styrene	11.97	104	444949	19.108	ug/l	99
70) Isopropylbenzene	12.25	105	719080	19.158	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	170702	21.605	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	153455m	22.179	ug/l	
73) Bromobenzene	12.53	156	190819	19.778	ug/l	94
74) n-propylbenzene	12.59	91	823896	19.391	ug/l	98
75) 2-Chlorotoluene	12.68	91	490130	19.478	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	590554	19.835	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	49149	20.217	ug/l	94
78) 4-Chlorotoluene	12.77	91	500195	19.528	ug/l	99
79) tert-butylbenzene	12.99	119	518047	19.950	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	597578	20.025	ug/l	99
81) sec-Butylbenzene	13.17	105	708202	20.596	ug/l	99
82) p-Isopropyltoluene	13.29	119	610637	20.552	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	330535	20.121	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	322120	20.116	ug/l	99
85) n-Butylbenzene	13.62	91	498380	20.626	ug/l	99
86) Hexachloroethane	13.88	117	93204	19.647	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	321828	21.084	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25167	22.273	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	140956	19.026	ug/l	98
90) Hexachlorobutadiene	15.01	225	104526	23.308	ug/l	99
91) Naphthalene	15.13	128	247206	15.726	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	105623	15.979	ug/l	98

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

