

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052819.D
 Acq On : 12 Dec 2018 11:36
 Operator : MD\SY
 Sample : VN1212WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/13/2018 1:29:19 PM

Quant Time: Dec 13 03:56:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	151265	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	878182	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	775863	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	304925	29.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.60%
60) 4-Bromofluorobenzene	12.40	95	361122	30.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.47%
63) Toluene-d8	10.09	98	1053852	29.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	163217	18.946	ug/l 100
3) Chloromethane	2.06	50	208843	18.279	ug/l 100
4) Vinyl Chloride	2.19	62	216145	18.744	ug/l 97
5) Bromomethane	2.58	94	135618	20.626	ug/l 95
6) Chloroethane	2.71	64	132367	19.302	ug/l 97
7) Trichlorofluoromethane	3.03	101	286061	20.100	ug/l 99
8) Diethyl Ether	3.41	74	109666	20.869	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	185737	20.588	ug/l 97
10) 1,1-Dichloroethene	3.74	96	171739	20.246	ug/l 100
11) Methyl Iodide	3.96	142	222089	18.857	ug/l 100
12) Methyl Acetate	4.32	43	156212	21.674	ug/l 98
13) Acrolein	3.61	56	56857	67.157	ug/l 99
14) Acrylonitrile	4.99	53	325187	105.892	ug/l 96
15) Acetone	3.82	58	81493	102.468	ug/l 95
16) Carbon Disulfide	4.06	76	477537	17.781	ug/l 100
17) Allyl chloride	4.33	41	277157	18.735	ug/l 100
18) Methylene Chloride	4.55	84	199790	20.342	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	183660	20.119	ug/l 95
20) Diisopropyl ether	5.95	45	623557	20.058	ug/l 97
21) 1,1-Dichloroethane	5.85	63	356541	20.122	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	215440	20.592	ug/l 98
23) tert-Butyl Alcohol	4.78	59	58220	127.443	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	478646	21.509	ug/l 98
25) Chloroform	7.37	83	351292	20.551	ug/l 98
26) Cyclohexane	7.66	56	320557	19.182	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	271386	20.237	ug/l 98
30) 2-Butanone	6.83	43	385400	107.399	ug/l 99
31) 2,2-Dichloropropane	6.83	77	258945	20.974	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	294945	21.137	ug/l 98
33) Carbon Tetrachloride	7.77	117	253779	20.785	ug/l 99
34) Benzene	8.04	78	812364	20.148	ug/l 99
35) Methacrylonitrile	7.18	41	102241	22.964	ug/l 97
36) 1,2-Dichloroethane	8.13	62	245649	20.105	ug/l 99
37) Trichloroethene	8.84	130	220368	21.554	ug/l 97
38) Methylcyclohexane	9.08	83	327329	19.717	ug/l 98
39) 1,2-Dichloropropane	9.12	63	219492	20.308	ug/l 99
40) Dibromomethane	9.21	93	125219	21.440	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	261341	20.253	ug/l	99
42) Vinyl Acetate	5.90	43	1883067	96.985	ug/l	98
43) Ethyl Acetate	6.93	43	167358	21.933	ug/l #	68
44) Isopropyl Acetate	8.16	43	307260	22.960	ug/l	99
45) 1,4-Dioxane	9.20	88	36131	493.519	ug/l	94
46) Methyl methacrylate	9.20	41	149489	21.514	ug/l	98
47) n-amyl Acetate	12.07	43	247721	22.326	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	257742	20.600	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	308481	20.236	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	177430	21.431	ug/l	99
51) Ethyl methacrylate	10.43	69	227448	21.874	ug/l	95
52) 1,3-Dichloropropane	10.71	76	310612	21.078	ug/l	98
53) Dibromochloromethane	10.90	129	195603	21.460	ug/l	99
54) 1,2-Dibromoethane	11.01	107	176452	21.811	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	653813	107.420	ug/l	99
56) Bromoform	12.13	173	129577	21.749	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	837097	111.290	ug/l	99
59) 2-Hexanone	10.75	43	578103	112.510	ug/l	99
61) Tetrachloroethene	10.63	164	229186	23.984	ug/l	96
62) Toluene	10.16	91	880314	20.582	ug/l	100
64) Chlorobenzene	11.43	112	542181	20.768	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	196006	21.630	ug/l	98
66) Ethyl Benzene	11.51	91	943394	20.465	ug/l	98
67) m/p-Xylenes	11.62	106	714764	41.619	ug/l	99
68) o-Xylene	11.95	106	347458	20.845	ug/l	99
69) Styrene	11.96	104	558607	20.762	ug/l	100
70) Isopropylbenzene	12.25	105	936597	21.118	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	203845	21.129	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	189117m	22.835	ug/l	
73) Bromobenzene	12.53	156	235370	21.943	ug/l	94
74) n-propylbenzene	12.59	91	1069527	20.697	ug/l	99
75) 2-Chlorotoluene	12.68	91	633850	21.132	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	759562	21.204	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	54488	20.827	ug/l	100
78) 4-Chlorotoluene	12.77	91	634802	21.193	ug/l	100
79) tert-butylbenzene	12.99	119	673328	21.583	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	764232	21.321	ug/l	100
81) sec-Butylbenzene	13.17	105	918960	21.148	ug/l	99
82) p-Isopropyltoluene	13.29	119	784373	21.198	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	415415	22.020	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	404649	22.201	ug/l	99
85) n-Butylbenzene	13.62	91	645713	20.316	ug/l	99
86) Hexachloroethane	13.88	117	129937	20.726	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	397842	22.161	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31302	23.163	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	213587	24.148	ug/l	99
90) Hexachlorobutadiene	15.01	225	134449	23.172	ug/l	98
91) Naphthalene	15.13	128	431120	24.137	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	197683	24.253	ug/l	98

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

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