

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058376.D
 Acq On : 26 Sep 2019 11:39
 Operator : JC/SP
 Sample : VN0926WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0926WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/27/2019 11:19:03 AM

Quant Time: Sep 27 04:02:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75321	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	438784	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	396719	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	207704	31.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.97%
60) 4-Bromofluorobenzene	12.41	95	202099	29.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.13%
63) Toluene-d8	10.08	98	572434	30.23	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	91241	20.144	ug/l 97
3) Chloromethane	2.04	50	107352	20.526	ug/l 99
4) Vinyl Chloride	2.17	62	106179	20.346	ug/l 98
5) Bromomethane	2.55	94	54973	19.400	ug/l 99
6) Chloroethane	2.69	64	65983	21.394	ug/l 95
7) Trichlorofluoromethane	3.00	101	129645	21.099	ug/l 97
8) Diethyl Ether	3.39	74	55126	20.181	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88544	20.933	ug/l 99
10) 1,1-Dichloroethene	3.72	96	85478	20.672	ug/l 95
11) Methyl Iodide	3.93	142	93773	22.119	ug/l 99
12) Methyl Acetate	4.30	43	106722	19.379	ug/l 100
13) Acrolein	3.59	56	17135	109.419	ug/l 99
14) Acrylonitrile	4.96	53	226678	99.685	ug/l 99
15) Acetone	3.80	58	65795	104.353	ug/l 92
16) Carbon Disulfide	4.03	76	223231	19.427	ug/l 99
17) Allyl chloride	4.30	41	150459	19.481	ug/l 94
18) Methylene Chloride	4.53	84	101699	20.849	ug/l 95
19) trans-1,2-Dichloroethene	5.01	96	94055	20.290	ug/l 96
20) Diisopropyl ether	5.93	45	331847	20.164	ug/l 96
21) 1,1-Dichloroethane	5.83	63	186857	20.290	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	110801	20.578	ug/l 98
23) tert-Butyl Alcohol	4.76	59	73215	87.218	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	294481	19.841	ug/l 97
25) Chloroform	7.36	83	191786	20.567	ug/l 95
26) Cyclohexane	7.64	56	171831	19.963	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	142862	19.946	ug/l 98
30) 2-Butanone	6.82	43	318721	98.003	ug/l 100
31) 2,2-Dichloropropane	6.81	77	151160	20.500	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	159828	20.689	ug/l 99
33) Carbon Tetrachloride	7.76	117	132158	20.136	ug/l 98
34) Benzene	8.03	78	419193	20.632	ug/l 99
35) Methacrylonitrile	7.16	41	53246	19.035	ug/l 94
36) 1,2-Dichloroethane	8.11	62	162845	20.460	ug/l 99
37) Trichloroethene	8.82	130	102914	20.232	ug/l 99
38) Methylcyclohexane	9.07	83	171493	19.801	ug/l 99
39) 1,2-Dichloropropane	9.11	63	112874	20.366	ug/l 97
40) Dibromomethane	9.20	93	73022	20.876	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	138266	19.999	ug/l	100
42) Vinyl Acetate	5.87	43	1355235	109.141	ug/l	100
43) Ethyl Acetate	6.91	43	134147	20.775	ug/l	100
44) Isopropyl Acetate	8.15	43	219618	18.999	ug/l	99
45) 1,4-Dioxane	9.19	88	35967	368.836	ug/l	97
46) Methyl methacrylate	9.19	41	105961	19.343	ug/l	97
47) n-amyl Acetate	12.08	43	184066	18.294	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	145116	19.209	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	166520	19.797	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	98163	20.080	ug/l	96
51) Ethyl methacrylate	10.43	69	147964	19.130	ug/l	100
52) 1,3-Dichloropropane	10.71	76	175068	20.164	ug/l	98
53) Dibromochloromethane	10.90	129	94719	19.287	ug/l	100
54) 1,2-Dibromoethane	11.00	107	99220	19.889	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	321349	98.121	ug/l	99
56) Bromoform	12.13	173	58108	18.758	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	655700	105.484	ug/l	99
59) 2-Hexanone	10.75	43	475036	101.086	ug/l	99
61) Tetrachloroethene	10.63	164	83207	20.020	ug/l	98
62) Toluene	10.15	91	454663	20.926	ug/l	99
64) Chlorobenzene	11.44	112	267712	20.051	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	93620	20.001	ug/l	99
66) Ethyl Benzene	11.51	91	498244	21.030	ug/l	99
67) m/p-Xylenes	11.62	106	362647	39.870	ug/l	98
68) o-Xylene	11.95	106	172691	19.525	ug/l	95
69) Styrene	11.97	104	293111	19.818	ug/l	99
70) Isopropylbenzene	12.25	105	476689	20.798	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	144811	19.879	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	117855m	18.812	ug/l	
73) Bromobenzene	12.53	156	110320	19.872	ug/l	99
74) n-propylbenzene	12.60	91	569497	21.553	ug/l	99
75) 2-Chlorotoluene	12.68	91	333158	20.157	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	410242	20.787	ug/l	100
77) t-1,4-Dichloro-2-butene	12.31	75	35026	17.140	ug/l	97
78) 4-Chlorotoluene	12.78	91	340843	20.121	ug/l	99
79) tert-butylbenzene	13.00	119	344707	20.174	ug/l	99
80) 1,2,4-Trimethylbenzene	13.05	105	400751	20.344	ug/l	99
81) sec-Butylbenzene	13.18	105	470503	20.994	ug/l	100
82) p-Isopropyltoluene	13.30	119	412385	20.433	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	197714	19.303	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	195257	19.154	ug/l	99
85) n-Butylbenzene	13.62	91	371754	19.826	ug/l	100
86) Hexachloroethane	13.88	117	61198	18.773	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	194852	19.483	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	25085	17.644	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	110303	16.881	ug/l	100
90) Hexachlorobutadiene	15.02	225	58289	18.437	ug/l	96
91) Naphthalene	15.14	128	295810	16.485	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	103238	16.451	ug/l	98

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

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