

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092019\
 Data File : VN058239.D
 Acq On : 20 Sep 2019 10:58
 Operator : JC/SP
 Sample : VN0920WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0920WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/23/2019 3:29:42 PM

Quant Time: Sep 21 06:46:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	74349	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	434013	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	390588	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	199435	30.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.10%
60) 4-Bromofluorobenzene	12.40	95	198297	29.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.90%
63) Toluene-d8	10.09	98	562149	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	90479	20.142	ug/l 98
3) Chloromethane	2.04	50	94940	16.950	ug/l 98
4) Vinyl Chloride	2.17	62	98079	17.114	ug/l 98
5) Bromomethane	2.55	94	49708	13.898	ug/l 94
6) Chloroethane	2.69	64	60299	16.930	ug/l 97
7) Trichlorofluoromethane	3.00	101	123079	18.590	ug/l 99
8) Diethyl Ether	3.39	74	53050	19.862	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	84285	20.387	ug/l 99
10) 1,1-Dichloroethene	3.72	96	76202	19.383	ug/l 95
11) Methyl Iodide	3.93	142	76894	14.619	ug/l 97
12) Methyl Acetate	4.30	43	108432	20.098	ug/l 94
13) Acrolein	3.58	56	29948	102.308	ug/l 95
14) Acrylonitrile	4.96	53	218014	99.125	ug/l # 92
15) Acetone	3.80	58	60024	96.131	ug/l 96
16) Carbon Disulfide	4.03	76	159418	17.414	ug/l 99
17) Allyl chloride	4.30	41	141112	19.589	ug/l 95
18) Methylene Chloride	4.53	84	95700	19.318	ug/l 97
19) trans-1,2-Dichloroethene	5.02	96	84820	19.358	ug/l 98
20) Diisopropyl ether	5.93	45	327641	19.455	ug/l 99
21) 1,1-Dichloroethane	5.83	63	184386	19.856	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	104958	19.550	ug/l 100
23) tert-Butyl Alcohol	4.75	59	58706	81.763	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	295979	19.642	ug/l # 100
25) Chloroform	7.36	83	185185	19.588	ug/l 100
26) Cyclohexane	7.64	56	151057	19.360	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	135734	19.880	ug/l 99
30) 2-Butanone	6.82	43	298349	96.913	ug/l 99
31) 2,2-Dichloropropane	6.81	77	141895	19.684	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	153375	19.980	ug/l 99
33) Carbon Tetrachloride	7.76	117	120668	19.269	ug/l 96
34) Benzene	8.03	78	405678	20.053	ug/l 97
35) Methacrylonitrile	7.16	41	49168m	17.219	ug/l
36) 1,2-Dichloroethane	8.11	62	161760	20.605	ug/l 97
37) Trichloroethene	8.82	130	94481	19.228	ug/l 94
38) Methylcyclohexane	9.07	83	150665	19.379	ug/l 99
39) 1,2-Dichloropropane	9.11	63	111116	19.558	ug/l 96
40) Dibromomethane	9.20	93	70799	20.489	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	132703	19.048	ug/l	96
42) Vinyl Acetate	5.87	43	1287801	104.082	ug/l	99
43) Ethyl Acetate	6.91	43	121687	19.374	ug/l #	82
44) Isopropyl Acetate	8.15	43	210817	19.251	ug/l #	92
45) 1,4-Dioxane	9.19	88	26093	303.218	ug/l	95
46) Methyl methacrylate	9.19	41	101107	18.900	ug/l	98
47) n-amyl Acetate	12.07	43	181036	17.996	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	137643	18.559	ug/l	97
49) cis-1,3-Dichloropropene	9.83	75	158134	19.003	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	100838	20.118	ug/l	98
51) Ethyl methacrylate	10.43	69	147103	18.928	ug/l	96
52) 1,3-Dichloropropane	10.71	76	173439	19.786	ug/l	98
53) Dibromochloromethane	10.90	129	89601	18.101	ug/l	100
54) 1,2-Dibromoethane	11.00	107	94607	18.970	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	339933	92.049	ug/l	99
56) Bromoform	12.13	173	53895	17.575	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	636306	105.050	ug/l	99
59) 2-Hexanone	10.75	43	451274	99.281	ug/l	100
61) Tetrachloroethene	10.63	164	77463	19.506	ug/l	97
62) Toluene	10.15	91	439574	20.325	ug/l	100
64) Chlorobenzene	11.43	112	260894	19.446	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	92983	19.961	ug/l	97
66) Ethyl Benzene	11.51	91	482834	20.456	ug/l	100
67) m/p-Xylenes	11.62	106	351372	39.002	ug/l	97
68) o-Xylene	11.95	106	170010	19.263	ug/l	99
69) Styrene	11.97	104	292520	19.439	ug/l	99
70) Isopropylbenzene	12.25	105	474786	20.348	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	142452	19.535	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	136419m	21.077	ug/l	
73) Bromobenzene	12.53	156	111163	19.900	ug/l	98
74) n-propylbenzene	12.60	91	559796	20.999	ug/l	100
75) 2-Chlorotoluene	12.68	91	328691	19.795	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	399416	20.103	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	32852	17.109	ug/l	99
78) 4-Chlorotoluene	12.78	91	335812	19.827	ug/l	99
79) tert-butylbenzene	13.00	119	344118	19.853	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	393590	19.881	ug/l	99
81) sec-Butylbenzene	13.18	105	470162	20.443	ug/l	99
82) p-Isopropyltoluene	13.29	119	408462	19.832	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	200408	19.301	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	196539	19.226	ug/l	98
85) n-Butylbenzene	13.62	91	372833	19.423	ug/l	99
86) Hexachloroethane	13.88	117	60386	18.407	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	201902	20.032	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	23966	18.666	ug/l	98
89) 1,2,4-Trichlorobenzene	14.92	180	118192	19.197	ug/l	98
90) Hexachlorobutadiene	15.02	225	60555	21.416	ug/l	99
91) Naphthalene	15.13	128	312423	18.442	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	112628	19.181	ug/l	99

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

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