

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056025.D
 Acq On : 5 Jun 2019 23:53
 Operator : JC/SP
 Sample : VN0606WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0606WBS01

Manual Integrations
 APPROVED

MMDadoda
 6/6/2019 9:04:37 AM

Quant Time: Jun 06 04:41:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	56414	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	301568	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	261511	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	105723	30.18	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.60%
60) 4-Bromofluorobenzene	12.40	95	114356	29.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.33%
63) Toluene-d8	10.09	98	366498	30.89	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	65559	20.662	ug/l 100
3) Chloromethane	2.06	50	75023	20.237	ug/l 99
4) Vinyl Chloride	2.18	62	75418	19.953	ug/l 97
5) Bromomethane	2.54	94	48403	20.376	ug/l 98
6) Chloroethane	2.69	64	45087	21.089	ug/l 94
7) Trichlorofluoromethane	3.01	101	91318	19.526	ug/l 97
8) Diethyl Ether	3.40	74	38793	19.559	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	55800	19.329	ug/l 99
10) 1,1-Dichloroethene	3.72	96	59176	20.095	ug/l 94
11) Methyl Iodide	3.94	142	70015	15.070	ug/l 99
12) Methyl Acetate	4.33	43	69461	19.629	ug/l 99
13) Acrolein	3.60	56	17913	103.856	ug/l 99
14) Acrylonitrile	4.99	53	156137	98.941	ug/l 100
15) Acetone	3.82	58	43103	83.418	ug/l 100
16) Carbon Disulfide	4.04	76	129281	18.451	ug/l 99
17) Allyl chloride	4.31	41	87775	19.238	ug/l 99
18) Methylene Chloride	4.54	84	67645	19.842	ug/l 97
19) trans-1,2-Dichloroethene	5.03	96	61446	19.548	ug/l 98
20) Diisopropyl ether	5.95	45	187212	19.804	ug/l 99
21) 1,1-Dichloroethane	5.84	63	107146	19.503	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	73333	19.988	ug/l 97
23) tert-Butyl Alcohol	4.81	59	52401	85.309	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	187109	19.937	ug/l 98
25) Chloroform	7.37	83	109388	19.940	ug/l 100
26) Cyclohexane	7.65	56	99390	19.500	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	80512	19.737	ug/l 99
30) 2-Butanone	6.84	43	201131	93.658	ug/l 99
31) 2,2-Dichloropropane	6.82	77	63974	16.858	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	89114	19.773	ug/l 99
33) Carbon Tetrachloride	7.77	117	72298	18.934	ug/l 98
34) Benzene	8.04	78	261095	20.088	ug/l 99
35) Methacrylonitrile	7.17	41	41055	22.639	ug/l 97
36) 1,2-Dichloroethane	8.12	62	80724	19.828	ug/l 100
37) Trichloroethene	8.83	130	71771	19.734	ug/l 96
38) Methylcyclohexane	9.08	83	99324	19.206	ug/l 98
39) 1,2-Dichloropropane	9.12	63	66169	19.878	ug/l 94
40) Dibromomethane	9.21	93	43811	19.850	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	76327	19.313	ug/l	99
42) Vinyl Acetate	5.90	43	760182	99.290	ug/l	100
43) Ethyl Acetate	6.93	43	79501	19.343	ug/l	94
44) Isopropyl Acetate	8.17	43	124406	19.495	ug/l	98
45) 1,4-Dioxane	9.20	88	25761	377.372	ug/l	96
46) Methyl methacrylate	9.20	41	59692	18.829	ug/l	98
47) n-amyl Acetate	12.07	43	100729	19.087	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	76289	18.342	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	91344	18.755	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	65266	19.909	ug/l	98
51) Ethyl methacrylate	10.43	69	95094	19.174	ug/l	99
52) 1,3-Dichloropropane	10.71	76	106293	20.000	ug/l	100
53) Dibromochloromethane	10.90	129	58731	18.301	ug/l	100
54) 1,2-Dibromoethane	11.00	107	67465	19.722	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	156334	89.992	ug/l	100
56) Bromoform	12.13	173	39817	17.151	ug/l #	97
58) 4-Methyl-2-Pentanone	9.99	43	400115	101.041	ug/l	100
59) 2-Hexanone	10.75	43	275528	97.348	ug/l	99
61) Tetrachloroethene	10.63	164	75460	20.704	ug/l	98
62) Toluene	10.16	91	284010	20.118	ug/l	99
64) Chlorobenzene	11.43	112	169645	19.811	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	60486	19.589	ug/l	99
66) Ethyl Benzene	11.51	91	300028	19.953	ug/l	100
67) m/p-Xylenes	11.62	106	228384	39.682	ug/l	99
68) o-Xylene	11.95	106	112850	20.028	ug/l	98
69) Styrene	11.96	104	177752	19.417	ug/l	100
70) Isopropylbenzene	12.25	105	297988	20.242	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	88137	19.858	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	73077m	19.019	ug/l	
73) Bromobenzene	12.53	156	77186	19.753	ug/l	99
74) n-propylbenzene	12.59	91	304304	19.587	ug/l	99
75) 2-Chlorotoluene	12.67	91	191221	19.844	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	238970	19.734	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	17575	16.030	ug/l	90
78) 4-Chlorotoluene	12.77	91	172220	19.137	ug/l	99
79) tert-butylbenzene	12.99	119	221159	20.614	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	233482	19.821	ug/l	99
81) sec-Butylbenzene	13.17	105	268487	19.783	ug/l	99
82) p-Isopropyltoluene	13.29	119	240720	19.618	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	115777	19.012	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	104357	17.991	ug/l	100
85) n-Butylbenzene	13.61	91	165789	18.103	ug/l	98
86) Hexachloroethane	13.87	117	35334	18.471	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	116433	18.810	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12496	17.936	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	45317	18.992	ug/l	100
90) Hexachlorobutadiene	15.01	225	42588	18.847	ug/l	99
91) Naphthalene	15.13	128	125265	15.238	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	53224	16.427	ug/l	97

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

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