

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051475.D
 Acq On : 25 Sep 2018 10:24
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Quant Time: Sep 26 01:45:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	107684	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	583002	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	529607	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	221653	29.91	ug/l	0.00	MMDadoda
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.70%	
60) 4-Bromofluorobenzene	12.40	95	254254	32.70	ug/l	0.00	
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.00%	
63) Toluene-d8	10.09	98	742961	29.26	ug/l	0.00	
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.53%	10/1/2018 11:21:27 AM

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	463910	100.588	ug/l 99
3) Chloromethane	2.06	50	870925	109.831	ug/l 97
4) Vinyl Chloride	2.19	62	935918	110.614	ug/l 99
5) Bromomethane	2.56	94	588714	106.458	ug/l 88
6) Chloroethane	2.70	64	591160	113.350	ug/l 100
7) Trichlorofluoromethane	3.01	101	1257031	114.456	ug/l 96
8) Diethyl Ether	3.41	74	447811	135.617	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	629674	112.904	ug/l # 42
10) 1,1-Dichloroethene	3.74	96	586201	115.392	ug/l 99
11) Methyl Iodide	3.95	142	965784	128.923	ug/l 95
12) Methyl Acetate	4.33	43	522842	117.097	ug/l 95
13) Acrolein	3.61	56	394800	663.099	ug/l 91
14) Acrylonitrile	4.99	53	1141870	629.561	ug/l # 60
15) Acetone	3.82	58	257724	576.940	ug/l 96
16) Carbon Disulfide	4.05	76	1814230	112.592	ug/l 98
17) Allyl chloride	4.32	41	1081351	120.580	ug/l 98
18) Methylene Chloride	4.55	84	696982	114.883	ug/l 93
19) trans-1,2-Dichloroethene	5.04	96	651385	118.451	ug/l 97
20) Diisopropyl ether	5.96	45	2212461	124.251	ug/l # 81
21) 1,1-Dichloroethane	5.85	63	1247129	116.273	ug/l 96
22) cis-1,2-Dichloroethene	6.83	96	737957	119.923	ug/l 96
23) tert-Butyl Alcohol	4.79	59	211505	619.240	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1719240	124.258	ug/l # 63
25) Chloroform	7.37	83	1245601	116.432	ug/l 96
26) Cyclohexane	7.65	56	1148975	125.825	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	987626	120.313	ug/l 100
30) 2-Butanone	6.84	43	1282737	604.952	ug/l # 98
31) 2,2-Dichloropropane	6.83	77	1019320	116.412	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	1096684	117.025	ug/l 98
33) Carbon Tetrachloride	7.78	117	997659	116.023	ug/l 92
34) Benzene	8.04	78	2847753	116.849	ug/l # 62
35) Methacrylonitrile	7.18	41	345183	112.968	ug/l 93
36) 1,2-Dichloroethane	8.13	62	911355	114.843	ug/l 98
37) Trichloroethene	8.84	130	744811	115.307	ug/l 98
38) Methylcyclohexane	9.08	83	1197938	125.890	ug/l 93
39) 1,2-Dichloropropane	9.12	63	772340	116.495	ug/l 95
40) Dibromomethane	9.21	93	442342	117.225	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	980693	118.210	ug/l	94
42) Vinyl Acetate	5.90	43	7470024	633.559	ug/l	98
43) Ethyl Acetate	6.93	43	572901	129.855	ug/l	98
44) Isopropyl Acetate	8.17	43	1045030	123.159	ug/l	99
45) 1,4-Dioxane	9.20	88	129887	2516.109	ug/l	91
46) Methyl methacrylate	9.20	41	548106	130.440	ug/l	96
47) n-amyl Acetate	12.07	43	942300m	138.971	ug/l	
48) t-1,3-Dichloropropene	10.38	75	1037730	125.966	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1181023	123.850	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	631377	117.023	ug/l	95
51) Ethyl methacrylate	10.43	69	844485	132.253	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1092863	120.066	ug/l	98
53) Dibromochloromethane	10.90	129	761203	122.654	ug/l	97
54) 1,2-Dibromoethane	11.01	107	635601	122.095	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	2094805	664.372	ug/l	100
56) Bromoform	12.13	173	524895	125.452	ug/l	96
58) 4-Methyl-2-Pentanone	9.99	43	2917092	626.747	ug/l	95
59) 2-Hexanone	10.75	43	1948373	636.038	ug/l	95
61) Tetrachloroethene	10.63	164	712123	115.576	ug/l	96
62) Toluene	10.16	91	3182104	117.368	ug/l	98
64) Chlorobenzene	11.43	112	1992641	119.875	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	753586	117.257	ug/l	99
66) Ethyl Benzene	11.51	91	3504593	125.298	ug/l	99
67) m/p-Xylenes	11.62	106	2726675	253.226	ug/l	97
68) o-Xylene	11.95	106	1298939	126.657	ug/l	94
69) Styrene	11.96	104	2105877	129.991	ug/l	99
70) Isopropylbenzene	12.25	105	3480417	126.807	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	780025	120.731	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	695438m	136.496	ug/l	
73) Bromobenzene	12.53	156	859235	124.219	ug/l	95
74) n-propylbenzene	12.59	91	4066264	127.435	ug/l	99
75) 2-Chlorotoluene	12.67	91	2349471	124.769	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	2919847	128.927	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	239720	136.432	ug/l	97
78) 4-Chlorotoluene	12.77	91	2383332	127.609	ug/l	97
79) tert-butylbenzene	12.99	119	2501918	126.884	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2968674	130.393	ug/l	98
81) sec-Butylbenzene	13.17	105	3496985	128.923	ug/l	99
82) p-Isopropyltoluene	13.29	119	3087095	131.840	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	1540837	126.999	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	1491040	130.851	ug/l	97
85) n-Butylbenzene	13.61	91	2665146	138.628	ug/l	96
86) Hexachloroethane	13.87	117	563261	120.045	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	1459297	126.877	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	117972	123.719	ug/l #	88
89) 1,2,4-Trichlorobenzene	14.91	180	843687	147.266	ug/l	99
90) Hexachlorobutadiene	15.01	225	536485	120.827	ug/l	98
91) Naphthalene	15.13	128	1642561	151.945	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	810080	140.069	ug/l	93

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

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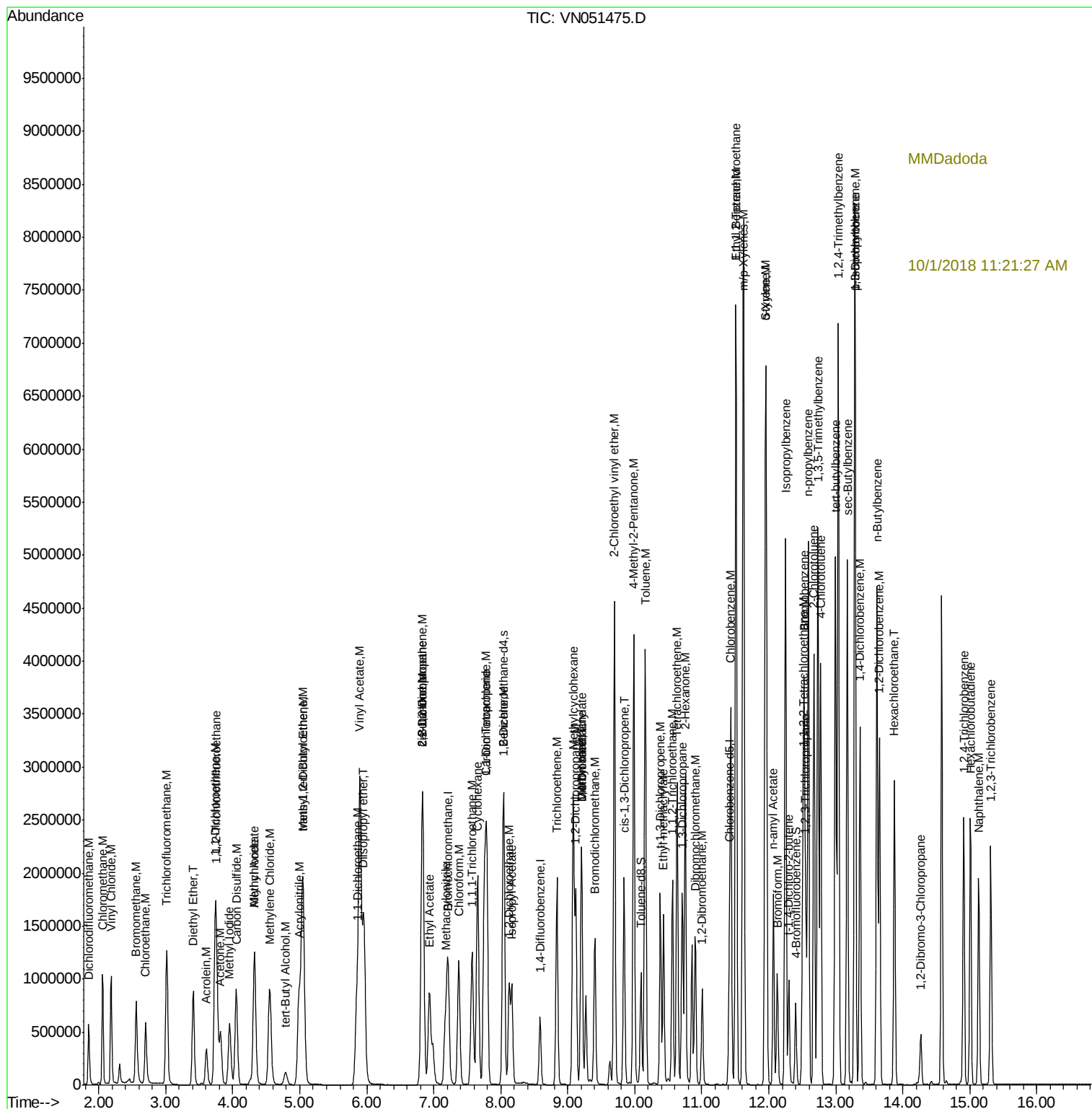
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