Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030620\
Data File : VL034821.D
Acq On : 6 Mar 2020 19:12
Operator : SY/AP
Sample : VL0306ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 07 08:58:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 0
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration

Instrument : MSVOA_L
ClientSampleId : VL0306ABS01

Manual Integrations APPROVED
MMDadoda
3/9/2020 9:20:31 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	846068	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	1963316	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	1990121m	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1554838	9.37	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1244627	9.014	ppbv	100
3) Chlorodifluoromethane	2.95	51	825885	8.568	ppbv	97
4) Chloromethane	3.11	50	490644	9.450	ppbv	94
5) Vinyl Chloride	3.23	62	461169	8.408	ppbv	98
6) Bromomethane	3.45	94	265264	8.861	ppbv	89
7) Chloroethane	3.53	64	162556	8.571	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	1010046	8.421	ppbv	91
9) Propene	2.97	41	418008	11.017	ppbv	96
10) Heptane	8.14	43	1051876	10.909	ppbv	96
11) Trichlorofluoromethane	3.93	101	1040947	8.425	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.47	101	746776	8.760	ppbv	92
13) Ethanol	3.58	45	102002	7.847	ppbv	95
14) Bromoethene	3.71	108	332599	9.509	ppbv	97
15) Acetone	3.83	43	923734	9.117	ppbv	100
16) 1,3-Butadiene	3.29	39	452280	9.866	ppbv	98
17) tert-Butyl alcohol	4.28	59	872845	10.926	ppbv	100
18) 1,1-Dichloroethene	4.27	96	340975	9.069	ppbv	99
19) Isopropyl Alcohol	3.95	45	575724	9.484	ppbv #	1
20) Methylene Chloride	4.33	84	291056	8.049	ppbv	96
21) Allyl Chloride	4.39	41	649410	10.122	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	352858	9.614	ppbv	97
23) Vinyl Acetate	5.07	43	1522982	11.210	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	953620	9.043	ppbv	98
25) Ethyl Acetate	5.67	43	1725459	9.855	ppbv	100
26) Hexane	5.68	57	752208	9.835	ppbv	97
27) Carbon Disulfide	4.54	76	941805	10.540	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1283092	11.271	ppbv	100
29) Chloroform	5.75	83	1097459	8.524	ppbv	98
30) Cyclohexane	7.14	84	639483	10.929	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	781080	9.956	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	1101618	8.659	ppbv	96
34) 2-Butanone	5.24	43	1170599	9.165	ppbv	99
35) Carbon Tetrachloride	7.03	117	1147439	7.745	ppbv	98
36) Benzene	6.90	78	1558171	9.288	ppbv	98
37) 1,2-Dichloroethane	6.31	62	845974	7.382	ppbv #	97
38) Trichloroethene	7.85	130	592503	9.061	ppbv	94
39) 1,2-Dichloropropane	7.63	63	613358	9.059	ppbv	95
40) 1,4-Dioxane	7.85	88	214460	9.158	ppbv #	94
41) Tetrahydrofuran	6.05	42	678954	10.418	ppbv	96
42) Bromodichloromethane	7.81	83	1206955	8.324	ppbv	100
43) Methyl Methacrylate	8.03	69	684634	9.630	ppbv	95

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QLast Update : Wed Mar 04 06:36:39 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2636481	8.993	ppbv		99
45) t-1,3-Dichloropropene	9.30	75	870789	11.668	ppbv		98
46) cis-1,3-Dichloropropene	8.73	75	987485	10.836	ppbv		96
47) 1,1,2-Trichloroethane	9.50	97	610220	8.537	ppbv		89
48) Dibromochloromethane	10.34	129	1084849	9.706	ppbv		99
49) Bromoform	13.08	173	961637	9.859	ppbv		99
50) 4-Methyl-2-Pentanone	8.76	43	1718646	9.391	ppbv		98
51) 2-Hexanone	10.16	43	1410511	9.825	ppbv	#	99
52) Tetrachloroethene	11.25	164	578926	9.340	ppbv		96
53) Toluene	9.83	91	1790268	10.083	ppbv		100
54) 1,2-Dibromoethane	10.65	107	938158	8.876	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.16	131	786498	8.919	ppbv		95
57) Chlorobenzene	12.18	112	1321426	8.692	ppbv		97
58) Ethyl Benzene	12.75	91	2354911	9.602	ppbv		96
59) m/p-Xylene	13.03	91	3790770m	17.856	ppbv		
60) o-Xylene	13.73	91	1831896	8.528	ppbv		97
61) Styrene	13.57	104	1419239	10.651	ppbv		97
62) Isopropylbenzene	14.71	105	2807967	8.882	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1228374	7.254	ppbv		100
64) n-propylbenzene	15.61	120	739321	9.327	ppbv		92
65) tert-Butylbenzene	16.79	119	2446440	9.157	ppbv		93
66) Benzyl Chloride	17.03	91	1328701	15.383	ppbv		95
67) sec-Butylbenzene	17.34	105	3411601	8.763	ppbv		100
69) p-Isopropyltoluene	17.70	119	2922781	9.277	ppbv		97
70) n-Butylbenzene	18.60	91	2942785	8.542	ppbv		98
71) 2-Chlorotoluene	15.50	91	2087291	8.742	ppbv		96
72) 4-Ethyltoluene	15.89	105	2243628	9.381	ppbv		97
73) 1,3,5-Trimethylbenzene	16.04	105	2098875	9.149	ppbv		96
74) 1,2,4-Trimethylbenzene	16.81	105	2142393	8.591	ppbv	#	90
75) 1,3-Dichlorobenzene	17.05	146	1271774	8.615	ppbv		97
76) 1,4-Dichlorobenzene	17.19	146	1290649	9.136	ppbv		99
77) 1,2-Dichlorobenzene	17.87	146	1272106	9.008	ppbv		97
78) Hexachloro-1,3-Butadiene	23.43	225	1138906	9.663	ppbv		99
79) Naphthalene	22.27	128	2283469	12.184	ppbv		98
80) Naphthalene,2-methyl-	25.02	142	872234	19.486	ppbv		99
81) 1,2,4-Trichlorobenzene	22.00	180	1312583	11.079	ppbv		99

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

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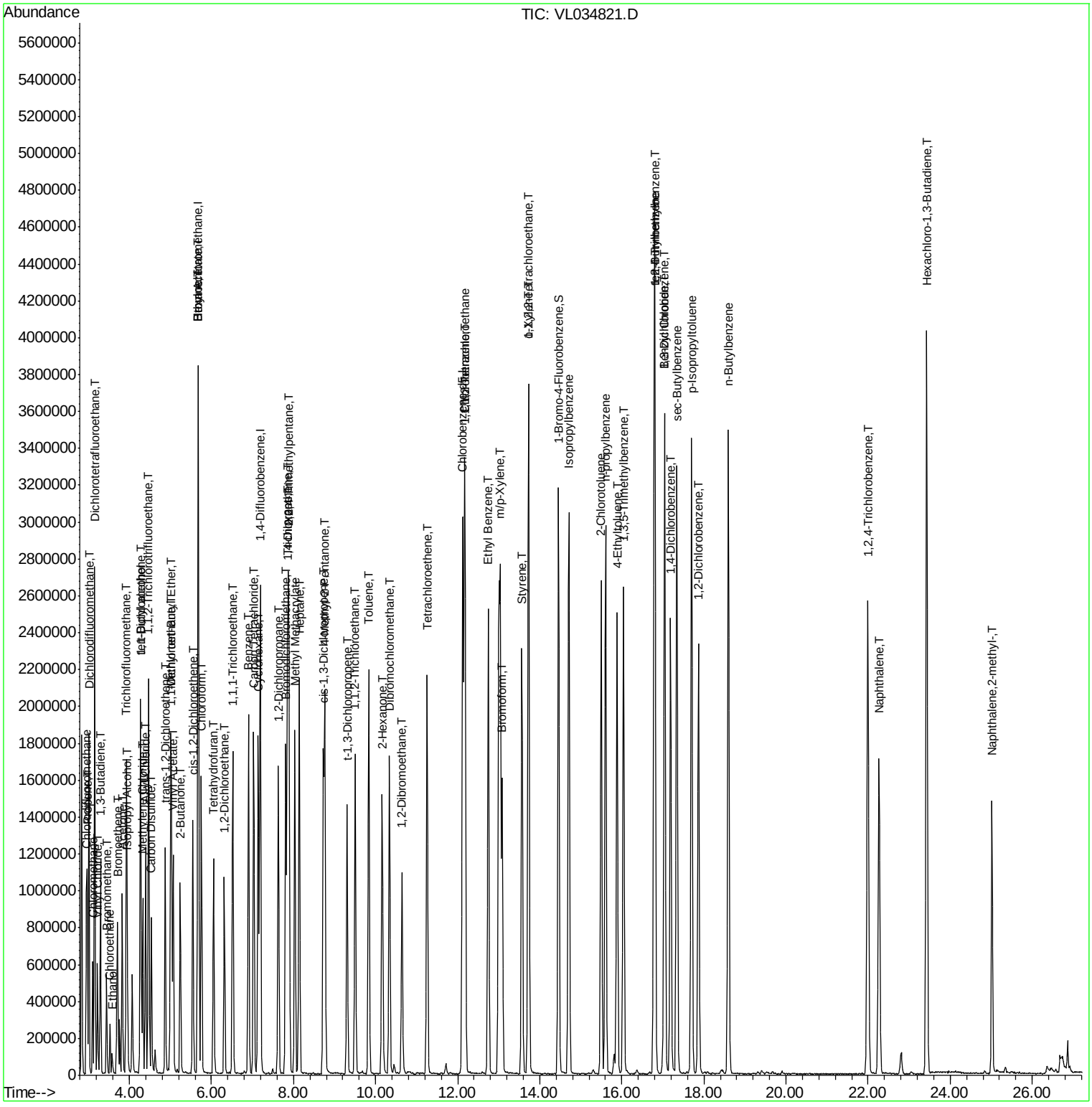
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