Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
Data File : VL042581.D
Acq On : 29 May 2025 12:15
Operator : SY/MD
Sample : VSTDICC001
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: May 30 01:18:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	2.787	49	101864	10.000	ppbv		0.00
33) 1,4-Difluorobenzene	3.959	114	307159	10.000	ppbv		0.00
55) Chlorobenzene-d5	8.885	117	279402	10.000	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	10.377	95	209886	10.021	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.499	85	13779	1.101	ppbv		95
3) Chlorodifluoromethane	1.476	51	18960	1.100	ppbv		99
4) Chloromethane	1.531	50	5387	1.087	ppbv		89
5) Vinyl Chloride	1.580	62	4964	0.983	ppbv		99
6) Bromomethane	1.667	94	2560	1.041	ppbv		99
7) Chloroethane	1.703	64	2164	1.103	ppbv	#	84
8) Dichlorotetrafluoroethane	1.554	85	11182	1.072	ppbv		98
9) Propene	1.483	41	7413	1.068	ppbv		97
10) Heptane	4.981	43	21213m	1.083	ppbv		
11) Trichlorofluoromethane	1.878	101	12319	1.058	ppbv		95
12) 1,1,2-Trichlorotrifluo...	2.136	101	9979	1.091	ppbv		98
13) Ethanol	1.722	45	968	1.249	ppbv	#	61
14) Bromoethene	1.780	108	3524	1.024	ppbv	#	97
15) Acetone	1.835	43	15114	1.232	ppbv		98
16) 1,3-Butadiene	1.609	39	6483	1.115	ppbv		92
17) tert-Butyl alcohol	2.043	59	13587	1.063	ppbv	#	83
18) 1,1-Dichloroethene	2.036	96	4598	1.080	ppbv		85
19) Isopropyl Alcohol	1.887	45	7964	1.086	ppbv	#	38
20) Methylene Chloride	2.062	84	4654	1.149	ppbv		98
21) Allyl Chloride	2.094	41	9378	1.083	ppbv	#	83
22) trans-1,2-Dichloroethene	2.340	96	5269	1.109	ppbv		98
23) Vinyl Acetate	2.463	43	16945	1.022	ppbv	#	96
24) 1,1-Dichloroethane	2.408	63	10651	1.093	ppbv	#	98
25) Ethyl Acetate	2.839	43	36518	1.088	ppbv		99
26) Hexane	2.826	57	16686	1.094	ppbv		99
27) Carbon Disulfide	2.149	76	12910	1.102	ppbv	#	22
28) Methyl tert-Butyl Ether	2.441	73	7064	1.141	ppbv		93
29) Chloroform	2.849	83	21594	1.088	ppbv		100
30) Cyclohexane	3.858	84	13889	1.098	ppbv		96
31) cis-1,2-Dichloroethene	2.722	61	14880	1.066	ppbv		89
32) 1,1,1-Trichloroethane	3.370	97	20811	1.045	ppbv		97
34) 2-Butanone	2.560	43	23148	1.057	ppbv		99
35) Carbon Tetrachloride	3.765	117	21013	1.036	ppbv		89
36) Benzene	3.658	78	32310	1.068	ppbv		99
37) 1,2-Dichloroethane	3.218	62	15623	1.039	ppbv		97
38) Trichloroethene	4.551	130	13969	1.078	ppbv		98
39) 1,2-Dichloropropane	4.321	63	11488	1.027	ppbv		87
40) 1,4-Dioxane	4.600	88	5479m	1.153	ppbv		
41) Tetrahydrofuran	3.062	42	13711	1.069	ppbv		99
42) Bromodichloromethane	4.490	83	22628	1.060	ppbv	#	96
43) Methyl Methacrylate	4.884	69	11810	1.007	ppbv		97
44) 2,2,4-Trimethylpentane	4.645	57	56202m	1.087	ppbv		
45) t-1,3-Dichloropropene	6.415	75	13988m	1.041	ppbv		

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VSTDICC001

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	17453m	1.037	ppbv		
47) 1,1,2-Trichloroethane	6.587	97	12328m	1.065	ppbv		
48) Dibromochloromethane	7.393	129	19719	1.064	ppbv		99
49) Bromoform	9.484	173	15937	0.996	ppbv		96
50) 4-Methyl-2-Pentanone	5.765	43	31646	1.037	ppbv		99
51) 2-Hexanone	7.445	43	25135	1.043	ppbv	#	96
52) Tetrachloroethene	8.228	164	11770	1.041	ppbv		97
53) Toluene	6.936	91	36540	1.045	ppbv		97
54) 1,2-Dibromoethane	7.658	107	18114	1.055	ppbv		96
56) 1,1,1,2-Tetrachloroethane	8.927	131	14971	1.066	ppbv		95
57) Chlorobenzene	8.927	112	28714	1.058	ppbv		100
58) Ethyl Benzene	9.357	91	49899	1.053	ppbv		96
59) m/p-Xylene	9.535	91	78893m	2.115	ppbv		
60) o-Xylene	9.966	91	39398	1.059	ppbv		99
61) Styrene	9.875	104	18371	1.045	ppbv		100
62) Isopropylbenzene	10.542	105	59492	1.083	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.966	83	24057	1.017	ppbv		99
64) n-propylbenzene	10.992	120	15107	1.026	ppbv		90
65) tert-Butylbenzene	11.532	119	53720	1.077	ppbv		99
66) Benzyl Chloride	11.617	91	6617	1.029	ppbv		98
67) sec-Butylbenzene	11.769	105	76631	1.093	ppbv		100
69) p-Isopropyltoluene	11.927	119	62849	1.070	ppbv		100
70) n-Butylbenzene	12.283	91	63350	1.093	ppbv		99
71) 2-Chlorotoluene	10.901	91	45250	1.080	ppbv		99
72) 4-Ethyltoluene	11.128	105	50214	1.083	ppbv		99
73) 1,3,5-Trimethylbenzene	11.206	105	41412	1.079	ppbv		100
74) 1,2,4-Trimethylbenzene	11.536	105	46810	1.099	ppbv	#	90
75) 1,3-Dichlorobenzene	11.610	146	28889	1.080	ppbv		99
76) 1,4-Dichlorobenzene	11.675	146	29060	1.089	ppbv		98
77) 1,2-Dichlorobenzene	11.950	146	28176	1.085	ppbv		97
78) Hexachloro-1,3-Butadiene	13.882	225	24950	1.162	ppbv		98
79) Naphthalene	13.517	128	45649	1.141	ppbv	#	94
80) Naphthalene,2-methyl-	14.458	142	15700	0.866	ppbv		96
81) 1,2,4-Trichlorobenzene	13.442	180	24843	1.108	ppbv		97

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

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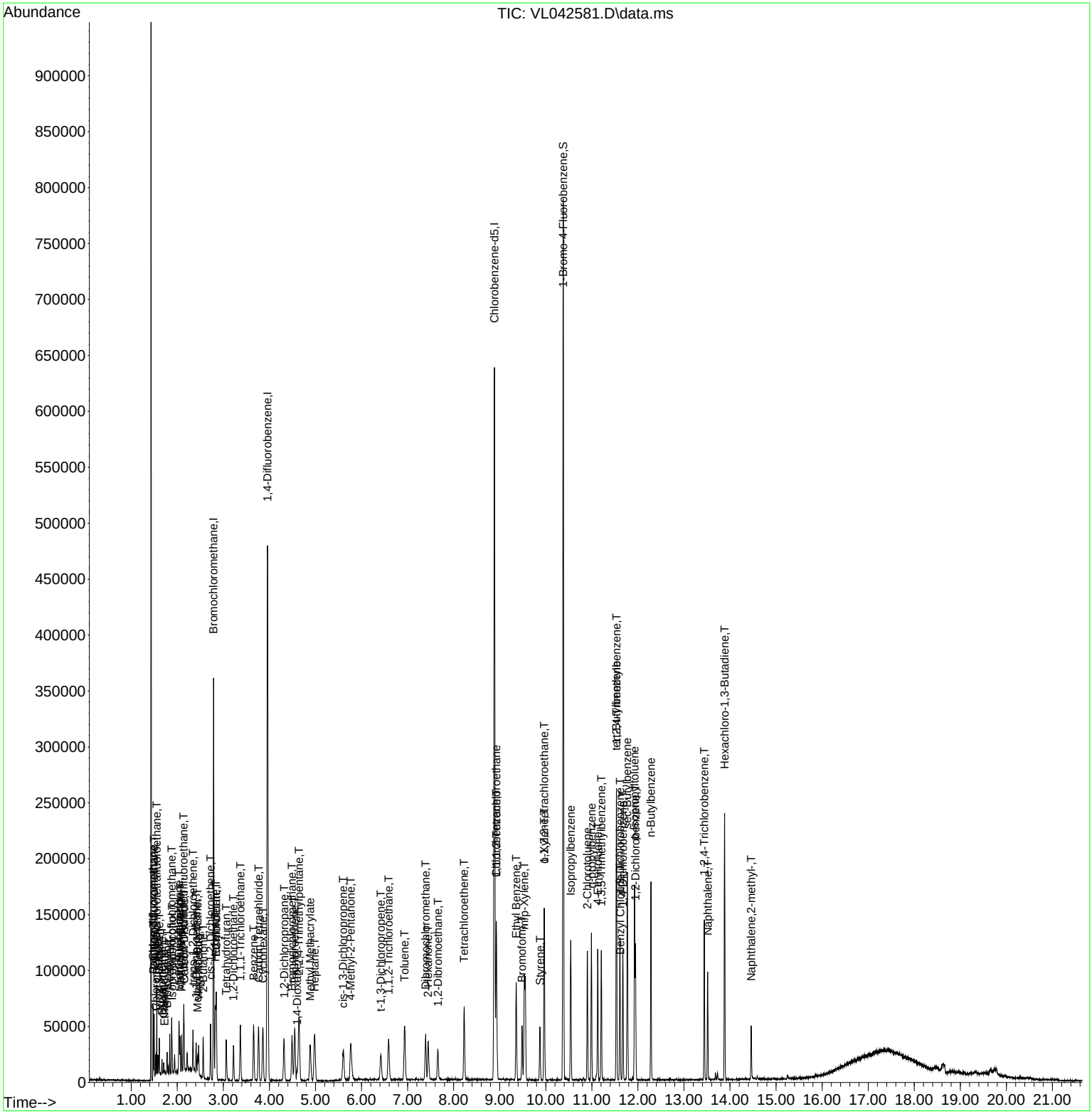
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