

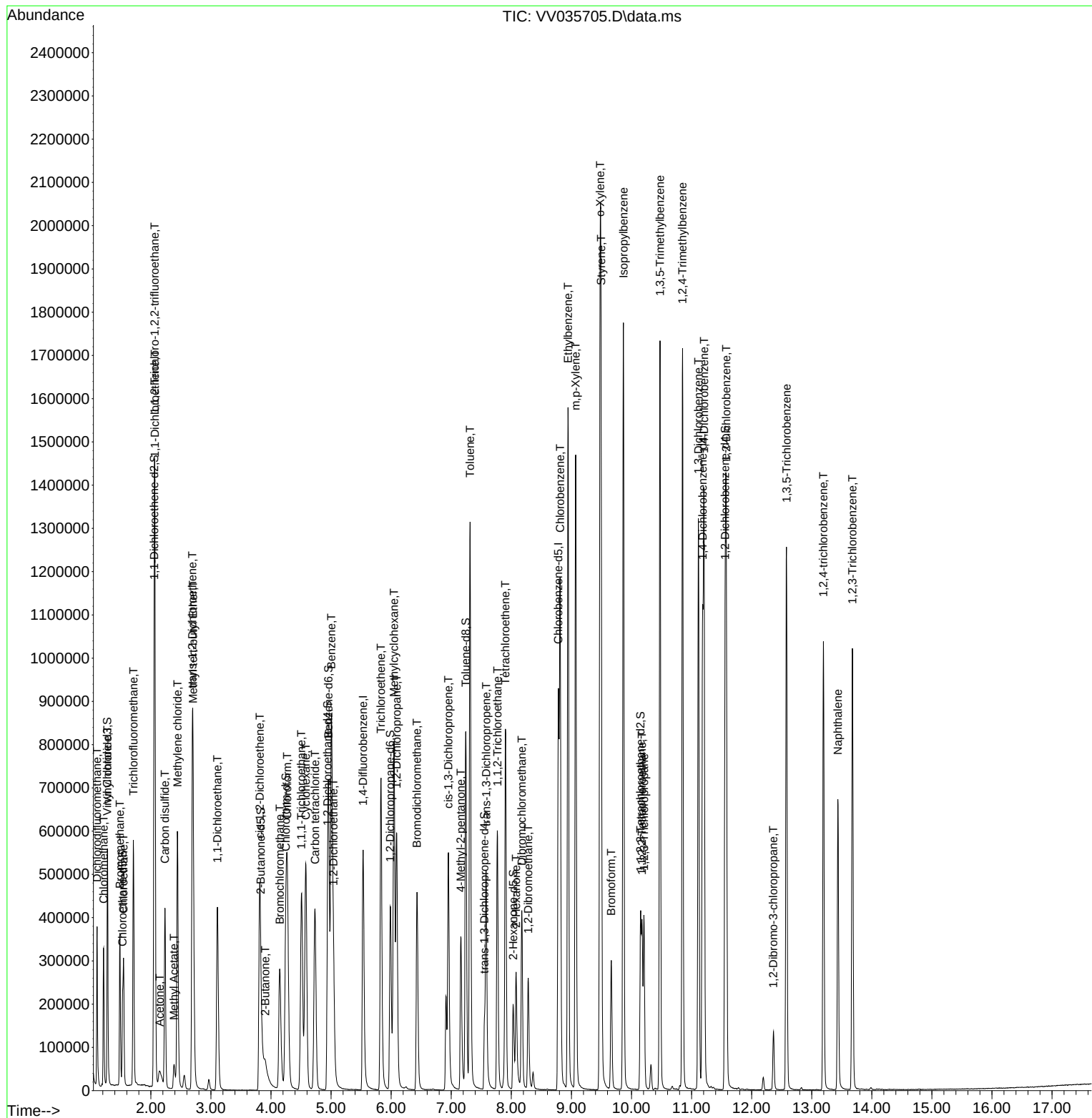
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052324\
 Data File : VV035705.D
 Acq On : 23 May 2024 16:04
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025373

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/24/2024
 Supervised By :Semsettin Yesilyurt 05/24/2024

Quant Time: May 24 01:49:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 01:44:38 2024
 Response via : Initial Calibration



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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	496459	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	487737	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	259803	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	138282	18.021	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	72.080%	
7) Chloroethane-d5	1.529	69	130841	21.136	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	84.560%	
11) 1,1-Dichloroethene-d2	2.053	65	66890	19.690	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	78.760%	
21) 2-Butanone-d5	3.828	46	114166	52.427	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	104.860%	
24) Chloroform-d	4.246	84	379071	25.683	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	102.720%	
26) 1,2-Dichloroethane-d4	4.941	65	177589	24.339	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	97.360%	
32) Benzene-d6	4.957	84	653098	24.462	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	97.840%	
36) 1,2-Dichloropropane-d6	5.986	67	215090	26.105	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	104.440%	
41) Toluene-d8	7.243	98	577911	24.321	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	97.280%	
43) trans-1,3-Dichloroprop...	7.551	79	82994	23.553	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	94.200%	
47) 2-Hexanone-d5	8.030	63	72587	48.993	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	97.980%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	192282	24.218	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	96.880%	
66) 1,2-Dichlorobenzene-d4	11.558	152	232270	25.761	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	103.040%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	211509	20.955	ug/L	99
3) Chloromethane	1.214	50	214252	21.142	ug/L	99
5) Vinyl chloride	1.278	62	238105	22.743	ug/L	99
6) Bromomethane	1.484	94	150059	22.637	ug/L	100
8) Chloroethane	1.545	64	157052	24.335	ug/L	99
9) Trichlorofluoromethane	1.709	101	331398	24.251	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	219409	25.447	ug/L	99
12) 1,1-Dichloroethene	2.066	96	188680	24.227	ug/L	98
13) Acetone	2.146	43	108718	34.105	ug/L	93
14) Carbon disulfide	2.233	76	486951	19.741	ug/L	99
15) Methyl Acetate	2.384	43	92188	19.088	ug/L	94
16) Methylene chloride	2.442	84	257355	22.480	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	210942	24.399	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	511452	24.524	ug/L	99
19) 1,1-Dichloroethane	3.108	63	438598	27.060	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	236216	25.203	ug/L	98
22) 2-Butanone	3.905	43	127296m	43.001	ug/L	
23) Bromochloromethane	4.146	128	113362	25.007	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.272	83	461611	27.580	ug/L	97
27) 1,2-Dichloroethane	5.040	62	266259	25.547	ug/L	99
29) Cyclohexane	4.580	56	283925	24.343	ug/L	98
30) 1,1,1-Trichloroethane	4.507	97	384771	28.452	ug/L	99
31) Carbon tetrachloride	4.732	117	327345	27.587	ug/L	100
33) Benzene	5.005	78	912439	28.266	ug/L	100
34) Trichloroethene	5.831	95	262502	28.749	ug/L	99
35) Methylcyclohexane	6.047	83	343489	24.778	ug/L	98
37) 1,2-Dichloropropane	6.092	63	245801	29.186	ug/L	99
38) Bromodichloromethane	6.429	83	326035	28.577	ug/L	97
39) cis-1,3-Dichloropropene	6.953	75	357440	27.135	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	242049	47.989	ug/L	99
42) Toluene	7.313	91	987270	28.900	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	309603	26.868	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	192969	26.966	ug/L	99
46) Tetrachloroethene	7.902	164	192144	25.902	ug/L	99
48) 2-Hexanone	8.079	43	172701	45.666	ug/L	100
49) Dibromochloromethane	8.175	129	215736	26.718	ug/L	98
50) 1,2-Dibromoethane	8.281	107	176711	25.067	ug/L	99
51) Chlorobenzene	8.812	112	649068	27.382	ug/L	99
52) Ethylbenzene	8.944	91	1085112	28.769	ug/L	100
53) m,p-Xylene	9.072	106	409627	28.625	ug/L	99
54) o-Xylene	9.477	106	392579	28.946	ug/L	99
55) Styrene	9.493	104	717854	30.346	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	189624	21.754	ug/L	99
59) Bromoform	9.664	173	137466	26.924	ug/L	99
60) Isopropylbenzene	9.866	105	1108778	32.039	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	161519	26.531	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	888397	32.723	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	883967	31.685	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	534430	29.426	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	546412	29.061	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	491691	28.760	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	35396	25.069	ug/L	91
69) 1,3,5-Trichlorobenzene	12.580	180	395003	27.832	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	319358	26.948	ug/L	99
71) Naphthalene	13.435	128	530622	25.504	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	302950	28.416	ug/L	99

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