Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV102324\
Data File : VV037913.D
Acq On : 23 Oct 2024 10:25
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD050316

Quant Time: Oct 24 01:43:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM092624WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 22 05:07:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	469568	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	481584	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.178	152	273632	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	185064	44.896	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 89.800%			
7) Chloroethane-d5	1.532	69	166184	51.939	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 103.880%			
11) 1,1-Dichloroethene-d2	2.056	65	88172	51.199	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 102.400%			
21) 2-Butanone-d5	3.789	46	150932	102.801	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 102.800%			
24) Chloroform-d	4.236	84	433618	59.127	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 118.260%			
26) 1,2-Dichloroethane-d4	4.931	65	251173	58.513	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 117.020%			
32) Benzene-d6	4.947	84	821564	54.518	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.040%			
36) 1,2-Dichloropropane-d6	5.979	67	262045	54.608	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 109.220%			
41) Toluene-d8	7.233	98	763419	55.868	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 111.740%			
43) trans-1,3-Dichloroprop...	7.548	79	117263	52.604	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 105.200%			
47) 2-Hexanone-d5	8.021	63	114496	112.996	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 113.000%			
56) 1,1,2,2-Tetrachloroeth...	10.143	84	316993	56.853	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 113.700%			
66) 1,2-Dichlorobenzene-d4	11.551	152	302564	52.474	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	184624	46.185	ug/L	100
3) Chloromethane	1.220	50	184683	47.588	ug/L	100
5) Vinyl chloride	1.285	62	202571	48.688	ug/L	98
6) Bromomethane	1.487	94	117944	51.081	ug/L	100
8) Chloroethane	1.548	64	133678	52.128	ug/L	98
9) Trichlorofluoromethane	1.712	101	314279	56.117	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	192910	57.643	ug/L	99
12) 1,1-Dichloroethene	2.066	96	169261	54.144	ug/L	92
13) Acetone	2.111	43	141382	98.231	ug/L	99
14) Carbon disulfide	2.236	76	407872	41.798	ug/L	100
15) Methyl Acetate	2.371	43	153518	61.120	ug/L	100
16) Methylene chloride	2.442	84	197377	55.762	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	176814	53.464	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	585097	61.665	ug/L	100
19) 1,1-Dichloroethane	3.101	63	370718	58.506	ug/L	99
20) cis-1,2-Dichloroethene	3.802	96	217347	58.728	ug/L	99
22) 2-Butanone	3.873	43	171344	107.557	ug/L	95
23) Bromochloromethane	4.133	128	113341	59.205	ug/L	97
25) Chloroform	4.265	83	395861	60.340	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.030	62	275799	59.550	ug/L	100
29) Cyclohexane	4.567	56	254742	46.589	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	332016	55.977	ug/L	100
31) Carbon tetrachloride	4.722	117	285375	55.340	ug/L	100
33) Benzene	4.998	78	797963	54.941	ug/L	100
34) Trichloroethene	5.821	95	206643	53.425	ug/L	97
35) Methylcyclohexane	6.037	83	286223	48.102	ug/L	98
37) 1,2-Dichloropropane	6.085	63	213209	56.848	ug/L	98
38) Bromodichloromethane	6.423	83	294838	58.807	ug/L	98
39) cis-1,3-Dichloropropene	6.947	75	336905	56.274	ug/L	97
40) 4-Methyl-2-pentanone	7.153	43	364578	119.389	ug/L	99
42) Toluene	7.307	91	852531	56.621	ug/L	99
44) trans-1,3-Dichloropropene	7.574	75	305559	56.690	ug/L	97
45) 1,1,2-Trichloroethane	7.760	97	215743	59.908	ug/L	99
46) Tetrachloroethene	7.895	164	159133	53.810	ug/L	99
48) 2-Hexanone	8.069	43	266591	112.272	ug/L	99
49) Dibromochloromethane	8.169	129	230381	60.444	ug/L	99
50) 1,2-Dibromoethane	8.275	107	210275	56.486	ug/L	100
51) Chlorobenzene	8.805	112	572195	55.779	ug/L	99
52) Ethylbenzene	8.937	91	939516	55.432	ug/L	99
53) m,p-Xylene	9.066	106	362914	57.534	ug/L	98
54) o-Xylene	9.471	106	352579	57.253	ug/L	94
55) Styrene	9.487	104	647131	60.363	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.169	83	297311	59.214	ug/L	99
59) Bromoform	9.657	173	156155	58.389	ug/L	97
60) Isopropylbenzene	9.860	105	962107	54.082	ug/L	99
61) 1,2,3-Trichloropropane	10.201	75	215157	55.258	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	758680	53.942	ug/L	100
63) 1,2,4-Trimethylbenzene	10.844	105	772768	55.221	ug/L	100
64) 1,3-Dichlorobenzene	11.107	146	479613	56.011	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	498232	55.878	ug/L	98
67) 1,2-Dichlorobenzene	11.570	146	466473	55.107	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.355	75	49611	52.489	ug/L	99
69) 1,3,5-Trichlorobenzene	12.574	180	323965	55.017	ug/L	99
70) 1,2,4-trichlorobenzene	13.191	180	296218	54.219	ug/L	100
71) Naphthalene	13.432	128	764115	53.532	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	298668	55.358	ug/L	99

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

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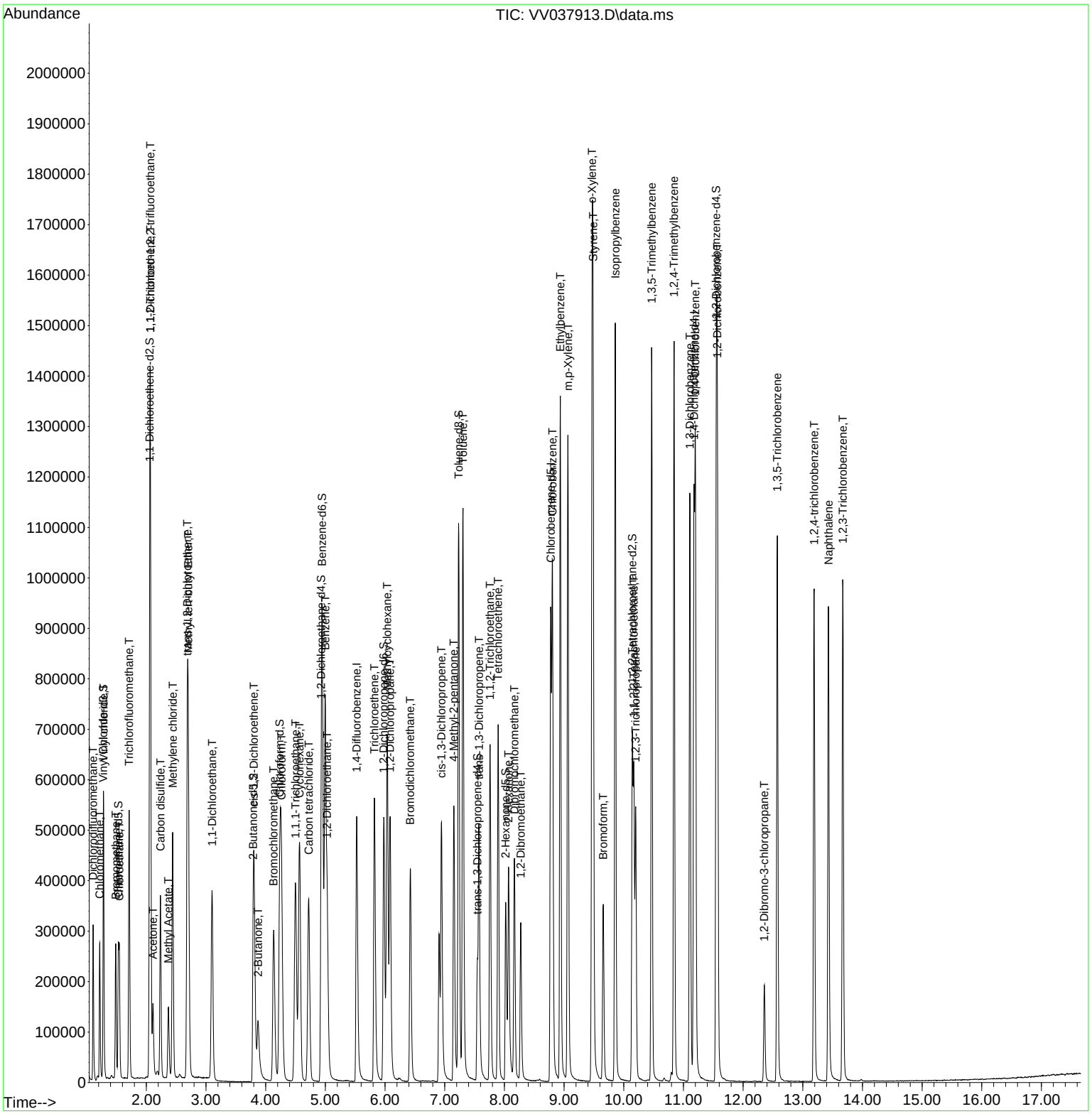
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