Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112022\
Data File : VU051989.D
Acq On : 20 Nov 2022 21:42
Operator : JC/MD
Sample : N5683-04MSD
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ESQW0MSD

Quant Time: Nov 21 01:04:07 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM111522WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 18 00:53:49 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	6.247	114	456633	50.000 ug/L	0.00
28) Chlorobenzene-d5	9.414	117	453644	50.000 ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	224581	50.000 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.601	65	84980	37.908 ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 75.820%		
7) Chloroethane-d5	1.906	69	93916	41.814 ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 83.620%		
11) 1,1-Dichloroethene-d2	2.568	63	173011	43.038 ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 86.080%		
21) 2-Butanone-d5	4.613	46	253917	99.609 ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 99.610%		
24) Chloroform-d	5.060	84	259673	46.208 ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.420%		
26) 1,2-Dichloroethane-d4	5.700	65	158941	46.204 ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 92.400%		
32) Benzene-d6	5.726	84	446973	47.255 ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.520%		
36) 1,2-Dichloropropane-d6	6.687	67	168354	47.817 ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 95.640%		
41) Toluene-d8	7.896	98	371694	47.876 ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.760%		
43) trans-1,3-Dichloroprop...	8.176	79	62046	44.244 ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.480%		
47) 2-Hexanone-d5	8.629	63	187170	104.602 ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 104.600%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	335026	48.892 ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 97.780%		
66) 1,2-Dichlorobenzene-d4	12.189	152	188904	47.797 ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.600%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.385	85	120237	42.889 ug/L	97
3) Chloromethane	1.527	50	182223	48.945 ug/L	99
5) Vinyl chloride	1.604	62	184369	47.743 ug/L	99
6) Bromomethane	1.845	94	101132	60.448 ug/L	99
8) Chloroethane	1.929	64	121974	48.582 ug/L	100
9) Trichlorofluoromethane	2.138	101	210929	45.622 ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	127419	43.730 ug/L	99
12) 1,1-Dichloroethene	2.578	96	130846	48.082 ug/L	96
13) Acetone	2.620	43	169041	61.982 ug/L	99
14) Carbon disulfide	2.790	76	331998	44.036 ug/L	100
15) Methyl Acetate	2.945	43	162363	43.668 ug/L	99
16) Methylene chloride	3.044	84	190952	43.955 ug/L	99
17) trans-1,2-Dichloroethene	3.350	96	142758	48.679 ug/L	96
18) Methyl tert-butyl Ether	3.359	73	478934	52.765 ug/L	100
19) 1,1-Dichloroethane	3.867	63	300214	50.298 ug/L	98
20) cis-1,2-Dichloroethene	4.662	96	176345	51.525 ug/L	97
22) 2-Butanone	4.694	43	270884	87.946 ug/L	100
23) Bromochloromethane	4.970	128	95669	50.654 ug/L	98
25) Chloroform	5.086	83	311635	50.039 ug/L	100

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Quant Title : VOC Analysis
QLast Update : Fri Nov 18 00:53:49 2022
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
27) 1,2-Dichloroethane	5.790	62	233616	50.762 ug/L	100
29) Cyclohexane	5.388	56	197110	50.927 ug/L	98
30) 1,1,1-Trichloroethane	5.314	97	231372	50.447 ug/L	99
31) Carbon tetrachloride	5.523	117	183644	47.895 ug/L	98
33) Benzene	5.771	78	690786	52.938 ug/L	100
34) Trichloroethene	6.539	95	157142	50.831 ug/L	97
35) Methylcyclohexane	6.761	83	194903	46.496 ug/L	100
37) 1,2-Dichloropropane	6.787	63	190904	51.665 ug/L	100
38) Bromodichloromethane	7.102	83	235088	50.853 ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	239618	49.575 ug/L	98
40) 4-Methyl-2-pentanone	7.787	43	534781	109.905 ug/L	100
42) Toluene	7.967	91	723997	53.942 ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	231246	49.928 ug/L	98
45) 1,1,2-Trichloroethane	8.398	97	192542	51.277 ug/L	99
46) Tetrachloroethene	8.549	164	115675	46.853 ug/L	99
48) 2-Hexanone	8.681	43	440989	105.524 ug/L	98
49) Dibromochloromethane	8.806	129	194416	50.216 ug/L	98
50) 1,2-Dibromoethane	8.919	107	191834	50.750 ug/L	97
51) Chlorobenzene	9.443	112	458183	49.959 ug/L	99
52) Ethylbenzene	9.568	91	721979	52.562 ug/L	99
53) m,p-Xylene	9.690	106	281820	53.005 ug/L	98
54) o-Xylene	10.099	106	293808	54.293 ug/L	99
55) Styrene	10.111	104	512643	54.902 ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.777	83	358608	50.540 ug/L	99
59) Bromoform	10.288	173	147273	48.366 ug/L	100
60) 1,2,3-Trichloropropane	10.819	75	275744	51.328 ug/L	99
61) Isopropylbenzene	10.481	105	707108	53.872 ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	573079	53.581 ug/L	100
63) 1,2,4-Trimethylbenzene	11.465	105	572068	54.746 ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	339877	51.090 ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	339492	50.393 ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	366716	51.840 ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.992	75	69719	50.688 ug/L	95
69) 1,3,5-Trichlorobenzene	13.214	180	214337	48.563 ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	178973	51.159 ug/L	99
71) Naphthalene	14.082	128	728137	63.286 ug/L	100
72) 1,2,3-Trichlorobenzene	14.327	180	212079	55.388 ug/L	99

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

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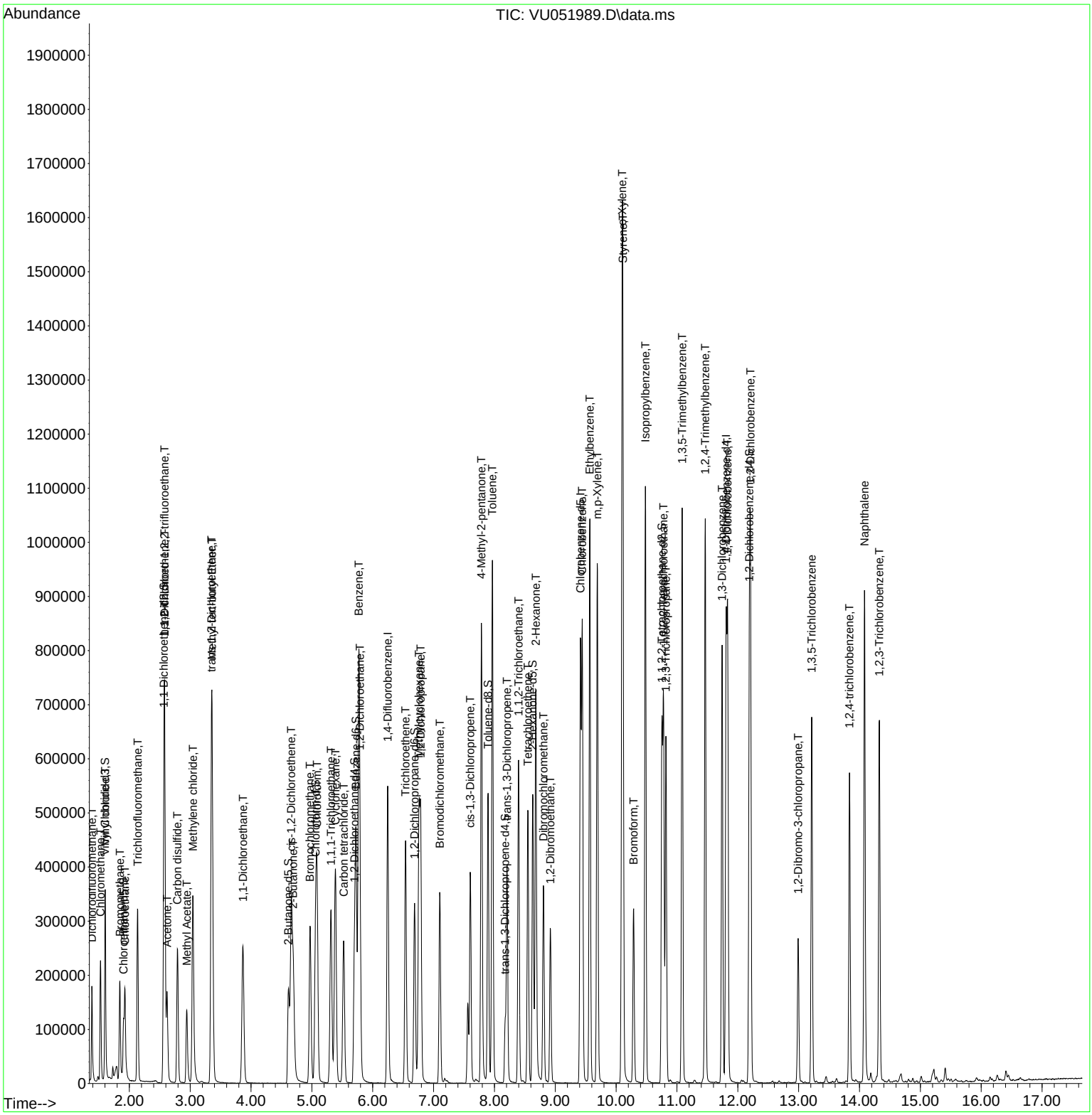
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