Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV120723\
Data File : VV033175.D
Acq On : 08 Dec 2023 02:38
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 47 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD050352

Quant Time: Dec 08 04:20:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 08 04:15:58 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	276430	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	285067	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	171992	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	54485	32.971	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 65.940%			
7) Chloroethane-d5	1.529	69	43835	38.071	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 76.140%			
11) 1,1-Dichloroethene-d2	2.060	65	22360	35.568	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.140%			
21) 2-Butanone-d5	3.780	46	89926	109.564	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 109.560%			
24) Chloroform-d	4.249	84	159326	45.432	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.860%			
26) 1,2-Dichloroethane-d4	4.941	65	103131	47.300	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.600%			
32) Benzene-d6	4.960	84	276515	41.475	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 82.940%			
36) 1,2-Dichloropropane-d6	5.989	67	78038	43.533	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 87.060%			
41) Toluene-d8	7.243	98	264182	41.538	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 83.080%			
43) trans-1,3-Dichloroprop...	7.551	79	45857	40.454	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.900%			
47) 2-Hexanone-d5	8.021	63	78339	108.781	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 108.780%			
56) 1,1,2,2-Tetrachloroeth...	10.153	84	133612	52.432	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 104.860%			
66) 1,2-Dichlorobenzene-d4	11.561	152	140864	46.032	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 92.060%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.105	85	143961	47.645	ug/L	99
3) Chloromethane	1.214	50	95644	47.993	ug/L	99
5) Vinyl chloride	1.285	62	93117	48.720	ug/L	99
6) Bromomethane	1.484	94	62989	50.507	ug/L	96
8) Chloroethane	1.548	64	50114	49.250	ug/L	100
9) Trichlorofluoromethane	1.712	101	166751	52.874	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	75527	50.998	ug/L	97
12) 1,1-Dichloroethene	2.069	96	73760	53.223	ug/L	93
13) Acetone	2.108	43	60464	77.167	ug/L	97
14) Carbon disulfide	2.243	76	227375	45.729	ug/L	100
15) Methyl Acetate	2.368	43	65646	50.267	ug/L	96
16) Methylene chloride	2.449	84	91668	49.952	ug/L	94
17) trans-1,2-Dichloroethene	2.693	96	93503	51.386	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	287821	52.070	ug/L	99
19) 1,1-Dichloroethane	3.111	63	149400	49.608	ug/L	98
20) cis-1,2-Dichloroethene	3.815	96	103820	53.772	ug/L	97
22) 2-Butanone	3.860	43	85586	85.831	ug/L	97
23) Bromochloromethane	4.146	128	57335	51.717	ug/L	95
25) Chloroform	4.275	83	181296	52.343	ug/L	94

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	142998	52.246 ug/L	99
29) Cyclohexane	4.584	56	116651	44.304 ug/L	94
30) 1,1,1-Trichloroethane	4.510	97	179223	50.872 ug/L	99
31) Carbon tetrachloride	4.735	117	169532	51.753 ug/L	98
33) Benzene	5.008	78	366344	50.713 ug/L	100
34) Trichloroethene	5.831	95	103097	47.771 ug/L	98
35) Methylcyclohexane	6.050	83	146719	46.842 ug/L	98
37) 1,2-Dichloropropane	6.092	63	81867	48.969 ug/L	98
38) Bromodichloromethane	6.432	83	138481	51.380 ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	144263	47.555 ug/L	97
40) 4-Methyl-2-pentanone	7.156	43	183771	103.528 ug/L	99
42) Toluene	7.317	91	418662	51.431 ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	151861	49.505 ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	99864	51.518 ug/L	99
46) Tetrachloroethene	7.905	164	92518	49.869 ug/L	97
48) 2-Hexanone	8.072	43	140142	95.224 ug/L	97
49) Dibromochloromethane	8.175	129	119753	51.751 ug/L	99
50) 1,2-Dibromoethane	8.281	107	108167	52.339 ug/L	99
51) Chlorobenzene	8.815	112	290379	50.727 ug/L	98
52) Ethylbenzene	8.947	91	473979	50.586 ug/L	100
53) m,p-Xylene	9.072	106	189117	50.967 ug/L	94
54) o-Xylene	9.477	106	188008	51.347 ug/L	97
55) Styrene	9.497	104	334348	52.785 ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	139183	52.553 ug/L	98
59) Bromoform	9.664	173	101084	54.152 ug/L	99
60) Isopropylbenzene	9.866	105	511273	51.555 ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	112700	52.550 ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	412424	51.618 ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	434939	52.270 ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	266563	50.313 ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	274439	49.866 ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	265267	51.072 ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	34040	51.728 ug/L	96
69) 1,3,5-Trichlorobenzene	12.583	180	204857	48.272 ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	191204	48.767 ug/L	99
71) Naphthalene	13.439	128	475763	49.757 ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	193876	51.246 ug/L	100

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

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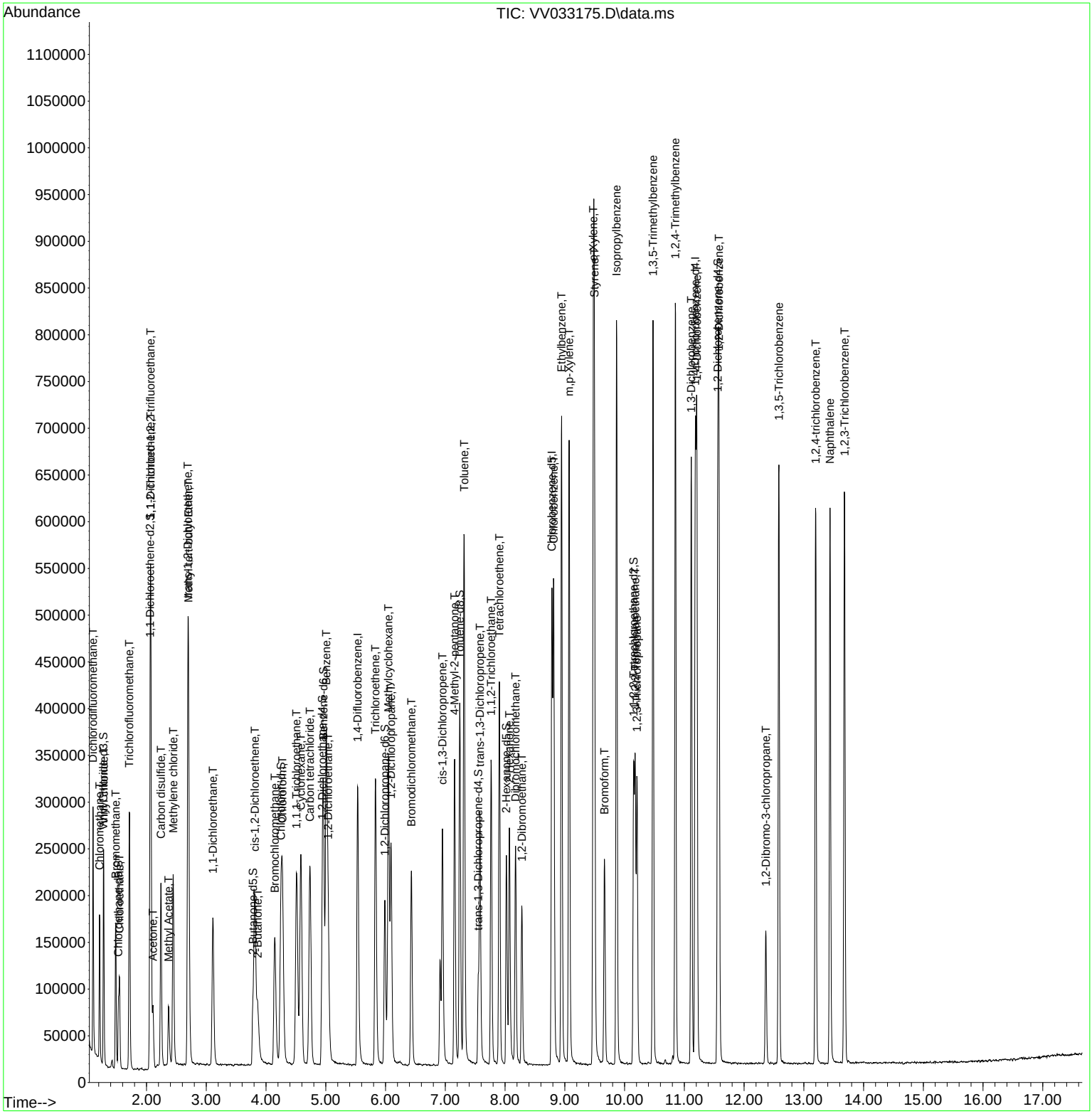
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