Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW090123\
Data File : VW026983.D
Acq On : 01 Sep 2023 09:46
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025489

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/04/2023
Supervised By :Mahesh Dadoda 09/04/2023

Quant Time: Sep 02 00:29:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM081023SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Sep 01 00:44:05 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	699601	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	660110	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	373916	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	266147	23.142	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.560%			
7) Chloroethane-d5	2.893	69	244085	28.542	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 114.160%			
11) 1,1-Dichloroethene-d2	4.021	65	107962	19.087	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 76.360%			
21) 2-Butanone-d5	7.075	46	146036	44.180	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 88.360%			
24) Chloroform-d	7.648	84	575236	24.498	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 98.000%			
26) 1,2-Dichloroethane-d4	8.307	65	287578	22.193	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 88.760%			
32) Benzene-d6	8.270	84	1148370	25.242	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 100.960%			
36) 1,2-Dichloropropane-d6	9.270	67	347385	24.514	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.040%			
41) Toluene-d8	10.319	98	1034332	26.486	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 105.960%			
43) trans-1,3-Dichloroprop...	10.575	79	135248	23.115	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 92.480%			
47) 2-Hexanone-d5	10.922	63	78899	52.986	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 105.980%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	304068	27.170	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 108.680%			
66) 1,2-Dichlorobenzene-d4	13.849	152	371814	27.782	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 111.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	178827m	18.800	ug/L	
3) Chloromethane	2.216	50	235001	18.068	ug/L	99
5) Vinyl chloride	2.369	62	299869	24.117	ug/L	98
6) Bromomethane	2.783	94	193894	26.765	ug/L	97
8) Chloroethane	2.930	64	200288	26.884	ug/L	99
9) Trichlorofluoromethane	3.259	101	183519	17.985	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	262150	23.784	ug/L	93
12) 1,1-Dichloroethene	4.045	96	237559	22.973	ug/L	81
13) Acetone	4.119	43	132513	40.318	ug/L	92
14) Carbon disulfide	4.393	76	606412	16.301	ug/L	99
15) Methyl Acetate	4.667	43	114737m	17.428	ug/L	
16) Methylene chloride	4.917	84	284296	21.007	ug/L	88
17) trans-1,2-Dichloroethene	5.423	96	261310	22.646	ug/L	87
18) Methyl tert-butyl Ether	5.429	73	424869	24.334	ug/L	96
19) 1,1-Dichloroethane	6.216	63	521774	21.970	ug/L	99
20) cis-1,2-Dichloroethene	7.167	96	314096	25.324	ug/L	86
22) 2-Butanone	7.167	43	169673	35.031	ug/L	88
23) Bromochloromethane	7.514	128	133983	25.008	ug/L #	79
25) Chloroform	7.679	83	520247	22.675	ug/L	98

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Quant Title : SFAM01.0
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Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	325976	20.366 ug/L	95
29) Cyclohexane	7.953	56	408782	20.025 ug/L	90
30) 1,1,1-Trichloroethane	7.874	97	406196	23.578 ug/L	98
31) Carbon tetrachloride	8.069	117	351817	22.335 ug/L	94
33) Benzene	8.325	78	1148341	23.888 ug/L	100
34) Trichloroethene	9.093	95	298990	24.421 ug/L	94
35) Methylcyclohexane	9.337	83	483859	23.102 ug/L	91
37) 1,2-Dichloropropane	9.368	63	296389	22.510 ug/L #	97
38) Bromodichloromethane	9.642	83	368693	23.869 ug/L	99
39) cis-1,3-Dichloropropene	10.069	75	459268	24.246 ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	328806	38.390 ug/L #	92
42) Toluene	10.386	91	1261406	25.940 ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	386436	23.702 ug/L	96
45) 1,1,2-Trichloroethane	10.788	97	227108	25.220 ug/L	95
46) Tetrachloroethene	10.861	164	234566	26.372 ug/L	95
48) 2-Hexanone	10.965	43	230982	39.634 ug/L #	92
49) Dibromochloromethane	11.123	129	244779	25.989 ug/L	96
50) 1,2-Dibromoethane	11.233	107	209398	24.782 ug/L	92
51) Chlorobenzene	11.654	112	806539	26.257 ug/L	98
52) Ethylbenzene	11.727	91	1399648	25.667 ug/L	97
53) m,p-Xylene	11.837	106	533222	26.394 ug/L	96
54) o-Xylene	12.160	106	522420	27.708 ug/L	98
55) Styrene	12.178	104	904518	27.591 ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.709	83	267870	23.488 ug/L	100
59) Bromoform	12.349	173	139742	23.857 ug/L	97
60) Isopropylbenzene	12.459	105	1432218	25.763 ug/L	98
61) 1,2,3-Trichloropropane	12.763	75	186373	20.548 ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	1196678	27.234 ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	1167280	27.109 ug/L	100
64) 1,3-Dichlorobenzene	13.495	146	618467	25.581 ug/L	91
65) 1,4-Dichlorobenzene	13.574	146	649426	25.739 ug/L	99
67) 1,2-Dichlorobenzene	13.867	146	570867	25.966 ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.477	75	40950	18.728 ug/L	93
69) 1,3,5-Trichlorobenzene	14.623	180	453835	27.785 ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	379297	27.388 ug/L	97
71) Naphthalene	15.360	128	661871	25.055 ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	334072	26.745 ug/L	98

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

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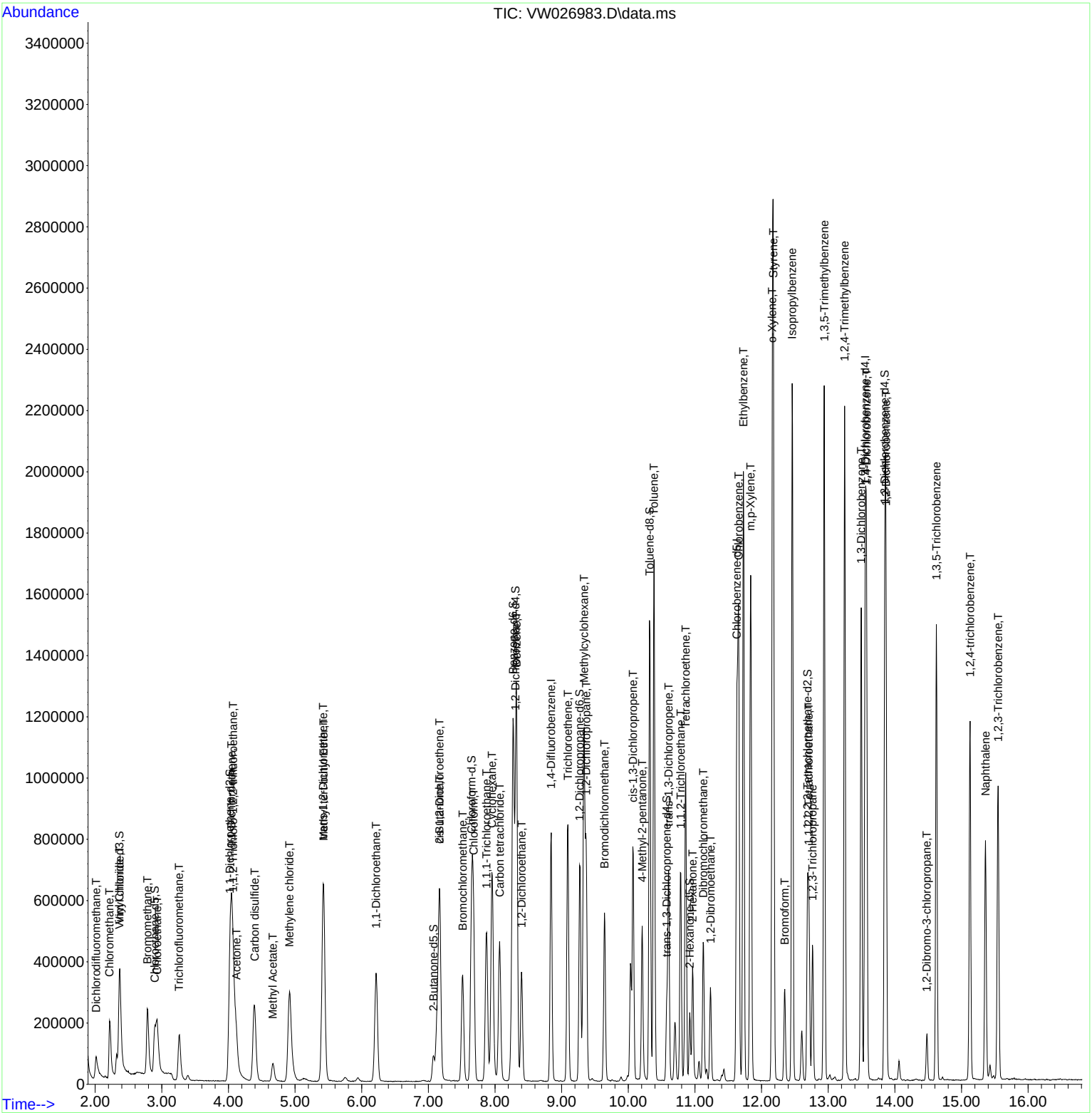
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