Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062524\
Data File : VW029338.D
Acq On : 25 Jun 2024 09:04
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025519

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 06/26/2024
Supervised By :Mahesh Dadoda 06/26/2024

Quant Time: Jun 26 02:18:40 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM061824SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Jun 25 01:37:56 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	283558	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	263990	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	128556	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	80959	20.628	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 82.520%			
7) Chloroethane-d5	2.899	69	65998	19.913	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 79.640%			
11) 1,1-Dichloroethene-d2	4.021	65	38655	20.398	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 81.600%			
21) 2-Butanone-d5	7.075	46	52912	45.061	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 90.120%			
24) Chloroform-d	7.654	84	188561	22.292	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 89.160%			
26) 1,2-Dichloroethane-d4	8.307	65	105088	21.638	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 86.560%			
32) Benzene-d6	8.276	84	359451	22.417	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 89.680%			
36) 1,2-Dichloropropane-d6	9.276	67	114750	22.513	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 90.040%			
41) Toluene-d8	10.325	98	324372	22.865	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 91.440%			
43) trans-1,3-Dichloroprop...	10.575	79	44873	21.846	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 87.400%			
47) 2-Hexanone-d5	10.922	63	36999	46.305	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 92.600%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	90545	22.320	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 89.280%			
66) 1,2-Dichlorobenzene-d4	13.849	152	103513	23.197	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.015	85	55157	19.938	ug/L	99
3) Chloromethane	2.223	50	74400	18.861	ug/L	95
5) Vinyl chloride	2.375	62	98108	21.658	ug/L	99
6) Bromomethane	2.790	94	54969	20.190	ug/L	91
8) Chloroethane	2.936	64	61380	22.153	ug/L	97
9) Trichlorofluoromethane	3.271	101	86882	24.739	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	91442m	23.615	ug/L	
12) 1,1-Dichloroethene	4.045	96	78582	23.917	ug/L	77
13) Acetone	4.125	43	65942	66.081	ug/L	97
14) Carbon disulfide	4.387	76	236432	22.044	ug/L	99
15) Methyl Acetate	4.667	43	45273	22.853	ug/L	99
16) Methylene chloride	4.917	84	103309	20.720	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	87848	24.076	ug/L	97
18) Methyl tert-butyl Ether	5.429	73	138863	23.787	ug/L	99
19) 1,1-Dichloroethane	6.222	63	189071	23.992	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	98290	24.428	ug/L	98
22) 2-Butanone	7.167	43	74526	54.482	ug/L	99
23) Bromochloromethane	7.514	128	41198	23.000	ug/L	94
25) Chloroform	7.679	83	184471	23.972	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	130022	22.909	ug/L	100
29) Cyclohexane	7.959	56	149147	24.713	ug/L	99
30) 1,1,1-Trichloroethane	7.874	97	147402	25.110	ug/L	97
31) Carbon tetrachloride	8.069	117	131845	24.586	ug/L	97
33) Benzene	8.325	78	397994	25.091	ug/L	100
34) Trichloroethene	9.093	95	101263	23.929	ug/L	99
35) Methylcyclohexane	9.337	83	168488	25.316	ug/L	98
37) 1,2-Dichloropropane	9.368	63	108883	24.429	ug/L	99
38) Bromodichloromethane	9.642	83	132761	24.362	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	155986	24.758	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	131407	47.567	ug/L	99
42) Toluene	10.386	91	412066	25.270	ug/L	98
44) trans-1,3-Dichloropropene	10.605	75	131612	24.739	ug/L	99
45) 1,1,2-Trichloroethane	10.782	97	74642	24.045	ug/L	98
46) Tetrachloroethene	10.861	164	72484	24.502	ug/L	87
48) 2-Hexanone	10.965	43	105190	53.662	ug/L	97
49) Dibromochloromethane	11.129	129	78802	24.285	ug/L	96
50) 1,2-Dibromoethane	11.233	107	65818	23.620	ug/L	96
51) Chlorobenzene	11.660	112	253767	23.965	ug/L	95
52) Ethylbenzene	11.727	91	472379	25.520	ug/L	98
53) m,p-Xylene	11.837	106	174115	25.753	ug/L	99
54) o-Xylene	12.160	106	164724	26.069	ug/L	93
55) Styrene	12.178	104	285431	25.907	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.715	83	88825	23.133	ug/L	96
59) Bromoform	12.349	173	41601	23.611	ug/L	96
60) Isopropylbenzene	12.459	105	456768	26.665	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	65745	23.447	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	341940	27.563	ug/L	97
63) 1,2,4-Trimethylbenzene	13.245	105	359878	26.962	ug/L	96
64) 1,3-Dichlorobenzene	13.495	146	195179	26.330	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	199270	25.265	ug/L	100
67) 1,2-Dichlorobenzene	13.867	146	178259	26.012	ug/L	98
68) 1,2-Dibromo-3-chloropr...	14.476	75	13564	20.729	ug/L	89
69) 1,3,5-Trichlorobenzene	14.623	180	132723	26.529	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	105597	26.038	ug/L	98
71) Naphthalene	15.360	128	194203	24.262	ug/L	100
72) 1,2,3-Trichlorobenzene	15.549	180	92684	25.082	ug/L	95

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

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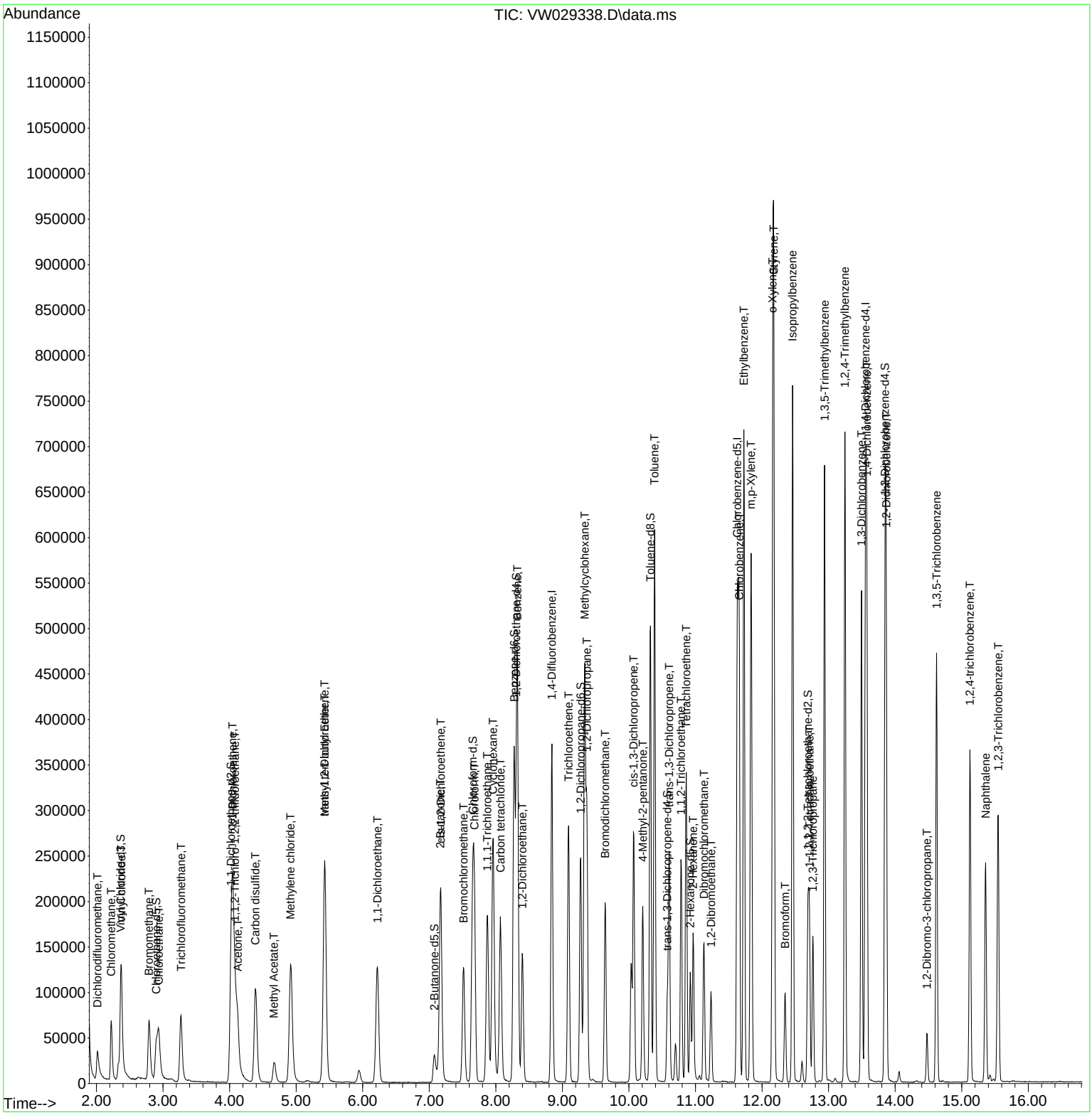
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