Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032719\

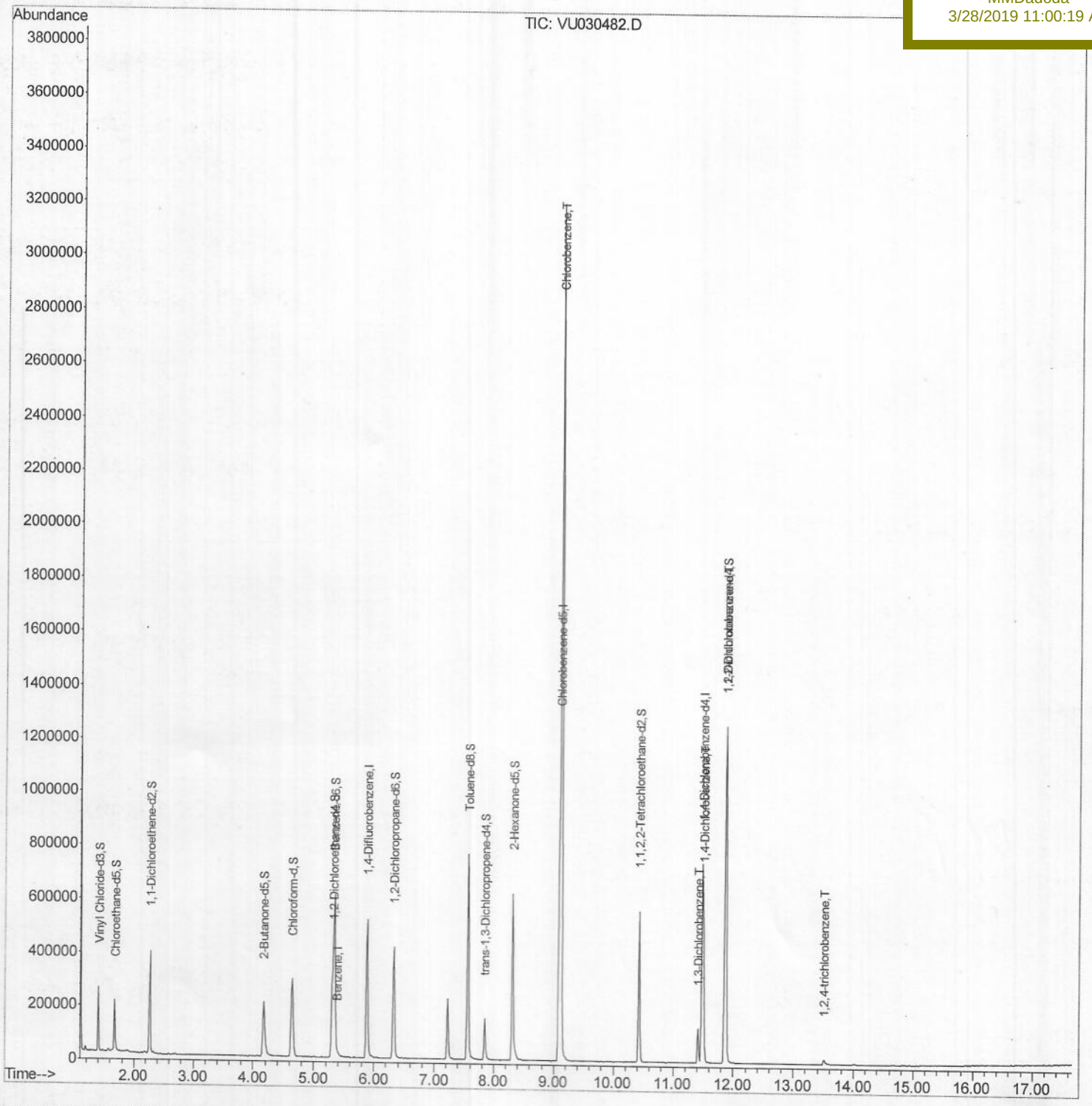
Quantitation Report (QT Reviewed)

Data File : VU030482.D
Acq On : 27 Mar 2019 14:43
Operator : JC/SP
Sample : K2022-16 500X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 28 02:32:57 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C09E4

Manual Integrations APPROVED
MMDadoda
3/28/2019 11:00:19 AM



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032719\

Quantitation Report (Qedit)

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Operator : JC/SP
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Quant Time: Mar 28 01:31:12 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration

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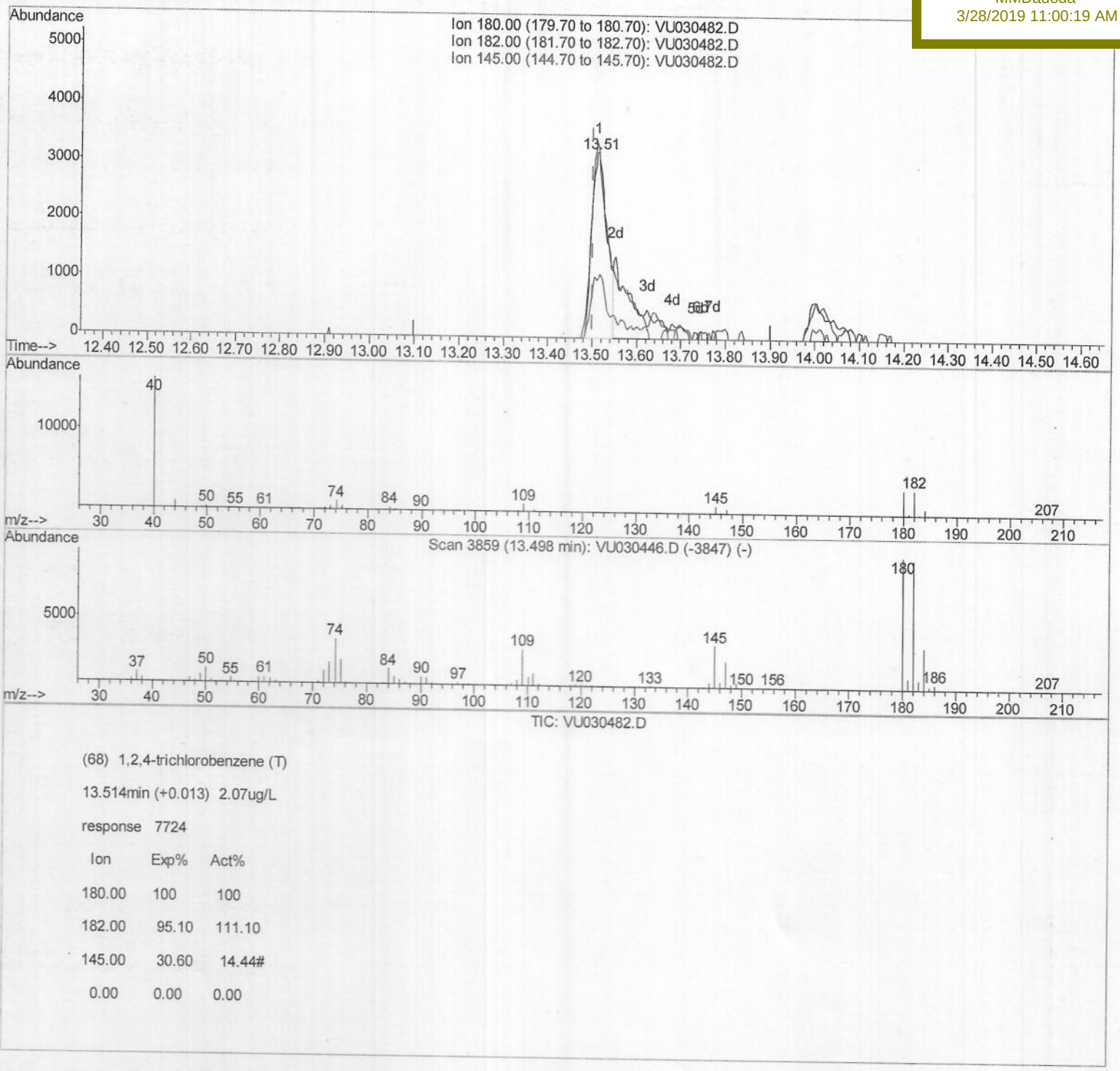
Manual Integrations APPROVED
MMDadoda
3/28/2019 11:00:19 AM



(68) 1,2,4-trichlorobenzene (T)

13.514min (+0.013) 2.07ug/L

response 7724

Ion	Exp%	Act%
180.00	100	100
182.00	95.10	111.10
145.00	30.60	14.44#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032719\

Quantitation Report (Qedit)

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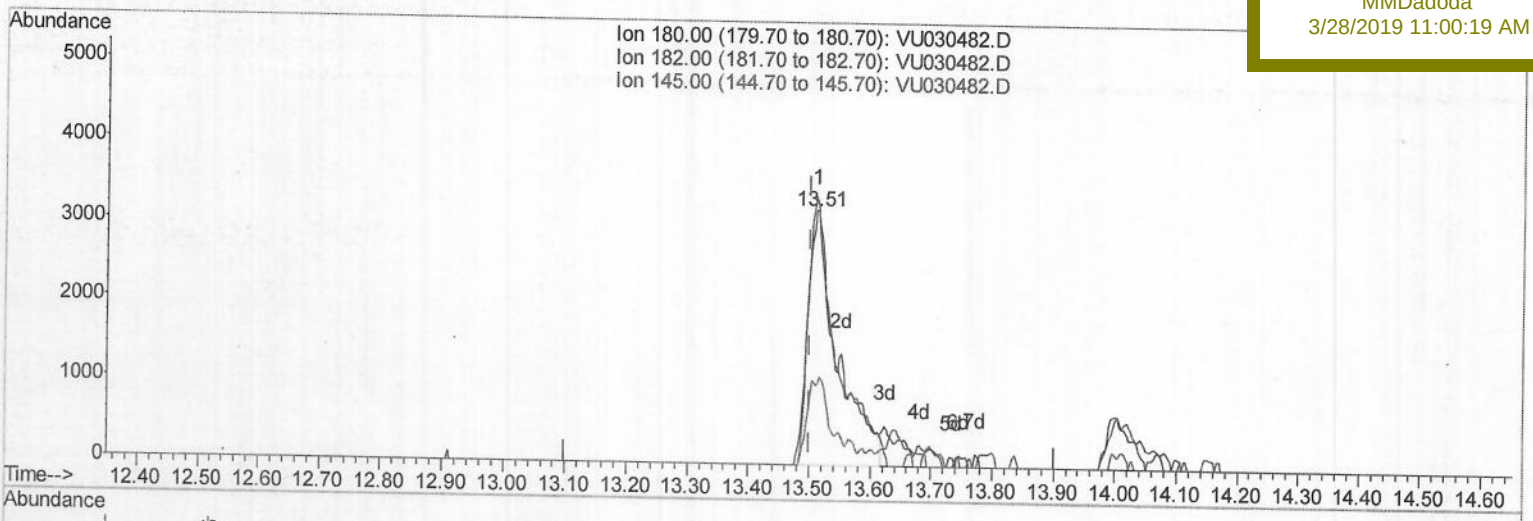
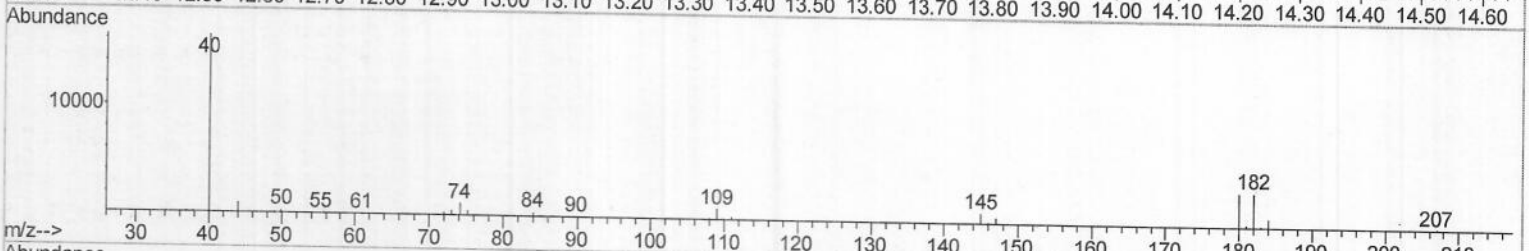
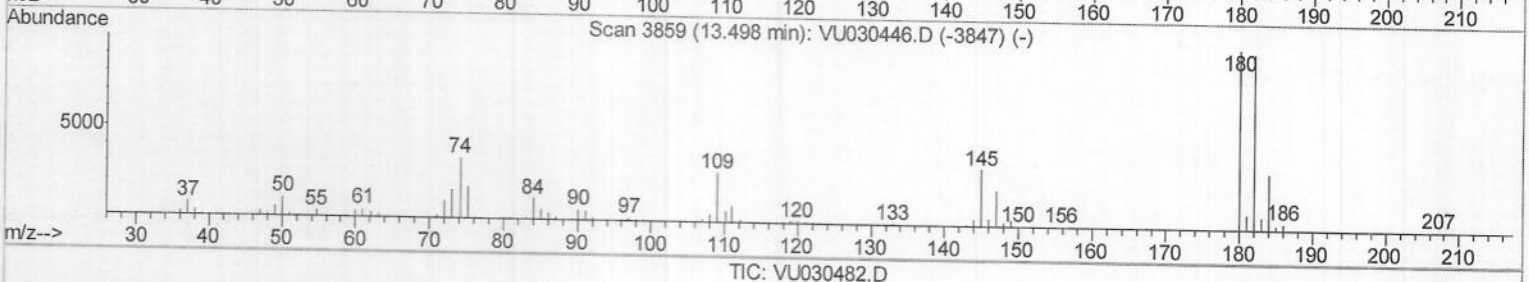
Manual Integrations APPROVED
MMDadoda
3/28/2019 11:00:19 AM







TIC: VU030482.D

(68) 1,2,4-trichlorobenzene (T)

13.514min (+0.013) 2.91ug/L m

response 10844

M.D 4/5/19

Ion	Exp%	Act%
180.00	100	100
182.00	95.10	79.13
145.00	30.60	10.28#
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032719\

Quantitation Report (QT Reviewed)

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Quant Title : VOC Analysis
QLast Update : Thu Mar 28 01:25:46 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : C09E4

Manual Integrations APPROVED
MMDadoda
3/28/2019 11:00:19 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	435104	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	416489	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	175062	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	153642	43.88	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 87.76%			
7) Chloroethane-d5	1.67	69	131741	47.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 94.94%			
11) 1,1-Dichloroethene-d2	2.27	63	227057	34.18	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 68.36%			
21) 2-Butanone-d5	4.17	46	342398	104.02	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.02%			
24) Chloroform-d	4.65	84	292479	48.48	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.96%			
26) 1,2-Dichloroethane-d4	5.31	65	202580	51.31	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.62%			
32) Benzene-d6	5.34	84	580308	48.59	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.18%			
36) 1,2-Dichloropropane-d6	6.33	67	214319	52.45	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.90%			
41) Toluene-d8	7.56	98	508635	47.42	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.84%			
43) trans-1,3-Dichloropropene-	7.85	79	91973	47.86	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 95.72%			
47) 2-Hexanone-d5	8.31	63	212561	95.99	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 95.99%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	291407	49.83	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.66%			
64) 1,2-Dichlorobenzene-d4	11.86	152	181704	51.80	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 103.60%			
Target Compounds						Qvalue
33) Benzene	5.39	78	16039	1.131	ug/L	100
51) Chlorobenzene	9.12	112	1614011	180.991	ug/L	99
62) 1,3-Dichlorobenzene	11.41	146	50005	8.734	ug/L	96
63) 1,4-Dichlorobenzene	11.50	146	178683	30.317	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	414238	71.558	ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	10844m	2.912	ug/L	

M,D 4/5/19

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