Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030919\

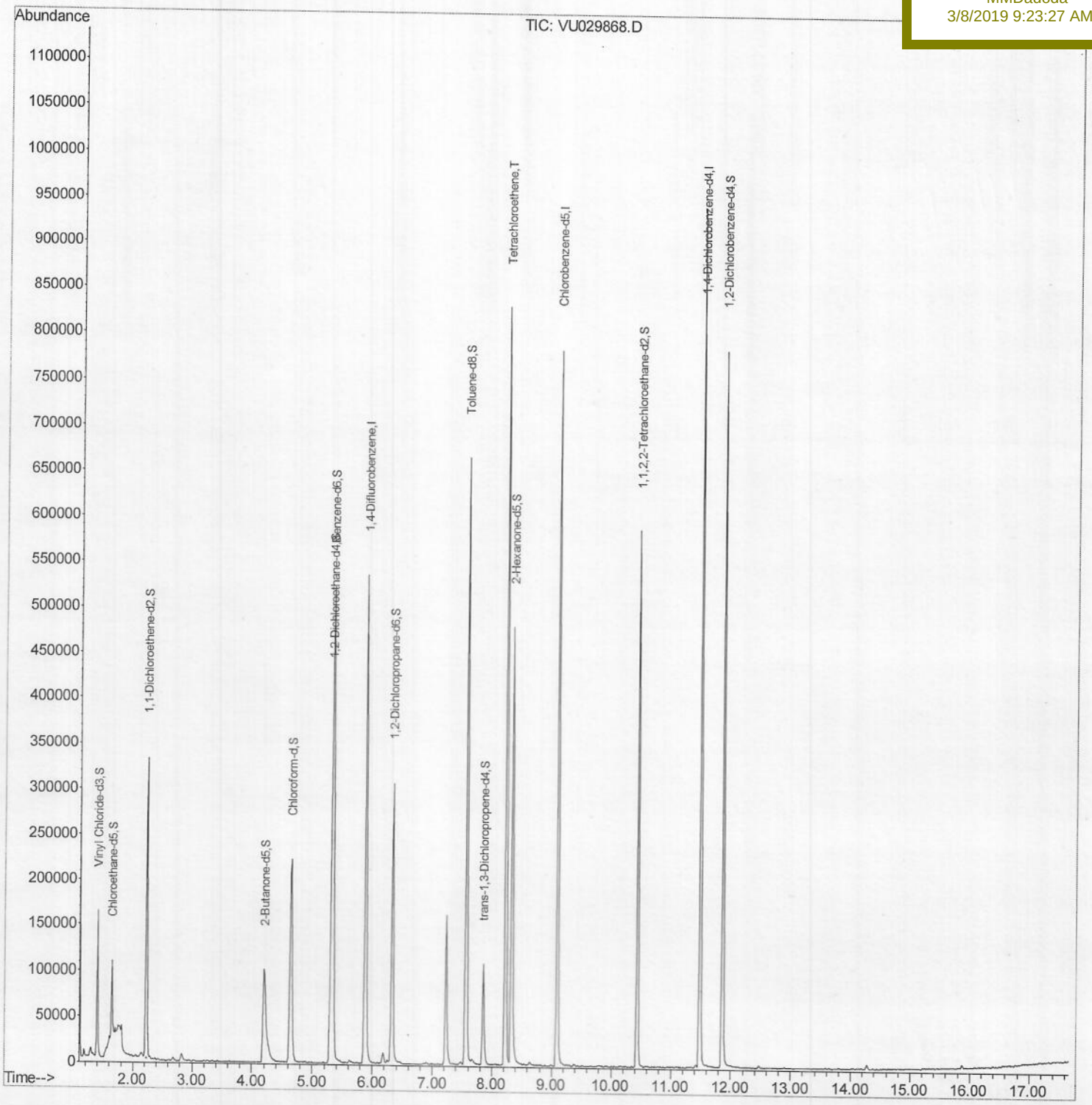
Quantitation Report (QT Reviewed)

Data File : VU029868.D
Acq On : 07 Mar 2019 22:08
Operator : JC/SP
Sample : K1789-06ME
Misc : 5.83g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 08 07:06:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0P2ME

Manual Integrations APPROVED
MMDadoda
3/8/2019 9:23:27 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030919\

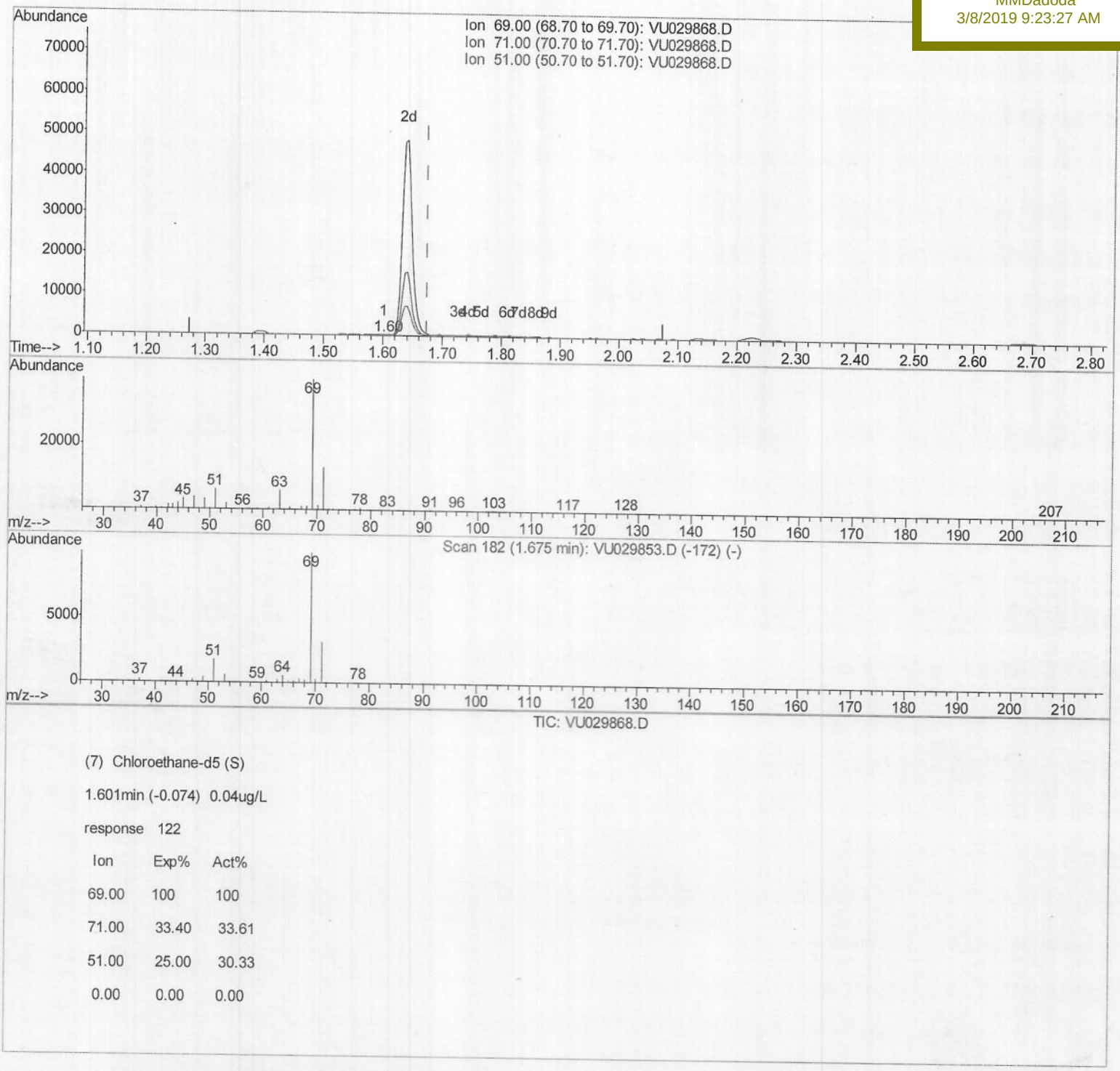
Quantitation Report (Qedit)

Data File : VU029868.D
Acq On : 07 Mar 2019 22:08
Operator : JC/SP
Sample : K1789-06ME
Misc : 5.83g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 08 04:36:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0P2ME

Manual Integrations APPROVED
MMDadoda
3/8/2019 9:23:27 AM



(7) Chloroethane-d5 (S)

1.601min (-0.074) 0.04ug/L

response 122

Ion	Exp%	Act%
69.00	100	100
71.00	33.40	33.61
51.00	25.00	30.33
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030919\

Quantitation Report (Qedit)

Data File : VU029868.D
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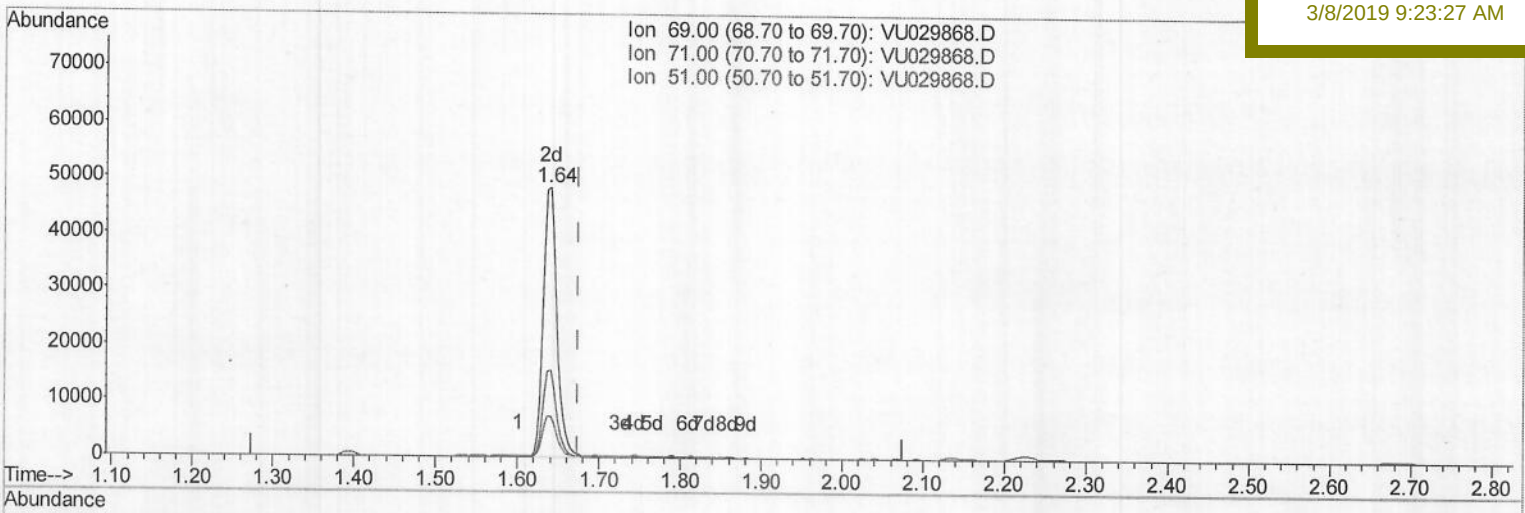
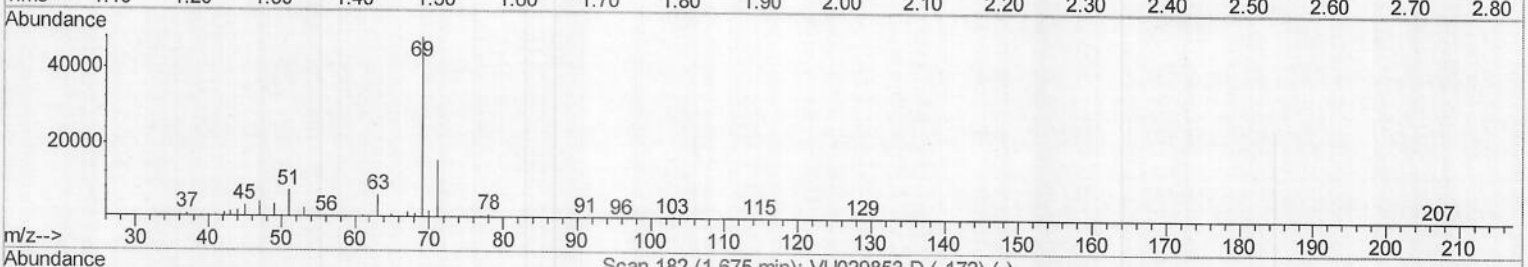
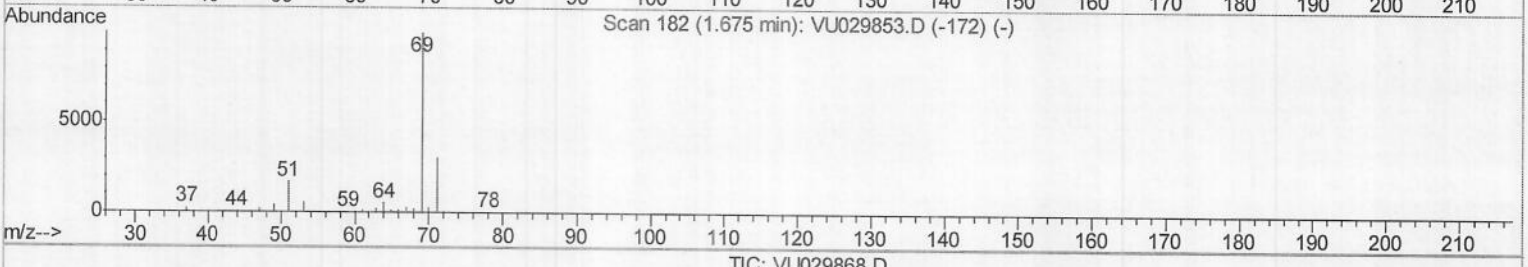
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BF0P2ME

Manual Integrations APPROVED
MMDadoda
3/8/2019 9:23:27 AM







TIC: VU029868.D

(7) Chloroethane-d5 (S)

1.640min (-0.035) 16.33ug/L m

response 54744

M.D 03/20/19

Ion	Exp%	Act%
69.00	100	100
71.00	33.40	0.07#
51.00	25.00	0.07#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030919\

Quantitation Report (QT Reviewed)

Data File : VU029868.D
Acq On : 07 Mar 2019 22:08
Operator : JC/SP
Sample : K1789-06ME
Misc : 5.83g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 08 07:06:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : BF0P2ME

Manual Integrations APPROVED
MMDadoda
3/8/2019 9:23:27 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	514556	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	510863	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	269055	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	118071	31.31	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 62.62%			
7) Chloroethane-d5	1.64	69	54744m	16.33	ug/L	-0.04
Spiked Amount 50.000	Range 70 - 130		Recovery = 32.66%#			
11) 1,1-Dichloroethene-d2	2.23	63	179613	24.37	ug/L	-0.04
Spiked Amount 50.000	Range 60 - 125		Recovery = 48.74%#			
21) 2-Butanone-d5	4.20	46	231075	100.71	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery = 100.71%			
24) Chloroform-d	4.64	84	245437	40.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 80.26%			
26) 1,2-Dichloroethane-d4	5.30	65	160342	41.41	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 82.82%			
32) Benzene-d6	5.33	84	532021	41.39	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 82.78%			
36) 1,2-Dichloropropane-d6	6.32	67	170496	44.08	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 88.16%			
41) Toluene-d8	7.56	98	493652	37.63	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 75.26%#			
43) trans-1,3-Dichloropropene-	7.85	79	74273	36.21	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 72.42%			
47) 2-Hexanone-d5	8.32	63	208144	96.64	ug/L	0.02
Spiked Amount 100.000	Range 45 - 130		Recovery = 96.64%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	293187	44.87	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 89.74%			
64) 1,2-Dichlorobenzene-d4	11.86	152	231309	39.89	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 79.78%#			
Target Compounds						Qvalue
46) Tetrachloroethene	8.22	164	203519	58.931	ug/L	99

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

m.D 03/20/19