Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\

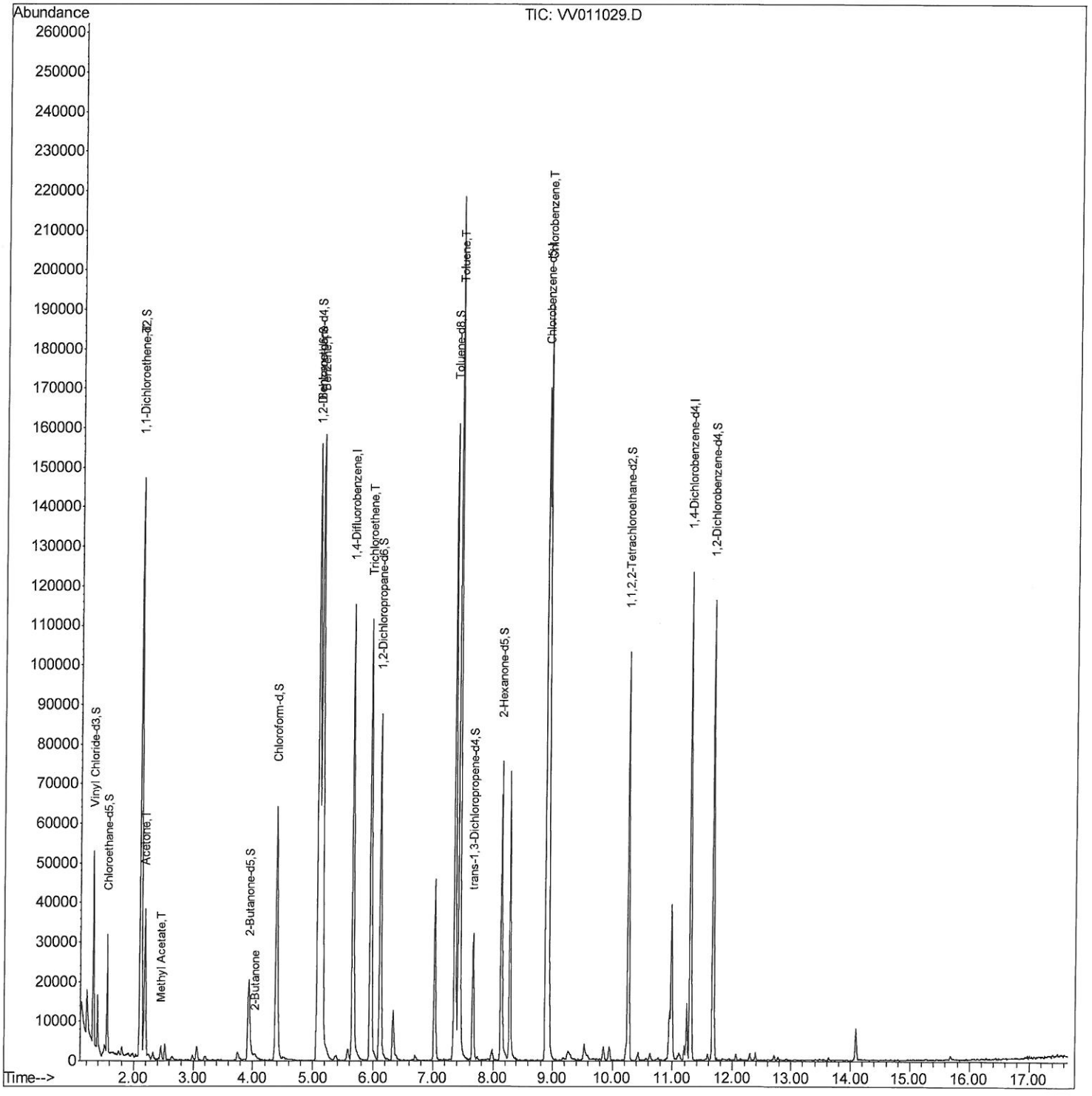
Quantitation Report (QT Reviewed)

Data File : VV011029.D
Acq On : 23 May 2019 16:10
Operator : SY/MD
Sample : K3016-11MS
Misc : 5.60G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 24 08:31:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 08:16:13 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
A51C9

Manual Integrations APPROVED
MMDadoda
5/28/2019 2:55:01 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\

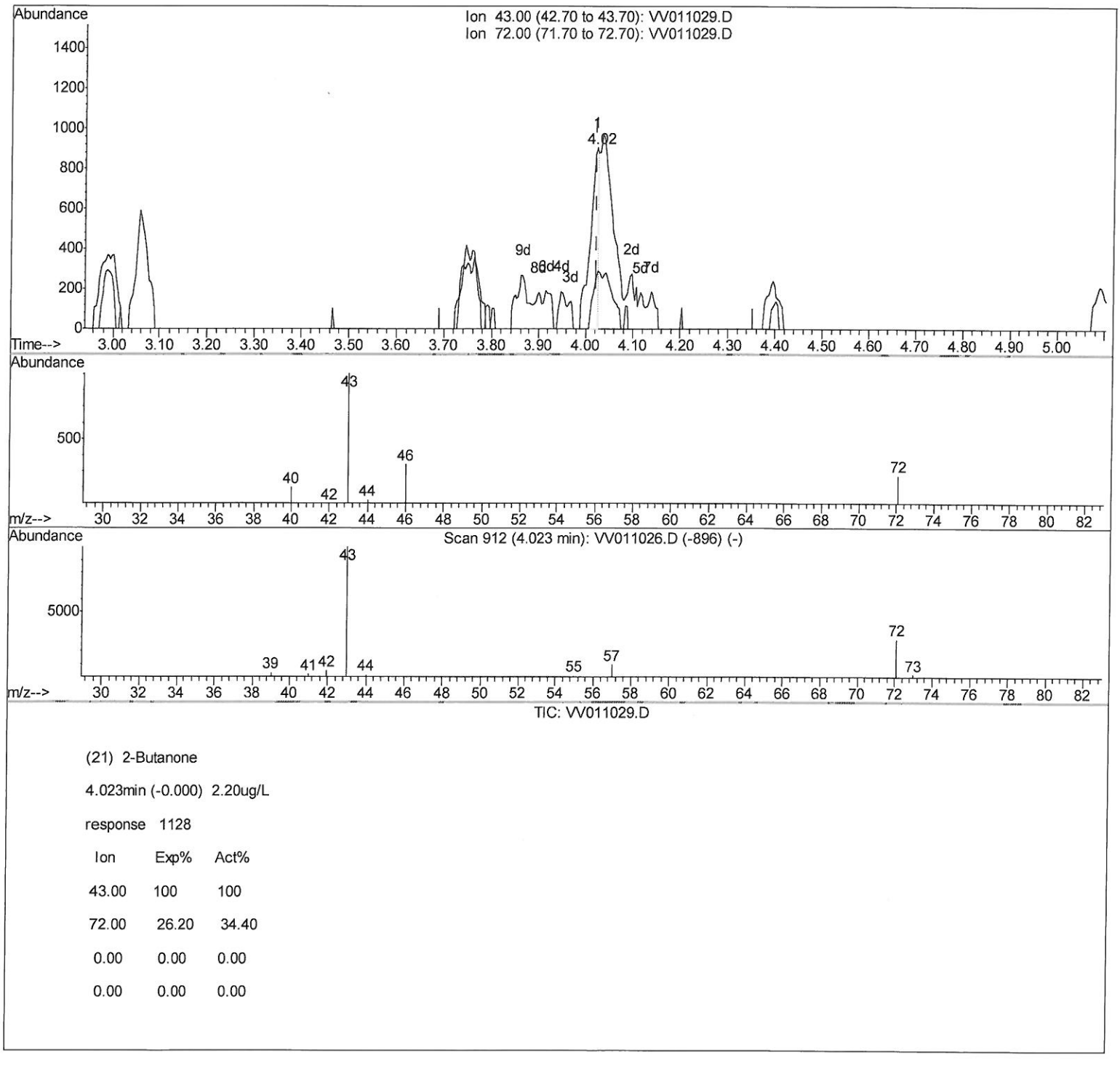
Quantitation Report (Qedit)

Data File : VV011029.D
Acq On : 23 May 2019 16:10
Operator : SY/MD
Sample : K3016-11MS
Misc : 5.60G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 24 08:19:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 08:16:13 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
A51C9

Manual Integrations APPROVED
MMDadoda
5/28/2019 2:55:01 AM



(21) 2-Butanone

4.023min (-0.000) 2.20ug/L

response 1128

Ion	Exp%	Act%
43.00	100	100
72.00	26.20	34.40
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\

Quantitation Report (Qedit)

Data File : VV011029.D
Acq On : 23 May 2019 16:10
Operator : SY/MD
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Misc : 5.60G/10ML/MSVOA_V/SOIL
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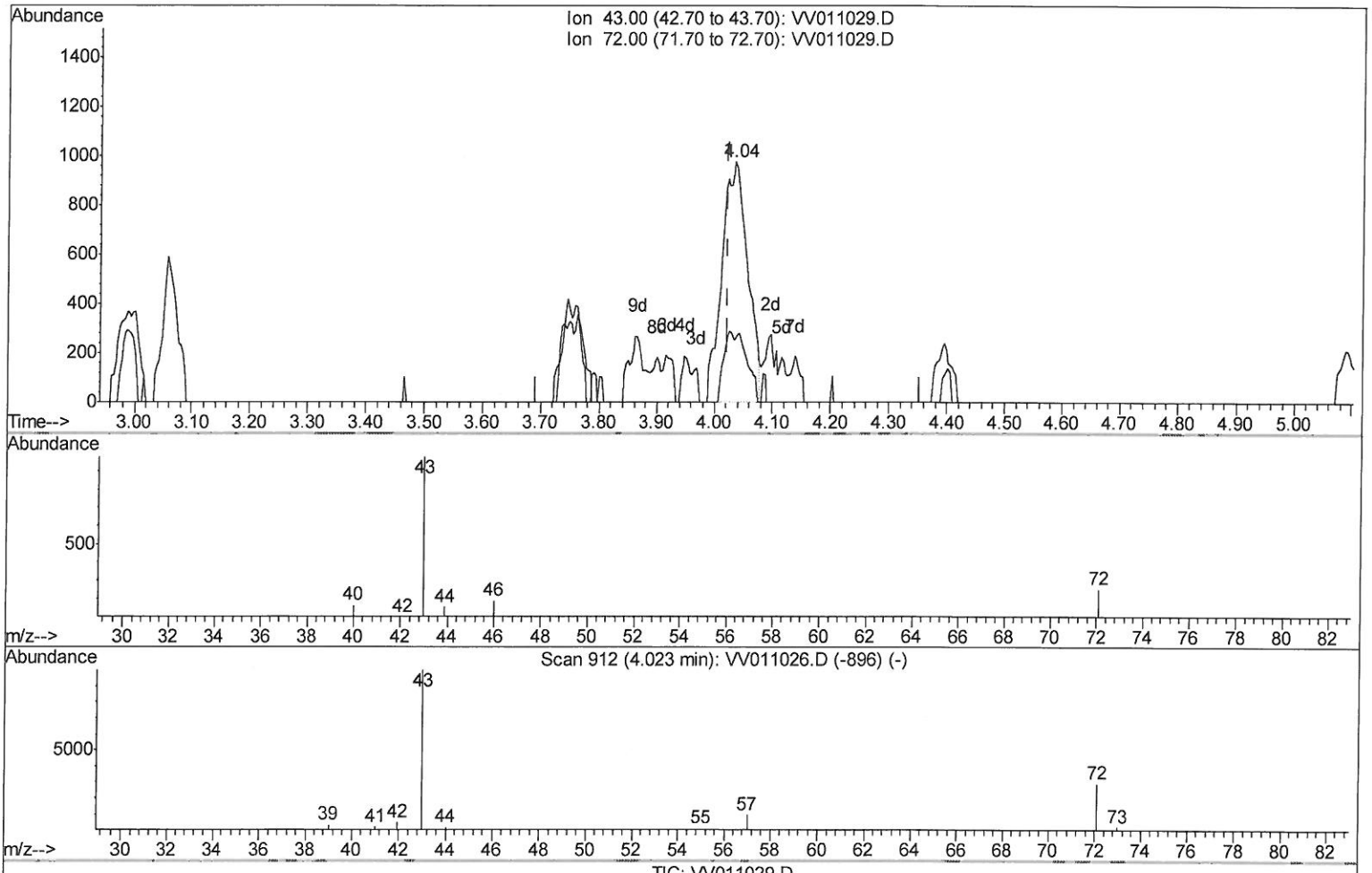
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 08:16:13 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
A51C9

Manual Integrations APPROVED
MMDadoda
5/28/2019 2:55:01 AM



TIC: VV011029.D

(21) 2-Butanone

4.035min (+0.013) 5.87ug/L m 05/28/19 SY

response 3008

Ion	Exp%	Act%
43.00	100	100
72.00	26.20	12.90#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV052319\

Quantitation Report (QT Reviewed)

Data File : VV011029.D
Acq On : 23 May 2019 16:10
Operator : SY/MD
Sample : K3016-11MS
Misc : 5.60G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 24 08:31:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 08:16:13 2019
Response via : Initial Calibration

Instrument : MSVOA_V
ClientSampleId : A51C9

Manual Integrations APPROVED
MMDadoda
5/28/2019 2:55:01 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	98747	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	92962	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	30950	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.31	65	26200	23.27	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.08%			
7) Chloroethane-d5	1.55	69	17553	23.03	ug/L	-0.01
Spiked Amount 25.000	Range 30 - 150		Recovery = 92.12%			
10) 1,1-Dichloroethene-d2	2.12	63	51887	23.97	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 95.88%			
20) 2-Butanone-d5	3.93	46	32819	84.49	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 168.98%#			
24) Chloroform-d	4.39	84	65725	25.69	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 102.76%			
26) 1,2-Dichloroethane-d4	5.07	65	41019	27.21	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 108.84%			
29) Benzene-d6	5.09	84	132705	26.15	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 104.60%			
33) 1,2-Dichloropropane-d6	6.11	67	45980	28.51	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 114.04%			
37) Toluene-d8	7.36	98	113115	23.98	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 95.92%			
38) trans-1,3-Dichloropropene-	7.66	79	18341	27.70	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 110.80%			
39) 2-Hexanone-d5	8.13	63	25824	85.86	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 171.72%#			
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50723	31.51	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 126.04%#			
61) 1,2-Dichlorobenzene-d4	11.67	152	29159	23.20	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 92.80%			

Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.13	96	27867	26.743	ug/L	96
13) Acetone	2.19	43	34935	93.260	ug/L	97
15) Methyl Acetate	2.46	43	3745	5.203	ug/L	98
21) 2-Butanone	4.04	43	3008m	5.868	ug/L	
34) Benzene	5.14	78	161827	30.198	ug/L	100
35) Trichloroethene	5.96	95	39396	26.607	ug/L	97
44) Toluene	7.43	91	166423	27.985	ug/L	100
52) Chlorobenzene	8.92	112	100704	24.705	ug/L	98

05/28/19 SY

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