GC/MS QA-QC Check Report

Tune File : D:\Data\Angie\VP1262\062817_samples_001.D
Tune Time : 28 Jun 2017 3:01 pm

Daily Calibration File : D:\Data\Angie\VP1262\062817_samples_001.D

| File | Sample | Surrogate Recovery % (BFB) | | | Internal Standard Responses | | |
|---|---|---|---|---|---|---|---|
| | | | | | 2078390 | 1549270 | 812143 |
| 062817_samples_001.D | Blank | 101 | 98 | 104 | 2078389 | 1549266 | 812143 |
| 062817_samples_002.D | Blank | 102 | 98 | 98 | 2024590 | 1516474 | 800223 |
| 062817_samples_003.D | 1:1 MeOH:H | 12* | 195* | 154* | 1554399 | 535200* | 89820* |
| 062817_samples_004.D | Blank | 102 | 97 | 101 | 1959429 | 1516785 | 829893 |
| 062817_samples_005.D | CCV-100ng | 100 | 98 | 100 | 1951335 | 1469193 | 776181 |
| 062817_samples_006.D | SCV-100ng | 101 | 100 | 97 | 1987565 | 1482208 | 799295 |
| 062817_samples_007.D | SCV-100 | 104 | 99 | 99 | 2008165 | 1515638 | 808760 |
| 062817_samples_008.D | Blank | 104 | 100 | 98 | 1987871 | 1501207 | 792610 |
| 062817_samples_009.D | NE39152 | 101 | 99 | 97 | 1960292 | 1483379 | 786371 |
| 062817_samples_010.D | NE39201 | 100 | 97 | 98 | 1966557 | 1475867 | 779686 |

(fails) - fails 12hr time check * - fails criteria

Created: Tue Jul 18 14:26:33 2017 Instrument 1

AMH VP1262 07/20/2017

Sequence Name: C:\msdchem\1\sequence\062817samples.s
Comment:
Operator: AH
Data Path: D:\DATA\ANGIE\VP1262\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
(X) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
( ) Barcode Disabled

---

| Line | | Sample Name/Misc Info |
|---|---|---|
| 1) Sample | 1 | Blank |
| Datafile | | 062817_samples_001 |
| Method | | VOA_JUNE2017 |
| 2) Sample | 2 | Blank |
| Datafile | | 062817_samples_002 |
| Method | | VOA_JUNE2017 |
| 3) Sample | 3 | 1:1 MeOH:H2O |
| Datafile | | 062817_samples_003 |
| Method | | VOA_JUNE2017 |
| 4) Sample | 4 | Blank |
| Datafile | | 062817_samples_004 |
| Method | | VOA_JUNE2017 |
| 5) Sample | 5 | ~~CCV-100ng~~ Blank dti 7/18/17 |
| Datafile | | 062817_samples_005 |
| Method | | VOA_JUNE2017 |
| 6) Sample | 6 | CCV-100ng |
| Datafile | | 062817_samples_006 |
| Method | | VOA_JUNE2017 |
| 7) Sample | 7 | SCV-100 |
| Datafile | | 062817_samples_007 |
| Method | | VOA_JUNE2017 |
| 8) Sample | 4 | Blank |
| Datafile | | 062817_samples_008 |
| Method | | VOA_JUNE2017 |
| 9) Sample | 8 | NE39152 |
| Datafile | | 062817_samples_009 |
| Method | | VOA_JUNE2017 |
| 10) Sample | 9 | NE39201 |
| Datafile | | 062817_samples_010 |
| Method | | VOA_JUNE2017 |
| 11) Sample | 10 | Blank |
| Datafile | | 062817_samples_011 |
| Method | | NIGHT_JIM |



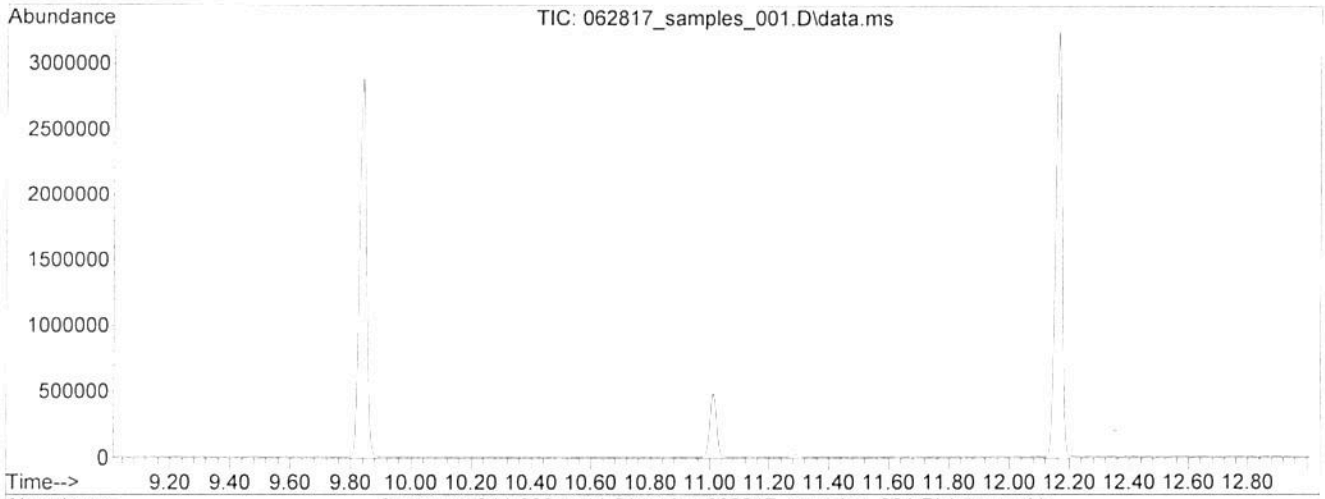
AMH VP1262 07/20/2017

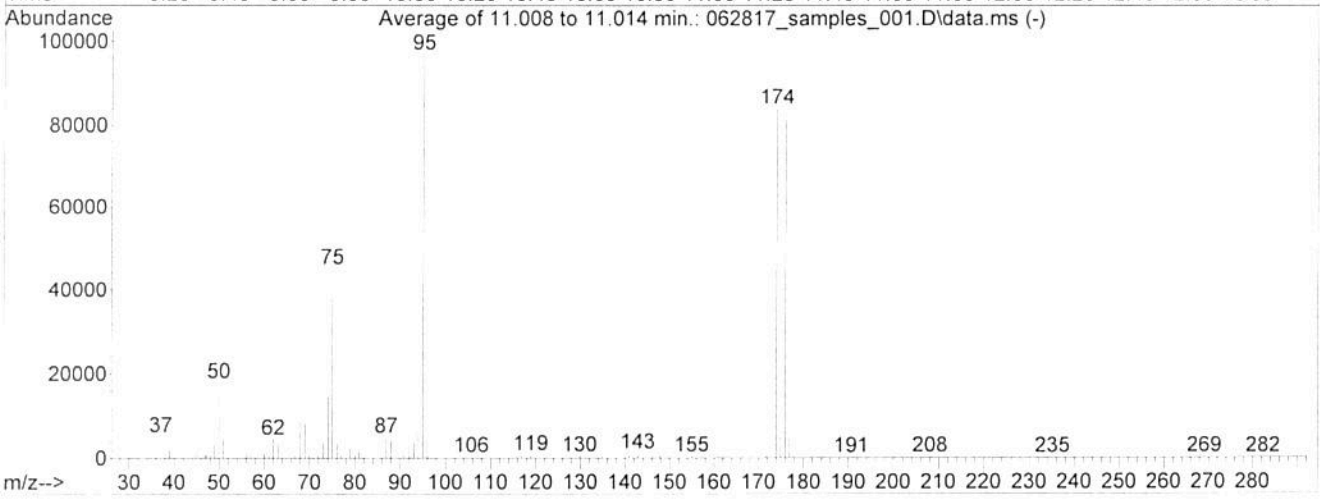
Method 8260 - BFB Tune Check

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_001.D
Acq On : 28 Jun 2017 3:01 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Title : VOLATILE ANALYSIS by P&T GC/MSD
Last Update : Thu Jun 22 13:44:54 2017




AutoFind: Scans 2618, 2619, 2620; Background Corrected with Scan 2605

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.2 | 17825 | PASS |
| 75 | 95 | 30 | 60 | 46.1 | 45051 | PASS |
| 95 | 95 | 100 | 100 | 100.0 | 97720 | PASS |
| 96 | 95 | 5 | 9 | 6.3 | 6144 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 100 | 85.8 | 83883 | PASS |
| 175 | 174 | 5 | 9 | 6.0 | 5063 | PASS |
| 176 | 174 | 95 | 101 | 97.0 | 81325 | PASS |
| 177 | 176 | 5 | 9 | 6.7 | 5463 | PASS |



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Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_001.D
Acq On : 28 Jun 2017 3:01 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 15:25:55 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| Internal Standards | | | | | |
| 1) Fluorobenzene | 6.70 | 96 | 2078389 | 250.00 ng | 0.02 |
| 22) Chlorobenzene-d5 | 9.84 | 117 | 1549266 | 250.00 ng | 0.02 |
| 39) 1,4-Dichlorobenzene-d4 | 12.16 | 152 | 812143 | 250.00 ng | 0.01 |
| System Monitoring Compounds | | | | | |
| 16) 1,2-Dichloroethane-d4 | 6.30 | 65 | 121326 | 50.60 ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 101.20% | | |
| 25) Toluene-d8 | 8.40 | 98 | 383637 | 48.93 ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 97.86% | | |
| 41) 4-Bromofluorobenzene | 11.01 | 174 | 133327 | 51.77 ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 103.54% | | |
| Target Compounds | | | | | Qvalue |
| 6) Methylene Chloride | 3.44 | 84 | 35635 | 15.47 ng | 86 |

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



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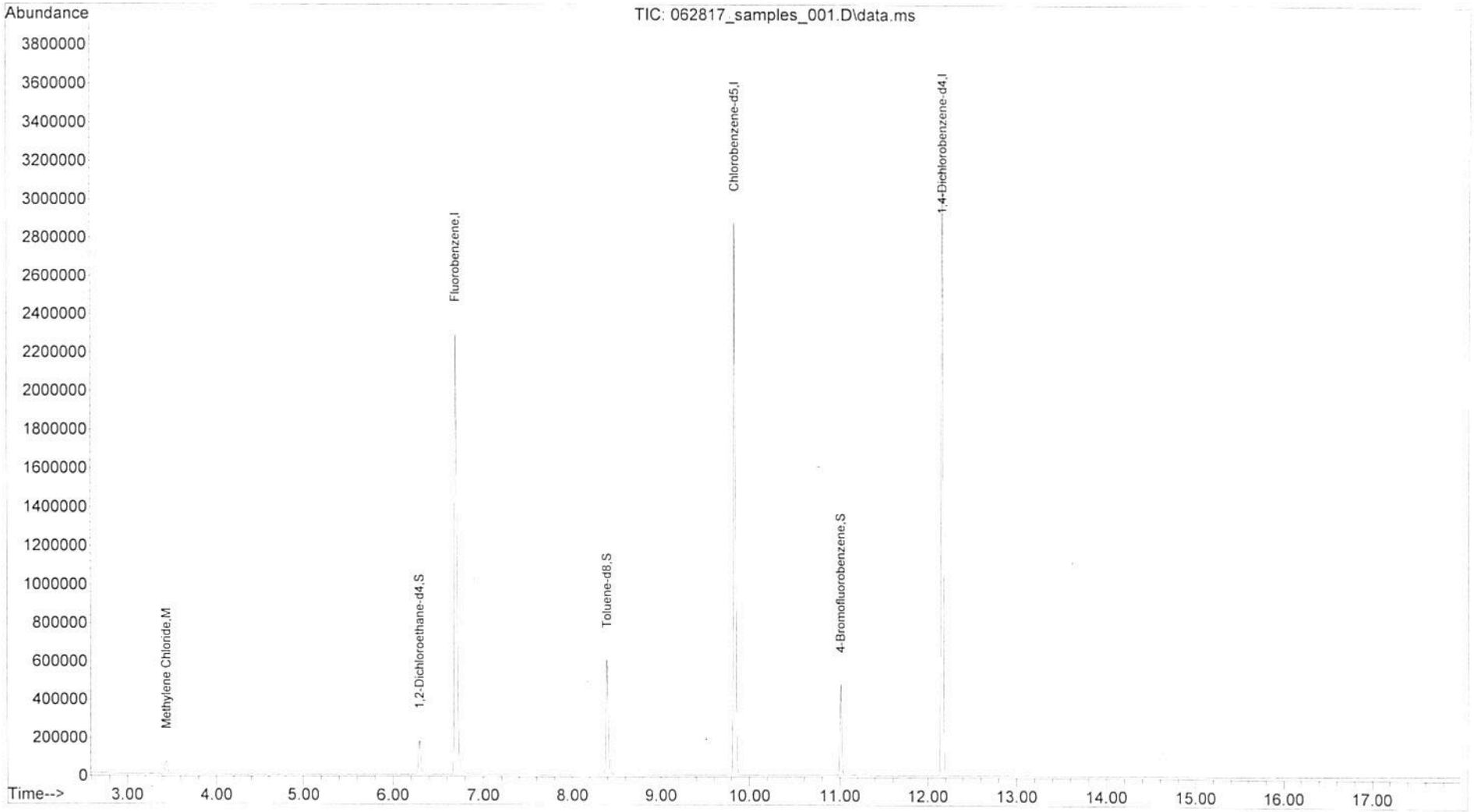
Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_001.D
Acq On : 28 Jun 2017 3:01 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 28 15:25:55 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration




AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_002.D
Acq On : 28 Jun 2017 3:26 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 18 14:04:23 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.70 | 96 | 2024590 | 250.00 | ng | 0.02 |
| 22) Chlorobenzene-d5 | 9.84 | 117 | 1516474 | 250.00 | ng | 0.02 |
| 39) 1,4-Dichlorobenzene-d4 | 12.16 | 152 | 800223 | 250.00 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 16) 1,2-Dichloroethane-d4 | 6.30 | 65 | 118683 | 50.82 | ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 101.64% | | | |
| 25) Toluene-d8 | 8.40 | 98 | 374573 | 48.80 | ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 97.60% | | | |
| 41) 4-Bromofluorobenzene | 11.01 | 174 | 124586 | 49.10 | ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 98.20% | | | |
| Target Compounds | | | | | | Qvalue |
| 6) Methylene Chloride | 3.44 | 84 | 11572 | 5.16 | ng | 82 |

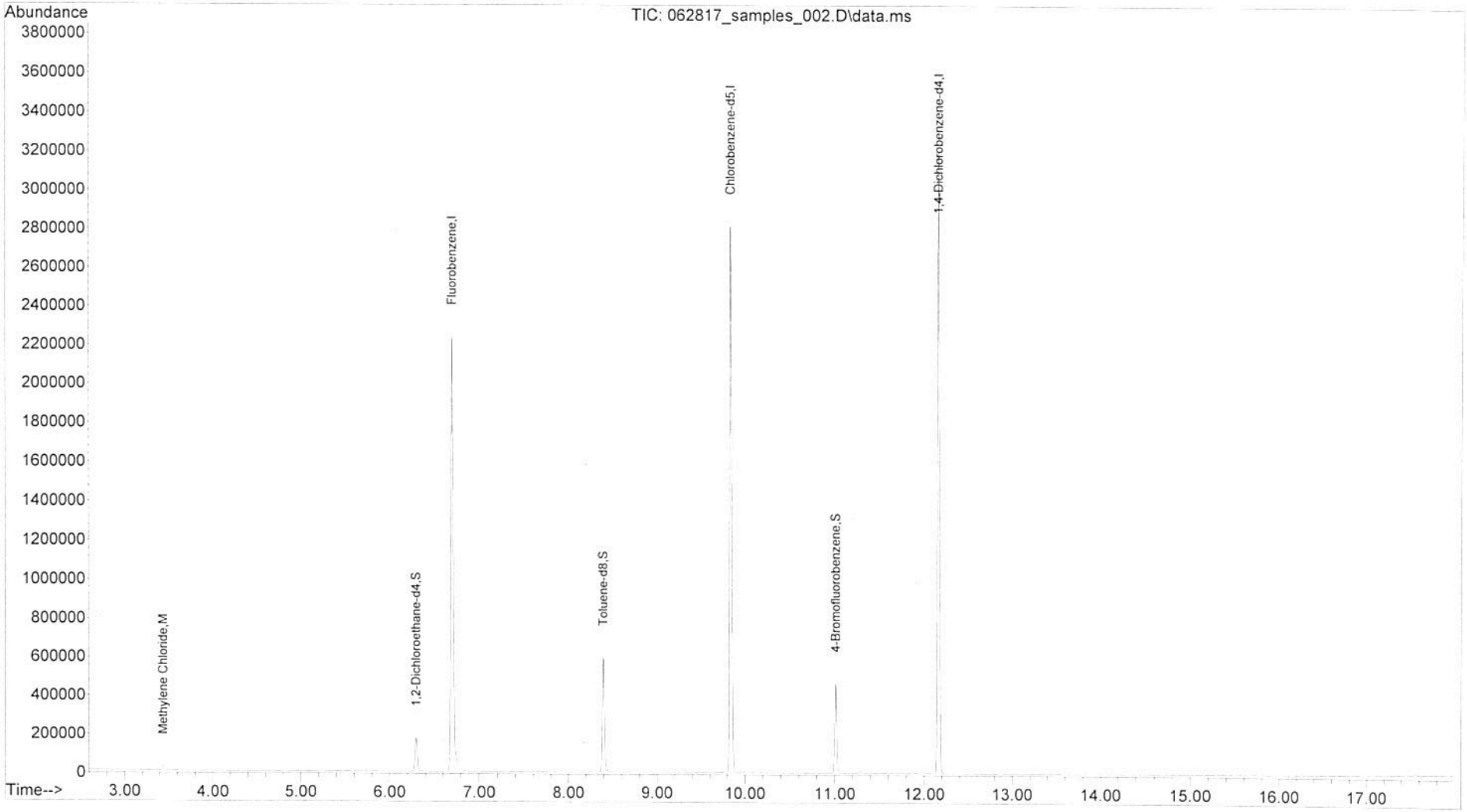
(#) = qualifier out of range (m) = manual integration (+) = signals summed



AMH VP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_002.D
Acq On : 28 Jun 2017 3:26 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 18 14:04:23 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration




AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_003.D
Acq On : 28 Jun 2017 3:51 pm
Operator : AH
Sample : 1:1 MeOH:H2O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 18 14:04:59 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) Fluorobenzene | 6.71 | 96 | 1554399 | 250.00 | ng | # | 0.02 |
| 22) Chlorobenzene-d5 | 9.86 | 117 | 535200 | 250.00 | ng | | 0.03 |
| 39) 1,4-Dichlorobenzene-d4 | 12.17 | 152 | 89820 | 250.00 | ng | | 0.02 |
| System Monitoring Compounds | | | | | | | |
| 16) 1,2-Dichloroethane-d4 | 6.32 | 65 | 11149 | 6.22 | ng | | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 12.44%# | | | | |
| 25) Toluene-d8 | 8.41 | 98 | 263700 | 97.35 | ng | | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 194.70%# | | | | |
| 41) 4-Bromofluorobenzene | 11.02 | 174 | 21913 | 76.94 | ng | | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 153.88%# | | | | |
| Target Compounds | | | | | | | Qvalue |
| 3) 1,1-Dichloroethene | 2.98 | 96 | 1213 | Below Cal | | # | 77 |
| 4) Acetone | 3.03 | 58 | 65553 | 259.50 | ng | | 93 |
| 11) 2-Butanone | 5.47 | 72 | 222230 | 936.45 | ng | | 98 |
| 13) Tetrahydrofuran | 5.78 | 42 | 7279 | 13.84 | ng | # | 48 |
| 17) Benzene | 6.36 | 78 | 59502 | 8.66 | ng | # | 67 |
| 19) Trichloroethene | 7.12 | 95 | 14731 | 8.23 | ng | # | 55 |
| 20) 1,2-Dichloropropane | 7.37 | 63 | 14432 | 8.16 | ng | # | 53 |
| 23) cis-1,3-Dichloropropene | 8.15 | 75 | 14767 | 11.18 | ng | # | 59 |
| 26) Toluene | 8.47 | 92 | 62757 | 32.98 | ng | | 96 |
| 27) trans-1,3-Dichloropropene | 8.72 | 75 | 16377 | 13.42 | ng | # | 1 |
| 28) 1,1,2-Trichloroethane | 8.90 | 83 | 6900 | 10.74 | ng | # | 84 |
| 29) Tetrachloroethene | 9.03 | 164 | 22029 | 36.44 | ng | | 97 |
| 31) Dibromochloromethane | 9.29 | 129 | 7400 | 9.30 | ng | # | 46 |
| 32) 1,2-Dibromoethane | 9.38 | 107 | 8882 | 11.73 | ng | # | 93 |
| 33) Chlorobenzene | 9.88 | 112 | 35653 | 16.21 | ng | # | 87 |
| 34) Ethylbenzene | 10.00 | 91 | 121784 | 33.35 | ng | | 99 |
| 35) m- &/or p-Xylene | 10.12 | 106 | 50636 | 36.98 | ng | | 95 |
| 36) o-Xylene | 10.51 | 106 | 71479 | 51.40 | ng | | 97 |
| 37) Styrene | 10.52 | 104 | 28034 | 14.34 | ng | # | 67 |
| 38) Bromoform | 10.70 | 173 | 2383 | 7.69 | ng | # | 36 |
| 40) Isopropylbenzene | 10.88 | 105 | 84325 | 77.53 | ng | | 99 |
| 42) 1,1,2,2-Tetrachloroethane | 11.16 | 83 | 1339 | 6.79 | ng | # | 24 |
| 43) n-Propylbenzene | 11.29 | 91 | 88010 | 67.59 | ng | | 99 |
| 44) 1,3,5-Trimethylbenzene | 11.47 | 105 | 50304 | 53.74 | ng | | 99 |
| 45) 1,2,4-Trimethylbenzene | 11.83 | 105 | 41790 | 44.30 | ng | | 95 |
| 46) Isobutylbenzene | 11.98 | 91 | 60558 | 65.68 | ng | | 96 |
| 47) 1,3-Dichlorobenzene | 12.10 | 146 | 12335 | 22.84 | ng | # | 90 |
| 48) 1,4-Dichlorobenzene | 12.19 | 146 | 10338 | 18.79 | ng | # | 91 |
| 49) 1,2-Dichlorobenzene | 12.56 | 146 | 6321 | 11.67 | ng | # | 72 |
| 51) 1,2,4-Trichlorobenzene | 14.17 | 180 | 2298 | 6.33 | ng | # | 83 |
| 52) Hexachlorobutadiene | 14.35 | 225 | 4204 | 27.31 | ng | # | 85 |
| 53) Naphthalene | 14.40 | 128 | 2555 | 5.58 | ng | # | 71 |
| 54) 1,2,3-Trichlorobenzene | 14.65 | 180 | 1091 | 5.07 | ng | # | 65 |

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

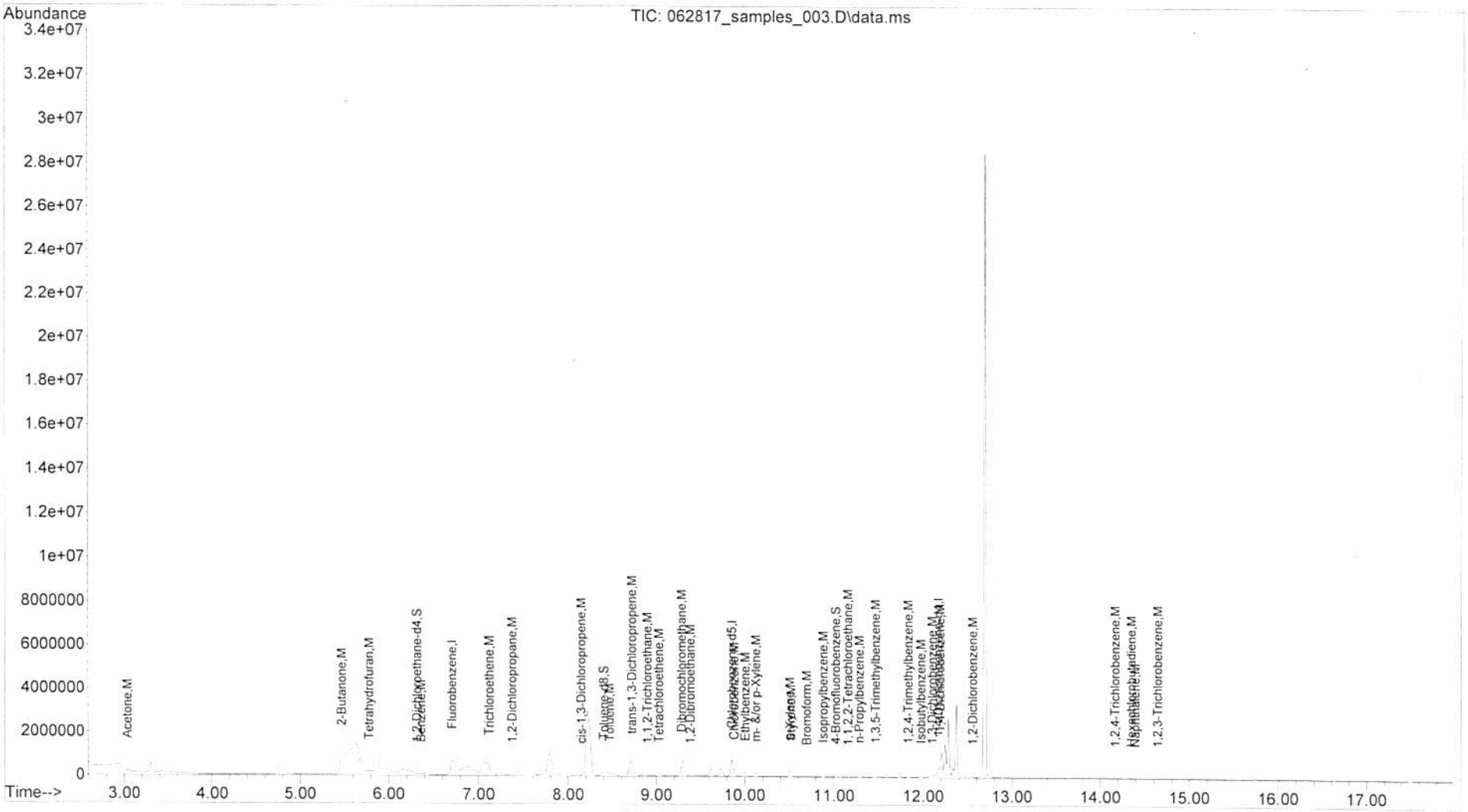


AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_003.D
Acq On : 28 Jun 2017 3:51 pm
Operator : AH
Sample : 1:1 MeOH:H2O
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 18 14:04:59 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration






AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_004.D
Acq On : 28 Jun 2017 4:17 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:05:24 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.70 | 96 | 1959429 | 250.00 | ng | 0.02 |
| 22) Chlorobenzene-d5 | 9.84 | 117 | 1516785 | 250.00 | ng | 0.02 |
| 39) 1,4-Dichlorobenzene-d4 | 12.16 | 152 | 829893 | 250.00 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 16) 1,2-Dichloroethane-d4 | 6.30 | 65 | 114744 | 50.76 | ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 101.52% | | | |
| 25) Toluene-d8 | 8.40 | 98 | 373297 | 48.63 | ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 97.26% | | | |
| 41) 4-Bromofluorobenzene | 11.01 | 174 | 133531 | 50.74 | ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 101.48% | | | |
| Target Compounds | | | | | | Qvalue |
| 4) Acetone | 2.92 | 58 | 7818 | 32.13 | ng | 87 |
| 6) Methylene Chloride | 3.44 | 84 | 21377 | 9.85 | ng | 86 |
| 11) 2-Butanone | 5.36 | 72 | 115473 | 388.75 | ng | 65 |

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

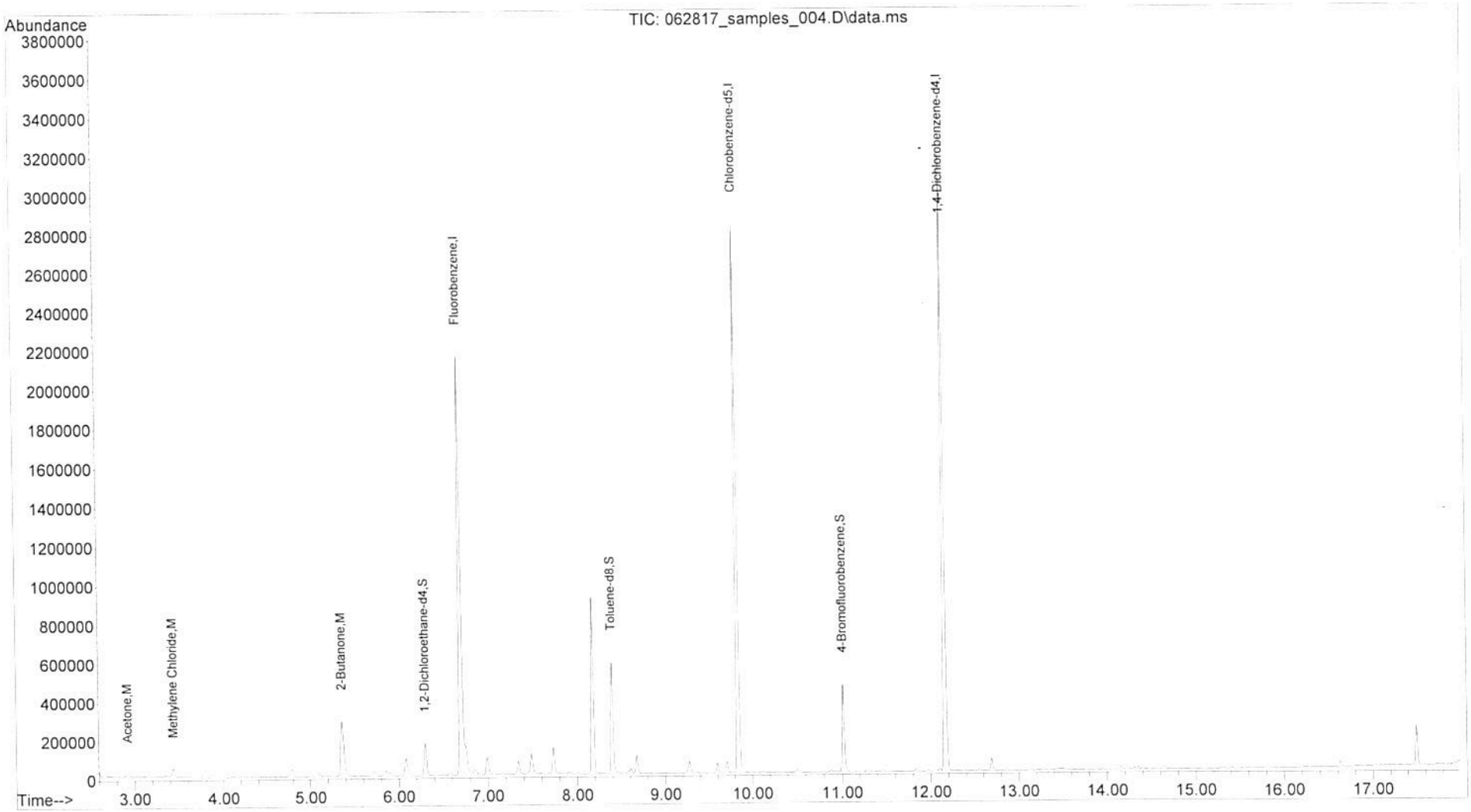


AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_004.D
Acq On : 28 Jun 2017 4:17 pm
Operator : AH
Sample : Blank
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 18 14:05:24 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration




AMH UP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_005.D
Acq On : 28 Jun 2017 4:41 pm
Operator : AH
Sample : ~~CCV-100ng~~ Blank dll 7/18/17
Misc : pheno
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 18 14:06:07 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.70 | 96 | 1951335 | 250.00 | ng | 0.02 |
| 22) Chlorobenzene-d5 | 9.84 | 117 | 1469193 | 250.00 | ng | 0.02 |
| 39) 1,4-Dichlorobenzene-d4 | 12.16 | 152 | 776181 | 250.00 | ng | 0.01 |
| System Monitoring Compounds | | | | | | |
| 16) 1,2-Dichloroethane-d4 | 6.30 | 65 | 112406 | 49.94 | ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 99.88% | | | |
| 25) Toluene-d8 | 8.40 | 98 | 365475 | 49.15 | ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 98.30% | | | |
| 41) 4-Bromofluorobenzene | 11.01 | 174 | 122591 | 49.81 | ng | 0.00 |
| Spiked Amount 50.000 | Range 70 - 130 | | Recovery = 99.62% | | | |

Target Compounds Qvalue

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

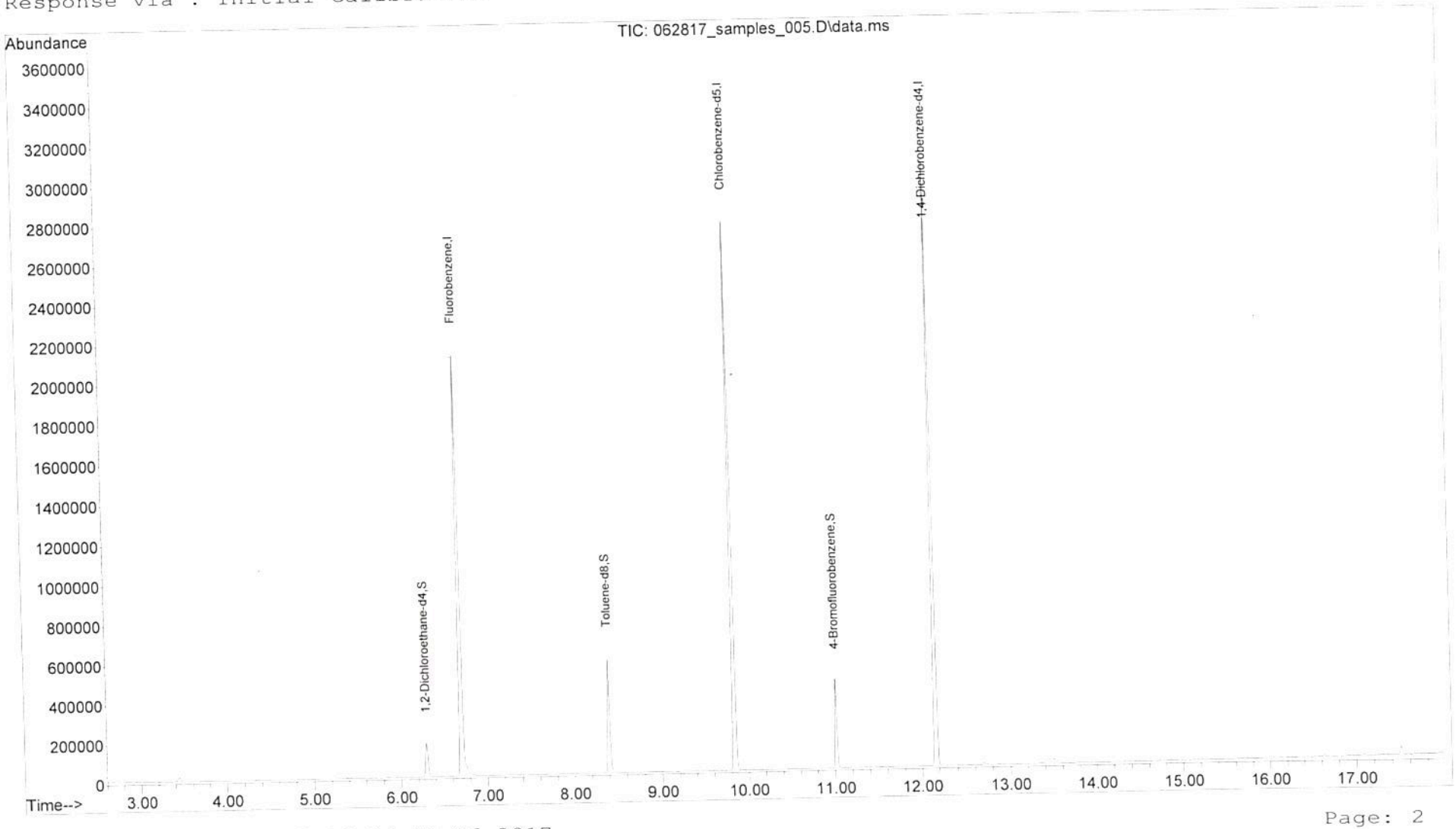


AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_005.D
Acq On : 28 Jun 2017 4:41 pm
Operator : AH
Sample : CCV-100ng
Misc : pheno
ALS Vial : 5 Sample Multiplier: 1

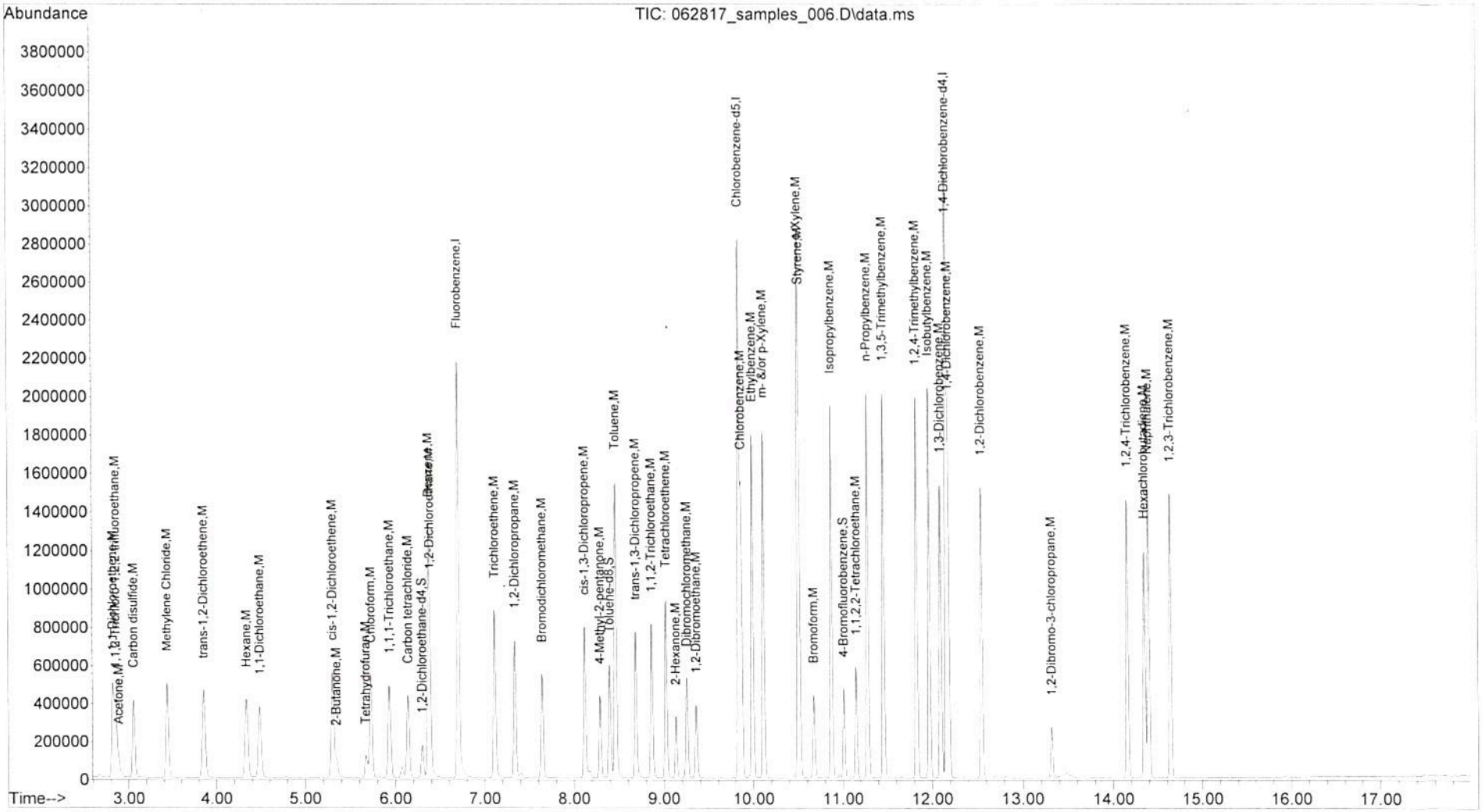
Quant Time: Jul 18 14:06:07 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration




GMH IDP1262 07/20/2017

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_006.D
Acq On : 28 Jun 2017 5:06 pm
Operator : AH
Sample : SCV-100ng
Misc : EE
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 18 14:07:44 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration

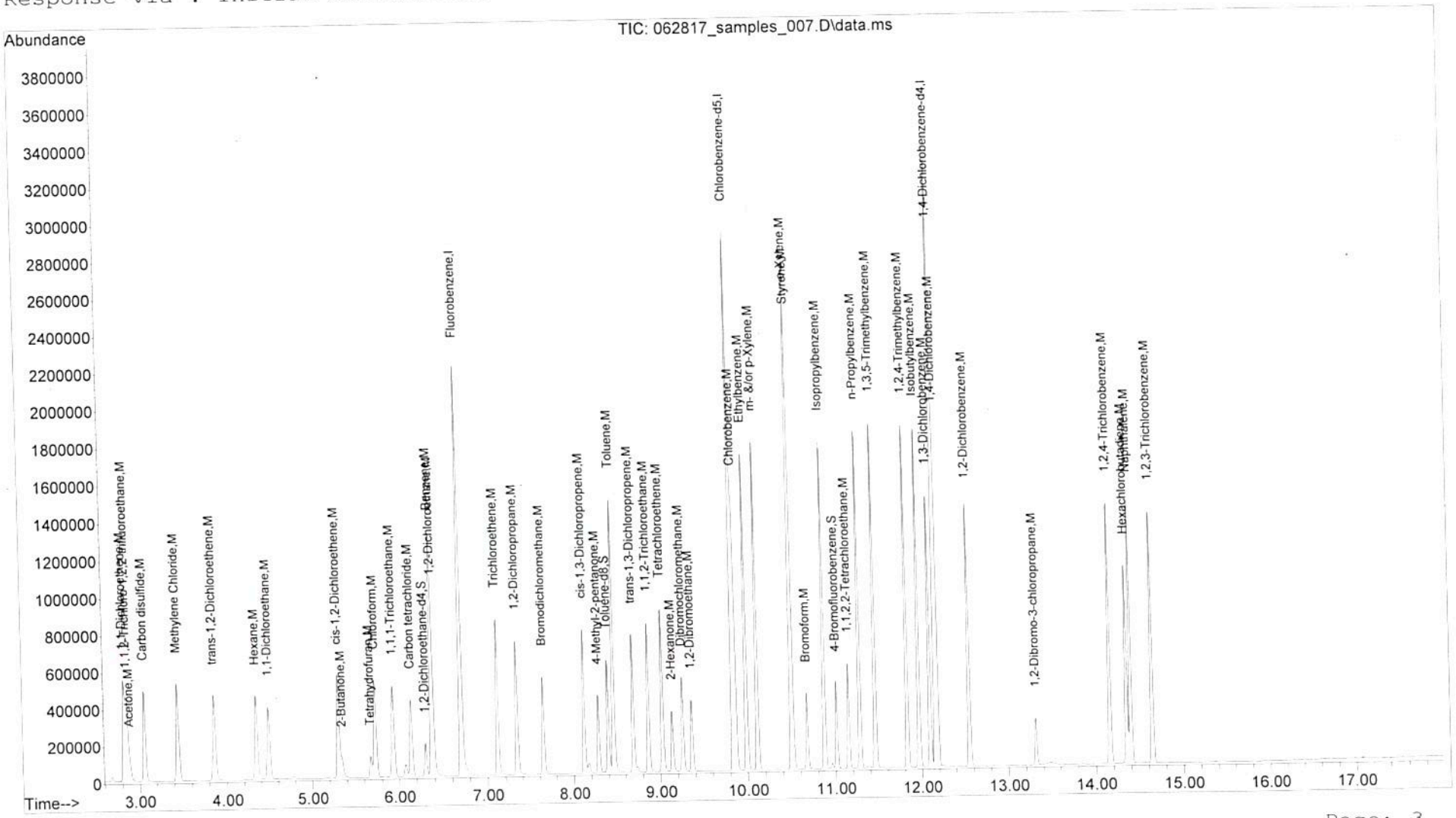



AMH VP1262 07/20/2017

Quantitation Report (QT Reviewed)

Data Path : D:\Data\Angie\VP1262\
Data File : 062817_samples_007.D
Acq On : 28 Jun 2017 5:31 pm
Operator : AH
Sample : SCV-100
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 18 14:08:45 2017
Quant Method : C:\MSDCHEM\1\METHODS\VOA_June2017.M
Quant Title : VOLATILE ANALYSIS by P&T GC/MSD
QLast Update : Thu Jun 22 13:44:54 2017
Response via : Initial Calibration






VOA_June2017.M Tue Jul 18 14:14:16 2017

AMH UP1262 07/20/2017