Title: 2B6-IAP030103 2BES ID#
Type: Supelco AT ID # 103769 IS: d8-toluene
Batch# 030312AA5 Init xlin
Date sampled 3-20-03
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____ ATD p-5
Comments: QC spiked 1ml 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 031203STD-3 POP ID# 1724
Type: Supelco AT ID # D014874 IS: d8-toluene gas
Batch# 030312R4 Init xlin
Date sampled 3-20-03
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____ ATD p-6
Comments: QC spiked 2ml 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title PKG QC ID# 1762
Type: Supelco AT ID # 721698 IS: ____
Batch# 030314A2 Init ____
Date sampled 20 MAR 2003
Start Time ____ End Time ____ Init Steven
Pump # 3 Volume ____
Comments: QC ATD p-20
Flows: ____ BP: ____ Temp: ____

Title POPPING 1 ID# 1771
Type: Supelco AT ID # 721692 IS: ____
Batch# 030314A1 Init ____
Date sampled 20 MAR 2003
Start Time ____ End Time ____ Init Ken
Pump # 3 Volume ____
Comments: ATD p-21
Flows: ____ BP: ____ Temp: ____

Title POPING 2 ID# 1772
Type: Supelco AT ID # 721694 IS: ____
Batch# 030314A2 Init ____
Date sampled 20 MAR 2003
Start Time ____ End Time ____ Init Steve
Pump # 4 Volume ____ ATD p-22
Comments: START TIME = 11:18:00 START + 1min
11:20:19 START PKG
Flows: ____ BP: ____ Temp: ____

Title ____ ID# 1768
Type: Supelco AT ID # 030314A5 IS: ____
Batch# 030312 Init ____
Date sampled 11/20/03
Start Time 11:21:47 End Time 11:23:47 Init Sam
Pump # 3 Volume ____ ATD p-23
Comments: 11:21:26 open pkg
Flows: ____ BP: ____ Temp: ____

Title 15 30 MIN ID# 1767
Type: Supelco AT ID # 030314A7 IS: ____
Batch# 721625 Init ____
Date sampled 20 MAR 2003
Start Time 11:30:00 End Time 11:36:00 Init Ken
Pump # 3 Volume ____ ATD p-24
Comments: End Time = 11:38:00
Flows: ____ BP: ____ Temp: ____

Title 30 60 MIN ID# 1770
Type: Supelco AT ID # 721614 IS: ____
Batch# 030314A6 Init ____
Date sampled 20 MAR 2003
Start Time 11:50:00 End Time 11:55:00 Init ____
Pump # 3 Volume ____
Comments: ATD p-25
Flows: ____ BP: ____ Temp: ____

20030321.S

Title DCC031203STD-3 ID# 1718
Type: Supelco AT ID # 103851 IS: d8-toluene gas
Batch# 030312A4 Init xlin
Date sampled 3-21-03
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____ ATD p-2
Comments: QC spiked 2ml 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title [illegible]
Type: Supelco AT ID # [illegible]
Batch#
Date sampled 3-21-03
Start Time 142325 End Time 142725 Init [illegible]
Pump # [illegible] 3 Volume
ATD p-20
Comments: 4 min
Flows: BP: Temp:

Title PORING ID# 1751
Type: Supelco AT ID # Y21640 IS:
Batch# Init
Date sampled 3-21-03
Start Time 143015 End Time [illegible] Init [illegible]
Pump # 3 Volume
Comments: end 14:32:15 ATD p-21
Flows: BP: Temp:

Title OPEN-1 5MIN ID# 1752
Type: Supelco AT ID # Y21607 IS:
Batch# Init
Date sampled 3-21-03
Start Time 143735 End Time 143735 Init
Pump # 3 Volume
ATD p-22
Comments: 2 min
Flows: BP: Temp:

Title OPEN 2 5MIN ID# 1753
Type: Supelco AT ID # Y21617 IS:
Batch# 3-21-03 Init
Date sampled
Start Time 143735 End Time 143745 Init
Pump # 4 Volume
ATD p-23
Comments: 2 min
Flows: BP: Temp:

Title 10MIN ID# 1756
Type: Supelco AT ID # Y21604 IS:
Batch# Init
Date sampled 3-21-03
Start Time 144024 End Time 144121 Init
Pump # 3 Volume 100 ml
ATD p-24
Comments:
Flows: BP: Temp:

Title 20MIN ID# 1761
Type: Supelco AT ID # Y21647 IS:
Batch# 030314.01 Init
Date sampled 3-21-03
Start Time 142000 End Time 145200 Init [illegible]
Pump # 3 Volume
Comments: 2 min ATD p-25
Flows: BP: Temp:

Title 30MIN ID# 1763
Type: Supelco AT ID # Y21611 IS:
Batch# 030143 3 Init
Date sampled 3-21-03
Start Time 150000 End Time 150400 Init [illegible]
Pump # 3 Volume 700 ml
Comments: 4-min ATD p-26
Flows: BP: Temp:

Title 40MIN ID# 1764
Type: Supelco AT ID # Y21258 IS:
Batch# 030314 4 4 Init
Date sampled 3-21-03
Start Time 150000 End Time 151600 Init
Pump # 3 Volume 700 ml
Comments: 6-min ATD p-27
Flows: BP: Temp:

Title ID# 1755
Type: Supelco AT ID # Y21608 IS:
Batch# 030313 97 Init
Date sampled
Start Time End Time Init
Pump # Volume
Comments: QC
Flows: BP: Temp:

BORE

2003 03 25. S

20031015S

it DCC 053003STD-3 ID# 2595
ype: Supelco AT ID # C03874 IS: d8-toluene
atch# 031007B1 Init
ate sampled 10-15-03
tart Time End Time Init
ump # Volume

omments: Spiked 2µL 10 mL/min. 2mins

lows: BP: Temp: ATD P-19

itle BC SynC14 PLChT23C-0.2 ID# 2810
ype: Supelco AT ID # D014812 IS:
atch# 031007B4 Init
ate sampled 031015
tart Time 10:44 End Time 10:46 Init
ump # P4 Volume CV 0.101L
ET 0.2 HR

omments: QC

lows: 51.24, 51.3, 50.8 BP: 998.4 Temp: 23.6 ATD P-20

itle BC SynC14 BT3B-Test ID# 2822
ype: Supelco AT ID # D041446 IS:
atch# 031007B4 Init
ate sampled 031015
tart Time End Time Init
ump # Volume

omments:

lows: BP: Temp: ATD P-21

e BC SynC14 PLChT23C-FB# ID# 2806
e: Supelco AT ID # C03132 IS:
ch# 031007AA6 Init
e sampled 031015
rt Time End Time Init
mp # Volume

mments: Field Blank #1 T23C

ws: BP: Temp: ATD P-39

tle BC SynC14 PLChT23C-BKGA ID# 2579
pe: Supelco AT ID # D015804 IS:
atch# 031002A3 Init
ate sampled 031015
tart Time 8:12 End Time 10:00 Init
ump # P1 Volume

omments:

lows: 164.5, 164.1, 164 BP: 998.4 Temp: 23.6 ATD P-40

Title BC SynC11 PLChT23C-BKGB ID# 2598
Type: Supelco AT ID # C016122 IS:
Batch# 031007B4 Init
Date sampled 031015
Start Time 8:12 End Time 10:00 Init
Pump # P2 Volume

Comments: ATD P-41

Flows: 170.6, 170.1, 170.7 BP: 998.4 Temp: 23.6

Title BC SynC11 PLChT23C-0.5 ID# 2801
Type: Supelco AT ID # D015512 IS:
Batch# 031007AA1 Init
Date sampled 031015
Start Time 11:02 End Time 11:04:20 Init
Pump # P4 Volume CV 0.114L
ET 0.5 HR

Comments: ATD P-42

Flows: 51.3, 51.5, 51.5 BP: 999.2 Temp: 23.5

Title BC SynC11 PLChT23C-0.75 ID# 2802
Type: Supelco AT ID # C013686 IS:
Batch# 031007AA2 Init
Date sampled 031015
Start Time 11:18 End Time 11:19 Init
Pump # P4 Volume CV 0.051L ET 0.75

Comments: ATD P-43

Flows: 51.3, 51.5, 51.5 BP: 999.7 Temp: 23.5

Title BC SynC11 PLChT23C-1 Hr. A ID# 2803
Type: Supelco AT ID # C016136 IS:
Batch# 031007AA3 Init
Date sampled 031015
Start Time 11:33 End Time 11:34 Init
Pump # P3 Volume CV 0.047L ET 1 HR

Comments: ATD P-44

Flows: 47.7, 47.9, 48 BP: 999.7 Temp: 23.2

Title BC SynC11 PLChT23C 1 HR B ID# 2805
Type: Supelco AT ID # D014618 IS:
Batch# 031007AA5 Init
Date sampled 031015
Start Time 11:33 End Time 11:34 Init
Pump # P4 Volume CV 0.051

Comments: ATD P-45

Flows: 51.5, 51.4, 51.2 BP: 999.7 Temp: 23.2

Cal-IAP-1C ID# 2946
: SupelcoAT ID # C013686 IS: d_8-toluene gas
n 03112B3 Init
sampled 11-13-03
Time End Time Init
p # Volume
ATD p- 25
ments: Spiked 2µL 10 mL/min. 2mins.
s: BP: Temp:

Cal-IAP-2A ID# 2948
: SupelcoAT ID # D014848 IS: d_8-toluene gas
n# 03112B5 Init
sampled 11-13-03
Time End Time Init
p # Volume
ATD p- 26
ments: Spiked 2µL 10 mL/min. 2mins.
s: BP: Temp:

Cal-IAP-2B ID# 2949
: SupelcoAT ID # C014000 IS: d_8-toluene gas
n# 03112B6 Init
sampled 11-13-03
Time End Time Init
p # Volume
ATD p- 27
ments: Spiked 2µL 10 mL/min. 2mins
s: BP: Temp:

e Cal-IAP-2C D018745 ID# 2894
pe: SupelcoAT ID # ~~D014973~~ IS: d_8-toluene gas
tch# ~~031021BB2~~ 03112A1 Init
te sampled 11-13-03
rt Time End Time Init
mp # Volume
ATD p- 28
mments: Spiked 2µL 10 mL/min. 2mins.
ws: BP: Temp:

e DCC 111203STD-4 ID# 2950
pe: SupelcoAT ID # C049147 IS: d_8-toluene gas
tch# 03112A2 Init
te sampled 11-13-03
rt Time End Time Init
mp # Volume
ATD p- 29
mments: Spiked 2µL 10 mL/min. 2mins
ws: BP: Temp:

Title Cal-111203STD-1A ID# 2951
Type: SupelcoAT ID # C045770 IS: d_8-toluene gas
Batch# 03112A3 Init
Date sampled 11-13-03
Start Time End Time Init
Pump # Volume
ATD p- 1
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

Title Cal-111203STD-1B ID# 2953
Type: SupelcoAT ID # C010868 IS: d_8-toluene gas
Batch# 03112A5 Init
Date sampled 11-13-03
Start Time End Time Init
Pump # Volume
ATD p- 2
Comments: Spiked 2µL 10 mL/min 2mins.
Flows: BP: Temp:

popcorn project

20031209.S

Title Telomer STD 6:2 100ng/µl ID# 2482
Type: Supelco AT ID # D017619 IS: d_8-toluene gas
Batch# 031208A1 Init
Date sampled 12-9-03
Start Time End Time Init xlin
Pump # Volume
ATD #1
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Telomer STD 8:2 100ng/ul ID# 2484
Type: Supelco AT ID # D016171 IS: d_8-toluene gas
Batch# 031208A2 Init
Date sampled 12-9-03
Start Time End Time Init xlin
Pump # Volume
ATD p-2
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Type: Supelco AT ID # D017401 IS: d8-toluene gas
Batch# 03120881 Init
Date sampled 12-9-03
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
Comments: spiked 2ul 10ml/min 2mins ATD p-3
Flows: ____ BP: ____ Temp: ____

Title Telomer STD 8:2 100ng/ul ID# 2486
Type: Supelco AT ID # D015327 IS: d8-toluene gas
Batch# 03120843 Init
Date sampled 12-9-03
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
Comments: spiked 2ul 10ml/min 2mins ATD p-21
Flows: ____ BP: ____ Temp: ____

Popcorn Project
20031210.S

Title Cal-1208035TDA-1A ID# 2488
Type: Supelco AT ID # D017663 IS: d8-toluene gas
Batch# 03120844 Init
Date sampled 12-10-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
Comments: Spiked 2µL 10 mL/min. 2mins. ATD#2
Flows: ____ BP: ____ Temp: ____

Title Cal-1208035TDA-1B ID# 2483
Type: Supelco AT ID # D015432 IS: d8-toluene gas
Batch# 03120845 Init
Date sampled 12-10-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
Comments: Spiked 2µL 10 mL/min. 2mins ATD p-3
Flows: ____ BP: ____ Temp: ____

Title Cal-1208035TDA-1C ID# 2485
Type: Supelco AT ID # D018559 IS: d8-toluene gas
Batch# 03120846 Init
Date sampled 12-10-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
Comments: Spiked 2µL 10 mL/min. ATD p-4
Flows: ____ BP: ____ Temp: ____

Title Cal-1208035TDA-2A ID# 2489
Type: Supelco AT ID # D015849 IS: d8-toluene gas
Batch# 03120802 Init
Date sampled 12-10-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
Comments: Spiked 2µL 10 mL/min. 2mins. ATD p-5
Flows: ____ BP: ____ Temp: ____

Title Cal-1208035TDA-2B ID# 2490
Type: Supelco AT ID # D017666 IS: d8-toluene gas
Batch# 03120803 Init
Date sampled 12-10-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
Comments: Spiked 2µL 10 mL/min. 2mins. ATD p-6
Flows: ____ BP: ____ Temp: ____

Title Cal-1208035TDA-2C ID# 2492
Type: Supelco AT ID # D016034 IS: d8-toluene gas
Batch# 03120804 Init
Date sampled 12-10-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
Comments: Spiked 2µL 10 mL/min. 2mins. ATD p-7
Flows: ____ BP: ____ Temp: ____

Title Cal-1208035TDA-3A ID# 2494
Type: Supelco AT ID # D014296 IS: d8-toluene gas
Batch# 03120805 Init
Date sampled 12-10-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
Comments: Spiked 2µL 10 mL/min. 2mins. ATD p-8
Flows: ____ BP: ____ Temp: ____

Title Cal-1208035TDA-3B ID# 2496
Type: Supelco AT ID # D017498 IS: d8-toluene gas
Batch# 03120806 Init
Date sampled 12-10-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
Comments: Spiked 2µL 10 mL/min. 2mins. ATD p-9
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDA-3C ID# 2457
Type: Supelco AT ID # D017435 IS: d8-toluene gas
Batch# ~~030903A1~~ 031209A1 Init ~~xlin~~ DD
Date sampled 12-10-03
Start Time ____ End Time ____ Init DD
Pump # ____ Volume ____ ATD P10
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDA-4A ID# 2459
Type: Supelco AT ID # D016004 IS: d8-toluene gas
Batch# ~~030903A2~~ 031209A2 Init ~~xlin~~ DD
Date sampled 12-10-03
Start Time ____ End Time ____ Init DD
Pump # ____ Volume ____ ATD P11
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDA-4B ID# 2460
Type: Supelco AT ID # D015557 IS: d8-toluene gas
Batch# ~~030903A3~~ 031209A3 Init ~~xlin~~ DD
Date sampled 12-10-03
Start Time ____ End Time ____ Init DD
Pump # ____ Volume ____
Comments: Spiked 2µL 10 mL/min. 2mins. ATD P12
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDA-4C ID# 2462
Type: Supelco AT ID # ~~D016474~~ IS: d8-toluene gas
Batch# ~~030903A4~~ D018414 Init ~~xlin~~ DD
Date sampled 031209A4 12-10-03
Start Time ____ End Time ____ Init DD
Pump # ____ Volume ____ ATD P13
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDA-5A ID# 2463
Type: Supelco AT ID # D015373 IS: d8-toluene gas
Batch# ~~030903A6~~ 031209A5 Init ~~xlin~~ DD
Date sampled 12-10-03
Start Time ____ End Time ____ Init DD
Pump # ____ Volume ____ ATD P14
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Type: Supelco AT ID # D015781 IS: d8-toluene gas
Batch# ~~030903B2~~ 031209A6 Init ~~xlin~~ DD
Date sampled 12-10-03
Start Time ____ End Time ____ Init DD
Pump # ____ Volume ____ ATD P15
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDA-5C ID# 2466
Type: Supelco AT ID # D016511 IS: d8-toluene gas
Batch# ~~030903B3~~ 031209B1 Init ~~xlin~~ DD
Date sampled 12-10-03
Start Time ____ End Time ____ Init DD
Pump # ____ Volume ____ ATD P16
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-1A ID# 2467
Type: Supelco AT ID # ~~D014649~~ IS: d8-toluene gas
Batch# ~~030903B4~~ D014674 031209B2 Init ~~xlin~~ DD
Date sampled 12-10-03
Start Time ____ End Time ____ Init DD
Pump # ____ Volume ____ ATD P24
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-1B ID# 2468
Type: Supelco AT ID # D016505 IS: d8-toluene gas
Batch# ~~030903B5~~ 031209B3 Init ~~xlin~~ DD
Date sampled 12-10-03
Start Time ____ End Time ____ Init DD
Pump # ____ Volume ____ ATD P25
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-1C ID# 2470
Type: Supelco AT ID # D015768 IS: d8-toluene gas
Batch# ~~030916A1~~ 031209B4 Init ~~xlin~~ DD
Date sampled 12-10-03
Start Time ____ End Time ____ Init DD
Pump # ____ Volume ____ ATD P26
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-2A ID# 2477
Type: Supelco AT ID # D017606 IS: d8-toluene gas
Batch# 030916A2 ~~030925A6~~ 031209B5 Init ~~XLiu~~ SD
Date sampled 12-10-03
Start Time ____ End Time ____ Init SD
Pump # ____ Volume ____ ATD P27
Comments: ~~Spl~~ Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-2B ID# 2477
Type: Supelco AT ID # D015739 IS: d8-toluene gas
Batch# ~~030916B4~~ ~~030925B4~~ 031209B6 Init ~~XLiu~~ SD
Date sampled 12-10-03
Start Time ____ End Time ____ Init SD
Pump # ____ Volume ____ ATD P28
Comments: ~~Spl~~ Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-2C ID# 2481
Type: Supelco AT ID # D017789 IS: d8-toluene gas
~~Batch# 030916B1 030925B1~~ Init XLiu
Date sampled 12-10-03
Start Time ____ End Time ____ Init SD
Pump # ____ Volume ____ ATD P29
Comments: ~~Spl~~ Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____
031209AA1

Title Cal-120803STDB-3A ID# 2478
Type: Supelco AT ID # D016058 IS: d8-toluene gas
Batch# 030916B3 ~~030925B3~~ Init XLiu
Date sampled 12-10-03
Start Time ____ End Time ____ Init SD
Pump # ____ Volume ____ ATD P30
Comments: ~~Spl~~ Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____
031209AA2

Title Cal-120803STDB-3B ID# 2479
Type: Supelco AT ID # ~~D~~ C01010 IS: d8-toluene gas
Batch# ~~030916B7~~ ~~030925B3~~ Init XLiu
Date sampled 12-10-03
Start Time ____ End Time ____ Init SD
Pump # ____ Volume ____ ATD P31
Comments: ~~Spl~~ Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____
031209AA3

Title ~~Cal-120803STDB-3C~~ ID# 2480
Type: Supelco AT ID # D017565 IS: d8-toluene gas
Batch# 030916B5 ~~030925B2~~ Init XLiu
Date sampled 12-10-03
Start Time ____ End Time ____ Init SD
Pump # ____ Volume ____ ATD P32
Comments: ~~Spl~~ Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____
031209AA4

Title Cal-120803STDB-4A ID# 2498
Type: Supelco AT ID # D017551 IS: d8-toluene gas
Batch# 031209AA5 Init xLiu
Date sampled 12-10-03
Start Time ____ End Time ____ Init SD
Pump # ____ Volume ____ ATD P33
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-4B ID# 2491
Type: Supelco AT ID # D015074 IS: d8-toluene gas
Batch# 031209AA6 Init xLiu
Date sampled 12-10-03
Start Time ____ End Time ____ Init SD
Pump # ____ Volume ____ ATD P34
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-4C ID# 2493
Type: Supelco AT ID # D017401 IS: d8-toluene gas
Batch# 031209BB1 Init xLiu
Date sampled 12-10-03
Start Time ____ End Time ____ Init SD
Pump # ____ Volume ____ ATD P35
Comments: Spiked 2µL 10 mL/min. 2mins
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-5A ID# 2495
Type: Supelco AT ID # D016171 IS: d8-toluene gas
Batch# 031209BB2 Init xLiu
Date sampled 12-10-03
Start Time ____ End Time ____ Init SD
Pump # ____ Volume ____ ATD P36
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title [illegible]
Type: Supelco AT ID # D017619 IS: d8-toluene gas
Batch# 031209BB3 Init xlin
Date sampled 12-10-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATP P37
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-5C ID# 2499
Type: Supelco AT ID # D015323 IS: d8-toluene gas
Batch# 031209BB4 Init xlin
Date sampled 12-10-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATP P38
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-121103STD-1A ID# 2600
Type: Supelco AT ID # D017498 IS: d8-toluene gas
Batch# 031211A1 Init
Date sampled 12-11-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATP P6
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-121103STD-1B ID# 2601
Type: Supelco AT ID # D016034 IS: d8-toluene gas
Batch# 031211A2 Init
Date sampled 12-11-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATP P7
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-121103STD-1C ID# 2602
Type: Supelco AT ID # D017666 IS: d8-toluene gas
Batch# 031211A3 Init
Date sampled 12-11-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATP P8
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-121103STD-2A ID# 2603
Type: Supelco AT ID # D016034 IS: d8-toluene gas
Batch# 031211A4 Init
Date sampled 12-11-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATP P9
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-121103STD-2B ID# 2604
Type: Supelco AT ID # D015557 IS: d8-toluene gas
Batch# 031211A5 Init
Date sampled 12-11-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATP P10
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-121103STD-2C ID# 2605
Type: Supelco AT ID # D018539 IS: d8-toluene gas
Batch# 031211A6 Init
Date sampled 12-11-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATP P11
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-121103STD-3A ID# 2606
Type: Supelco AT ID # D017435 IS: d8-toluene gas
Batch# 031211B1 Init
Date sampled 12-11-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATP P12
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-121103STD-3B ID# 2607
Type: Supelco AT ID # D015432 IS: d8-toluene gas
Batch# 031211B2 Init
Date sampled 12-11-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATP P13
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-121103STD-3C ID# 2608
Type: Supelco AT ID # D017662 IS: d8-toluene gas
Batch# 03121183 Init
Date sampled 12-11-03
Start Time End Time Init
Pump # Volume ATD p-4
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

Title Cal-121103STD-4A ID# 2609
Type: Supelco AT ID # D014296 IS: d8-toluene gas
Batch# 03121184 Init
Date sampled 12-11-03
Start Time End Time Init
Pump # Volume ATD p-5
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

Title Cal-121103STD-4B ID# 2610
Type: Supelco AT ID # D015849 IS: d8-toluene gas
Batch# 03121185 Init
Date sampled 12-11-03
Start Time End Time Init
Pump # Volume ATD p-6
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

Title Cal-121103STD-4C ID# 2611
Type: Supelco AT ID # D015414 IS: d8-toluene gas
Batch# 03121186 Init
Date sampled 12-11-03
Start Time End Time Init
Pump # Volume ATD p-7
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

Title Cal-121103STD-5A ID# 2612
Type: Supelco AT ID # D015781 IS: d8-toluene gas
Batch# 0312 11AA1 Init xlin
Date sampled 12-11-03
Start Time End Time Init
Pump # Volume ATD p-8
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

Title Cal-121103STD-5B ID# 2613
Type: Supelco AT ID # D015373 IS: d8-toluene gas
Batch# 0312 11AA2 Init xlin
Date sampled 12-11-03
Start Time End Time Init
Pump # Volume ATD p-9
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

Title Cal-121103STD-5C ID# 2614
Type: Supelco AT ID # D016511 IS: d8-toluene gas
Batch# 0312 11AA3 Init xlin
Date sampled 12-11-03
Start Time End Time Init
Pump # Volume ATD p-10
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

2003121.S

Title Cal-121103STD-1B ID# 2626
Type: Supelco AT ID # D016004 IS: d8-toluene gas
Batch# 03121286 Init XLIU
Date sampled 12-12-03
Start Time End Time Init
Pump # Volume ATD p-2
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

Title Cal-121103STD-2B ID# 2625
Type: Supelco AT ID # D015432 IS: d8-toluene gas
Batch# 03121285 Init XLIU
Date sampled 12-12-03
Start Time End Time Init
Pump # Volume ATD p-3
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

Title Cal-121103STD-5B ID# 2624
Type: Supelco AT ID # D014296 IS: d8-toluene gas
Batch# 03121284 Init XLIU
Date sampled 12-12-03
End Time Init
Pump # Volume ATD p-4
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: BP: Temp:

e Cal-120803STDB-1NA ID# 2619
pe: Supelco AT ID # D017435 IS: d8-toluene gas
tch# 031212A5 Init XLiu
te sampled 12-12-03
rt Time ____ End Time ____ Init
mp # ____ Volume ____ ATD P5
mments: spiked 2µL 10 mL/min. 2mins
ws: ____ BP: ____ Temp: ____

tle Cal-120803STDB-1NB ID# 2618
pe: Supelco AT ID # D015849 IS: d8-toluene gas
atch# 031212A4 Init XLiu
ate sampled 12-12-03
art Time ____ End Time ____ Init
ump # ____ Volume ____ ATD P6
omments: spiked 2µL 10 mL/min. 2mins.
ows: ____ BP: ____ Temp: ____

tle Cal-120803STDB-1NC ID# 2617
pe: Supelco AT ID # D015781 IS: d8-toluene gas
atch# 031212A3 Init XLiu
ate sampled 12-12-03
tart Time ____ End Time ____ Init
ump # ____ Volume ____ ATD P7
omments: spiked 2µL 10 mL/min. 2mins.
ows: ____ BP: ____ Temp: ____

tle Cal-120803STDB-2C ID# 2616
pe: Supelco AT ID # D017666 IS: d8-toluene gas
atch# 031212A2 Init XLiu
ate sampled 12-12-03
art Time ____ End Time ____ Init
ump # ____ Volume ____ ATD P8
omments: spiked 2µL 10 mL/min. 2mins.
ows: ____ BP: ____ Temp: ____

Cal-120803STDB-6A ID# 2623
e: Supelco AT ID # D015557 IS: d8-toluene gas
ch# 031212B3 Init XLiu
e sampled 12-12-03
t Time ____ End Time ____ Init
np # ____ Volume ____ ATD p- 9
nments: spiked 2µL 10 mL/min. 2mins.
ws: ____ BP: ____ Temp: ____

Title Cal-120803STDB-6B ID# 2622
Type: Supelco AT ID # D017498 IS: d8-toluene gas
Batch# 031212B2 Init XLiu
Date sampled 12-12-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 10
Comments: spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-120803STDB-6C ID# 2620
Type: Supelco AT ID # D017662 IS: d8-toluene gas
Batch# 031212A6 Init XLiu
Date sampled 12-12-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 11
Comments: spiked 2µL 10 mL/min. 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC-120803STDB-3 ID# 2629
Type: Supelco AT ID # D017789 IS: d8-toluene gas
Batch# 031212AA3 Init xLiu
Date sampled 12-12-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 12
Comments: spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title DCC-121103STD-3 ID# 2627
Type: Supelco AT ID # D017565 IS: d8-toluene gas
Batch# 031212AA1 Init xLiu
Date sampled 12-12-03
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 13
Comments: spiked 2µL 10 mL/min. 2mins
Flows: ____ BP: ____ Temp: ____

20040106.5

Title DCC120803STDB-3 ID# 2628
Type: Supelco AT ID # D017619 IS: d8-toluene gas
Batch# ~~031212AA2~~ 040106A2 Init xLiu
Date sampled 1-6-03
Start Time ____ End Time ____ Init xLiu
Pump # ____ Volume ____ ATD p- 2
Comments: QC spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 121103 STD-3 ID# 2633
Type: Supelco AT ID # C0 1010 IS: d8-toluene gas
Batch# 031212 ~~AB~~ 040106AB Init X lin
Date sampled 1-6-04
Start Time ____ End Time ____ Init X lin
Pump # ____ Volume ____ ATDp-3
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

20040128.S

Title Cal-012304STD-1A ID# 2912
Type: SupelcoAT ID # D015324 IS: d8-toluene gas
Batch# ~~[illegible]~~ 040122A2 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 19
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-012304STD-1B ID# 2971
Type: SupelcoAT ID # C04570 IS: d8-toluene gas
Batch# ~~[illegible]~~ 040122A3 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 20
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-012304STD-1C ID# 2972
Type: SupelcoAT ID # D015709 IS: d8-toluene gas
Batch# ~~[illegible]~~ 040122A4 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 21
Comments: Spiked 2µL 10 mL/min. 2mins.
Flows: ____ BP: ____ Temp: ____

Title Cal-012304STD-2A ID# 2973
Type: SupelcoAT ID # D015512 IS: d8-toluene gas
Batch# ~~[illegible]~~ 040122A5 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 22
Comments: Spiked 2µL
Flows: 10 mL/min. 2mins BP: ____ Temp: ____

Title Cal-012304STD-2B ID# 2974
Type: SupelcoAT ID # C03851 IS: d8-toluene gas
Batch# ~~[illegible]~~ 040122A6 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 23
Comments: Spiked 2µL
Flows: 10 mL/min. 2mins. BP: ____ Temp: ____

Title Cal-012304STD-2C ID# 2975
Type: SupelcoAT ID # D015521 IS: d8-toluene gas
Batch# ~~[illegible]~~ 040122B1 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 24
Comments: Spiked 2µL
Flows: 10 mL/min. 2mins BP: ____ Temp: ____

Title Cal-012304STD-3A ID# 2976
Type: SupelcoAT ID # ~~[illegible]~~ C03821 IS: d8-toluene gas
Batch# ~~[illegible]~~ 040122A2 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 25
Comments: Spiked 2µL
Flows: 10 mL/min. 2mins BP: ____ Temp: ____

Title Cal-012304STD-3B ID# 2977
Type: SupelcoAT ID # D014646 IS: d8-toluene gas
Batch# ~~[illegible]~~ 040122B3 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 26
Comments: Spiked 2µL
Flows: 10 mL/min. 2mins BP: ____ Temp: ____

Title Cal-012304STD-3C ID# 2978
Type: SupelcoAT ID # C0d36 IS: d8-toluene gas
Batch# ~~[illegible]~~ 040122A4 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____ ATD p- 27
Comments: Spiked 2µL
Flows: 10 mL/min. 2mins BP: ____ Temp: ____

Title CCC-012304STD-7B ID# 2947
Type: SupelcoAT ID # C03645 IS: d8-toluene gas
Batch# ~~0311284~~ 040128B4 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
ATD p- 4
Comments: ~~QC~~ Spiked 2µL
Flows: 10 ml/min, 2 min BP: ____ Temp: ____

Title CCC-012304STD-7C ID# 2952
Type: SupelcoAT ID # C04567 IS: d8-toluene gas
Batch# ~~0311284~~ 040128B4 Init
Date sampled 1-28-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
ATD p- 12
Comments: ~~QC~~ Spiked 2µL
Flows: 10 ml/min, 2 min BP: ____ Temp: ____

20040130.S

Title DCC 012304STD-3 ID# 2956
Type: SupelcoAT ID # D014076 IS: d8-toluene gas
Batch# ~~0311284~~ 040128A2 Init
Date sampled 1-30-04
Start Time ____ End Time ____ Init
Pump # ____ Volume ____
ATD p- 2
Comments: Spiked 2µL
Flows: 10 ml/min, 2 min BP: ____ Temp: ____

20040203.S

Title DCC 120803STDB-3 ID# 2621
Type: Supelco AT ID # D015373 IS: d8-toluene gas
Batch# ~~0312121B1~~ 040128B1 Init XLiu
Date sampled 2-3-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 2
Comments: ~~QC~~ spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 120803STDA-3 ID# 2615
Type: Supelco AT ID # D015414 IS: d8-toluene gas
Batch# ~~0312121A1~~ 040128A1 Init XLiu
Date sampled 1-29-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
Comments: ~~QC~~ spiked 2ul 10ml/min 2mins
ATDp-1
Flows: ____ BP: ____ Temp: ____

Title DCC 121103STD-3 ID# 2634
Type: Supelco AT ID # D017401 IS: d8-toluene gas
Batch# ~~0312121BB2~~ 040128B2 Init Xliu
Date sampled 2-3-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATDp-3
Comments: ~~QC~~ spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 121103STD-3 ID# 2630
Type: Supelco AT ID # D016511 IS: d8-toluene gas
Batch# ~~0312121AA4~~ 040128A4 Init Xliu
Date sampled 1-29-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
Comments: ~~QC~~ spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ATDp-2

Title ____ ID# 2637
Type: Supelco AT ID # D017551 IS: ____
Batch# ~~0312121BB5~~ 040128B5 Init Xliu
Date sampled 3 FEB 04
Start Time 1700 End Time ____ Init ____
Pump # 97308-2 Volume ____
Comments: QC Chamber Inlet ATDp-4
Flows: 147.9 BP: ____ Temp: ____

20040204.S

Title _____ ID# 2638
Type: Supelco AT ID # D016059 IS: _____
Batch# ~~031212BB6~~ 040129B6 Init Xlin
Date sampled 3-2-2004
Start Time _____ End Time _____ Init _____
Pump # 97308-2 Volume _____
Comments: Chamber Inlet
Flows: 150.8 BP: _____ Temp: ATDp-5

Title _____ ID# 2635
Type: Supelco AT ID # D015074 IS: _____
Batch# ~~031212AB3~~ 040129B3 Init Xlin
Date sampled 3-2-2004
Start Time 1626 End Time 1.5 Init CK
Pump # 97308-1 Volume _____
Comments: Chamber Outlet
Flows: 147.7 BP: _____ Temp: ATDp-6

Title _____ ID# 2636
Type: Supelco AT ID # D016505 IS: _____
Batch# ~~031212DB4~~ 040129B4 Init Xlin
Date sampled 3-2-2004
Start Time 1626 End Time 1651 Init CK
Pump # 97308-2 Volume _____
Comments: ~~QC~~ Chamber Outlet
Flows: 150.8 BP: _____ Temp: ATDp-7

Title _____ ID# 2639
Type: Supelco AT ID # D017626 IS: _____
Batch# 040129A2 Init Xlin
Date sampled 3-2-2004
Start Time 17:35 End Time _____ Init CK
Pump # NA Volume _____
Comments: BLANK ATD-8
Flows: NA BP: _____ Temp: _____

Title DCC 121103STD-3 ID# 2648
Type: Supelco AT ID # D017498 IS: ~~d8~~ toluene gas
Batch# 040202B2 Init Xlin
Date sampled 04/02/04 2-4-04
Start Time _____ End Time _____ Init Xlin
Pump # _____ Volume _____
Comments: spiked 2ml 10ml/min 2mins ATDp-3
Flows: _____ BP: _____ Temp: _____

Title DCC 120803STDB-3 ID# 2647
Type: Supelco AT ID # D017666 IS: ~~d8~~ toluene gas
Batch# 040202B1 Init Xlin
Date sampled 2-4-04
Start Time _____ End Time _____ Init Xlin
Pump # _____ Volume _____
Comments: spiked 2ml 10ml/min 2mins ATDp-2
Flows: _____ BP: _____ Temp: _____

Title PHASE I P1 BKGRND ID# 2640
Type: Supelco AT ID # D017789 IS: _____
Batch# 040129A3 Init _____
Date sampled 4 FEB 2004
Start Time 1537 End Time 1539 Init KK
Pump # 97308-1 Volume _____
Comments: BLG ATDp-~~8~~
Flows: 142.3 ml/min BP: _____ Temp: 24.4

Title Phase I P1 BLNK ID# 2643
Type: Supelco AT ID # D016323 IS: _____
Batch# 040202A3 Init Xlin
Date sampled 4 FEB 2003
Start Time _____ End Time _____ Init _____
Pump # _____ Volume _____
Comments: BLANK ATDp-5
Flows: _____ BP: _____ Temp: _____

Type: Supelco AT ID # D017565 IS:
Batch# 040202A1 Init xlin
Date sampled 9 FEB 2004
Start Time 1611 End Time 1613 Init
Pump # 97308-1 Volume
Comments: POPPING ATD p-6
Flows: 142.3 ml/min BP: Temp: 24.4

Type: Supelco AT ID # D015781 IS:
Batch# 040202A6 Init xlin
Date sampled 9 FEB 2004
Start Time 1311 End Time 1314 Init KR
Pump # 97308-1 Volume
Comments: QC BKG ATD p-4
Flows: BP: Temp: 22.5

Title Phase 1 P1 open ID# 2642
Type: Supelco AT ID # D015557 IS:
Batch# 040202A2 Init xlin
Date sampled 9 FEB 2004
Start Time 1615 End Time 1617 Init
Pump # 97308-1 Volume
Comments: OPENING ATD p-7
Flows: 142.3 ml/min BP: Temp: 24.4

Title ID# 2645
Type: Supelco AT ID # D015139 IS:
Batch# 040202A5 Init xlin
Date sampled 9 FEB 2004
Start Time End Time Init
Pump # Volume
Comments: BLANK ATD p-5
Flows: BP: Temp:

20040209.S

Title DCC 020303STDB-3 ID# 2660
Type: Supelco AT ID # D015574 IS: ds toluene gas
Batch# 040204B2 Init xlin
Date sampled 2-9-04
Start Time End Time Init xlin
Pump # Volume
Comments: spiked 2ul 10ml/min 2 mins ATD p-2
Flows: BP: Temp:

Title Phase 1 Test 2 ID# 2644
Type: Supelco AT ID # D015432 IS:
Batch# 040202A4 Init xlin
Date sampled 9 FEB 2004
Start Time 1512 End Time 1514 Init
Pump # 97308-1 Volume
Comments: Popping ATD p-6
Flows: BP: Temp:

Title DCC 121103STD-3 ID# 2661
Type: Supelco AT ID # D018559 IS: ds toluene gas
Batch# 040204B3 Init xlin
Date sampled 2-9-04
Start Time End Time Init xlin
Pump # Volume
Comments: spiked 2ul 10ml/min 2 mins ATD p-3
Flows: BP: Temp:

Title Phase 1 Test 2 ID# 2649
Type: Supelco AT ID # D017602 IS:
Batch# 040202B3 Init xlin
Date sampled 9 FEB 2004
Start Time 1526 End Time 1528 Init
Pump # 97308-1 Volume
Comments: Opening ATD p-7
Flows: BP: Temp:

20040211-3

le DCC 120803STDB-3 ID# 2673
pe: Supelco AT ID # D016171 IS: d8 toluene gas
tch# 040209B3 Init xlin
ate sampled 2-11-04
art Time ____ End Time ____ Init xlin
mp # ____ Volume ____

mments: spiked 2ml 10ml/min 2mins

ows: ____ BP: ____ Temp: ATDp-2

itle DCC 121103STD-3 ID# 2674
ype: Supelco AT ID # D015323 IS: d8 toluene gas
atch# 040209B4 Init xlin
ate sampled 2-11-04
tart Time ____ End Time ____ Init xlin
ump # ____ Volume ____

omments: spiked 2ml 10ml/min 2mins

lows: ____ BP: ____ Temp: ATDp-3

itle phase1 TEST 3 POPCORN ID# 2650
ype: Supelco AT ID # D017662 IS: ____
atch# 040202B4 Init xlin
ate sampled 11 FEB
tart Time ____ End Time ____ Init LL
ump # NA Volume 0

omments: ____

lows: ____ BP: ____ Temp: ATDp-4

tle Phase1 TEST 3 BLG ID# 2651
ype: Supelco AT ID # C01010 IS: ____
atch# 040202B5 Init xlin
ate sampled 11 FEB 2004
art Time 1047 End Time ____ Init ICC
ump # 97308-1 Volume ____

omments: ATDp-5

ows: Avg 154.0 BP: ____ Temp: 22.4
153.8, 154.4, 154

le POPPING Phase1 TEST 3 ID# 2652
ype: Supelco AT ID # D017619 IS: ____
atch# 040202B6 Init xlin
ate sampled 11 FEB 2004
art Time 1107 End Time 1109 Init ____
ump # 97308-1 Volume ____

omments: RC Popcorn 43 popping-A
ATDp-6

Title POPPING Phase1 TEST 3 ID# 2653
Type: Supelco AT ID # D017551 IS: ____
Batch# 040204A1 Init xlin
Date sampled Feb 11 2004
Start Time 1105 End Time 1109 Init ____
Pump # 2 Volume ____
97308-
Comments: RC Popcorn 43 popping-B
ATDp-7

Flows: 153, 153, 153.6 BP: ____ Temp: ____
avg 153.2

Title Phase1 P3 - opening ID# 2654
Type: Supelco AT ID # D016058 IS: ____
Batch# 040204A2 Init ____
Date sampled 2/11/04
Start Time 1112 End Time 1115 Init ____
Pump # 97308-1 Volume ____

Comments: ATDp-8

Flows: 154, 154.4, 153.8 BP: ____ Temp: ____

Title POPCORN #10 PHASE1 TEST4 ID# 2655
Type: Supelco AT ID # D015373 IS: BACKGROUND
Batch# 040204A3 Init xlin
Date sampled 11 FEB 2004
Start Time 1413 End Time 1419 Init ____
Pump # 97308-1 Volume ____ ATDp-9

Comments: BLG, POPCORN #10 PHASE1 TEST4

Flows: 154.0 BP: ____ Temp: 14C

Title POPPING - Phase1 T4 ID# 2656
Type: Supelco AT ID # D016511 IS: ____
Batch# 040204A4 Init xlin
Date sampled 11 FEB 2004
Start Time 1425 End Time 1429 Init ____
Pump # 97308-1 Volume ____

Comments: ATDp-10

Flows: ____ BP: ____ Temp: ____

Title POPPING - Phase1 T4 ID# 2657
Type: Supelco AT ID # D014296 IS: ____
Batch# 040204A5 Init xlin
Date sampled 11 FEB 2004
Start Time 1430 End Time 1433 Init ____
Pump # 97308-1 Volume ____

Comments: ATDp-11

Flows: ____ BP: ____ Temp: ____

Title DCC 120803STDB-3 ID# 2671
Type: Supelco AT ID # D015768 IS: d8-toluene gas
Batch# 040209B1 Init xlin
Date sampled 2-13-04
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____ ATDp-2

Title DCC 121103STD-3 ID#. 2675
Type: Supelco AT ID # D015557 IS: d8-toluene gas
Batch# 040209B5 Init xlin
Date sampled 2-13-04
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____ ATD p-3
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title PUBLIC ID# 2663
Type: Supelco AT ID # D017401 IS: ____
Batch# 040204B5 Init xlin
Date sampled 13 FEB 2004
Start Time 955 End Time ____ Init ____
Pump # N4 Volume ____
Comments: ____ ATD p-4
Flows: ____ BP: ____ Temp: ____

Title TEST 5 Phase 1 ID# 2658
Type: Supelco AT ID # D017435 IS: ____
Batch# 040204A6 Init xlin
Date sampled 13 FEB
Start Time 916 End Time 9:21 Init KK
Pump # 697308-1 Volume popcorn 10
Comments: BACKGROUND ~~popcorn #37~~
Flows: ATD p-5 BP: ____ Temp: 22.2°C

Title POPPING Phase 1 P5 ID# 2659
Type: Supelco AT ID # D015849 IS: ____
Batch# 040204B1 Init xlin
Date sampled ____
Start Time 9:37 End Time 9:39 Init ____
Pump # ____ Volume ____ ATDp-6
Comments: QC Phase 1 Test 5 Popcorn 10
Flows: ____ BP: ____ Temp: ____

Type: Supelco AT ID # D018414 IS: ____
Batch# 040204B4 Init xlin
Date sampled 13 FEB 2004
Start Time 940 End Time 942 Init KK
Pump # 697308-1 Volume 947
Comments: Phase 1 Test 5 Popcorn 10 ATDp-7
Flows: ____ BP: ____ Temp: 22.2

Title Phase 1 Test 6 - BKGT A ID# 2664
Type: Supelco AT ID # D014679 IS: ____
Batch# 040204B6 Init xlin
Date sampled 13 FEB 2004
Start Time 13:00 End Time 13:05 Init KK
Pump # 697308-1 Volume ____
Comments: Popcorn #37 ATDp-8
Flows: ____ BP: ____ Temp: 22.2

Title Phase 1 Test 6 BKGT B ID# 2665
Type: Supelco AT ID # D017666 IS: ____
Batch# 040209A1 Init xlin
Date sampled 13 FEB 2004
Start Time 13:00 End Time 13:05 Init KK
Pump # 697308-1 Volume ____
Comments: Popcorn #37 ATDp-9
Flows: 145.8 ml/m BP: ____ Temp: 22.2

Title Phase 1 Test 6 Popping ID# 2666
Type: Supelco AT ID # D017565 IS: ____
Batch# 040209A2 Init xlin
Date sampled 13 FEB 2004
Start Time 14:34 End Time 14:36 Init KK
Pump # 697308-1 Volume ____
Comments: QC Popcorn #37 ATD-p-10
Flows: ____ BP: ____ Temp: ____

Title Phase 1 Test 6 OPENING ID# 2667
Type: Supelco AT ID # D017606 IS: ____
Batch# 040209A3 Init xlin
Date sampled 13 FEB 2004
Start Time 14:38 End Time 14:40:20 Init KK
Pump # 697308-1 Volume ____
Comments: Popcorn #37 ATD p-11
Flows: ____ BP: ____ Temp: ____

20040218.S

Title DCC 120803STDB-3 ID# 2670
Type: Supelco AT ID # D016034 IS: ~~xlin~~ d8-toluene gas
Batch# 040209A6 Init xlin
Date sampled 2-18-03
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
Comments: spiked 2ul 10ml/min 2mins ATD P#2
Flows: ____ BP: ____ Temp: ____

Title DCC 121103STD-3 ID# 2672
Type: Supelco AT ID # D016805 IS: d8-toluene gas
Batch# 040209B2 Init xlin
Date sampled 2-18-03
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____ ATD p-3
Comments: QC spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Chamber Inlet ID# 2669
Type: Supelco AT ID # D017498 IS: ____
Batch# 040209A5 Init xlin
Date sampled 18 FEB 2004
Start Time 16:17 End Time 16:47 Init LCA
Pump # G97308-2 Volume ____ ATD p-4
Comments: 4.32 liters
Flows: 144.1 BP: ____ Temp: 22°C

Title Chamber Inlet ID# 2668
Type: Supelco AT ID # D017789 IS: ____
Batch# 040209A4 Init xlin
Date sampled 18 FEB 2004
Start Time 16:17 End Time 16:47 Init LK
Pump # G97308-1 Volume ____
Comments: 4.35 liters ATD p-5
Flows: 144.9 BP: ____ Temp: 22°C

20040224.S

Title DCC 120803STDB-3 ID# 2679
Type: Supelco AT ID # D016511 IS: d8-toluene gas
Batch# 040213A4 Init xlin
Date sampled 2-24-04
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
Comments: spiked 2ul 10ml/min 2mins ATD p-2
Flows: ____ BP: ____ Temp: ____

Title DCC 121103STD-3 ID# 2676
Type: Supelco AT ID # D016058 IS: d8-toluene gas
Batch# 040213A1 Init xlin
Date sampled 2-24-04
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ATD p-3

Title Phase I Test 7 ID# 2680
Type: Supelco AT ID # D016171 IS: ____
Batch# 040213A5 Init xlin
Date sampled 23 FEB 2004
Start Time ____ End Time ____ Init LK
Pump # ____ Volume ____
Comments: FIELD BLANK ATD p-4
Flows: ____ BP: ____ Temp: 22

Title Phase I Test 7 ID# 2678
Type: Supelco AT ID # D015323 IS: ____
Batch# 040213A3 Init xlin
Date sampled 23 FEB 2004
Start Time 8:37 End Time 8:42 Init LK
Pump # G97308-1 Volume ____
Comments: QC BKG ATD p-5
Flows: 158.5 BP: ____ Temp: 22.0

Title Phase I Test 7 ID# 2677
Type: Supelco AT ID # D017619 IS: ____
Batch# 040213A2 Init xlin
Date sampled 23 FEB 2004
Start Time 14:09 End Time 14:11 Init LK
Pump # G97308-1 Volume ____
Comments: Purging ATD p-6
Flows: ~~163~~ 158.5 BP: ____ Temp: 22

Title [illegible] ID# [illegible]
Type: Supelco AT ID # D018559 IS: ____
Batch# 040213A6 Init xlin
Date sampled 23 FEB 2004
Start Time 1413 End Time 1416 Init KK
Pump # G97308-1 Volume ____
Comments: open ATD p-7
Flows: 158.5 BP: ____ Temp: 62

Title Phase 1 TEST 8 ID# 2682
Type: Supelco AT ID # D015781 IS: ____
Batch# 040213B1 Init xlin
Date sampled 23 FEB 2004
Start Time 1618 End Time 1623 Init KK
Pump # G97308-1 Volume ____
Comments: BKG ATD p-8
Flows: 158.5 BP: ____ Temp: 21.7

Title Phase 1 TEST 8 ID# 2684
Type: Supelco AT ID # D015139 IS: ____
Batch# 040213B3 Init xlin
Date sampled 23 FEB 2004
Start Time 1640 End Time 1642 Init [illegible]
Pump # G97308-1 Volume ____
Comments: RC POPPING ATDp-9
Flows: 158.5 BP: ____ Temp: 21.7

Title Phase 1 TEST 8 ID# 2687
Type: Supelco AT ID # D014296 IS: ____
Batch# 040213B6 Init xlin
Date sampled 24 FEB 2004
Start Time 1643 End Time 1645 Init [illegible]
Pump # G97308-1 Volume ____
Comments: OPEN ATD p-10
Flows: 158.5 BP: ____ Temp: 21.7

20040225.S

Title DCC 012304STD-4 ID# 2988
Type: SupelcoAT ID # D015778 IS: d8-toluene gas
Batch# 040130A5 Init [illegible]
Date sampled 2-25-04
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
Comments: spiked 2ul 10ml/min 2mins ATD p- 2
no data collected
Flows: ____ BP: ____ Temp: ____

Title SS HS T2 - 22Hr C ID# 2986
Type: SupelcoAT ID # D018479 IS: d8-toluene gas
Batch# 040130A3 Init [illegible]
Date sampled 040225
Start Time 1358 End Time 1400 Init mhr
Pump # ____ Volume ____
Comments: Decan 806 ppb (616, 871, 707, 776) ATD p- 43
Flows: 46, 46.1, 46.1 BP: ____ Temp: ____
No GC data collected

Title SS HS T2 - 22Hr B ID# 2985
Type: SupelcoAT ID # C013686 IS: d8-toluene gas
Batch# 040130A2 Init [illegible]
Date sampled 040225
Start Time 1355:30 End Time 1357:30 Init Mhr
Pump # ____ Volume ____
Comments: ATD p- 4
Flows: 46, 46.1, 46.1 BP: ____ Temp: ____

Title DCC 012304STD-4 ID# 2987
Type: SupelcoAT ID # D018715 IS: d8-toluene gas
Batch# 040130A4 Init [illegible]
Date sampled 2-26-04
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
Comments: spiked 2ul 10ml/min 2mins had spiking not analyzed! ATD p- ____
Flows: ____ BP: ____ Temp: ____

Title DCC 012304STD-4 ID# 2990
Type: SupelcoAT ID # D014848 IS: d8-toluene gas
Batch# 040130B1 Init [illegible]
Date sampled 2-26-04
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
Comments: spiked 2ul 10ml/min 2mins ATD p- 23
Flows: ____ BP: ____ Temp: ____

Title SS HS T2 - 22Hr A ID# 2968
Type: SupelcoAT ID # C03874 IS: d8-toluene gas
Batch# ~~031113B3~~ 040130A1 Init [illegible]
Date sampled 040225
Start Time 1352 End Time 1354 Init mhr
Pump # ____ Volume ____
Comments: [illegible] ATD p- 41
Flows: 46, 46.1, 46.1 BP: ____ Temp: ____

ISHSTZ-22Hr FB ID# 2958
SupelcoAT ID # D015153 IS: d8-toluene gas
~~031113A3~~ 040128A4 Init SD
sampled
Time End Time Init
Volume
ATD p- 42
ents:
BP: Temp:

ISHSTZ-2P Hr 7 ID# 2961
SupelcoAT ID # C03651 IS: d8-toluene gas
~~031113A6~~ 040128A6 Init SD
sampled 040225
Time 13:20 End Time 13:22 Init
Volume
ATD p- 43
ents: Dec 578 ppb
46 46.1, 46.1 BP: Temp:
without pump

HSTZ-2P Hr B ID# 2959
upelcoAT ID # D015111 IS: d8-toluene gas
~~031113A4~~ 040128A5 Init SD
mpled 040225
me 13:23 End Time 13:25 Init
Volume
ATD p- 44
nts: Dec 578 ppb
/6, 46.1, 46.1 BP: Temp:
without pump

20040302-5

e DCC 120803STD8-3 ID# 2685
pe: Supelco AT ID # D015373 IS: d8-toluene gas
ch# 040213B4 Init xlin
te sampled 3-2-04
rt Time End Time Init xlin
mp # Volume
mments: spiked 2ul 10ml/min 2mins ATD p-2
ws: BP: Temp:

e DCC 121103STD-3 ID# 2683
pe: Supelco AT ID # D015432 IS: d8-toluene gas
ch# 040213B2 Init xlin
te sampled 3-2-04
rt Time End Time Init xlin
mp # Volume
ATD p-3
mments: spiked 2ul 10ml/min 2mins
ws: BP: Temp:

Title Phase 1 Test 4 ID# 2692
Type: Supelco AT ID # D017606 IS:
Batch# 040224A5 Init xlin
Date sampled 1 MAR 2004
Start Time End Time Init
Pump # NA Volume
Comments: FLD BLK
Flows: BP: Temp: ATD p-4

Title Phase 1 Test 9 ID# 2693
Type: Supelco AT ID # D016034 IS:
Batch# 040224A6 Init xlin
Date sampled 1 MAR 2004
Start Time 1620 End Time 1625 Init
Pump # 697308-1 Volume
Comments: Background 4:15 pm ATD p-5
Flows: BP: Temp:

Title Phase 1 TEST 9 ID# 2688
Type: Supelco AT ID # D017498 IS:
Batch# 040224A1 Init xlin
Date sampled 1 MAR 2004
Start Time 1305 End Time 1310 Init LK
Pump # 697308-1 Volume 718.7 cc ATD p-6
Comments: BKG, POPCORN #46 TEST 2
Flows: 143.7 ml/min BP: Temp: 22.2 C

Title Phase 1 TEST 9 ID# 2689
Type: Supelco AT ID # D017789 IS:
Batch# 040224A2 Init xlin
Date sampled 1 MAR 2004
Start Time 1630 End Time 1632 Init
Pump # 697308-1 Volume
Comments: POPPING POPCORN #46 TEST 2 A
Flows: BP: Temp: ATD p-7

Title Phase 1 TEST 9 ID# 2690
Type: Supelco AT ID # D017435 IS:
Batch# 040224A3 Init xlin
Date sampled 1 MAR 2004
Start Time 1630 End Time 1632 Init
Pump # 697308-2 Volume B
Comments: POPPING OUT POPCORN 46 TEST 2
Flows: BP: Temp: ATD p-8

Type: Supelco AT ID # D015768 IS:
Batch# 040224A4 Init xlin
Date sampled 1 MAR 2004
Start Time 1634 End Time 1636 Init
Pump # 697305-1 Volume
Comments: QC BAG OPEN. POPCORN #6 TEST 2
Flows: BP: Temp: ATD-9

Type: Supelco AT ID # D017565 IS:
Batch# 040224B2 Init xlin
Date sampled 3 MAR 2004
Start Time 1638 End Time 1540 Init
Pump # 697308-1 Volume
Comments: Popping Popcorn #13 Test 1
Flows: BP: Temp: ATDp-6

20040305-5

Title DCC 120803STD B-3 ID# 2686
Type: Supelco AT ID # 601010 IS: d8 toluene gas
Batch# 040213B5 Init xlin
Date sampled 3-5-04
Start Time End Time Init xlin
Pump # Volume
Comments: spiked 2ul 10ml/min 2mins ATD p-2
Flows: BP: Temp:

Title Phase I TEST 10 POPCORN #13 ID# 2696
Type: Supelco AT ID # D017662 IS:
Batch# 040224B3 Init xlin
Date sampled 3 MAR 04
Start Time 1542 End Time 1544 Init
Pump # 697308-1 Volume
Comments: Popping bag #13 Test 1 ATDp-7
Flows: BP: Temp:

Title DCC 121103STD-3 ID# 2705
Type: Supelco AT ID # D016511 IS: d8-toluene gas
Batch# 040302A6 Init xlin
Date sampled 3-5-04
Start Time End Time Init xlin
Pump # Volume
Comments: spiked 2ul 10ml/min 2mins ATD p-3
Flows: BP: Temp:

Title Phase I Test 11 ID# 2701
Type: Supelco AT ID # D016058 IS: d8-toluene gas
Batch# 040302A2 Init xlin
Date sampled 4 MAR 2004
Start Time 1106 End Time Init KL
Pump # NA Volume
Comments: FLD BLK ATD p-8
Flows: BP: Temp:

Title Phase I TEST 10 POPCORN #13 ID# 2697
Type: Supelco AT ID # D015849 IS:
Batch# 040224B4 Init xlin
Date sampled 3 MAR 04
Start Time — End Time — Init
Pump # Volume
Comments: QC Field blnk ATDp-4
Flows: BP: Temp:

Title Phase I Test 11 ID# 2699
Type: Supelco AT ID # D017557 IS:
Batch# 040224B5 Init xlin
Date sampled 4 MAR 2004
Start Time 1109 End Time 1107 Init KL
Pump # 01 Volume ATDp-9
Comments: POPCORN #13 Test 2 BKG
Flows: 151.7 BP: Temp: 21.3

Title Phase I TEST 10 Popcorn #13 ID# 2694
Type: Supelco AT ID # D015557 IS:
Batch# 040224B1 Init xlin
Date sampled 3 MAR 2004
Start Time 1529 End Time 1534 Init
Pump # 697308 Volume ATDp-~~13~~5
Comments: BACKGROUND Popcorn #13 Test 1
Flows: BP: Temp:

Title Phase I TEST 11 ID# 2698
Type: Supelco AT ID # D016805 IS:
Batch# 040224B5 Init xlin
Date sampled 4 MAR 2004
Start Time 1113 End Time 1115 Init KL
Pump # 697308-01 Volume
Comments: POPCORN #13 TEST 2 POP ATDp-10
Flows: 151.7 BP: Temp: 21.3

ie Phase I Test 11 ID# 2700
pe: Supelco AT ID # D015704 IS: d8-toluene gas
tch# 040302A1 Init xlin
te sampled 4MAR2004
art Time 1116 End Time 1119 Init KK
mp # 97308-01 Volume
ATD p- 8.11
mments: POPCORN #13 Test2 OPEN
ows: 151.7 BP: Temp: 21.3

e Phase I Test 12 ID# 2702
e: Supelco AT ID # D014296 IS: d8-toluene gas
ch# 040302A3 Init xlin
e sampled 4MAR2004
rt Time 1612 End Time 1617 Init KK
np # 97308-1 Volume
ATD p- 12
nments: MKG
ws: 151.7 BP: Temp: 21.6

e Phase I Test 12 ID# 2703
e: Supelco AT ID # D017619 IS: d8-toluene gas
ch# 040302A4 Init xlin
e sampled 4MAR2004
rt Time 1620 End Time Init KK
np # 97308-1 Volume
ATD p- 13
nments: POPPING
ws: 151.7 BP: Temp: 21.9

tle Phase I Test 12 ID# 2704
/pe: Supelco AT ID # D018414 IS: d8-toluene gas
atch# 040302A5 Init xlin
ate sampled 4MAR2004
1624 End Time 1627 Init KK
ump # 97308-1 Volume
ATD p- 14
omments: QC OPEN
ows: 151.7 BP: Temp: 21.9

Phase I Test 13 Popcorn #35 (2) ID# 2707
: Supelco AT ID # D017666 IS: d8-toluene gas
n# 040302B2 Init xlin
sampled 5 MAR 04
Time — End Time — Init
o # — Volume
ATD p- 15
ments: FIELD BLANK
s: BP: Temp:

Type: Supelco AT ID # D018559 IS: d8-toluene gas
Batch# 040302B5 Init xlin
Date sampled 5 MAR 04
Start Time 1124 End Time Init
Pump # 97308-1 Volume
ATD p- 16
Comments: QC Popcorn #35 Test 2 BKG
Flows: BP: Temp:

Title Phase I Test 13 Popcorn 35(2) ID# 2711
Type: Supelco AT ID # D015323 IS: d8-toluene gas
Batch# 040302B6 Init xlin
Date sampled 5 MAR 04
Start Time 1139 End Time 1141 Init
Pump # 97308-1 Volume
ATD p- 17
Comments: Popping #1
Flows: BP: Temp:

Title Phase I Test 13 Popcorn #35 (2) ID# 2708
Type: Supelco AT ID # D015781 IS: d8-toluene gas
Batch# 040302B3 Init xlin
Date sampled 5 MAR 04
Start Time 1143 End Time 1145 Init
Pump # 97308-1 Volume
ATD p- 18
Comments: Opening #1
Flows: BP: Temp:

Title Phase I Test 13 Pop #35 (2) ID# 2709
Type: Supelco AT ID # D015139 IS: d8-toluene gas
Batch# 040302B4 Init xlin
Date sampled 5 MAR 04
Start Time 1146 End Time 1148 Init
Pump # 97308-1 Volume
ATD p- 19
Comments: Opening #2
Flows: BP: Temp:

20040312.S

Title DCC120803 STD B-3 ID# 2741
Type: Supelco AT ID # D018414 IS: d8-toluene gas
Batch# 040311 AA4 Init KK
Date sampled 3-12-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 2
Comments: spiked 2ml 10ml/min 2mins
Flows: BP: Temp:

Title DCC121103STD-3 ID# 2744
Type: Supelco AT ID # D017493 IS: d8-toluene gas
Batch# 040301 003 Init KK
Date sampled 3-12-04
Start time ____ End Time ____ Init xlin
Pump # ____ Volume ____
ATD p- 3
Comments: spiked 2ul 10ml/min . 2mins
Flows: ____ BP: ____ Temp: ____

Title Phase Test 14 Popcorn 8#1 ID# 2714
Type: Supelco AT ID # D016034 IS: d8-toluene gas
Batch# 040304 A3 Init KK
Date sampled 10MAR2004
End Time ____ Init ____
Pump # ____ Volume ____
ATD p- 4
Comments: FIDDLK
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 14 Popcorn 8 #1 ID# 2706
Type: Supelco AT ID # D017401 IS: d8-toluene gas
Batch# 040302 B1 Init xlin
Date sampled 10MAR2004
Start Time 1104 End Time 1114 Init KK
Pump # 0173B8-1 Volume ____
ATD p- 5
Comments: BACKGRND
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 14 Popcorn 8#1 ID# 2715
Type: Supelco AT ID # C06122 IS: d8-toluene gas
Batch# 040304 A4 Init KK
Date sampled 10MAR2004
Start Time 1122 End Time 1124 Init ____
Pump # 2 Volume ____
ATD p- 6
Comments: POPING Duplicate A
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 14 Popcorn 8#1 ID# 2712
Type: Supelco AT ID # D016004 IS: d8-toluene gas
Batch# 040304 A2 Init KK
Date sampled 10MAR2004
Start Time 1122 End Time 1124 Init I
Pump # 1 Volume ____
ATD p- 7
Comments: Popping B
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 14 Popcorn 8#1 ID# 2713
Type: Supelco AT ID # D017679 IS: d8-toluene gas
Batch# 040304A2 Init KK
Date sampled 10MAR2004
Start Time 1126 End Time 1128 Init C
Pump # 1 Volume ____
ATD p- 8
Comments: Opening
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 15 ID# 2716
Type: Supelco AT ID # D017788 IS: d8-toluene gas
Batch# 040304A5 Init KK
Date sampled 10MAR2004
Start Time 401 End Time 404 Init KK
Pump # 1 Volume ____
ATD p- 9
Comments: Background
Flows: 154.7ml/min BP: ____ Temp: ____

Title Phase I Test 15 ID# 2717
Type: Supelco AT ID # D015768 IS: d8-toluene gas
Batch# 040304A6 Init KK
Date sampled 10MAR2004
Start Time 517 End Time 519 Init KK
Pump # ____ Volume ____
ATD p- 10
Comments: QC Popcorn #8 Popping
Flows: 154.7 ml/min BP: ____ Temp: 21.7

Title Phase I Test 15 ID# 2718
Type: Supelco AT ID # D017498 IS: d8-toluene gas
Batch# 040304B1 Init KK
Date sampled 10MAR2004
Start Time 521 End Time 524 Init ____
Pump # 1 Volume ____
ATD p- 11
Comments: POPCORN #8 OPEN
Flows: 154.7 ml/min BP: ____ Temp: ____

Title Phase I Test 16 ID# 2722
Type: Supelco AT ID # D015432 IS: d8-toluene gas
Batch# 040304 B5 Init KK
Date sampled 11MAR
Start Time ____ End Time ____ Init KK
Pump # NA Volume ____
ATD p- 12
Comments: Field Blank / pop # 23
Flows: ____ BP: ____ Temp: 22.1

itle Phase I Test 16 ID# 2719
ype: Supelco AT ID # D016171 IS: d8-toluene gas
atch# 040304 B7 Init KK
ate sampled 11 MAR 2004
tart Time ____ End Time ____ Init ____
ump # 1 Volume ____
ATD p- 13
omments: Back Ground Popcorn #23 Test 1
lows: ____ BP: ____ Temp: ____

tle Phase I Test 16 ID# 2720
ype: Supelco AT ID # D017435 IS: d8-toluene gas
atch# 040304 B3 Init KK
ate sampled 11 MAR 2004
art Time 822 End Time 824 Init KK
ump # 1 Volume ____
ATD p- 14
omments: Popping Popcorn #23 Test 1
ows: 151.6 ml/min BP: ____ Temp: 22.0

tle Phase I Test 16 ID# 2721
ype: Supelco AT ID # D015373 IS: d8-toluene gas
atch# 040304 B4 Init KK
ate sampled 11 MAR 2004
art Time 826 End Time 829 Init KK
ump # 1 Volume ____
ATD p- 15
omments: OPENING
ows: 151.6 ml/min BP: ____ Temp: 22.0

le Phase I Test 17 ID# 2723
pe: Supelco AT ID # D017606 IS: d8-toluene gas
tch# 040304 B6 Init KK
te sampled 11 MAR 2004
art Time 1114 End Time 1118 Init KK
mp # 1 Volume ____
ATD p- 16
mments: QC Popcorn 23#2 BKG
ows: 151.6 BP: ____ Temp: 23.0

itle PHASE I TEST 17 ID# 2725
ype: Supelco AT ID # D016511 IS: d8-toluene gas
atch# 040311 A2 Init KK
ate sampled 11 MAR 2004
tart Time 1130 End Time 1132 Init KK
ump # 1 Volume ____
ATD p- 17
omments: ~~OPEN~~ POPPING ICE A POPCORN 23 #2
lows: 151.6 BP: ____ Temp: 23.0

Title PHASE I TEST 17 ID# 2726
Type: Supelco AT ID # D017565 IS: d8-toluene gas
Batch# 040311A3 Init KK
Date sampled 11 MAR 2004
Start Time 1130 End Time 1132 Init KK
Pump # 2 Volume ____
ATD p- 18
Comments: ~~OPEN~~ POPPING B POP POPCORN 23 #2
Flows: 160.3 BP: ____ Temp: 23.0

Title PHASE I TEST 17 ID# 2727
Type: Supelco AT ID # 001010 IS: d8-toluene gas
Batch# 040311A4 Init KK
Date sampled 11 MAR 2004
Start Time 1134 End Time 1137 Init KK
Pump # 1 Volume ____
ATD p- 19
Comments: OPEN
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 16 ID# 2728
Type: Supelco AT ID # D016058 IS: d8-toluene gas
Batch# 040311A5 Init KK
Date sampled 11 MAR 2004
Start Time 404 End Time 409 Init KK
Pump # 1 Volume ____
ATD p- 20
Comments: Popcorn 22 Background
Flows: 151.6 BP: ____ Temp: 22.0

Title TEST 16 POPCORN 22 ID# 2729
Type: Supelco AT ID # D017609 IS: d8-toluene gas
Batch# 040311A6 Init KK
Date sampled 11 MAR 2004
Start Time 410 End Time 412 Init KK
Pump # 1 Volume ____
ATD p- 21
Comments: POPPING
Flows: 151.6 BP: ____ Temp: 22.0

Title TEST 16 POPCORN 22 ID# 2731
Type: Supelco AT ID # D015781 IS: d8-toluene gas
Batch# 040311 B2 Init KK
Date sampled 11 MAR 2004
Start Time 416 End Time 418 Init KK
Pump # 1 Volume ____
ATD p- 22
Comments: OPEN
Flows: 151.6 BP: ____ Temp: 22.0

Title Phase I Test 19
Type: Supelco AT ID # D015649 IS: d8-toluene gas
Batch# 040311 B6 Init KL
Date sampled 12 MAR 2004
Start Time ____ End Time ____ Init KL
Pump # NA Volume ____
ATD p- 23
Comments: FIELD BLANK
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 19 ID# 2732
Type: Supelco AT ID # D017664 IS: d8-toluene gas
Batch# 040311 B3 Init KL
Date sampled 12 MAR 2004
Start Time 1016 End Time 1023 Init KN
Pump # 1 Volume ____
ATD p- 24
Comments: BACK GROUND
Flows: 151.7 BP: ____ Temp: 22.2°C

Title Phase I Test 19 ID# 2733
Type: Supelco AT ID # D017662 IS: d8-toluene gas
Batch# 040311 B4 Init KL
Date sampled 12 MAR 2004
Start Time 1027 End Time 1029 Init ____
Pump # 1 Volume ____
ATD p- 25
Comments: VOPPING
Flows: 151.7 BP: ____ Temp: ____

Title Phase I Test 19 ID# 2734
Type: Supelco AT ID # D016805 IS: d8-toluene gas
Batch# 040311 B5 Init KL
Date sampled 12 MAR 2004
Start Time ____ End Time ____ Init ____
Pump # 1 Volume ____
ATD p- 26
Comments: OPEN
Flows: 151.7 BP: ____ Temp: 22.2

Title DCC 120803 STD B-3 ID# 2745
Type: Supelco AT ID # C012780 IS: d8-toluene gas
Batch# 040311 DB4 Init KL
Date sampled 3-12-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 27
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 121103 STD 3 ID# 2740
Type: Supelco AT ID # C009179 IS: d8-toluene gas
Batch# 040311 BB3 Init KL
Date sampled 3-12-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 28
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

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Title DCC 120803 STDB-3 ID# 2759
Type: Supelco AT ID # C012859 IS: d8-toluene gas
Batch# 040312 B6 Init KL
Date sampled 3-19-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 2
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 121103 STD-3 ID# 2758
Type: Supelco AT ID # C009420 IS: d8-toluene gas
Batch# 040312 B5 Init KL
Date sampled 3-19-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 3
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 20 ID# 2738
Type: Supelco AT ID # D018559 IS: d8-toluene gas
Batch# 040311 AA3 Init KL
Date sampled 16 MAR 2004
Start Time ____ End Time ____ Init KL
Pump # NA Volume ____
ATD p- 4
Comments: FLD BLK
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 20 ID# 2724
Type: Supelco AT ID # D015557 IS: d8-toluene gas
Batch# 040311 A1 Init KL
Date sampled 16 MAR 2004
1053 End Time 1058 Init KL
Pump # 1 Volume ____
ATD p- 5
Comments: QC Back ground
Flows: 151.5 BP: ____ Temp: 21.7°C

14.5100 ID# 2730
e: Supelco AT ID # 0015700 IS: d8-toluene gas
h# 040311 BB1 Init KK
sampled 16 MAR 2004
Time 1102 End Time 1104 Init
p # 1 Volume
ATD p- 6
ments: QC Popping
s: 151.5 BP: Temp: 21.7

e Phase 1 Test 20 ID# 2736
pe: Supelco AT ID # 0014296 IS: d8-toluene gas
tch# 040311 AA1 Init KK
te sampled 16 MAR 2004
art Time 1106 End Time 1109 Init
mp # 1 Volume
ATD p- 7
mments: Open
ws: 151.5 BP: Temp: 21.7

e Phase 1 Test 20 ID# 2737
pe: Supelco AT ID # 0017551 IS: d8-toluene gas
tch# 040311AA2 Init KK
te sampled 16 MAR 2004
art Time 1106 End Time 1109 Init
mp # 2 Volume
ATD p- 8
mments: QC Open Dup
ows: 161.1 BP: Temp: 21.7

le Phase 1 Test 21 ID# 2739
pe: Supelco AT ID # 0015323 IS: d8-toluene gas
tch# 040311AA4 Init KK
te sampled 16 MAR 2004
art Time 440 End Time 445 Init KK
mp # 1 Volume
ATD p- 9
mments: Popcorn 33#2 Background
ws: BP: Temp: 21.3

e TEST 21 ID# 2740
pe: Supelco AT ID # 0015132 IS: d8-toluene gas
tch# 040311 AA5 Init KK
te sampled 16 MAR 2004
art Time 448 End Time 450 Init KK
mp # 1 Volume
ATD p- 10
mments: Popcorn #33#2 Popping
ows: BP: Temp:

Title Phase 1 Test 21 ID# 2742
Type: Supelco AT ID # 0012520 IS: d8-toluene gas
Batch# 040311 BB1 Init KK
Date sampled 16 MAR 2004
Start Time 452 End Time 455 Init KK
Pump # 1 Volume
ATD p- 11
Comments: Popcorn 33 #2 Opening
Flows: BP: Temp:

Title Phase 1 Test 22 ID# 2750
Type: Supelco AT ID # 0010181 IS: d8-toluene gas
Batch# 040312A3 Init KK
Date sampled
Start Time End Time Init
Pump # Volume
ATD p- 12
Comments: QC FLD BLK
Flows: BP: Temp:

Title Phase 1 Test 22 Popcorn #40 Test 1 ID# 2747
Type: Supelco AT ID # 0010314 IS: d8-toluene gas
Batch# 040311 BB6 Init KK
Date sampled 17 MAR 2004
Start Time 959 End Time 1005 Init KK
Pump # 1 Volume
ATD p- 13
Comments: BKG
Flows: BP: Temp:

Title Phase 1 Test 22 Popcorn #40 Test 1 ID# 2748
Type: Supelco AT ID # 0010959 IS: d8-toluene gas
Batch# 040312A1 Init KK
Date sampled 17 MAR 2004
Start Time 1015 End Time 1017 Init KK
Pump # 1 Volume
ATD p- 14
Comments: POPPING
Flows: BP: Temp:

Title Phase 1 Test 22 Popcorn #40 Test 1 ID# 2749
Type: Supelco AT ID # 0010794 IS: d8-toluene gas
Batch# 040312A2 Init KK
Date sampled 17 MAR 2004
Start Time 1019 End Time 1022 Init
Pump # 1 Volume
ATD p- 15
Comments: OPEN
Flows: BP: Temp:

Title Phase I Test 23 Popcorn # 40 T2 ID# 2743
Type: Supelco AT ID # C010008 IS: d8-toluene gas
Batch# 040311 032 Init KK
Date sampled MAR 17 2004
Start Time 207 End Time ____ Init ____
Pump # 1 Volume ____
ATD p- 16
Comments: QC BKGRND
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 23 Popcorn #40 Test 2 ID# 2751
Type: Supelco AT ID # C013038 IS: d8-toluene gas
Batch# 040312 A4 Init KK
Date sampled 03/17/2004
Start Time 215 End Time 217 Init ____
Pump # 1 Volume ____
ATD p- 17
Comments: Popping #1
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 23 Popcorn #40 Test 2 ID# 2753
Type: Supelco AT ID # C011205 IS: d8-toluene gas
Batch# 040312 A6 Init KK
Date sampled MAR 17 2004
Start Time 215 End Time 217 Init ____
Pump # 2 Volume ____
ATD p- 18
Comments: Popping Duplicate (#2)
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 23 Popcorn #40 Test 2 ID# 2754
Type: Supelco AT ID # C012036 IS: d8-toluene gas
Batch# 040312 B1 Init KK
Date sampled MAR 17 2004
Start Time 219:00 End Time 223:30 Init ____
Pump # 1 Volume ____
ATD p- 19
Comments: Opening
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 24 ID# 2752
Type: Supelco AT ID # C09244 IS: d8-toluene gas
Batch# 040312 A5 Init KK
Date sampled 18 MAR 2004
Start Time ____ End Time ____ Init ____
Pump # 1 Volume ____
ATD p- 20
Comments: Popcorn #7 Test 1 Field Blank
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 24 ID# 2755
Type: Supelco AT ID # C0 3 78 IS: d8-toluene gas
Batch# 040312 B2 Init KK
Date sampled 18 MAR 2004
Start Time 935 End Time 942 Init KK
Pump # 1 Volume ____
ATD p- 21
Comments: Popcorn #7 Test 1 Background
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 24 ID# 2756
Type: Supelco AT ID # C010555 IS: d8-toluene gas
Batch# 040312 B3 Init KK
Date sampled 18 MAR 2004
Start Time 001 End Time 1003 Init ____
Pump # 1 Volume ____
ATD p- 22
Comments: QC Popcorn #7 Test 1 Popping
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 24 ID# 2757
Type: Supelco AT ID # C010101 IS: d8-toluene gas
Batch# 040312 B4 Init KK
Date sampled 18 MAR 2004
Start Time 1005 End Time 1008 Init KK
Pump # 1 Volume ____
ATD p- 23
Comments: Popcorn #7 Test 1 Open
Flows: ____ BP: ____ Temp: ____

Title Test 25 Phase I ID# 2760
Type: Supelco AT ID # C09179 IS: d8-toluene gas
Batch# 040318 A1 Init ____
Date sampled 18 MAR 2004
Start Time 1749 End Time 1754 Init ____
Pump # 1 Volume ____
ATD p- 24
Comments: Background
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 25 ID# 2761
Type: Supelco AT ID # D017401 IS: d8-toluene gas
Batch# 040318 A2 Init KK
Date sampled 18 MAR 2004
Start Time 1815 End Time ____ Init KK
Pump # 1 Volume ____
ATD p- 25
Comments: Popping
Flows: ____ BP: ____ Temp: ____

tle Phase I Test 25 ID# 2762
pe: Supelco AT ID # D015373 IS: d8-toluene gas
atch# 040318A3 Init KK
ate sampled 18MAR2004
art Time 1519 End Time 1522 Init KK
mp # 1 Volume
ATD p- 26
mments: OPEN
ows: BP: Temp:

tle DCC120803STDB-3 ID# 2765
pe: Supelco AT ID # D015432 IS: d8-toluene gas
atch# 040318A6 Init KK
ate sampled 3-19-04
art Time End Time Init xlin
mp # Volume
ATD p- 27
mments: spiked 2ul 10ml/min 2mins
ows: BP: Temp:

itle DCC121108035TD-3 ID# 2766
ype: Supelco AT ID # D016004 IS: d8-toluene gas
atch# 040318B1 Init KK
ate sampled 3-19-04
tart Time End Time Init xlin
ump # Volume
ATD p- 28
omments: spiked 2ul 10ml/min 2mins
lows: BP: Temp:

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le DCC120803STDB-3 ID# 2782
pe: Supelco AT ID # D016511 IS: d8-toluene gas
tch# 040318B5 Init KK
te sampled 3-23-04
rt Time End Time Init xlin
mp # Volume
ATD p- 2
mments: QC spiked 2ul 10ml/min
ws: BP: Temp:

e DCC121103STD-3 ID# 2783
pe: Supelco AT ID # D017664 IS: d8-toluene gas
ch# 040318BB6 Init KK
te sampled 3-23-04
rt Time End Time Init xlin
mp # Volume
ATD p- 3
mments: spiked 2ul 10ml/min 2mins

Title Phase I Test 26 Pop#41 Test1 ID# 2773
Type: Supelco AT ID # D017662 IS: d8-toluene gas
Batch# 040318BA7 Init
Date sampled MAR 19 2004
Start Time End Time Init
Pump # — Volume
ATD p- 4
Comments: Field Blank
Flows: BP: Temp:

Title Phase I Test 26 Popcorn #41 Test1 ID# 2767
Type: Supelco AT ID # D015849 IS: d8-toluene gas
Batch# 040318B2 Init
Date sampled MAR 19 04
Start Time 3:28 End Time 3:33 Init
Pump # 1 Volume
ATD p- 5
Comments: BKGRND
Flows: BP: Temp:

Title Phase I Test 26 Popcorn #41 Test1 ID# 2768
Type: Supelco AT ID # D016171 IS: d8-toluene gas
Batch# 040318B3 Init
Date sampled MAR 19 2004
Start Time 3:37 End Time 3:39 Init
Pump # 1 Volume
ATD p- 6
Comments: Popping #1
Flows: BP: Temp:

Title Phase I Test 26 Pop# 41 Test1 ID# 2770
Type: Supelco AT ID # D018414 IS: d8-toluene gas
Batch# 040318B5 Init
Date sampled MAR 19 2004
Start Time 3:37 End Time 3:39 Init
Pump # 2 Volume
ATD p- 7
Comments: Popping #2
Flows: BP: Temp:

Title Phase I Test 26 Pop #41 Test1 ID# 2772
Type: Supelco AT ID # D017619 IS: d8-toluene gas
Batch# 040318AA1 Init
Date sampled MAR 19 2004
Start Time 0341 End Time 0343 Init
Pump # 1 Volume
ATD p- 8
Comments: Opening
Flows: BP: Temp:

Title Phase I Test 26 ID# 2771
Type: Supelco AT ID # 004122 IS: d8-toluene gas
Batch# 040318B6 Init KK
Date sampled 22 MAR 2004
Start Time ____ End Time ____ Init ____
Pump # ____ Volume ____
ATD p- 9
Comments: FLO BLK
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 27 ID# 2763
Type: Supelco AT ID # 012780 IS: d8-toluene gas
Batch# 040318A4 Init KK
Date sampled 22 MAR 2004
Start Time 1050 End Time 1055 Init ____
Pump # 1 Volume ____
ATD p- 10
Comments: QC Popcorn #4 Test 2 BKG
Flows: 150.5 BP: ____ Temp: 21.6

Title Phase I Test 27 ID# 2764
Type: Supelco AT ID # 001603 IS: d8-toluene gas
Batch# 040318A5 Init KK
Date sampled 22 MAR 2004
Start Time 1114 End Time 1116 Init ____
Pump # 1 Volume ____
ATD p- 11
Comments: POPPING Popcorn #4 Test 2
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 27 ID# 2769
Type: Supelco AT ID # 001610 IS: d8-toluene gas
Batch# 040318B4 Init KK
Date sampled 22 MAR 2004
Start Time 1118 End Time 1120 Init ____
Pump # 1 Volume ____
ATD p- 12
Comments: QC OPEN Popcorn #4 Test 2
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 28 ID# 2774
Type: Supelco AT ID # ~~001766~~ 014679 IS: d8-toluene gas
Batch# 040318AA7 Init KK
Date sampled 22 MAR 2004
Start Time 1350 End Time 1400 Init KK
Pump # 1 Volume ____
ATD p- 13
Comments: BKG
Flows: 150.5 BP: ____ Temp: ____

Title Phase I Test 28 ID# 2775
Type: Supelco AT ID # 001789 IS: d8-toluene gas
Batch# 040318AA4 Init KK
Date sampled 22 MAR 2004
Start Time 1414 End Time 1416 Init ____
Pump # 1 Volume ____
ATD p- 14
Comments: Popcorn #3 Test 1 Popping
Flows: 150.5 BP: ____ Temp: ____

Title Phase I Test 28 ID# 2776
Type: Supelco AT ID # 001658 IS: d8-toluene gas
Batch# 040318AA5 Init KK
Date sampled 22 MAR 2004
Start Time 1418 End Time 1420 Init ____
Pump # 1 Volume ____
ATD p- 15
Comments: QC Popcorn 3 Test 1 OPEN
Flows: 150.5 BP: ____ Temp: ____

Title Phase I Test 29 ID# 2781
Type: Supelco AT ID # 001749 IS: d8-toluene gas
Batch# 040318BB4 Init KK
Date sampled 23 MAR 2004
Start Time ____ End Time ____ Init KK
Pump # NA Volume ____
ATD p- 16
Comments: FLO BLK
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 29 ID# 2777
Type: Supelco AT ID # 001756 IS: d8-toluene gas
Batch# 040318AA6 Init KK
Date sampled 23 MAR 2004
Start Time 1102 End Time 1107 Init KK
Pump # 1 Volume ____
ATD p- 17
Comments: BKG Popcorn 3 Test 2
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 29 ID# 2778
Type: Supelco AT ID # ~~001766~~ 001743 IS: d8-toluene gas
Batch# 040318BB1 Init KK
Date sampled 23 MAR 2004
Start Time 1102 End Time 1107 Init KK
Pump # 2 Volume ____
ATD p- 18
Comments: BKG-DUP Popcorn 3 Test 2
Flows: ____ BP: ____ Temp: ____

e Phase1 Test 04 ID# 2779
pe: Supelco AT ID # D017606 IS: d8-toluene gas
ch# 040318BB2 Init KK
te sampled 23MAR2004
rt Time 1110 End Time 1112 Init CL
mp # 1 Volume
ATD p- 19
mments: POPPING POPCORN #3 Test 2
ows: BP: Temp:

Phase1 Test 29 ID# 2780
Supelco AT ID # D015781 IS: d8-toluene gas
040318BB3 Init KK
sampled 23MAR2004
Time 1114 End Time 1117 Init KK
1 Volume
ATD p- 20
ments: OPEN POPCORN 3 TEST 2
BP: Temp:

Phase1 Test 30 ID# 2805
e: Supelco AT ID # C011081 IS: d8-toluene g
h# 040323BB4 Init KK
sampled 23MAR2004
Time 429 End Time 434 Init KK
p # 1 Volume
ATD p- 21
ments: BKG
s: BP: Temp:

Phase1 Test 30 ID# 2806
e: Supelco AT ID # C012338 IS: d8-toluene g
h# 040323BB5 Init KK
sampled 23MAR2004
Time 1634 End Time 1638 Init KK
p # 1 Volume
ATD p- 22
ments: POP
s: BP: Temp:

Phase1 Test 30 ID# 2807
e: Supelco AT ID # D016805 IS: d8-toluene g
h# 040323BB6 Init KK
sampled 23MAR2004
Time 1640 End Time 1643 Init KK
p # 1 Volume
ATD p- 23
ments: OPEN
s: BP: Temp:

ID# 2786
Type: Supelco AT ID # IS: d8-toluene gas
Batch# 040323A3 Init KK
Date sampled 3-23-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 24
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title DCC121103STD-3 ID# 2787
Type: Supelco AT ID # 009428 IS: d8-toluene gas
Batch# 040323A4 Init KK
Date sampled 3-23-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 25
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Phase1 Test 31 ID# 2804
Type: Supelco AT ID # D015377 IS: d8-toluene gas
Batch# 040323BA3 Init KK
Date sampled 23MAR2004
Start Time End Time Init KK
Pump # NA Volume
AT p- 41
Comments: FB
Flows: BP: Temp:

Title Phase1 Test 31 ID# 2800
Type: Supelco AT ID # C012746 IS: d8-toluene gas
Batch# 040323AA5 Init KK
Date sampled 23MAR2004
Start Time 925 End Time 930 Init 42
Pump # 1 Volume
AT p-
Comments: BKG Popcorn 3 Test 2
Flows: BP: Temp:

Title Phase1 Test 31 ID# 2801
Type: Supelco AT ID # D017551 IS: d8-toluene gas
Batch# 040323AA6 Init KK
Date sampled 23MAR2004
Start Time 936 End Time 940 Init KK
Pump # 1 Volume
AT p- 43
Comments: POP
Flows: BP: Temp:

Title Phase 1 Test 31 ID# 2803
Type: Supelco AT ID # C09294 IS: d8-toluene gas
Batch# 040323BB2 Init KK
Date sampled 24MAR2004
Start Time 940 End Time 942 Init KK
Pump # 1 Volume
AT p- 44
Comments: OPEN
Flows: BP: Temp:

Title Phase 1 Test 32 ID# 2794
Type: Supelco AT ID # C010794 IS: d8-toluene gas
Batch# 040323B5 Init KK
Date sampled 24MAR 2004
1335 End Time 1340 Init KK
Pump # 1 Volume
ATD p- 45
Comments: BKG
Flows: BP: Temp:

Title Phase 1 Test 32 ID# 2797
Type: Supelco AT ID # D017458 IS: d8-toluene gas
Batch# 040323HA2 Init KK
Date sampled 24MAR2004
Start Time 1345 End Time 1347 Init KK
Pump # 1 Volume
ATD p- 46
Comments: Popping
Flows: BP: Temp:

Title Phase 1 Test 32 ID# 2798
Type: Supelco AT ID # ~~D017458~~ D015559 IS: d8-toluene gas
Batch# 040323HA3 Init KK
Date sampled 24MAR2004
Start Time 1345 End Time 1347 Init KK
Pump # 2 Volume
ATD p- 47
Comments: Popping Dup
Flows: BP: Temp:

Title Phase 1 Test 32 ID# 2799
Type: Supelco AT ID # C09204 IS: d8-toluene gas
Batch# 040323AA4 Init KK
Date sampled 24MAR2004
Start Time 1345 End Time 1351 Init KK
Pump # 1 Volume
ATD p- 48
Comments: OPEN
Flows: BP: Temp:

Title Phase 1 Test 33 ID# 2790
Type: Supelco AT ID # D015432 IS: d8-toluene gas
Batch# 040323B1 Init KK
Date sampled MAR 24 04
Start Time 1606 End Time 1611 Init
Pump # 1 Volume
ATD p- 49
Comments: BKG Popcorn 12 Test 2
Flows: BP: Temp:

Title Phase 1 Test 33 ID# 2791
Type: Supelco AT ID # C010034 IS: d8-toluene gas
Batch# 040323B2 Init KK
Date sampled MAR 24 04
Start Time 1613 End Time 1615 Init
Pump # 1 Volume
ATD p- 50
Comments: POPPING Popcorn 12 Test 2
Flows: BP: Temp:

Title Phase 1 Test 33 ID# 2792
Type: Supelco AT ID # C09179 IS: d8-toluene gas
Batch# 040323B3 Init KK
Date sampled MAR 24 04
Start Time 1617 End Time 1619 Init
Pump # 1 Volume
ATD p- 51
Comments: OPEN Popcorn 12 Test 2
Flows: BP: Temp:

Title DCC120803STDB-3 ID# 2796
Type: Supelco AT ID # C09859 IS: d8-toluene gas
Batch# 040323AA1 Init Xlin
Date sampled 3-25-04
Start Time End Time Init Xlin
Pump # Volume
ATD p- 21
Comments: QC spiked 2ml 10ml/min 2mins
Flows: BP: Temp:

Title DCC121103STD-3 ID# 2802
Type: Supelco AT ID # C09101 IS: d8-toluene gas
Batch# 040323BB1 Init KK
Date sampled 3-25-04
Start Time End Time Init Xlin
Pump # Volume
AT p- 22
Comments: QC spiked 2ml 10ml/min 2mins
Flows: BP: Temp:

Title Phase 1 Test 33 ID# 2788
Type: Supelco AT ID # 001428 IS: d8-toluene gas
Batch# 040323A5 Init KL
Date sampled 25 MAR 2004
Start Time ____ End Time ____ Init ____
Pump # NA Volume ____
ATD p- 10
Comments: FLD BLK
Flows: ____ BP: ____ Temp: ____

Title Phase 1 Test 33 ID# 2795
Type: Supelco AT ID # 001030 IS: d8-toluene gas
Batch# 040323B6 Init KL
Date sampled 25 MAR 2004
Start Time 1110 End Time 1112 Init KL
Pump # 1 Volume ____
ATD p- 15
Comments: QC Popping
Flows: ____ BP: ____ Temp: ____

Title Phase 1 Test 34 ID# 2784
Type: Supelco AT ID # 001205 IS: d8-toluene gas
Batch# 040323A1 Init KL
Date sampled 25 MAR 2004
Start Time 712 End Time 717 Init KL
Pump # 1 Volume ____
ATD p- 11
Comments: ~~Popping~~ Background KL
Flows: ____ BP: ____ Temp: ____

Title Phase 1 Test 35 ID# 2808
Type: Supelco AT ID # 001844 IS: d8-toluene g
Batch# 040325A1 Init KL
Date sampled 25 MAR 2004
Start Time 1114 End Time 1116 Init KL
Pump # 1 Volume ____
ATD p- 16
Comments: Opening
Flows: ____ BP: ____ Temp: ____

Title Phase 1 Test 34 ID# 2785
Type: Supelco AT ID # 001604 IS: d8-toluene gas
Batch# 040323A2 Init KL
Date sampled 25 MAR 2004
Start Time 720 End Time 722 Init KL
Pump # 1 Volume ____
ATD p- 12
Comments: Popping KL ~~Back Ground~~
Flows: ____ BP: ____ Temp: ____

Title Phase 1 Test 36 ID# 2809
Type: Supelco AT ID # 001059 IS: d8-toluene g
Batch# 040325A2 Init KL
Date sampled 25 MAR 2004
Start Time 1605 End Time 1610 Init KL
Pump # 1 Volume ____
ATD p- 27
Comments: QC BKG Popcorn 21 Test 1
Flows: ____ BP: ____ Temp: ____

Title Phase 1 Test 34 ID# 2793
Type: Supelco AT ID # 001555 IS: d8-toluene gas
Batch# 040323B4 Init KL
Date sampled 25 MAR 2004
Start Time 724 End Time 726 Init KL
Pump # 1 Volume ____
ATD p- 13
Comments: OPEN
Flows: ____ BP: ____ Temp: ____

Title Phase 1 Test 36 ID# 2810
Type: Supelco AT ID # 001664 IS: d8-toluene gas
Batch# 040325A3 Init KL
Date sampled 25 MAR 2004
Start Time 1612 End Time 1614 Init KL
Pump # 1 Volume ____
ATD p- 28
Comments: POPPING
Flows: ____ BP: ____ Temp: ____

Title Phase 1 Test 35 ID# 2789
Type: Supelco AT ID # ____ IS: d8-toluene gas
Batch# 040323A6 Init KL
Date sampled 25 MAR 2004
Start Time 1047 End Time 1052 Init KL
Pump # 1 Volume ____
ATD p- 14
Comments: QC BKG
Flows: ____ BP: ____ Temp: ____

Title Phase 1 Test 36 ID# 2811
Type: Supelco AT ID # 001539 IS: d8-toluene gas
Batch# 040325A4 Init KL
Date sampled 25 MAR 2004
Start Time 1616 End Time 1618 Init KL
Pump # 2 Volume ____
ATD p- 29
Comments: OPEN
Flows: ____ BP: ____ Temp: ____

:le Phase1 Test 36 ID# 2812
/pe: Supelco AT ID # D017662 IS: d8-toluene gas
atch# 040375A5 Init LLL
ate sampled 25 MAR 2004
:art Time 1616 End Time 1618 Init KL
ump # 1 Volume
AT p- 30
omments: OPEN DUP
lows: BP: Temp:

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e DCC 120803STD B-3 ID# 2832
ɔe: Supelco AT ID # 010325 IS: d8-toluene gas
ch# 040325AAA1 Init KL
:e sampled 4-1-04
rt Time End Time Init Xlin
np # Volume
ATD p- 2
nments: spiked 2ul 10ml/min 2 mins
ws: BP: Temp:

tle DCC 121103STD-3 ID# 2833
/pe: Supelco AT ID # D016058 IS: d8-toluene gas
atch# 040325AAA2 Init KL
ate sampled 4-1-04
:art Time End Time Init Xlin
ump # Volume
ATD p- 3
omments: spiked 2ul 10ml/min 2mins
ows: BP: Temp:

e TEST 37 Phase1 ID# 2813
e: Supelco AT ID # D016177 IS: d8-toluene gas
ch# 040325A6 Init LLL
e sampled 26 MAR 2004
rt Time End Time Init KL
np # NA Volume
AT p- 4
nments: FLD BLK
ws: BP: Temp:

Title Phase1 Test 37 ID# 2814
Type: Supelco AT ID # D015557 IS: d8-toluene gas
Batch# 040325B1 Init LLL
Date sampled 26 MAR 2004
Start Time 900 End Time 905 Init LL
Pump # 1 Volume
AT p- 5
Comments: BKGROUND

Title [illegible] ID# 2815
Type: Supelco AT ID # D015074 IS: d8-toluene g
Batch# 040325B2 Init LL
Date sampled 26 MAR 2004
Start Time 907 End Time 909 Init KL
Pump # 1 Volume
ATI p- 6
Comments: QC Popping
Flows: BP: Temp:

Title Phase 1 Test 37 ID# 2816
Type: Supelco AT ID # D015323 IS: d8-toluene g
Batch# 040325B3 Init KL
Date sampled 26 MAR 2004
Start Time 911 End Time 913 Init KL
Pump # 1 Volume
ATI p- 7
Comments: OPENING
Flows: BP: Temp:

Title Phase1 Test 38 ID# 2817
Type: Supelco AT ID # D015768 IS: d8-toluene g
Batch# 040325B4 Init LLL
Date sampled 26 MAR 2004
Start Time 1206 End Time 1211 Init LL
Pump # 1 Volume
ATI p- 8
Comments: BKG
Flows: BP: Temp:

Title Phase1 Test 38 ID# 2818
Type: Supelco AT ID # D010790 IS: d8-toluene g
Batch# 040325B5 Init LL
Date sampled 26 MAR 2004
Start Time 1213 End Time Init LL
Pump # 1 Volume
ATI p- 9
Comments: POPPING Popcorn #19 Test 1
Flows: BP: Temp:

Title Phase1 Test 38 ID# 2819
Type: Supelco AT ID # D018414 IS: d8-toluene g
Batch# 040325B6 Init LLL
Date sampled 26 MAR 2004
Start Time 1217 End Time 1219 Init LL
Pump # 1 Volume
ATI p- 10
Comments: OPEN
Flows: BP: Temp:

Phase I Test 37 ID# 2821
e: Supelco AT ID # D017551 IS: d8-toluene gas
ch# 040325AA2 Init KK
e sampled 26 MAR 2004
rt Time 1517 End Time 1522 Init KK
mp # 1 Volume
ATD p- 11
mments: BKG
ws: BP: Temp:

Phase I Test 39 ID# 2822
e: Supelco AT ID # D014679 IS: d8-toluene gas
ch# 040325AA3 Init KL
e sampled 26 MAR 2004
t Time 1524 End Time 1526 Init KL
np # 1 Volume
ATD p- 12
nments: QC POPPING
ws: BP: Temp:

Phase I Test 39 ID# 2823
e: Supelco AT ID # D09294 IS: d8-toluene gas
ch# 040325AA4 Init KL
e sampled 26 MAR 2004
rt Time 1529 End Time 1530 Init KL
np # 1 Volume
ATD p- 13
nments: OPENING
ws: BP: Temp:

Phase I Test 40 ID# 2827
pe: Supelco AT ID # D017498 IS: d8-toluene gas
atch# 040325BB2 Init KK
ate sampled MAR 29 2004
art Time — End Time — Init
ump # — Volume
ATD p- 14
omments: Field Blank
ows: BP: Temp:

Phase I Test 40 Pop#28 Test1 ID# 2820
pe: Supelco AT ID # D017619 IS: d8-toluene gas
atch# 040325AA1 Init KL
ate sampled MAR 29 2004
art Time 1407 End Time 1412 Init
ump # 1 Volume
ATD p- 15
omments: BKG (MFC #1)
ows: BP: Temp:

Phase I Test 40 Pop# ID# 2824
Type: Supelco AT ID # D017780 IS: d8-toluene gas
Batch# 040325AA5 Init KK
Date sampled MAR 29 2004
Start Time 1407 End Time 1412 Init
Pump # 2 Volume
ATD p- 16
Comments: BKG Dup (MFC #2)
Flows: BP: Temp:

Phase I Test 40 Pop#28 Test1 ID# 2825
Type: Supelco AT ID # D017565 IS: d8-toluene gas
Batch# 040325AA6 Init KK
Date sampled MAR 29 2004
Start Time 1414 End Time 1416 Init
Pump # 1 Volume
ATD p- 17
Comments: Pop
Flows: BP: Temp:

Phase I Test 40 Pop#28 Test1 ID# 2826
Type: Supelco AT ID # D018555 IS: d8-toluene gas
Batch# 040325BB1 Init KK
Date sampled MAR 29 2004
Start Time 1418 End Time 1420 Init
Pump # 1 Volume
ATD p- 18
Comments: OPEN
Flows: BP: Temp:

Phase I Test 40 P#28 T#1 ID# 2831
Type: Supelco AT ID # D017493 IS: d8-toluene gas
Batch# 040325BB6 Init KK
Date sampled MAR 31 04
Start Time End Time Init
Pump # 1 Volume
ATD p- 19
Comments: Field Blank
Flows: BP: Temp:

Phase I Test 41 P#28 T#2 ID# 2828
Type: Supelco AT ID # D017435 IS: d8-toluene gas
Batch# 040325BB3KK Init KK
Date sampled ~~MAR 3~~ 3/31/04
Start Time 1442 End Time 1447 Init
Pump # 1 Volume
ATD p- 20
Comments: QC BKG
Flows: BP: Temp:

Title Phase I TEST 41 P#28 T#2 ID# 2829
Type: Supelco AT ID # C010204 IS: d8-toluene gas
Batch# 040325BA4 Init KK
Date sampled 3/31/04
Start Time 1454 End Time 1456 Init
Pump # 1 Volume
ATD p- 21
Comments: Popping
Flows: BP: Temp:

Title Phase I test 40 P#28 TEST#2 ID# 2830
Type: Supelco AT ID # C010181 IS: d8-toluene gas
Batch# 040325BB5 Init KK
Date sampled MAR 31 04
Start Time 1458 End Time 1500 Init
Pump # 1 Volume
ATD p- 22
Comments: OPENING
Flows: BP: Temp:

Title Phase I Test 42 ID# 2836
Type: Supelco AT ID # C006122 IS: d8-toluene gas
Batch# 040325AAA5 Init KK
Date sampled 1APR 2004
Start Time End Time Init KK
Pump # NA Volume
ATD p- 23
Comments: FIELD BLANK
Flows: BP: Temp:

Title Phase I Test 42 ID# 2837
Type: Supelco AT ID # C012578 IS: d8-toluene gas
Batch# 040325AAA6 Init KK
Date sampled 1APR 2004
Start Time 1341 End Time Init KK
Pump # 1 Volume
ATD p- 24
Comments: Background
Flows: 153.2 BP: Temp:

Title Phase I Test 43 ID# 2838
Type: Supelco AT ID # C013078 IS: d8-toluene gas
Batch# 040322BBB1 Init KK
Date sampled 1APR 2004
Start Time 1350 End Time 1352 Init KK
Pump # 1 Volume
ATD p- 25
Comments: POPPING
Flows: 153.2 BP: Temp:

Title Phase I Test 42 ID# 2839
Type: Supelco AT ID # C009428 IS: d8-toluene gas
Batch# 040322BBB2 Init KK
Date sampled 1APR 2004
Start Time 1354 End Time 1356 Init KK
Pump # 1 Volume
ATD p- 26
Comments: OPEN
Flows: 153.2 BP: Temp:

Title DCC 120803STD B-3 ID# 2834
Type: Supelco AT ID # C010100 IS: d8-toluene gas
Batch# 040325AAA3 Init KK
Date sampled 4-1-04
Start Time End Time Init xliu
Pump # Volume
ATD p- 27
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title DCC121103STD-3 ID# 2835
Type: Supelco AT ID # 17435 D016034 IS: d8-toluene gas
Batch# 040325AAA4 Init KK
Date sampled 4-1-04
Start Time End Time Init xliu
Pump # Volume
ATD p- 28
Comments: QC spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

20040412.S

Title DCC120803STD B-3 ID# 2854
Type: Supelco AT ID # D014296 IS: d8-toluene gas
Batch# 040326BB5 Init KK
Date sampled 4-12-04
Start Time End Time Init xliu
Pump # Volume
ATD p- 2
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title DCC 121103STD-3 ID# 2855
Type: Supelco AT ID # C011205 IS: d8-toluene gas
Batch# 040326BB6 Init KK
Date sampled 4-12-04
Start Time End Time Init xliu
Pump # Volume
ATD p- 3
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

itle Phase I TEST 43 Pop #27 TEST ID# 2845
ype: Supelco AT ID # C010558 IS: d8-toluene gas
atch# 040326A2 Init KK
ate sampled 5 APR 04
tart Time ____ End Time ____ Init A
ump # N/A Volume ____
ATD p- 4
omments: field blank
lows: ____ BP: ____ Temp: ____

tle Phase I TEST 43 Pop#27 TEST 2 ID# 2846
ype: Supelco AT ID # D015844 IS: d8-toluene gas
atch# 040326A3 Init KK
ate sampled 5 APR 2004
art Time 1550 End Time 1555 Init A
ump # 1 Volume ____
ATD p- 5
omments: BKG
ows: ____ BP: ____ Temp: ____

Phase I Test 43 Pop#27 TEST 2 ID# 2841
e: Supelco AT ID # C010006 IS: d8-toluene gas
h# 040325BBB4 Init KK
sampled 5 APR 2004
Time 1600 End Time 1602 Init A
p # 1 Volume ____
ATD p- 6
ments: QC Popping
: ____ BP: ____ Temp: ____

Phase I TEST 43 Pop#27 TEST 4D# 2842
e: Supelco AT ID # C09179 IS: d8-toluene gas
ch# 040325BBB5 Init KK
e sampled 5 APR 2004
t Time 1600 End Time 1602 Init A
p # 2 Volume ____
ATD p- 7
ments: Popping (Duplicate)
s: ____ BP: ____ Temp: ____

Phase I TEST 43 Pop#27 TEST 2 ID# 2843
e: Supelco AT ID # C010794 IS: d8-toluene gas
ch# 040325BBB6 Init KK
e sampled 5 APR 04
t Time 1604 End Time 1606 Init A
p # 1 Volume ____
ATD p- 8
nments: Open
ws: ____ BP: ____ Temp: ____

Title Phase I Test 44 ID# 2848
Type: Supelco AT ID # C012037 IS: d8-toluene gas
Batch# 040326A5 Init KK
Date sampled 7 APR 2004
Start Time ____ End Time ____ Init KK
Pump # ____ Volume ____
ATD p- 9
Comments: FLD BLK
Flows: ____ BP: ____ Temp: ____

Title Phase I TEST 44 ID# 2849
Type: Supelco AT ID # D015791 IS: d8-toluene gas
Batch# 040326A6 Init KK
Date sampled 9 APR 2004
Start Time 1443 End Time 1448 Init KK
Pump # 15LM Volume ____
ATD p- 10
Comments: Background
Flows: ____ BP: ____ Temp: ____

Title Phase I TEST 44 ID# 2850
Type: Supelco AT ID # D017606 IS: d8-toluene gas
Batch# 040326B1 Init KK
Date sampled 9 APR 2004
Start Time 1457 End Time 1459 Init KK
Pump # 15LM Volume ____
ATD p- 11
Comments: POPPING
Flows: ____ BP: ____ Temp: ____

Title Phase I TEST 44 ID# 2851
Type: Supelco AT ID # C03278 IS: d8-toluene gas
Batch# 040326B2 Init KK
Date sampled 9 APR 2004
Start Time 1501 End Time 1503 Init KK
Pump # 15LM Volume ____
ATD p- 12
Comments: OPENING
Flows: ____ BP: ____ Temp: ____

Title Phase I TEST 44 ID# 2852
Type: Supelco AT ID # D017401 IS: d8-toluene gas
Batch# 040326B3 Init KK
Date sampled 9 APR 2004
Start Time 1501 End Time 1503 Init KK
Pump # 15LM Volume ____
ATD p- 13
Comments: OPENING MACLO
Flows: ____ BP: ____ Temp: ____

20040414.S

Title d8-toluene check ID# 2853
Type: Supelco AT ID # _____ IS: d8-toluene gas
Batch# 040326B4 Init KK
Date sampled _____
Start Time _____ End Time _____ Init Xlin
Pump # _____ Volume _____
ATD p- 1
Comments: QC
Flows: _____ BP: _____ Temp: _____

Title DCC120803STDB-3 ID# 2847
Type: Supelco AT ID # D016805 IS: d8-toluene gas
Batch# 040326A4 Init KK
Date sampled 4-14-04
Start Time _____ End Time _____ Init Xlin
Pump # _____ Volume _____
ATD p- 2
Comments: QC spiked 2ul 10ml/min 2mins
Flows: _____ BP: _____ Temp: _____

Title DCC121103STD-3 ID# 2844
Type: Supelco AT ID # D016004 IS: d8-toluene gas
Batch# 040326A1 Init KK
Date sampled 4-14-04
Start Time _____ End Time _____ Init Xlin
Pump # _____ Volume _____
ATD p- 3
Comments: spiked 2ul 10ml/min 2mins
Flows: _____ BP: _____ Temp: _____

Title Phase I test 45 ID# 2860
Type: Supelco AT ID # L010290 IS: d8-toluene gas
Batch# 040413A5 Init KK
Date sampled 14 APR 2004
Start Time 845 End Time _____ Init KK
Pump # NA Volume _____
ATD p- 4
Comments: FLD BLK
Flows: _____ BP: _____ Temp: _____

Title Phase I test 45 ID# 2856
Type: Supelco AT ID # 001756 IS: d8-toluene gas
Batch# 040413A1 Init KK
Date sampled 14 APR 2004
Start Time 832 End Time _____ Init KK
Pump # 1SLM CH3 Volume _____
ATD p- 5
Comments: POPCORN 27 Test 2 BKG
Flows: _____ BP: _____ Temp: _____

Title Phase I test 45 ID# 2857
Type: Supelco AT ID # 001555 IS: d8-toluene gas
Batch# 040413A2 Init KK
Date sampled 14 APR 2004
Start Time 850 End Time 852 Init KK
Pump # 1SLM CH3 Volume _____
ATD p- 6
Comments: Popcorn 27 Test 2 Popping
Flows: _____ BP: _____ Temp: _____

Title Phase I test 45 ID# 2858
Type: Supelco AT ID # C012780 IS: d8-toluene gas
Batch# 040413A3 Init KK
Date sampled 14 APR 2004
Start Time 854 End Time 856 Init KK
Pump # 1SLM CH3 Volume _____
ATD p- 7
Comments: Popcorn 27 Test 2 OPEN
Flows: _____ BP: _____ Temp: _____

Title Phase I test 45 ID# 2859
Type: Supelco AT ID # D014679 IS: d8-toluene gas
Batch# 040413A4 Init KK
Date sampled 14 APR 2004
Start Time 854 End Time 856 Init KK
Pump # 1SLM CH2 Volume _____
ATD p- 8
Comments: Popcorn 27 Test 2 OPEN DUP
Flows: _____ BP: _____ Temp: _____

Title Phase I test 46 ID# 2862
Type: Supelco AT ID # 040413B1 IS: d8-toluene gas
Batch# 001749B Init KK
Date sampled 14 APR 2004
Start Time 1303 End Time 1308 Init KK
Pump # 1SLM CH3 Volume _____
ATD p- 9
Comments: BKG Popcorn 44 #1
Flows: _____ BP: _____ Temp: _____

Title Phase I test 46 ID# 2863
Type: Supelco AT ID # D018559 IS: d8-toluene gas
Batch# 040413B2 Init KK
Date sampled 14 APR 2004
Start Time 1310 End Time 1312 Init KK
Pump # 1SLM CH4 Volume _____
ATD p- 10
Comments: POPPING Popcorn #44 Test 1
Flows: _____ BP: _____ Temp: _____

itle Phase1 Test 46 ID# 2864
ype: Supelco AT ID # D017493 IS: d8-toluene gas
atch# 040413B3 Init KK
ate sampled 14 APR 2004
tart Time 1314 End Time 1316 Init KK
ump # 15LM C43 Volume
ATD p- 11
omments: OPEN Popcorn 44 Test 1
lows: BP: Temp:

Title Phase1 Test 47 ID# 2865
Type: Supelco AT ID # D015768 IS: d8-toluene gas
Batch# 040413B4 Init KK
Date sampled 14 APR 2004
Start Time 1618 End Time 1620 Init KK
Pump # 15LM Volume
ATD p- 34
Comments: Back Ground Popcorn 44 #2
lows: BP: Temp:

itle Phase1 Test 47 ID# 2866
ype: Supelco AT ID # C06122 IS: d8-toluene gas
atch# 040413B5 Init KK
ate sampled 14 APR 2004
tart Time 1623 End Time 1625 Init KK
ump # 15LM Volume
ATD p- 35
omments: Pop Popcorn #44 test 2
ows: BP: Temp:

itle Phase1 Test 47 ID# 2869
ype: Supelco AT ID # C09179 IS: d8-toluene gas
atch# 040413AA2 Init KK
ate sampled 14 APR 2003
tart Time 1627 End Time 1629 Init KK
ump # 15LM Volume
ATD p- 36
omments: Open Popcorn #44 test 2
ows: BP: Temp:

e Phase1 Test 48 ID# 2870
e: Supelco AT ID # D017401 IS: d8-toluene gas
ch# 040413AA3 Init KK
e sampled 15 APR 2004
rt Time End Time Init
mp # N4 Volume
ATD p- 37
nments: FLO BLK
ws: BP: Temp:

Title Phase1 Test 48 ID# 2871
Type: Supelco AT ID # C03278 IS: d8-toluene gas
Batch# 040413AA4 Init KK
Date sampled 15 APR 2004
Start Time 843 End Time 848 Init KK
Pump # 15LM Volume
ATD p- 38
Comments: BKG Popcorn 30 Test 1
Flows: BP: Temp:

Title Phase1 Test 48 ID# 2872
Type: Supelco AT ID # D015077 IS: d8-toluene gas
Batch# 040413AA5 Init KK
Date sampled 15 APR 2004
Start Time 850 End Time 852 Init KK
Pump # 15LM Volume
ATD p- 39
Comments: PURGING Popcorn 30 Test 1
Flows: BP: Temp:

Title Phase1 Test 48 ID# 2873
Type: Supelco AT ID # D017419 IS: d8-toluene gas
Batch# 040413AA6 Init KK
Date sampled 15 APR 2004
Start Time 854 End Time 856 Init KK
Pump # 15LM C43 Volume
ATD p- 40
Comments: OPEN Popcorn 30 Test 1
Flows: BP: Temp:

Title DCC 120503STD B-3 ID# 2890
Type: Supelco AT ID # C010555 IS: d8-toluene gas
Batch# 040414B5 Init KK
Date sampled 4-15-04
Start Time End Time Init Xhu
Pump # Volume
ATD p- 6
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title DCC 121103STD-3 ID# 2891
Type: Supelco AT ID # C011205 IS: d8-toluene gas
Batch# 040414B6 Init KK
Date sampled 4-15-04
Start Time End Time Init Xhu
Pump # Volume
ATD p- 7
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Phase1 Test 47 ID# 2861
Type: Supelco AT ID # D017551 IS: d8-toluene gas
Batch# 040413A6 Init KK
Date sampled 15 APR 2004
Start Time 1219 End Time 1224 Init KK
Pump # 15LM Volume
ATD p- 8
Comments: QC BKG Popcorn #30 Test 2
Flows: BP: Temp:

Title Phase1 Test 49 ID# 2867
Type: Supelco AT ID # C010204 IS: d8-toluene gas
Batch# 040413B6 Init KK
Date sampled 15 APR 2004
Start Time 1227 End Time 1229 Init KK
Pump # 15LM Volume
ATD p- 9
Comments QC Popping Popcorn 30 Test 2
Flows: BP: Temp:

Title Phase1 Test 49 ID# 2868
Type: Supelco AT ID # D017606 IS: d8-toluene gas
Batch# 040413AA1 Init KK
Date sampled 15 APR 2004
Start Time 1231 End Time 1233 Init KK
Pump # 15LM Volume
ATD p- 10
Comments: QC Opening Popcorn 30 Test 2
Flows: BP: Temp:

Title Phase1 Test 50 ID# 2875
Type: Supelco AT ID # ~~C010204~~ D015284 IS: d8-toluene gas
Batch# 040413BB2 Init KK
Date sampled 1616 15 APR 2004
Start Time 1616 End Time 1621 Init
Pump # 15LM Volume
ATD p- 26
Comments: BKG Popcorn 47 Test 1
Flows: BP: Temp:

Title Phase1 Test 50 ID# 2878
Type: Supelco AT ID # C012030 IS: d8-toluene gas
Batch# 040413BB5 Init KK
Date sampled 15 APR 2004
Start Time 1424 End Time 1429 Init KK
Pump # 15LM Volume
ATD p- 29
Comments: Open Popcorn 47 Test 1
Flows: BP: Temp:

Title Phase1 Test 50 ID# 2877
Type: Supelco AT ID # C010794 IS: d8-toluene gas
Batch# 040413BB4 Init KK
Date sampled 15 APR 2004
Start Time 1624 End Time 1626 Init KK
Pump # 1000SLCM Volume
ATD p- 28
Comments: Popping Duplicate Popcorn 47 Test 1
Flows: BP: Temp:

Title Phase1 Test 50 ID# 2876
Type: Supelco AT ID # C010101 IS: d8-toluene gas
Batch# 040413BB3 Init KK
Date sampled 15 APR 2004
Start Time 1628 End Time 1630 Init KK
Pump # 15LM Volume
ATD p- 27
Comments: Popping Popcorn 47 Test 1
Flows: BP: Temp:

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Title Cal041604STD-1A ID# 3005
Type: SupelcoAT ID # D015152 IS: d8-toluene gas
Batch# 040415AA6 Init xlin
Date sampled 4-16-04
Start Time End Time
Pump # Volume Init xlin
ATD p- 2
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal041604STD-1B ID# 3000
Type: SupelcoAT ID # D015251 IS: d8-toluene gas
Batch# 040415AA1 Init xlin
Date sampled 4-16-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 3
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title DCC 120803STD-3
Type: Supelco AT ID # C09179 IS: d8-toluene gas
Batch# 04042182 Init KK
Date sampled 4-21-04
Start Time ____ End Time ____ Init xliu
Pump # ____ Volume ____
ATD p- 9
Comments: spiked 2ml 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 51 Pop #47 Run2 ID# 2882
Type: Supelco AT ID # D016058 IS: d8-toluene gas
Batch# 040414A3 Init ____
Date sampled 16 APR 2004
Start Time 1350 End Time 1352 Init A
Pump # 1 Volume ____
ATD p- 13
Comments: OPEN
Flows: ____ BP: ____ Temp: ____

Title DCC 121103STD-3 ID# 2913
Type: Supelco AT ID # D017401 IS: d8-toluene gas
Batch# 04042184 Init KK
Date sampled 4-21-04
Start Time ____ End Time ____ Init xliu
Pump # ____ Volume ____
ATD p- 10
Comments: spiked 2ml 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 52 ID# 2883
Type: Supelco AT ID # D016171 IS: d8-toluene gas
Batch# 040414A4 Init KK
Date sampled 19 APR 2004
Start Time ____ End Time ____ Init KK
Pump # ____ Volume ____
ATD p- 19
Comments: BKG FLD BLK
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 51 Pop #42 Run2 ID# 2879
Type: Supelco AT ID # D018414 IS: d8-toluene gas
Batch# 040414A6 Init ____
Date sampled 16 APR 2004
Start Time — End Time — Init A
Pump # N/A Volume ____
ATD p- 15
Comments: Field Blank
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 52 ID# 2884
Type: Supelco AT ID # D016034 IS: d8-toluene gas
Batch# 040414A5 Init KK
Date sampled 19 APR 2004
Start Time 1328 End Time ____ Init ____
Pump # 15LPM Volume ____
ATD p- 20
Comments: BKG Popcorn 48 Test 1
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 51 Pop #47 Run2 ID# 2880
Type: Supelco AT ID # D017435 IS: d8-toluene gas
Batch# 040414A1 Init KK
Date sampled 16 APR 2004
Start Time 1332 End Time 1337 Init A
Pump # 1 Volume ____
ATD p- 16
Comments: BKGRND
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 48 ID# 2885
Type: Supelco AT ID # C09428 IS: d8-toluene gas
Batch# 040414A6 Init KK
Date sampled 19 APR 2004
Start Time 1351 End Time 1353 Init KN
Pump # 15LPM Volume ____
ATD p- 21
Comments: POPPING POPCORN #48 Test 1
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 51 Pop #47 Run2 ID# 2881
Type: Supelco AT ID # C01010 IS: d8-toluene gas
Batch# 040414A2 Init ____
Date sampled 16 APRIL 2004
Start Time 1346 End Time 1348 Init A
Pump # 1 Volume ____
ATD p- 17
Comments: QC POP
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 52 ID# 2886
Type: Supelco AT ID # D017296 IS: d8-toluene gas
Batch# 040414B1 Init KK
Date sampled ____
Start Time ____ End Time ____ Init KK
Pump # ____ Volume ____
ATD p- 22
Comments: OPEN POPCORN 48 Test 1
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 53 P48 R2 ID# 2887
Type: Supelco AT ID # D015739 IS: d8-toluene gas
Batch# 040414B2 Init A
Date sampled 4-19-04
Start Time 1635 End Time 1640 Init A
Pump # 1 C Volume C
ATD p- 23
Comments: QC BKG
Flows: BP: Temp:

Title Phase I TEST 53 P48 R2 ID# 2888
Type: Supelco AT ID # C010859 IS: d8-toluene gas
Batch# 040414B3 Init A
Date sampled 4-19-04
Start Time 1635 End Time 1640 Init A
Pump # 2 C Volume C
ATD p- 24
Comments: BKG DUP
Flows: BP: Temp:

Title Phase I Test 53 P48 R2 ID# 2889
Type: Supelco AT ID # D017666 IS: d8-toluene gas
Batch# 040414B4 Init A
Date sampled 4-19-04
Start Time 1641 End Time 1643 Init A
Pump # 1 Volume
ATD p- 25
Comments: Pop
Flows: BP: Temp:

Title Phase I Test 53 P48 R2 ID# 2874
Type: Supelco AT ID # D015781 IS: d8-toluene gas
Batch# 040413B1 C016006 Init A
Date sampled 4-19-04
Start Time 1646 End Time 1648 Init A
Pump # 1 Volume
ATD p- 26
Comments: QC Open
Flows: BP: Temp:

Title Phase I Test 54 P24 R1 ID# 2900
Type: Supelco AT ID # D016511 IS: d8-toluene gas
Batch# 040415B3 Init KK
Date sampled 4/20/04
Start Time End Time Init A
Pump # — Volume
ATD p- 27
Comments: QC Field BLNK
Flows: BP: Temp:

Title Phase I Test 54 P24 R1 ID# 2894
Type: Supelco AT ID # C010325 IS: d8-toluene gas
Batch# 040415A3 Init KK
Date sampled 4/20/04
Start Time 1052 End Time ~~1054~~ 1057 Init A
Pump # 1 Volume
ATD p- 28
Comments: QC BKG
Flows: BP: Temp:

Title Phase I Test 54 P24 R1 ID# 2892
Type: Supelco AT ID # D017662 IS: d8-toluene gas
Batch# 040415A1 Init KK
Date sampled 4/20/04
Start Time 1102 End Time 1104 Init A
Pump # 1 Volume
ATD p- 29
Comments: Pop
Flows: BP: Temp:

Title Phase I Test 54 P24 R1 ID# 2893
Type: Supelco AT ID # D017789 IS: d8-toluene gas
Batch# 040415A2 Init KK
Date sampled 4/20/04
Start Time 1106 End Time 1108 Init A
Pump # 1 Volume
ATD p- 30
Comments: Open
Flows: BP: Temp:

Title Phase I Test 55 ID# 2895
Type: Supelco AT ID # C010104 IS: d8-toluene gas
Batch# 040415A4 Init KK
Date sampled 20 APR 2004
Start Time 1357 End Time Init KK
Pump # 1 SCM Volume
ATD p- 31
Comments: Popcorn 24 run 2 BKG
Flows: BP: Temp:

Title Phase I Test 55 ID# 2896
Type: Supelco AT ID # D015849 IS: d8-toluene gas
Batch# 040415A5 Init KK
Date sampled 20 APR 2004
Start Time 1408 End Time 1410 Init KK
Pump # 1 SCM Volume
ATD p- 32
Comments: Popcorn 24 run 2 Popping
Flows: BP: Temp:

Title Phase I Test 55 ID# 2897
Type: Supelco AT ID # C09294 IS: d8-toluene gas
Batch# 040415A6 Init KK
Date sampled 20 APR 2004
Start Time 1412 End Time 1414 Init KK
Pump # 1 SCM Volume
ATD p- 33
Comments: Popcorn 24 run 2 OPEN
Flows: BP: Temp:

Title Phase I Run 56 ID# 2898
Type: Supelco AT ID # C013038 IS: d8-toluene gas
Batch# 040415B1 Init KK
Date sampled 20 APRIL 2004
Start Time 1620 End Time 1625 Init KK
Pump # 1 SCM Volume
ATD p- 34
Comments: BKGRD Popcorn 32 run 1
Flows: BP: Temp:

Title Phase I Test 56 ID# 2899
Type: Supelco AT ID # D015328 IS: d8-toluene gas
Batch# 040415B2 Init KK
Date sampled 20 APR 2004
Start Time 1631 End Time 1633 Init
Pump # 1 SCM Volume
ATD p- ~~34~~ 35
Comments: Pop Popcorn 32 r1
Flows: BP: Temp:

Title Phase I Test 51 ID# 2901
Type: Supelco AT ID # C012528 IS: d8-toluene gas
Batch# 040415B4 Init KK
Date sampled 20 APR 2004
Start Time 1631 End Time 1633 Init KK
Pump # 1000 SCM Volume
ATD p- 36
Comments: Pop pop Popcorn 32 r1
Flows: BP: Temp:

Title Phase I Test 56 ID# 2902
Type: Supelco AT ID # C09859 IS: d8-toluene gas
Batch# 040415B5 Init KK
Date sampled 20 APR 2004
Start Time 1635 End Time 1637 Init KK
Pump # 1 SCM Volume
ATD p- 37
Comments: OPEN POPCORN 32 r1
Flows: BP: Temp:

Title Phase I Test 57 ID# 2903
Type: Supelco AT ID # C012780 IS: d8-toluene gas
Batch# 040415B6 Init KK
Date sampled 21 APR 2004
Start Time NA End Time Init KK
Pump # NA Volume
ATD p- 38
Comments: i-C6 BLK
Flows: BP: Temp:

Title Phase I Test 57 ID# 2904
Type: Supelco AT ID # C010204 IS: d8-toluene gas
Batch# 040421A1 Init KK
Date sampled 21 APR 2004
Start Time 915 End Time 920 Init KK
Pump # 1 SCM Volume
ATD p- 39
Comments: Popcorn 32 r2 Background
Flows: BP: Temp:

Title Phase I Test 57 ID# 2905
Type: Supelco AT ID # D015373 IS: d8-toluene gas
Batch# 040421A2 Init KK
Date sampled 21 APR 2004
Start Time 923 End Time 925 Init KK
Pump # 1 SCM Volume
ATD p- 40
Comments: Popcorn 32 run 2 Popping
Flows: BP: Temp:

Title Phase I Test 57 ID# 2907
Type: Supelco AT ID # D017557 IS: d8-toluene gas
Batch# 040421A4 Init KK
Date sampled 21 APR 2004
Start Time 927 End Time 929 Init KK
Pump # ~~Popcorn~~ 1 SCM KK Volume
ATD p- 41
Comments: Popcorn 32 run 2 Open
Flows: BP: Temp:

Title DCC120503STDB-3 ID# 2914
Type: Supelco AT ID # C06122 IS: d8-toluene gas
Batch# 040421B5 Init ~~xlin~~ KK
Date sampled 4-21-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 42
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

itle DCC121103STD-3 ID# 2915
ype: Supelco AT ID # 6010794 IS: d8-toluene gas
atch# 040421B6 Init KK
ate sampled 4-21-04
tart Time End Time Init Xliu
ump # Volume
ATD p- 43
omments: spiked 2ml 10ml/min 2mins
lows: BP: Temp:

Title DCC 121103STD-3 ID# 2938
Type: Supelco AT ID # 6010204 IS: d8-toluene gas
Batch# 040423BB5 Init KK
Date sampled 4-26-04
Start Time End Time Init Xliu
Pump # Volume
ATD p- 8
Comments: spiked 2ml 10ml/min 2mins
Flows: BP: Temp:

: IAP-042104ALDRICH-B1 ID# 3054
e: SupelcoAT ID # 105034 IS: d8-toluene gas
ch# 040420BB1 Init Xliu
e sampled 4-21-04
t Time End Time Init Xliu
np # Volume
ATD p- 6
nments: spiked 2ml 10ml/min 2mins
vs: BP: Temp:

Title Phase I Test 58 ID# 2916
Type: Supelco AT ID # D015784 IS: d8-toluene gas
Batch# 040421AA1 Init KK
Date sampled 22 APR 2004
Start Time End Time Init
Pump # NA Volume
ATD p- 11
Comments: FLDBLK
Flows: BP: Temp:

IAP-042104ALDRICH-B2 ID# 3055
: SupelcoAT ID # 104216 IS: d8-toluene gas
n# 040420BB2 Init Xliu
sampled 4-21-04
Time End Time Init Xliu
o # Volume
ATD p- 7
ments: QC spiked 2ml 10ml/min 2mins
s: BP: Temp:

Title SE-EBSCHT1-BKGA ID# 3059
Type: SupelcoAT ID # 103874 IS: d8-toluene gas
Batch# 040420BB6 Init Xliu
Date sampled 042604
Start Time 13:04 End Time 13:53 Init
Pump # T1 Volume
ATD p- 30
Comments:
Flows: 166.9, 167.6, 166.7 BP: 1000.5 Temp: 23.5

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DCC 041604STD-3 ID# 3053
e: SupelcoAT ID # D014646 IS: d8-toluene gas
ch# 040420AA6 Init Xliu
e sampled 4-26-04
t Time End Time Init Xliu
ip # Volume
ATD p- 2
ments: spiked 2ml 10ml/min 2mins
's: BP: Temp:

Title SE-EBSCHT1-SKG15 ID# 3058
Type: SupelcoAT ID # D014690 IS: d8-toluene gas
Batch# 040420BB5 Init Xliu
Date sampled 042604
Start Time 13:04 End Time 13:53 Init
Pump # T2 Volume
ATD p- 32
Comments:
Flows: 167.9, 168, 167.7 BP: 1000.5 Temp: 23.5

tle DCC120803STDB-3 ID# 2939
ype: Supelco AT ID # D010849 IS: d8-toluene gas
atch# 0426 23BB6 Init KK
ate sampled 4-26-04
tart Time End Time Init Xliu
ump # Volume
ATD p- 7
omments: spiked 2ml 10ml/min 2mins
lows: BP: Temp:

Title Phase I Test 58 ID# 2908
Type: Supelco AT ID # 6010181 IS: d8-toluene gas
Batch# 040421A5 Init KK
Date sampled 22APR2004
Start Time 855 End Time 900 Init KK
Pump # 156 M Volume
ATD p- 12
Comments: Popcorn 17 BKG
Flows: BP: Temp:

Title Phase I Test 60 ID# 2909
Type: Supelco AT ID # C010557 IS: d8-toluene gas
Batch# 040421A6 Init K 2
Date sampled 22 APR 2004
Start Time 9:17 End Time 9:19 Init KK
Pump # 15 L/m Volume
ATD p- 13
Comments: Popcorn 17 Run 1 Popping
Flows: BP: Temp:

Title SE EBSCHTI - 1.2 HR H ID# 3063
Type: SupelcoAT ID # D013645 IS: d8-toluene gas
Batch# 040422 AA Init XLin
Date sampled 04.27.04
Start Time 12:11 End Time 12:13 Init
Pump # P3 Volume 0.0917L ET 1.32 Hr
ATD p- 50
Comments:
Flows: 48.8 48.9, 48.8 BP: 1000.2 Temp: 22.6

Title Phase I Test 58 ID# 2910
Type: Supelco AT ID # D017498 IS: d8-toluene gas
Batch# 040421B1 Init
Date sampled 22 APR 2004
Start Time End Time Init
Pump # 15 L/m Volume
ATD p- 14
Comments: Popcorn 17 Run 1 Open
Flows: BP: Temp:

Title Phase I Test 59 ID# 2920
Type: Supelco AT ID # D017566 IS: d8-toluene gas
Batch# 040421AA5 Init KK
Date sampled 22 APR 2004
Start Time 1124 End Time 1126 Init KK
Pump # 15 L/m Volume
ATD p- 16
Comments: Popping Popcorn 17 r2
Flows: BP: Temp:

Title Phase I Test 59 ID# 2918
Type: Supelco AT ID # C012030 IS: d8-toluene gas
Batch# 040421HA3 Init KK
Date sampled 22 APR 2004
Start Time 1113 End Time 1118 Init KK
Pump # 15 L/m Volume
ATD p- 15
Comments: Popcorn 17 r1 BILG
Flows: BP: Temp:

Title Phase I Test 59 ID# 2921
Type: Supelco AT ID # D015557 IS: d8-toluene gas
Batch# 040421HA6 Init KK
Date sampled 22 APR 2004
Start Time 1128 End Time 1130 Init KK
Pump # 15 L/m Volume
ATD p- 17
Comments: Popcorn 17 run 2 Open
Flows: BP: Temp:

Title SE-EBSCHTI - 0.2 Hr ID# 3056
Type: SupelcoAT ID # D014076 IS: d8-toluene gas
Batch# 040420BB3 Init XLin
Date sampled 042704
Start Time 10:58 End Time 10:03:04 Init
Pump # P4 Volume
ATD p- 32
Comments:
Flows: 102.8, 102.2 102.7 BP: 1000.3 Temp: 22.73

Title Phase I Test 59 ID# 2922
Type: Supelco AT ID # D014479 IS: d8-toluene gas
Batch# 040421BB1 Init KK
Date sampled 22 APR 2004
Start Time 1126 End Time 1130 Init KK
Pump # Leak Volume
ATD p- 18
Comments: Popcorn 17 run 2 Open Dup
Flows: BP: Temp:

Title SE EBSCHTI - 1 Hr ID# 3052
Type: SupelcoAT ID # D014479 IS: d8-toluene gas
Batch# 040420AA5 Init XLin
Date sampled 042704
Start Time 11:52 End Time 11:54 Init
Pump # P3 Volume 0.2022L ET 1.00
ATD p- 38
Comments:
Flows: 102.1 101.8 BP: 1000.2 Temp: 22.6

Title Phase I Test 60 ID# 2906
Type: Supelco AT ID # D017606 IS: d8-toluene gas
Batch# 040421A3 Init KK
Date sampled 23 APR 2004
Start Time NA End Time Init KK
Pump # NA Volume
ATD p- 19
Comments: QC FCD BLK
Flows: BP: Temp:

tle Phase1 Test 60 ID# 2910
ype: Supelco AT ID # D017493 IS: d8-toluene gas
atch# 040421AA4 Init KK
ate sampled 23 APR 2004
tart Time 1220 End Time 1225 Init KK
ump # 15LM Volume
ATD p- 20
omments: QC Popcorn 49 run1 BKG
lows: BP: Temp:

Type: Supelco AT ID # D017004 IS: d8-toluene gas
Batch# 040421BB5 Init XL
Date sampled 23 APR 2004
Start Time 1537 End Time 1539 Init
Pump # 15LM Volume
ATD p- 25
Comments: Popcorn 49 run 2 Open
Flows: BP: Temp:

e Phase1 Test 60 ID# 2912
e: Supelco AT ID # 003279 IS: d8-toluene gas
ch# 040421B3 Init KK
e sampled 24 APR 2004
t Time 1230 End Time 1232 Init KK
np # 15LM Volume
ATD p- 21
nments: QC Popcorn 49 run1 Popping
vs: BP: Temp:

Title DCC 041604STD-3 ID# 3111
Type: SupelcoAT ID # 004477 IS: d8-toluene gas
Batch# 040426BB6 Init XLiu
Date sampled 4-27-04
Start Time End Time Init XLiu
Pump # Volume
ATD p- 35
Comments: spiked 2ml 10ml/min 2mins
Flows: BP: Temp:

Phase1 Test 60 ID# 2923
e: Supelco AT ID # D016905 IS: d8-toluene gas
h# 040421BB2 Init KK
sampled 23 APR 2004
Time 1234 End Time 1236 Init KK
15LM Volume
ATD p- 22
nents: Popcorn 49 run1 Opening
BP: Temp:

Title SE EBSCHTI - 0.5HR ID# 3057
Type: SupelcoAT ID # D014909 IS: d8-toluene gas
Batch# 040420BB4 Init XLiu
Date sampled 042704
Start Time 11:20 End Time 11:25 Init MDR
Pump # P4 Volume CV - 0.50L ET 0.49HR
ATD p- 36
Comments:
Flows: 101.7, 101.9, 101.6 BP: 1000.2 Temp: 22.7

Phase1 Test 61 ID# 2924
e: Supelco AT ID # D015760 IS: d8-toluene gas
h# 040421BB3 Init KK
sampled 23 APR 04
t Time 1521 End Time Init KK
p # 15LM Volume
ATD p- 23
nments: Popcorn 49 run2 BKG
vs: BP: Temp:

Title SE EBSCHTI - 0.8HR ID# 3060
Type: SupelcoAT ID # D015778 IS: d8-toluene gas
Batch# 040422A1 Init XLiu
Date sampled 042704
Start Time 11:40 End Time 11:45 Init MDR
Pump # P4 Volume CV 0.50L ET 0.82HR
ATD p- 37
Comments:
Flows: 101.5, 102.3, 102.2 BP: 1000.2 Temp: 22.6

tle Phase1 Test 61 ID# 2925
ype: Supelco AT ID # D015074 IS: d8-toluene gas
atch# 040421BB4 Init KK
ate sampled 23 APR 2004
tart Time 1533 End Time 1535 Init KK
ump # 15LM Volume
ATD p- 24
omments: QC Popcorn 49 run2 Popping
lows: BP: Temp:

Title SE EBSCHTI - 1.2Hr B ID# 3062
Type: SupelcoAT ID # 003132 IS: d8-toluene gas
Batch# 040422A3 Init XLiu
Date sampled 042704
Start Time 12:11 End Time 12:13 Init MDR
Pump # P4 Volume CV 0.100 ET 1.32 HR
ATD p- 39
Comments:
Flows: 50.3, 50.6, 50.7 BP: Temp:

itle DCC 041604STD-3 ID# 3144
ype: SupelcoAT ID # D014646 IS: d8-toluene gas
atch# 040427BBB3 Init xlin
ate sampled 4-30-04
tart Time ____ End Time ____ Init xlin
ump # ____ Volume ____
ATD p- 28
omments: spiked 2ul 10ml/min 2mins
lows: ____ BP: ____ Temp: ____

Title SE-EBSCHT1-FB#4 ID# 3143
Type: SupelcoAT ID # D023549 IS: d8-toluene gas
Batch# 040427BBB2 Init xlin
Date sampled 4-30-04
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
ATD p- 37
Comments: ____
Flows: ____ BP: ____ Temp: ____

e SE-EBSCHT1-70HR ID# 3139
pe: SupelcoAT ID # D025492 IS: d8-toluene gas
tch# 040427AAA4 Init Xlin
te sampled 4-30-04
rt Time 8:54:38 End Time 9:44:38 Init Xlin
mp # P2 Volume ____
ATD p- 33
mments: ____
ws: 160.7, 160, 160.1 BP: 1014.3 Temp: 23.53

Title DCC120803STDB-3 ID# 2949
Type: Supelco AT ID # C012780 IS: d8-toluene gas
Batch# 040426BBB4 Init KK
Date sampled 4-30-04
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
ATD p- 38
Comments: QC spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

e SE-EBSCHT1-71HRA ID# 3140
pe: SupelcoAT ID # D014076 IS: d8-toluene gas
tch# 040427AAA5 Init Xlin
te sampled 4-30-04
rt Time 9:52:05 End Time 10:42:05 Init Xlin
mp # P2 Volume ____
ATD p- 34
mments: ____
ws: 161.9, 161.4, 161.6 BP: 1014.1 Temp: 23.58

Title DCC121103STD-3 ID# 2943
Type: Supelco AT ID # D016058 IS: d8-toluene gas
Batch# 040426AAA4 Init KK
Date sampled 4-30-04
Start Time ____ End Time ____ Init xlin
Pump # ____ Volume ____
ATD p- 39
Comments: QC spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

le SE-EBSCHT1-71HRB ID# 3141
pe: SupelcoAT ID # D023641 IS: d8-toluene ga
itch# 040427AAA6 Init xlin
ate sampled 4-30-04
art Time 9:52:01 End Time 10:42:01 Init Xlin
imp # P1 Volume ____
ATD p- 35
omments: ____
ows: 161.4, 161.6, 161.1 BP: 1014.1 Temp: 23.58

Title Phase1 Test 62 ID# 2932
Type: Supelco AT ID # C010101 IS: d8-toluene gas
Batch# ~~040101~~ KL 040423AA5 Init KK
Date sampled 27 APR 2004
Start Time ____ End Time ____ Init KK
Pump # N4 Volume ____
ATD p- 40
Comments: FLO BLK
Flows: ____ BP: ____ Temp: ____

e SE-EBSCHT1-72HR ID# 3142
e: SupelcoAT ID # D03874 IS: d8-toluene gas
ch# 040427BBB1 Init xlin
e sampled 4-30-04
rt Time 10:52:01 End Time 11:42:01 Init xlin
np # P1 Volume ____
ATD p- 36
mments: QC
ws: 161.1, 160.6, 161.1 BP: 1013.9 Temp: 23.63

Title PHASE1 TEST 62 ID# 2929
Type: Supelco AT ID # D017401 IS: d8-toluene gas
Batch# 040423AA2 Init KK
Date sampled 27 APR 2004
Start Time 905 End Time 910 Init KK
Pump # 15L m Volume ____
ATD p- 41
Comments: BKG popping 50 x 1
Flows: ____ BP: ____ Temp: ____

Title Phase I Test 62 ID# 2930
Type: Supelco AT ID # D016511 IS: d8-toluene gas
Batch# AAJ 040423 Init KK
Date sampled 27 APR 2004
Start Time 915 End Time 917 Init KK
Pump # 1SCM Volume
Comments: Popping Popcorn 50 r1 ATD p- 42
Flows: BP: Temp:
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Title Phase I Test 63 ID# 2928
Type: Supelco AT ID # C013073 IS: d8-toluene gas
Batch# 040423AA1 Init KK
Date sampled 27 APR 2004
Start Time 1200 End Time 1209 Init KK
Pump # 1SCM Volume
Comments: QC BKG ATD p- 44
Flows: BP: Temp:

Title Phase I Test 63 ID# 2934
Type: Supelco AT ID # C012528 IS: d8-toluene gas
Batch# 040323BB1 Init KK
Date sampled 27APR2004
Start Time 1204 End Time 1209 Init KK
Pump # 1000SCM Volume
Comments: QC BKG DUP ATD p- 45
Flows: BP: Temp:

Title Phase I Test 63 ID# 2933
Type: Supelco AT ID # C09284 IS: d8-toluene gas
Batch# 040423 AA6 Init KK
Date sampled 27 APR 2004
Start Time 1214 End Time 1216 Init KK
Pump # 1SCM Volume
Comments: Pop Popcorn 50 r2 ATD p- 46
Flows: BP: Temp:

Title Phase I Test 63 ID# 2935
Type: Supelco AT ID # D017551 IS: d8-toluene gas
Batch# 040423 BB2 Init KK
Date sampled 27APR2004
Start Time 1219 End Time 1220 Init KK
Pump # 1SCM Volume
Comments: Open Popcorn 50 r2 ATD p- 47
Flows: BP: Temp:

Title Phase I Test 62 ID# 2931
Type: Supelco AT ID # C010794 IS: d8-toluene gas
Batch# 040423 AA4 Init KK
Date sampled 27 APR 2004
Start Time 919 End Time 921 Init KK
Pump # 1SCM Volume
Comments: OPEN Popcorn 50 run1 ATD p- 43
Flows: BP: Temp:

Title Phase I Test 64 ID# 2936
Type: Supelco AT ID # D017662 IS: d8-toluene gas
Batch# 040423BB3 Init KK
Date sampled 27 APR 2004
Start Time 1653 End Time 1658 Init KK
Pump # 1SCM Volume
Comments: BKG Popcorn 51 r1 ATD p- 48
Flows: BP: Temp:

Title Phase I Test 64 ID# 2937
Type: Supelco AT ID # C06122 IS: d8-toluene gas
Batch# 040423BB4 Init KK
Date sampled 27 APR 2004
Start Time 1703 End Time 1705 Init KK
Pump # 1SCM Volume
Comments: Popping Popcorn 51 run1 ATD p- 49
Flows: BP: Temp:

Title Phase I Test 67 ID# 2940
Type: Supelco AT ID # C09428 IS: d8-toluene gas
Batch# 040426 AA1 Init KK
Date sampled 27APR 2004
Start Time End Time Init KK
Pump # 1SCM Volume
Comments: Open Popcorn 51 run1 ATD p- 50
Flows: BP: Temp:

Title Phase I Test 65 PSI R2 ID# 2948
Type: Supelco AT ID # D018559 IS: d8-toluene gas
Batch# 040426BB3 Init KK
Date sampled 4/28/04
Start Time 1617:00 End Time 1619:10 Init
Pump # 2 Volume
Comments: Open Duplicate SIM-Telomer ATD p- 40
Flows: BP: Temp:

itle DCC120803STDD-3 ID# 2947
ype: Supelco AT ID # D017435 IS: d8-toluene gas
atch# 040426BBB2 Init KK
ate sampled 5-3-04
tart Time ____ End Time ____ Init xliu
ump # ____ Volume ____
ATD p- 41
omments: spiked 2ul 10ml/min 2mins
ows: ____ BP: ____ Temp: ____

e DCC 120803STD -3 ID# 2950
e: Supelco AT ID # C09859 IS: d8-toluene gas
ch# 040426BBB5 Init KK
e sampled 5-3-04
rt Time ____ End Time ____ Init xliu
np # ____ Volume ____
ATD p- 42
nments: spiked 2ul 10ml/min 2mins
ws: ____ BP: ____ Temp: ____

itle Phase I Test 65 PSI R2 ID# 2945
ype: Supelco AT ID # C09179 IS: d8-toluene gas
atch# 040426AAA6 Init KK
ate sampled 4/28/04
tart Time ____ End Time ____ Init KK
ump # — Volume ____
ATD p- ____
omments: Field Blank
ows: ____ BP: ____ Temp: ____

Phase I Test 65 PSI R2 ID# 2941
e: Supelco AT ID # D015323 IS: d8-toluene gas
ch# 040426AAA2 Init KK
e sampled 4/28/04
t Time 1605 End Time 1630 Init KK
np # 1 Volume ____
ATD p- 2
nments: BKG
s: ____ BP: ____ Temp: ____

Phase I Test 65 PSI R2 ID# 2942
: Supelco AT ID # D010325 IS: d8-toluene gas
h# 040426AAA3 Init KK
sampled 4/28/04
Time 1613 End Time 1615 Init KK
p # 1 Volume ____
ATD p- 3
ments: POP
s: ____ BP: ____ Temp: ____

Title Phase I Test 65 PSI R2 ID# 2944
Type: Supelco AT ID # D017789 IS: d8-toluene gas
Batch# 040426AAA5 Init KK
Date sampled 4/28/04
Start Time 1617:00 End Time 1619:10 Init KK
Pump # 1 Volume ____
ATD p- 4
Comments: Open
Flows: ____ BP: ____ Temp: ____

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Title DCC 041604STD-3 ID# 3146
Type: SupelcoAT ID # D023559 IS: d8-toluene gas
Batch# 040427BBB5 Init xliu
Date sampled 5-10-04
Start Time ____ End Time ____ Init xliu
Pump # ____ Volume ____
ATD p- 2
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title SE-EBSCHT1-Post/Inlet A ID# 3145
Type: SupelcoAT ID # D014690 IS: d8-toluene gas
Batch# 040427BBB4 Init xliu
Date sampled 5-10-04
Start Time 3:23:2 End Time 3:24:20 Init xliu
Pump # P4 Volume ____
ATD p- 3
Comments:
Flows: 51.44, 51.51, 51.25 BP: 1000.9 Temp: 22.48

Title SE-EBSCHT1-Post/Inlet B ID# 3129
Type: SupelcoAT ID # D027692 IS: d8-toluene gas
Batch# 040427AAA6 Init xliu
Date sampled 5-10-04
Start Time 3:25 End Time 3:26 Init xliu
Pump # P4 Volume ____
ATD p- 4
Comments: 12C
Flows: 51.44, 51.51, 51.25 BP: 1000.9 Temp: 22.48

Title DCC 120803STDB-3 ID# 2960
Type: Supelco AT ID # ~~D018559~~ C010749 IS: d8-toluene gas
Batch# 040510B1 Init KK
Date sampled 5-10-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 19
Comments: spiked 2ml 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 121103STD-3 ID# 2962
Type: Supelco AT ID # D018559 IS: d8-toluene gas
Batch# 040510B7 Init KK
Date sampled 5-10-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 20
Comments: spiked 2ml 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

20040512.5

Title DCC 041604STD-3 ID# 3135
Type: SupelcoAT ID # D025089 IS: d_8-toluene gas
Batch# 040427BB6 Init Xliu
Date sampled 5-12-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 2
Comments: QC spiked 2ml 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Perm oven - A - 040512 ID# 3148
Type: SupelcoAT ID # C04947 IS: d_8-toluene gas
Batch# 040512A1 Init Xliu
Date sampled 040512
Start Time ____ End Time ____ Init NR
Pump # 51 Volume 2mL
ATD p- 3
Comments: hand syringe pump
Flows: ____ BP: ____ Temp: ____

Title Perm Oven - B 040512 ID# 3149
Type: SupelcoAT ID # D014678 IS: d_8-toluene gas
Batch# 040512A2 Init Xliu
Date sampled 040512
Start Time ____ End Time ____ Init NR
Pump # 51 Volume 2mL
ATD p- 4
Comments: syringe pump
Flows: ____ BP: ____ Temp: ____

20040513.5

Title DCC 041604STD-3 ID# 3156
Type: SupelcoAT ID # C03851 IS: d_8-toluene gas
Batch# 040512B3 Init Xliu
Date sampled 5-13-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 2
Comments: QC
Flows: ____ BP: ____ Temp: ____

Title Permoven Outlet MFC - A ID# 3150
Type: SupelcoAT ID # C04607 IS: d_8-toluene gas
Batch# 040512A3 Init Xliu
Date sampled 051304
Start Time 13:53 End Time 13:54 Init NR
Pump # P4 Volume ____
ATD p- 3
Comments: QC
Flows: 10.6, 10.7, 10.77 BP: 1011.7 Temp: 22.93

Title Permoven Outlet MFC - B ID# 3151
Type: SupelcoAT ID # D025507 IS: d_8-toluene gas
Batch# 040512A4 Init Xliu
Date sampled 051304
Start Time 13:57 End Time 13:58 Init NR
Pump # P4 Volume ____
ATD p- 4
Comments: ____
Flows: 10.6, 10.7, 10.72 BP: 1011.8 Temp: 22.98

Title DCC 120803STDB-3 ID# 2964
Type: Supelco AT ID # C06122 IS: d8-toluene gas
Batch# 040510A1 Init KK
Date sampled 5-13-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 5
Comments: spiked 2ml 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 121103STD-3 ID# 2965
Type: Supelco AT ID # C08859 IS: d8-toluene gas
Batch# 040510A2 Init KK
Date sampled 5-13-04
Start Time ____ End Time ____ Init Xliu
Pump # ____ Volume ____
ATD p- 6
Comments: QC spiked 2ml 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Pem Oven Outlet Syringe B ID# 3186
Type: SupelcoAT ID # D023496 IS: d8-toluene gas
Batch# 040519A3 Init
Date sampled
Start Time End Time Init
Pump # Syringe 2 Volume 2mL
ATD p- 48
Comments:
Flows: BP: Temp:

Title Cal 052004STD-1A ID# 2966
Type: Supelco AT ID # C09429 IS: d8-toluene gas
Batch# 040510A3 Init KK
Date sampled 5-21-04
Start Time End Time Init Xliu
Pump # Volume
ATD p- 49
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-1B ID# 2967
Type: Supelco AT ID # C09679 IS: d8-toluene gas
Batch# 040510A4 Init KK
Date sampled 5-21-04
Start Time End Time Init Xliu
Pump # Volume
ATD p- 50
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-1C ID# 2968
Type: Supelco AT ID # D015074 IS: d8-toluene gas
Batch# 040510A5 Init KK
Date sampled 5-21-04
Start Time End Time Init ~~KK~~ Xliu
Pump # Volume
ATD p- 1
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-2A ID# 2978
Type: Supelco AT ID # D017051 IS: d8-toluene gas
Batch# 040513B3 Init KK
Date sampled 5-21-04
Start Time End Time Init Xliu
Pump # Volume
ATD p- 2
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-2B ID# 2979
Type: Supelco AT ID # D017066 IS: d8-toluene gas
Batch# 040513B4 Init KK
Date sampled 5-21-04
Start Time End Time Init Xliu
Pump # Volume
ATD p- 3
Comments: QC spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-2C ID# 2980
Type: Supelco AT ID # C010325 IS: d8-toluene gas
Batch# 040513B5 Init KK
Date sampled 5-21-04
Start Time End Time Init Xliu
Pump # Volume
ATD p- 4
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-3A ID# 2975
Type: Supelco AT ID # C010794 IS: d8-toluene gas
Batch# 040513A5 Init KK
Date sampled 5-21-04
Start Time End Time Init Xliu
Pump # Volume
ATD p- 5
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-3B ID# 2976
Type: Supelco AT ID # D014679 IS: d8-toluene gas
Batch# 040513A6 B1 Init KK
Date sampled 5-21-04
Start Time End Time Init Xliu
Pump # Volume
ATD p- 6
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-3C ID# 2977
Type: Supelco AT ID # D016004 IS: d8-toluene gas
Batch# 040513B2 Init KK
Date sampled 5-21-04
Start Time End Time Init Xliu
Pump # Volume
ATD p- 7
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

e Cal 052004 STD-4A ID# 2972
pe: Supelco AT ID # 0012780 IS: d8-toluene gas
tch# 04051343 Init KK
te sampled 5-21-04
art Time ____ End Time ____ Init Xlin
mp # ____ Volume ____
ATD p- 8
mments: spiked 2ul 10ml/min 2mins
ows: ____ BP: ____ Temp: ____

e Cal 052004 STD-4B ID# 2973
pe: Supelco AT ID # 0017406 IS: d8-toluene gas
tch# 040513AU Init KK
te sampled 5-21-04
art Time ____ End Time ____ Init Xlin
mp # ____ Volume ____
ATD p- 9
mments: 0 L spiked 2ul 10ml/min 2mins
ows: ____ BP: ____ Temp: ____

e Cal 052004 STD-4C ID# 2974
pe: Supelco AT ID # C010101 IS: d8-toluene gas
tch# 040513A45 Init KK
te sampled 5-21-04
art Time ____ End Time ____ Init Xlin
mp # ____ Volume ____
ATD p- 10
mments: spiked 2ul 10ml/min 2mins
ows: ____ BP: ____ Temp: ____

itle Cal 052004 STD-5A ID# 2969
ype: Supelco AT ID # C013038 IS: d8-toluene gas
atch# 040510A6 Init KK
ate sampled 5-21-04
tart Time ____ End Time ____ Init Xlin
ump # ____ Volume ____
ATD p- 11
omments: spiked 2ul 10ml/min 2mins
lows: ____ BP: ____ Temp: ____

e Cal 052004 STD-5B ID# 2970
pe: Supelco AT ID # D016805 IS: d8-toluene gas
ch# 040513A1 Init KK
e sampled 5-21-04
rt Time ____ End Time ____ Init Xlin
np # ____ Volume ____
ATD p- 12
nments: spiked 2ul 10ml/min 2mins
ws: ____ BP: ____ Temp: ____

Title Cal 052004 STD-5C ID# 2971
Type: Supelco AT ID # 0013278 IS: d8-toluene gas
Batch# 040513A2 Init KK
Date sampled 5-21-04
Start Time ____ End Time ____ Init Xlin
Pump # ____ Volume ____
ATD p- 13
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 052004STD-3 ID# 2981
Type: Supelco AT ID # C012030 IS: d8-toluene gas
Batch# 040513B6 Init KK
Date sampled 5-21-04
Start Time ____ End Time ____ Init Xlin
Pump # ____ Volume ____
ATD p- 14
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

20040524.S

Title DCC 051904STD-3 ID# 3177
Type: SupelcoAT ID # D024143 IS: d8-toluene gas
Batch# 040518A6 Init ____
Date sampled 5/24/04
Start Time ____ End Time ____ Init Xlin
Pump # ____ Volume ____
ATD p- 1
Comments: 12C spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Permeven Outlet C ID# 3187
Type: SupelcoAT ID # D027705 IS: d8-toluene gas
Batch# 040519A3 Init ____
Date sampled 5-24-04
Start Time 13:57:4 End Time ____ Init NR
Pump # ____ Volume ____
ATD p- 2
Comments: 1.5min
Flows: 15.71, 15.69, 15.73 BP: 1002.3 Temp: 22.98

Title Permeven Outlet D ID# 3188
Type: SupelcoAT ID # C04607 IS: d8-toluene gas
Batch# 040519A5 Init ____
Date sampled 5-24-04
Start Time 13:55:0 End Time ____ Init NR
Pump # ____ Volume ____
ATD p- 3
Comments: 1.5 min
Flows: 15.71, 15.69, 15.73 BP: 1002.3 Temp: 22.98

Title PermOven Outlet E with heating tube ID# 3189
Type: SupelcoAT ID # D015804 IS: d8-toluene gas
Batch# 040519 A6 Init
Date sampled
Start Time End Time Init NR
Pump # Volume
ATD p- 4
Comments: 16.39, 16.50, 16.48
Flows: BP: 1002 hPa Temp: 22.48 °C

Title PermOven Outlet F with heating tube ID# 3182
Type: SupelcoAT ID # D014909 IS: d8-toluene gas
Batch# 040518 B5 Init
Date sampled
Start Time End Time Init NR
Pump # Volume
ATD p- 5
Comments: 1.5 min
Flows: 16.45, 16.51, 16.54 BP: 1002 hPa Temp: 22.48 °C

20040525.S

Title DCC 051904STD-3 ID# 3183
Type: SupelcoAT ID # C03851 IS: d8-toluene gas
Batch# 040518 B6 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 2
Comments: QC spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Chamber Inlet A ID# 3190
Type: SupelcoAT ID # D014973 IS: d8-toluene gas
Batch# 040519 B1 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # P4 Volume
ATD p- 3
Comments: QC 1min
Flows: 30.7, 30.7, 30.4 BP: 999.5 Temp: 21.63

Title Chamber Inlet B ID# 3191
Type: SupelcoAT ID # D023597 IS: d8-toluene gas
Batch# 040519 B2 Init
Date sampled
Start Time End Time Init NR
Pump # P4 Volume
ATD p- 4
Comments: 1min
Flows: 30.7, 30.7, 30.4 BP: 999.5 Temp: 21.63

Title Cal 052004STD-1A ID# 2982
Type: Supelco AT ID # C012528 IS: d8-toluene gas
Batch# 040520 AA1 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 7
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-1B ID# 2983
Type: Supelco AT ID # D015323 IS: d8-toluene gas
Batch# 040520AA2 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 8
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-1C ID# 2984
Type: Supelco AT ID # D017435 IS: d8-toluene gas
Batch# 040520AA3 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 9
Comments: QC spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-2A ID# 2985
Type: Supelco AT ID # D017662 IS: d8-toluene gas
Batch# 040520 AA4 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 10
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004 STD-2B ID# 2986
Type: Supelco AT ID # D016511 IS: d8-toluene gas
Batch# 040520AA5 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 10
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004 STD-2C ID# 2987
Type: Supelco AT ID # C09859 IS: d8-toluene gas
Batch# 040520AA6 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 12
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004 STD-3A ID# 2988
Type: Supelco AT ID # C06122 IS: d8-toluene gas
Batch# 040520BB1 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 13
Comments: spiked 2ul 10ml/min 2mins
spiking syringe not rinsed.
Flows: BP: Temp:

Title Cal 052004 STD-3AA → D015781 ID# 2993
Type: Supelco AT ID # ~~C09244~~ IS: d8-toluene gas
Batch# 040520BB6 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 14
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004 STD-3B ID# 2989
Type: Supelco AT ID # D016058 IS: d8-toluene gas
Batch# 040520BB2 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 15
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004 STD-3C ID# 2990
Type: Supelco AT ID # D018559 IS: d8-toluene gas
Batch# 040520BB3 Init
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 16
Comments: QC spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004 STD-4A ID# 2994
Type: Supelco AT ID # D014679 IS: d8-toluene gas
Batch# 040524AA1 Init BD
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 17
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004 STD-4B ID# 2996
Type: Supelco AT ID # D017566 IS: d8-toluene gas
Batch# 040524AA3 Init BD
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 18
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004 STD-4C ID# 2997
Type: Supelco AT ID # C010794 IS: d8-toluene gas
Batch# 040524AA4 Init BD
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 19
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004 STD-5A ID# 2998
Type: Supelco AT ID # D016805 IS: d8-toluene gas
Batch# 040524AA5 Init BD
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 20
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004 STD-5B ID# 2999
Type: Supelco AT ID # C010326 IS: d8-toluene gas
Batch# 040524AA6 Init BD
Date sampled 5-25-04
Start Time End Time Init xlin
Pump # Volume
ATD p- 21
Comments: spiked 2ul 10ml/min 2mins
Flows: BP: Temp:

Title Cal 052004STD-5C ID# 4000
Type: Supelco AT ID # C010101 IS: d8-toluene gas
Batch# 040524BB1 Init BD
Date sampled 5-25-04
Start Time ____ End Time ____ Init Xlin
Pump # ____ Volume ____
ATD p- 22
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Cal 052004STD-4CC ID# 4004
Type: Supelco AT ID # C012780 IS: d8-toluene gas
Batch# 040524BB5 Init BD
Date sampled 5-26-04
Start Time ____ End Time ____ Init Xlin
Pump # ____ Volume ____
ATD p- 42
Comments: spiked 2ul 10ml/min 2min
Flows: ____ BP: ____ Temp: ____

Title DCC 052004STD-3 ID# 2991
Type: Supelco AT ID # C09294 IS: d8-toluene gas
Batch# 040520BB4 Init ____
Date sampled 5-25-04
Start Time ____ End Time ____ Init Xlin
Pump # ____ Volume ____
ATD p- 23
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 051904STD-3 ID# 3192
Type: SupelcoAT ID # D027319 IS: d8-toluene gas
Batch# 040519B3 Init ____
Date sampled 5-26-04
Start Time ____ End Time ____ Init Xlin
Pump # ____ Volume ____
ATD p- 43
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title DCC 052004STD-3 ID# 2992
Type: Supelco AT ID # C010959 IS: d8-toluene gas
Batch# 040520BB5 Init ____
Date sampled 5-25-04
Start Time ____ End Time ____ Init BD
Pump # ____ Volume ____
ATD p- 24
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Chamber Inlet Hand pump C ID# 3193
Type: SupelcoAT ID # C05966 IS: d8-toluene gas
Batch# 040519B4 Init ____
Date sampled 5-26-04
Start Time ____ End Time ____ Init ~~Xlin~~ NR
Pump # ____ Volume ____
ATD p- 44
Comments: 50ml, pump leak checked, good
Flows: ____ BP: ____ Temp: ____

Title Cal 052004STD-1BB ID# 4002
Type: Supelco AT ID # C013038 IS: d8-toluene gas
Batch# 040524BB3 Init BD
Date sampled 5-26-04
Start Time ____ End Time ____ Init Xlin
Pump # ____ Volume ____
ATD p- 40
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Chamber Inlet Hand pump D ID# 3194
Type: SupelcoAT ID # D015111 IS: d8-toluene gas
Batch# 040519B5 Init ____
Date sampled 5-26-04
Start Time ____ End Time ____ Init NR
Pump # ____ Volume ____
ATD p- 45
Comments: 50ml. pump leak checked good
Flows: ____ BP: ____ Temp: ____

Title Cal 052004STD-2BB ID# 4003
Type: Supelco AT ID # D017606 IS: d8-toluene gas
Batch# 040524BB4 Init BD
Date sampled 5-26-04
Start Time ____ End Time ____ Init Xlin
Pump # ____ Volume ____
ATD p- 41
Comments: spiked 2ul 10ml/min 2mins
Flows: ____ BP: ____ Temp: ____

Title Syringe Chamber Inlet E ID# 3195
Type: SupelcoAT ID # C04447 IS: d8-toluene gas
Batch# 040519B6 Init ____
Date sampled 5-26-04
Start Time ____ End Time ____ Init NR
Pump # ____ Volume ____
ATD p- 46
Comments: 2ml
Flows: ____ BP: ____ Temp: ____

Chamber Inlet Syringe F ID# 3196
e: SupelcoAT ID # D023859 IS: d_8-toluene gas
h# 040520A1 Init
sampled 5-26-04
Time End Time Init NR
p # Volume
ATD p- 47
ments: 2ml

s: BP: Temp:

Chamber Inlet MFC G ID# 3198
e: SupelcoAT ID # C04570 IS: d_8-toluene gas
h# 040520A3 Init
sampled 5-26-04
t Time End Time Init NR
p # 4 Volume 2.08 min
ATD p- 48
ments:

vs: 34.34.1, 33.95 BP: 996.3 Temp: 22.58

Chamber Inlet MFC H ID# 3199
e: SupelcoAT ID # D023382 IS: d_8-toluene gas
h# 040520A4 Init
sampled 5-26-04
Time End Time Init NR
p # Volume
ATD p- 49
ments: 2mins

s: ~~34.34~~, 34.1, 33.95 BP: 996.3 Temp: 22.58

le Cal 052004STD-5AA ID# 4005
pe: Supelco AT ID # 0016004 IS: d8-toluene gas
tch# 040524BBi Init GD
te sampled 5-26-04
art Time End Time Init xlin
mp # Volume
ATD p-
mments: spiked 2ul 10ml/min 2mins

ws: BP: Temp: