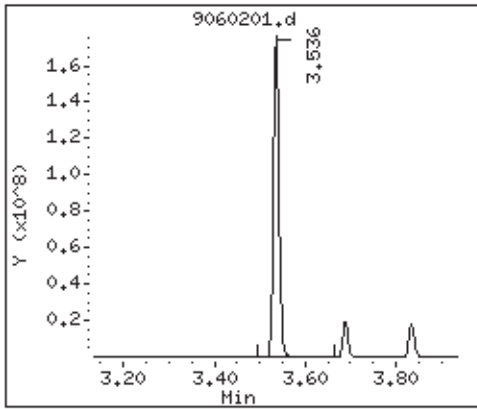
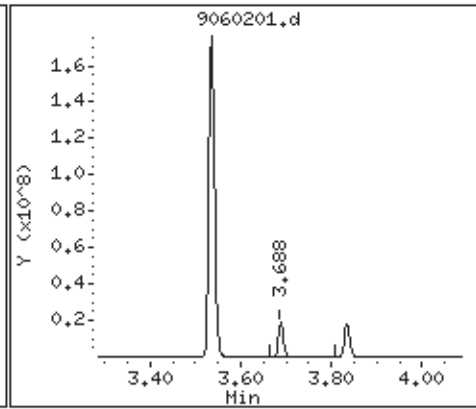


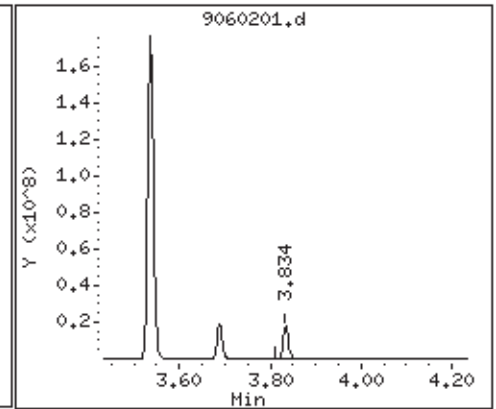
2 Methane



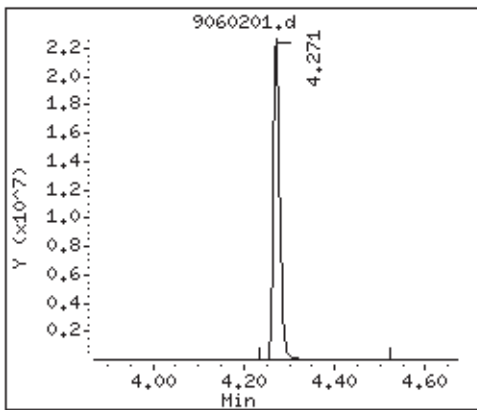
3 ethane



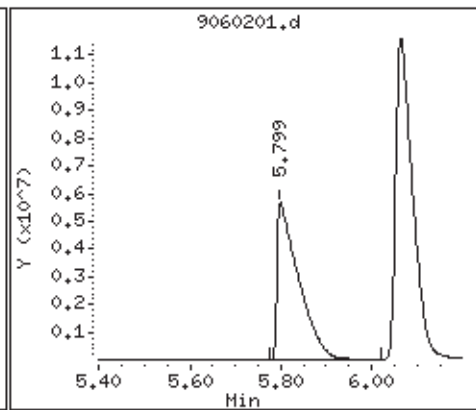
4 ethene



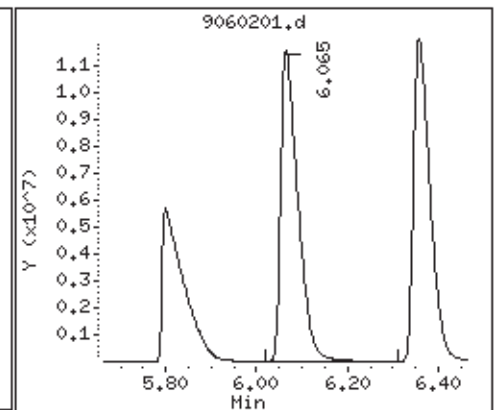
5 propane



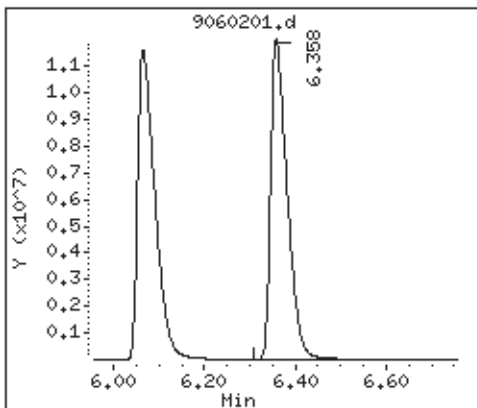
7 acetylene



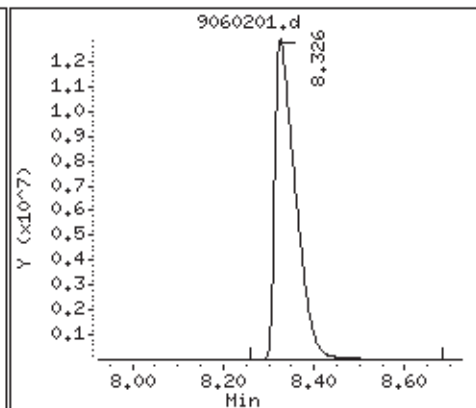
8 iso-butane



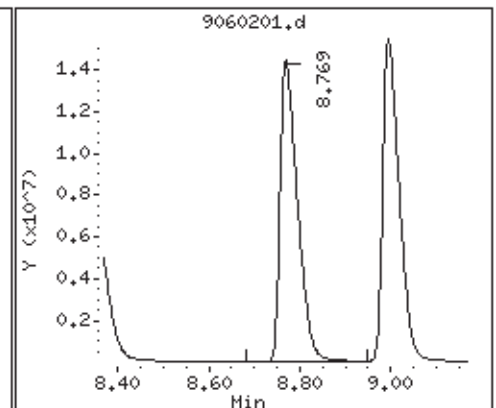
10 n-butane



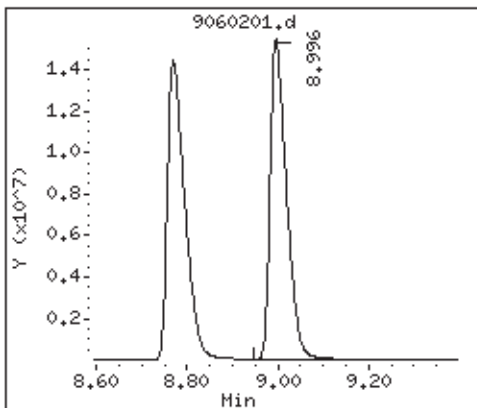
15 neo-pentane



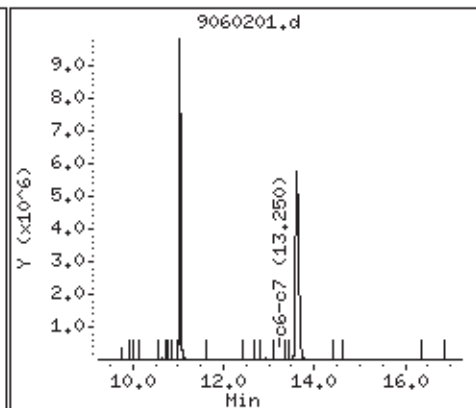
16 isopentane



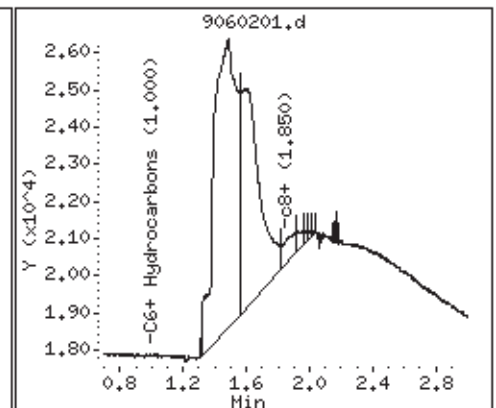
17 pentane



S 22 c6-c7



S 36 c8+



Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc9.i Injection Date: 02-JUN-2010 10:32
Lab File ID: 9060201b.d Init. Cal. Date(s): 17-APR-2010 17-APR-2010
Analysis Type: AIR Init. Cal. Times: 09:26 16:10
Lab Sample ID: 1544-365BNgas Quant Type: ESTD
Method: /chem/gc9.i/02Jun2010.b/910n0430.m/910C0417.m

COMPOUND	RRF / AMOUNT	RF0.000	MIN	RRF	%D / %DRIFT	MAX	CURVE TYPE
3 Carbon Dioxide	550433949	503688788	0.010	8.49242	15.00000	Averaged	
1 Helium	66861269	66665262	0.010	0.29315	15.00000	Averaged	
9 Oxygen	325899096	313606750	0.010	3.77183	15.00000	Averaged	
10 Nitrogen	364890596	341344319	0.010	6.45297	15.00000	Averaged	
12 Carbon Monoxide	283422459	309695864	0.010	-9.27005	15.00000	Averaged	

Air Toxics Ltd.

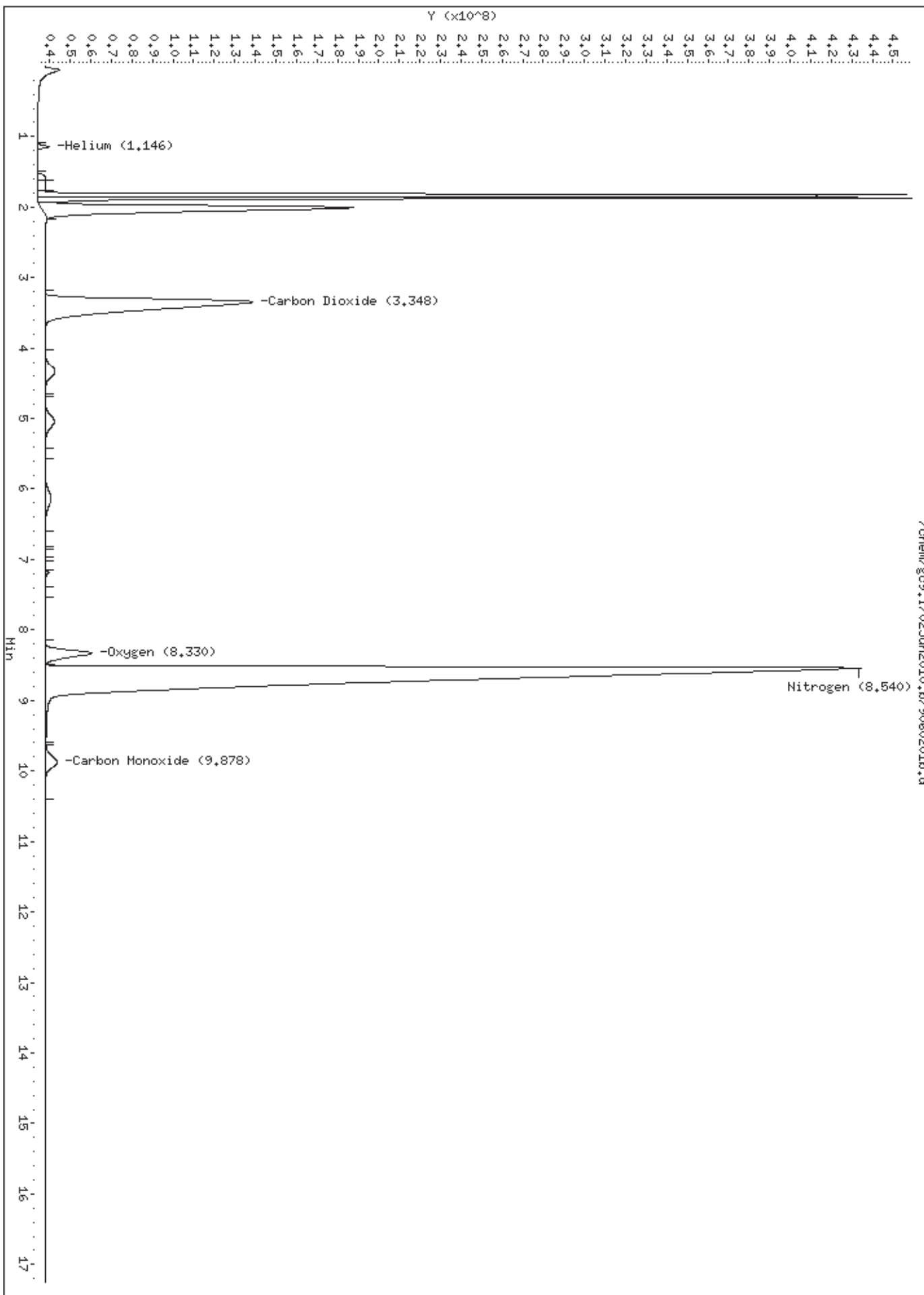
Modified ASTM D-1945

Data file : /chem/gc9.i/02Jun2010.b/9060201b.d
Lab Smp Id: 1544-365BNgas Client Smp ID: CCV
Inj Date : 02-JUN-2010 10:32
Operator : ly Inst ID: gc9.i
Smp Info : 1.0mL,34219
Misc Info : CCV
Comment : GC/TCD
Method : /chem/gc9.i/02Jun2010.b/910n0430.m/910C0417.m
Meth Date : 02-Jun-2010 22:28 lyohanne Quant Type: ESTD
Cal Date : 02-JUN-2010 10:32 Cal File: 9060201b.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ng+He-H2.sub
Target Version: 3.50
Processing Host: eeyore

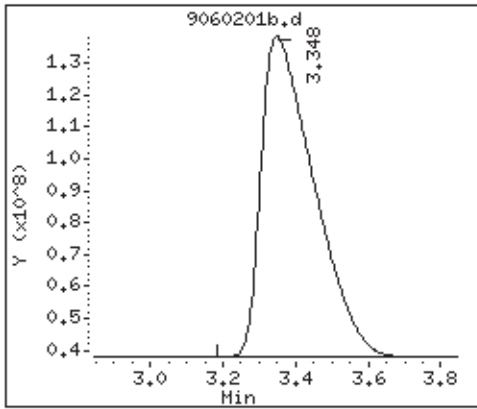
Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

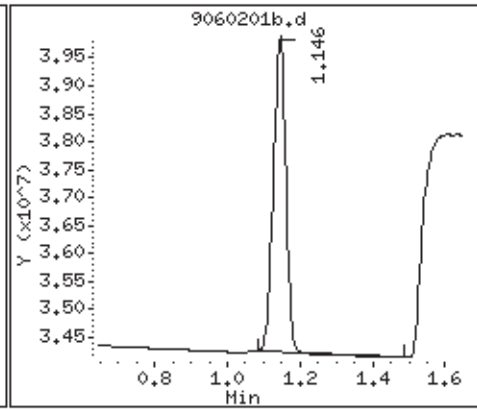
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (%)	ON-COL (%)
3 Carbon Dioxide	3.348	3.348	0.000	5036887880	10.0000	9.15
1 Helium	1.146	1.146	0.000	65798614	0.98700	0.984
9 Oxygen	8.330	8.330	0.000	784016876	2.50000	2.40
10 Nitrogen	8.540	8.540	0.000	24072966764	70.5240	66.0
12 Carbon Monoxide	9.878	9.878	0.000	312792823	1.01000	1.10



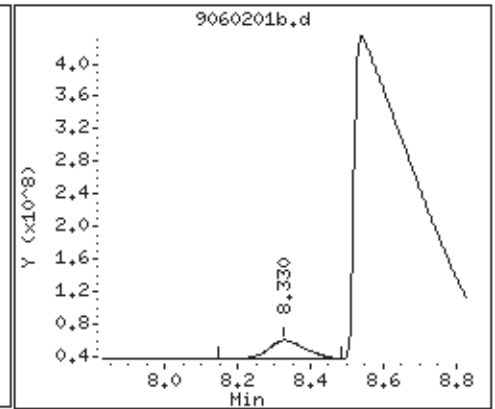
3 Carbon Dioxide



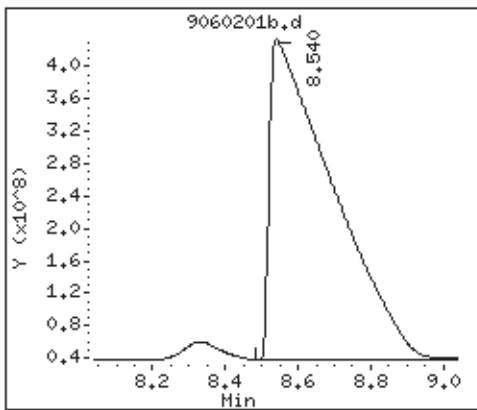
1 Helium



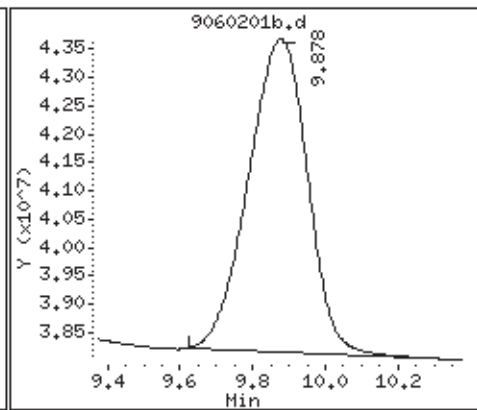
9 Oxygen



10 Nitrogen



12 Carbon Monoxide



Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc9.i Injection Date: 02-JUN-2010 11:04
Lab File ID: 9060202b.d Init. Cal. Date(s): 17-APR-2010 17-APR-2010
Analysis Type: AIR Init. Cal. Times: 09:26 16:10
Lab Sample ID: 1476-977 H2 Quant Type: ESTD
Method: /chem/gc9.i/02Jun2010.b/910n0430.m/910C0417.m

COMPOUND	RRF / AMOUNT	RF0.000	RRF	%D / %DRIFT	MAX	CURVE TYPE
2 Hydrogen	105110654	104354462	0.010	0.71942	15.00000	Averaged

Air Toxics Ltd.

Modified ASTM D-1945

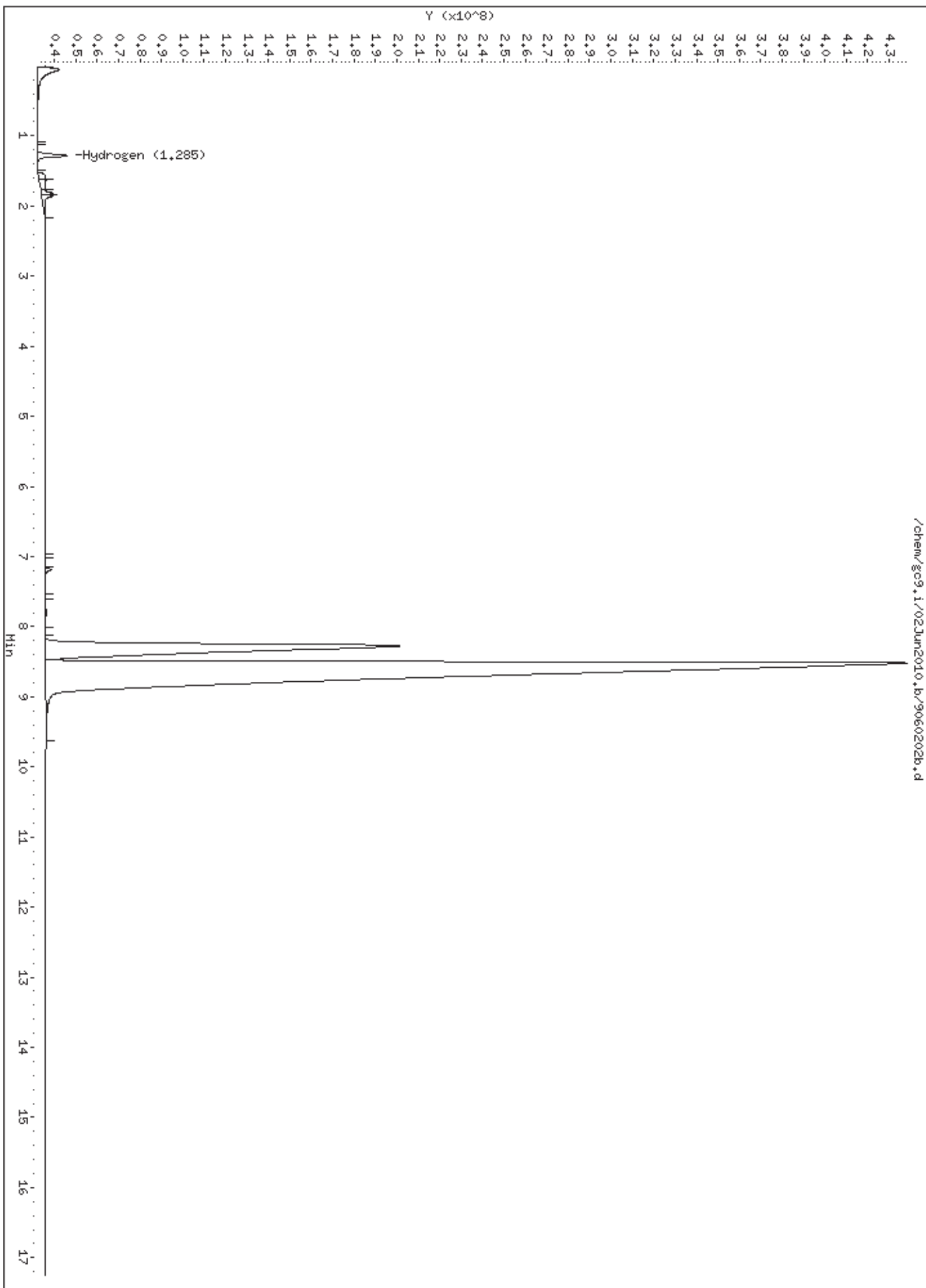
Data file : /chem/gc9.i/02Jun2010.b/9060202b.d
Lab Smp Id: 1476-977 H2 Client Smp ID: CCV
Inj Date : 02-JUN-2010 11:04
Operator : ly Inst ID: gc9.i
Smp Info : 1.0mL,;1476-977 H2;CCV;
Misc Info : CCV
Comment : GC/TCD
Method : /chem/gc9.i/02Jun2010.b/910n0430.m/910C0417.m
Meth Date : 02-Jun-2010 11:22 lyohanne Quant Type: ESTD
Cal Date : 02-JUN-2010 11:04 Cal File: 9060202b.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: h2.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

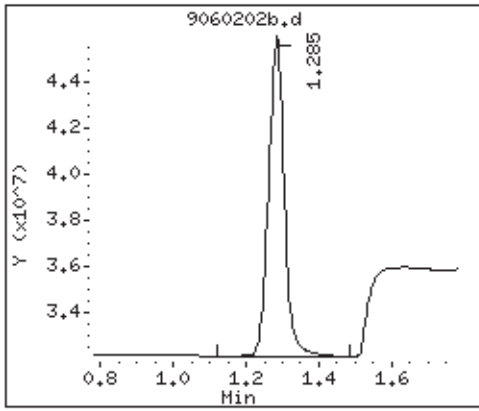
Cpnd Variable

Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (%)	ON-COL (%)
=====	==	=====	=====	=====	=====	
2 Hydrogen	1.285	1.285	0.000	208708924	2.00000	1.98



2 Hydrogen





Client Sample ID: LCS

Lab ID#: 1005453B-18A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9060129	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/1/10 10:32 PM

Compound	%Recovery
Oxygen	99
Nitrogen	100
Carbon Monoxide	100
Methane	100
Carbon Dioxide	100
Ethane	101
Ethene	101
Acetylene	103
Propane	99
Isobutane	100
Butane	98
Neopentane	101
Isopentane	102
Pentane	101
C6+	103
Helium	98

Container Type: NA - Not Applicable

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 01Jun2010
Sample Matrix: GAS Fraction: Atm Gas
Lab Smp Id: 1476-1477 ngas Client Smp ID: LCS
Level: LOW Operator: gd
Data Type: GC DATA SampleType: LCS
SpikeList File: 1476-1477.spk Quant Type: ESTD
Sublist File: ngas.sub
Method File: /chem/gc9.i/01Jun2010.b/910n0430.m
Misc Info: LCS

SPIKE COMPOUND	CONC ADDED %	CONC RECOVERED %	% RECOVERED	LIMITS
2 Methane	9.99	10.0	100.12	85-115
3 ethane	0.498	0.502	100.88	85-115
4 ethene	0.500	0.504	100.82	85-115
5 propane	0.499	0.495	99.23	85-115
7 acetylene	0.500	0.517	103.41	85-115
8 iso-butane	0.500	0.499	99.82	85-115
10 n-butane	0.498	0.491	98.54	85-115
15 neo-pentane	0.510	0.514	100.82	85-115
16 isopentane	0.505	0.513	101.68	85-115
17 pentane	0.503	0.509	101.21	85-115
M 37 C6+ Hydrocarbons	0.516	0.530	102.68	85-115

Air Toxics Ltd.

Modified ASTM-1945 Analysis

Data file : /chem/gc9.i/01Jun2010.b/9060129.d
 Lab Smp Id: 1476-1477 ngas Client Smp ID: LCS
 Inj Date : 01-JUN-2010 22:32
 Operator : gd Inst ID: gc9.i
 Smp Info : 1.0mL,
 Misc Info : LCS
 Comment : GC FID
 Method : /chem/gc9.i/01Jun2010.b/910n0430.m
 Meth Date : 01-Jun-2010 08:01 lyohanne Quant Type: ESTD
 Cal Date : 01-JUN-2010 07:39 Cal File: 9060101.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP Genie Compound Sublist: ngas.sub
 Target Version: 3.50
 Processing Host: eeyore

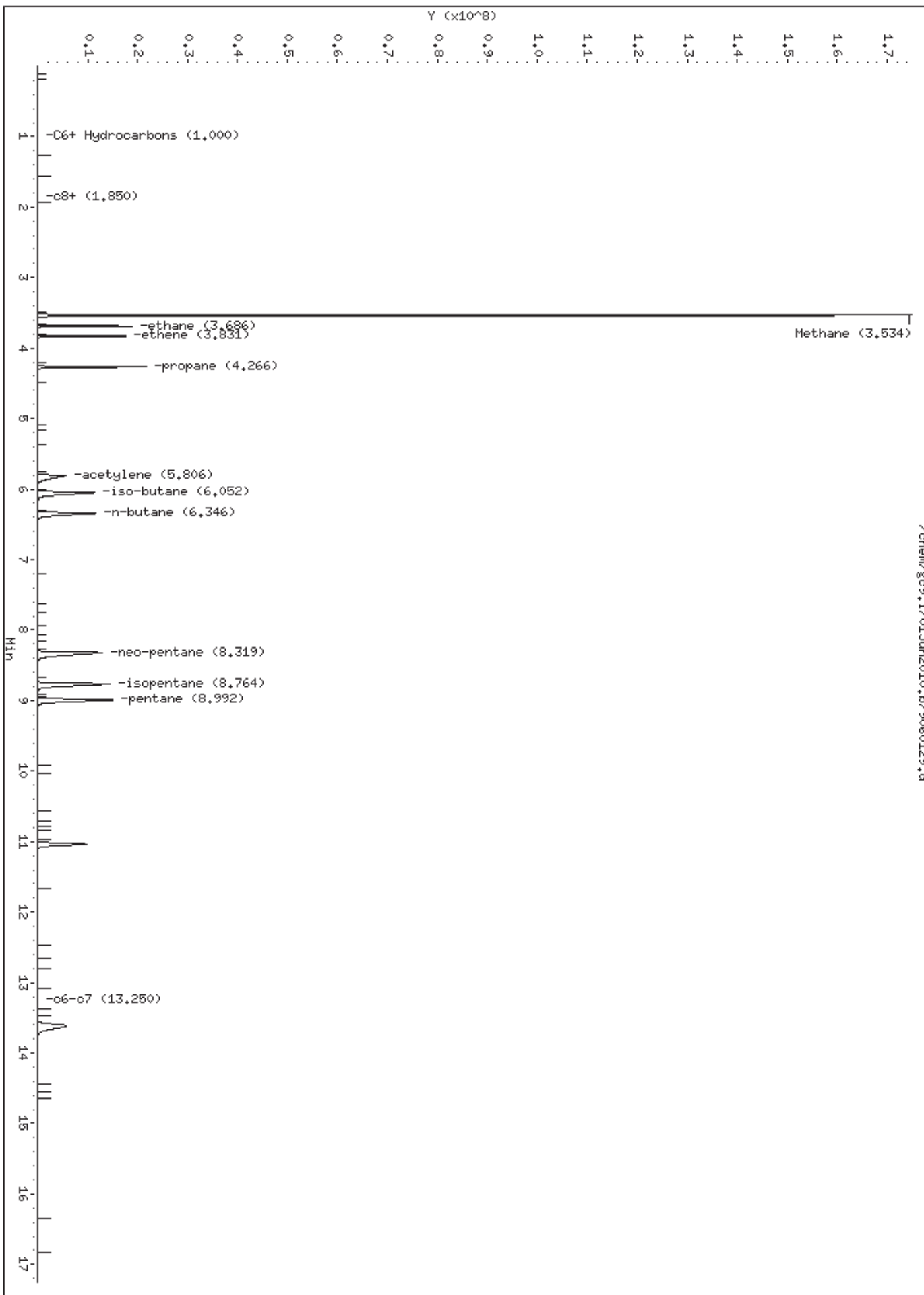
Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

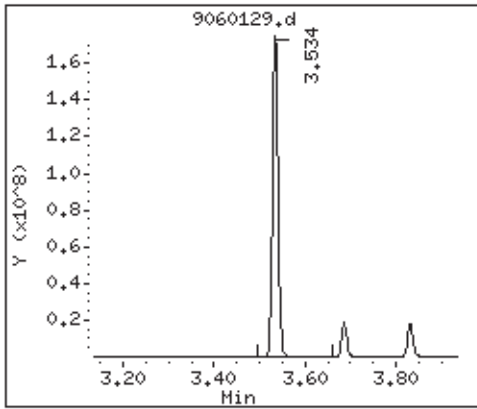
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (%)	FINAL (%)
2 Methane	3.534	3.536	-0.002	1515344714	10.0019	10.0
3 ethane	3.686	3.689	-0.003	148938617	0.50240	0.502
4 ethene	3.831	3.834	-0.003	147442781	0.50408	0.504
5 propane	4.266	4.272	-0.006	221937042	0.49514	0.495
7 acetylene	5.806	5.797	0.009	190951251	0.51703	0.517(A)
8 iso-butane	6.052	6.067	-0.015	298065506	0.49908	0.499
10 n-butane	6.346	6.360	-0.014	294615480	0.49073	0.491
15 neo-pentane	8.319	8.332	-0.013	406991732	0.51419	0.514(A)
16 isopentane	8.764	8.775	-0.011	384445445	0.51349	0.513
17 pentane	8.992	9.001	-0.009	386073892	0.50910	0.509
M 37 C6+ Hydrocarbons				527803281	0.52982	0.530
S 22 c6-c7	9.250-17.250			526429117	0.52982	0.530
S 36 c8+	0.700-3.000			1374164		(a)

QC Flag Legend

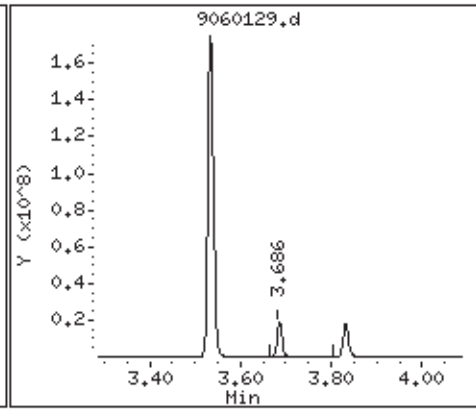
- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.



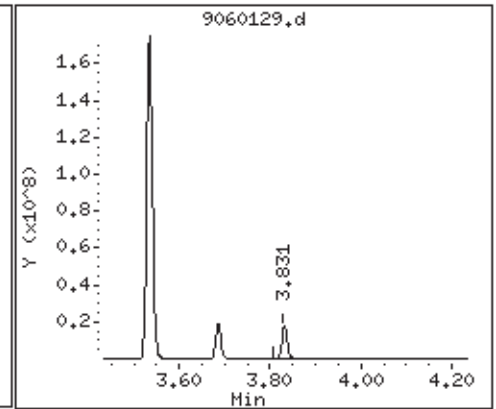
2 Methane



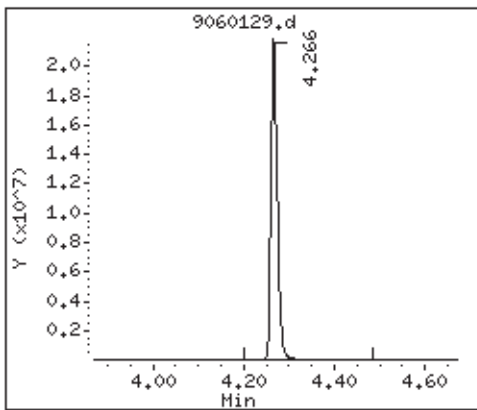
3 ethane



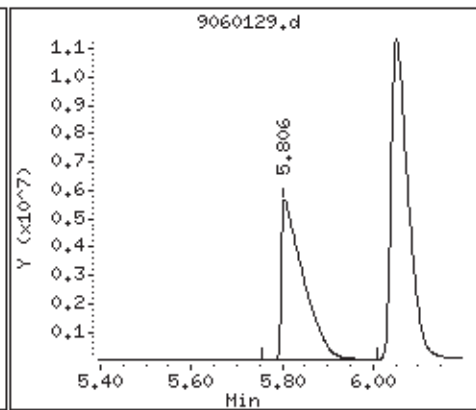
4 ethene



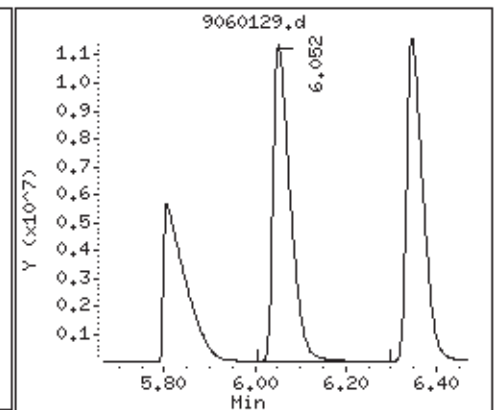
5 propane



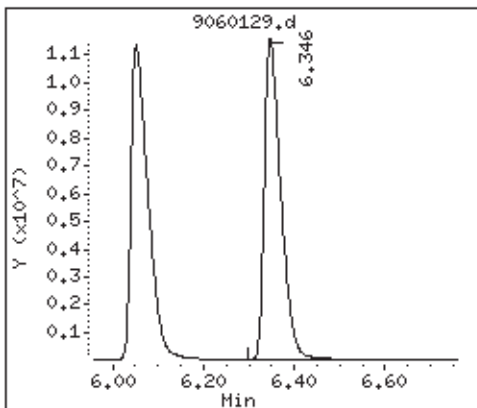
7 acetylene



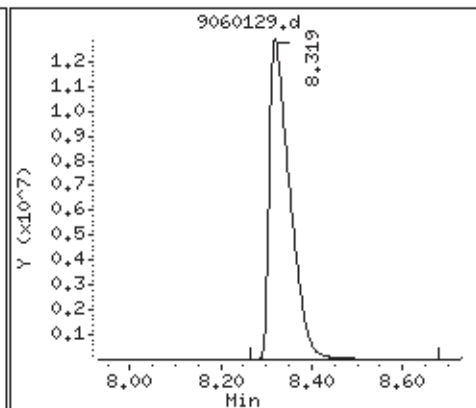
8 iso-butane



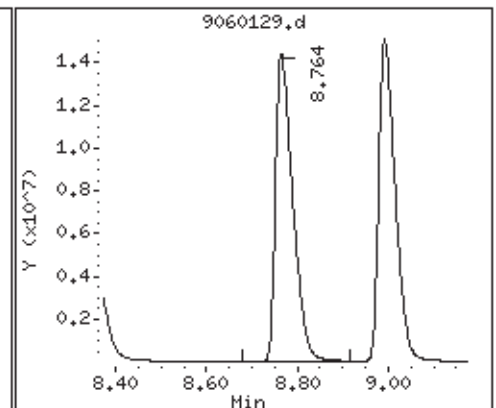
10 n-butane



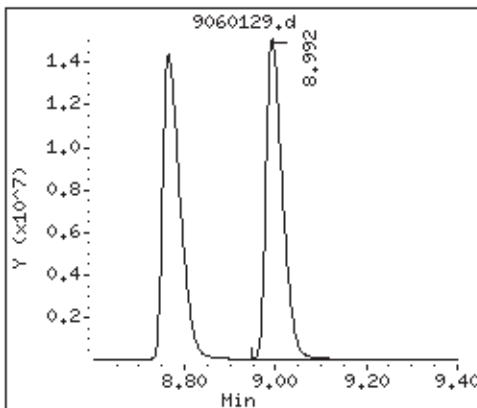
15 neo-pentane



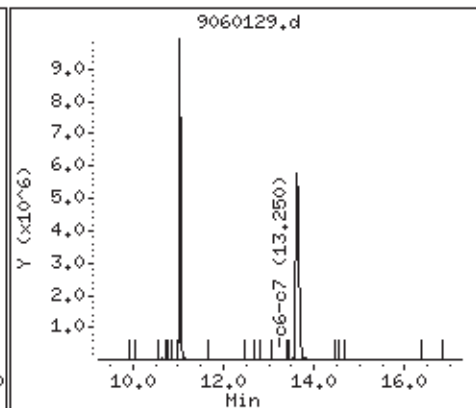
16 isopentane



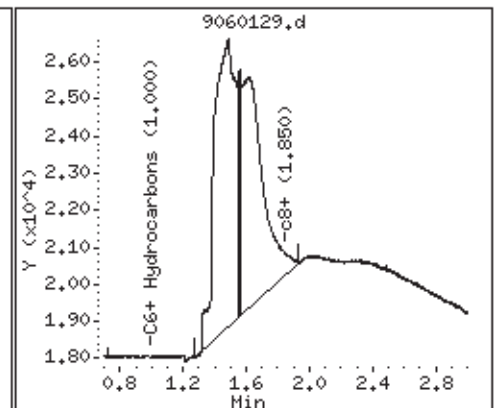
17 pentane



S 22 c6-c7



S 36 c8+



Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/01Jun2010.b/9060129b.d
Lab Smp Id: 1476-1477 ngas Client Smp ID: LCS
Inj Date : 01-JUN-2010 22:32
Operator : gd Inst ID: gc9.i
Smp Info : 1.0mL,;1476-1477 ngas;LCS
Misc Info : LCS
Comment : GC/TCD
Method : /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Meth Date : 01-Jun-2010 17:45 lyohanne Quant Type: ESTD
Cal Date : 01-JUN-2010 17:29 Cal File: 9060118b.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ngas-H2.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

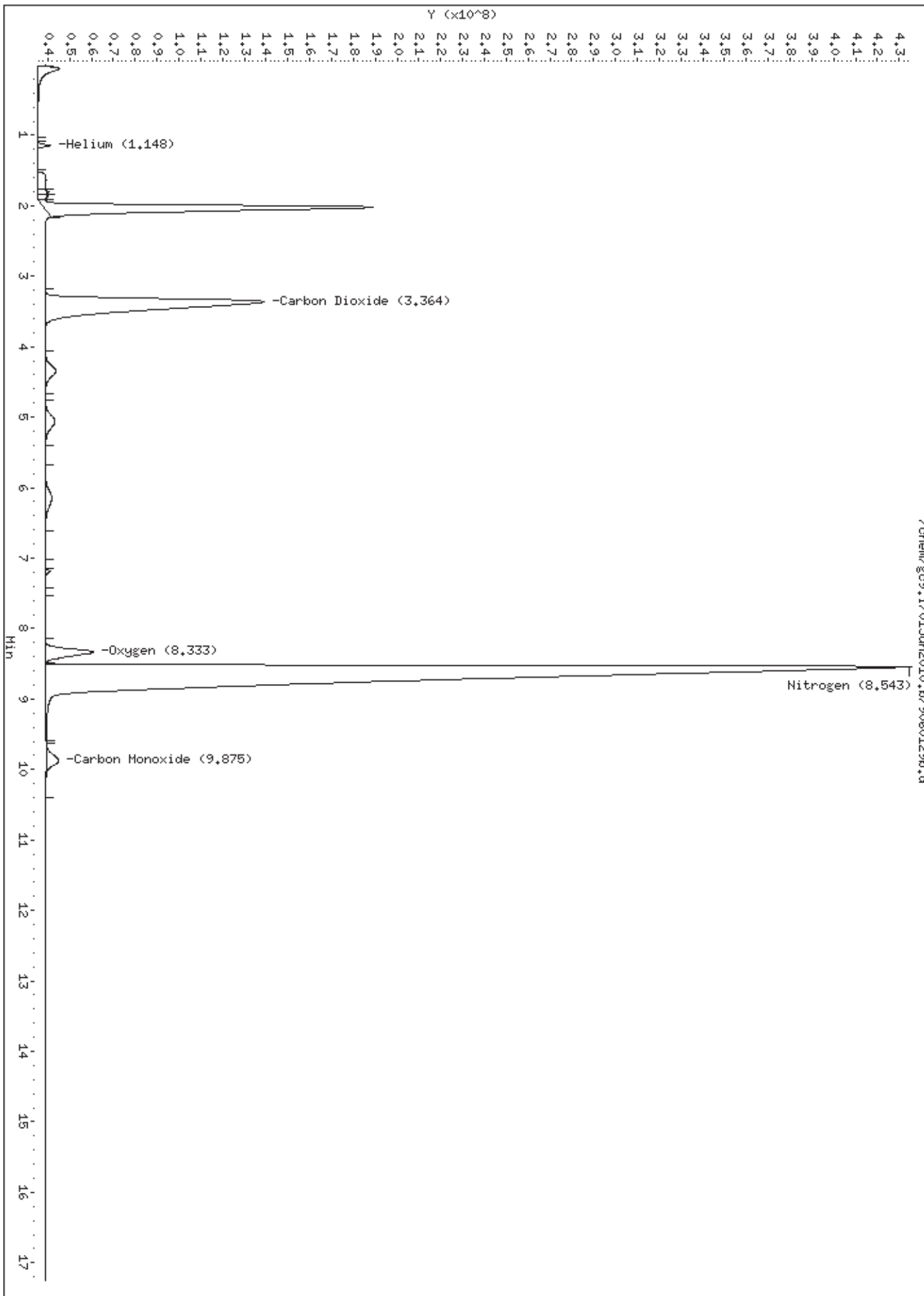
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (%)	FINAL (%)
3 Carbon Dioxide	3.364	3.375	-0.011	5096249861	10.0249	10.0
1 Helium	1.148	1.143	0.005	64366391	0.97656	0.976
9 Oxygen	8.333	8.336	-0.003	765812886	2.45547	2.46
10 Nitrogen	8.543	8.549	-0.006	24051563212	70.7133	70.7
12 Carbon Monoxide	9.875	9.900	-0.025	308349275	0.99676	0.997

Air Toxics Ltd.

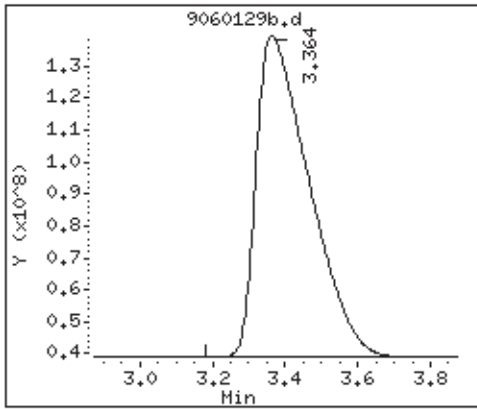
RECOVERY REPORT

Client Name: Client SDG: 01Jun2010
Sample Matrix: GAS Fraction: Atm Gas
Lab Smp Id: 1476-1477 ngas Client Smp ID: LCS
Level: LOW Operator: gd
Data Type: GC DATA SampleType: LCS
SpikeList File: 1476-1477.spk Quant Type: ESTD
Sublist File: ngas-H2.sub
Method File: /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Misc Info: LCS

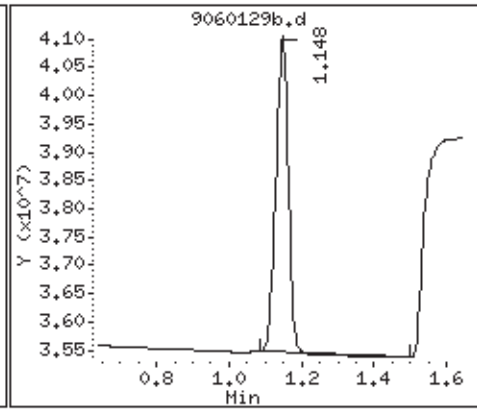
SPIKE COMPOUND	CONC ADDED %	CONC RECOVERED %	% RECOVERED	LIMITS
3 Carbon Dioxide	9.98	10.0	100.45	85-115
9 Oxygen	2.49	2.46	98.61	85-115
10 Nitrogen	70.5	70.7	100.30	85-115
12 Carbon Monoxide	1.00	0.997	99.68	85-115
1 Helium	0.998	0.976	97.85	85-115



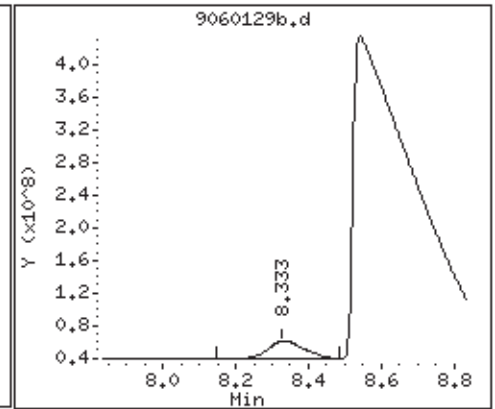
3 Carbon Dioxide



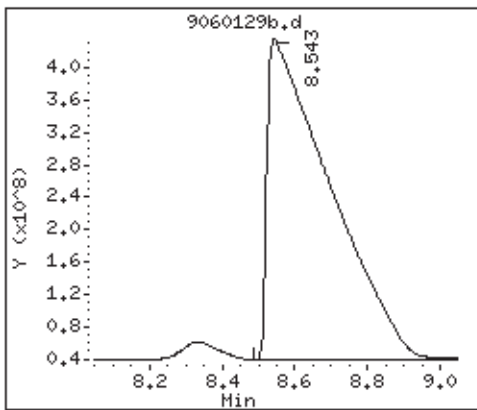
1 Helium



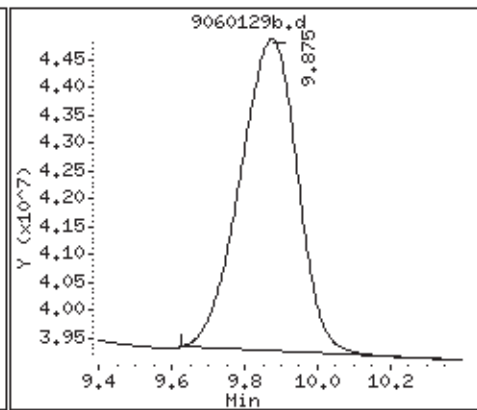
9 Oxygen



10 Nitrogen



12 Carbon Monoxide





Client Sample ID: LCS

Lab ID#: 1005453B-18B

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9060130b	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/1/10 10:56 PM

Compound	%Recovery
Hydrogen	109

Container Type: NA - Not Applicable

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 01Jun2010
Sample Matrix: GAS Fraction: Atm Gas
Lab Smp Id: 1476-1450 H2 Client Smp ID: LCS
Level: LOW Operator: gd
Data Type: GC DATA SampleType: LCS
SpikeList File: 2.01%H2.spk Quant Type: ESTD
Sublist File: h2.sub
Method File: /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Misc Info: LCS

SPIKE COMPOUND	CONC ADDED %	CONC RECOVERED %	% RECOVERED	LIMITS
2 Hydrogen	2.01	2.19	108.80	85-115

Air Toxics Ltd.

Modified ASTM D-1945

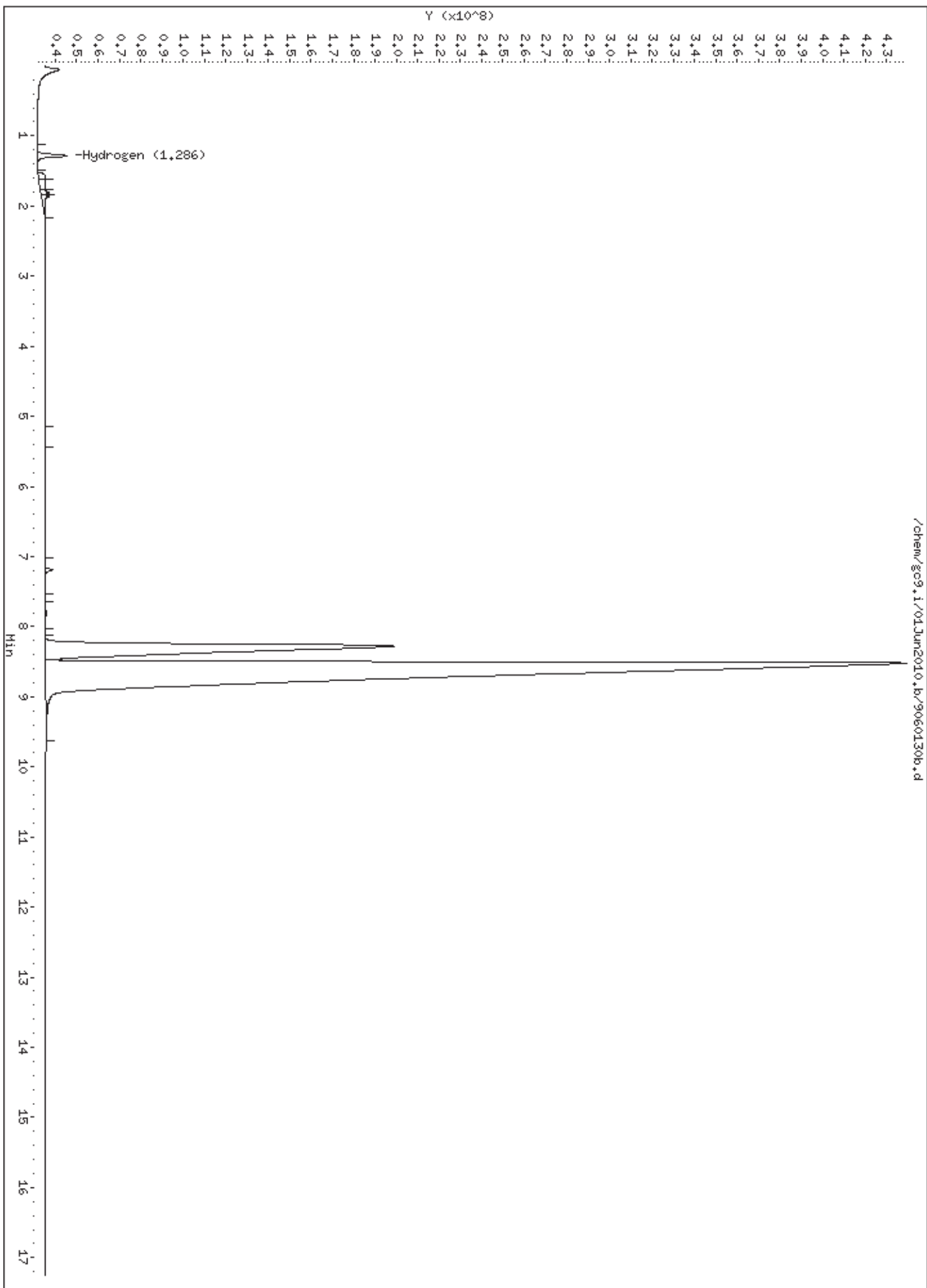
Data file : /chem/gc9.i/01Jun2010.b/9060130b.d
Lab Smp Id: 1476-1450 H2 Client Smp ID: LCS
Inj Date : 01-JUN-2010 22:56
Operator : gd Inst ID: gc9.i
Smp Info : 1.0mL,;1476-1450 H2;LCS
Misc Info : LCS
Comment : GC/TCD
Method : /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Meth Date : 01-Jun-2010 17:45 lyohanne Quant Type: ESTD
Cal Date : 01-JUN-2010 17:29 Cal File: 9060118b.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: h2.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

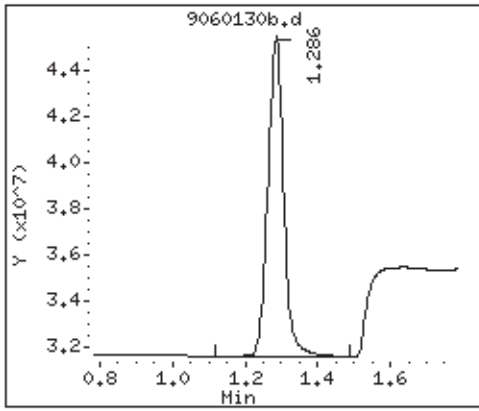
Cpnd Variable

Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (%)	FINAL (%)
=====	==	=====	=====	=====	=====	
2 Hydrogen	1.286	1.285	0.001	209551651	2.18678	2.19



2 Hydrogen





Client Sample ID: LCS

Lab ID#: 1005453B-18C

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9060229	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/2/10 10:02 PM

Compound	%Recovery
Oxygen	98
Nitrogen	100
Carbon Monoxide	100
Methane	97
Carbon Dioxide	101
Ethane	98
Ethene	98
Acetylene	100
Propane	96
Isobutane	96
Butane	94
Neopentane	97
Isopentane	98
Pentane	97
C6+	98
Helium	100

Container Type: NA - Not Applicable

Air Toxics Ltd.

RECOVERY REPORT

Client Name:	Client SDG: 02Jun2010
Sample Matrix: GAS	Fraction: Atm Gas
Lab Smp Id: 1476-1477 ngas	Client Smp ID: LCS
Level: LOW	Operator: gd
Data Type: GC DATA	SampleType: LCS
SpikeList File: 1476-1477.spk	Quant Type: ESTD
Sublist File: ngas.sub	
Method File: /chem/gc9.i/02Jun2010.b/910n0430.m	
Misc Info: LCS	

SPIKE COMPOUND	CONC ADDED %	CONC RECOVERED %	% RECOVERED	LIMITS
2 Methane	9.99	9.70	97.13	85-115
3 ethane	0.498	0.487	97.80	85-115
4 ethene	0.500	0.488	97.71	85-115
5 propane	0.499	0.480	96.19	85-115
7 acetylene	0.500	0.501	100.30	85-115
8 iso-butane	0.500	0.482	96.43	85-115
10 n-butane	0.498	0.470	94.48	85-115
15 neo-pentane	0.510	0.494	96.86	85-115
16 isopentane	0.505	0.493	97.59	85-115
17 pentane	0.503	0.488	97.06	85-115
M 37 C6+ Hydrocarbons	0.516	0.507	98.30	85-115

Air Toxics Ltd.

Modified ASTM-1945 Analysis

Data file : /chem/gc9.i/02Jun2010.b/9060229.d
 Lab Smp Id: 1476-1477 ngas Client Smp ID: LCS
 Inj Date : 02-JUN-2010 22:02
 Operator : gd Inst ID: gc9.i
 Smp Info : 1.0mL,
 Misc Info : LCS
 Comment : GC FID
 Method : /chem/gc9.i/02Jun2010.b/910n0430.m
 Meth Date : 02-Jun-2010 10:55 lyohanne Quant Type: ESTD
 Cal Date : 02-JUN-2010 10:32 Cal File: 9060201.d
 Als bottle: 1 QC Sample: LCS
 Dil Factor: 1.00000
 Integrator: HP Genie Compound Sublist: ngas.sub
 Target Version: 3.50
 Processing Host: eeyore

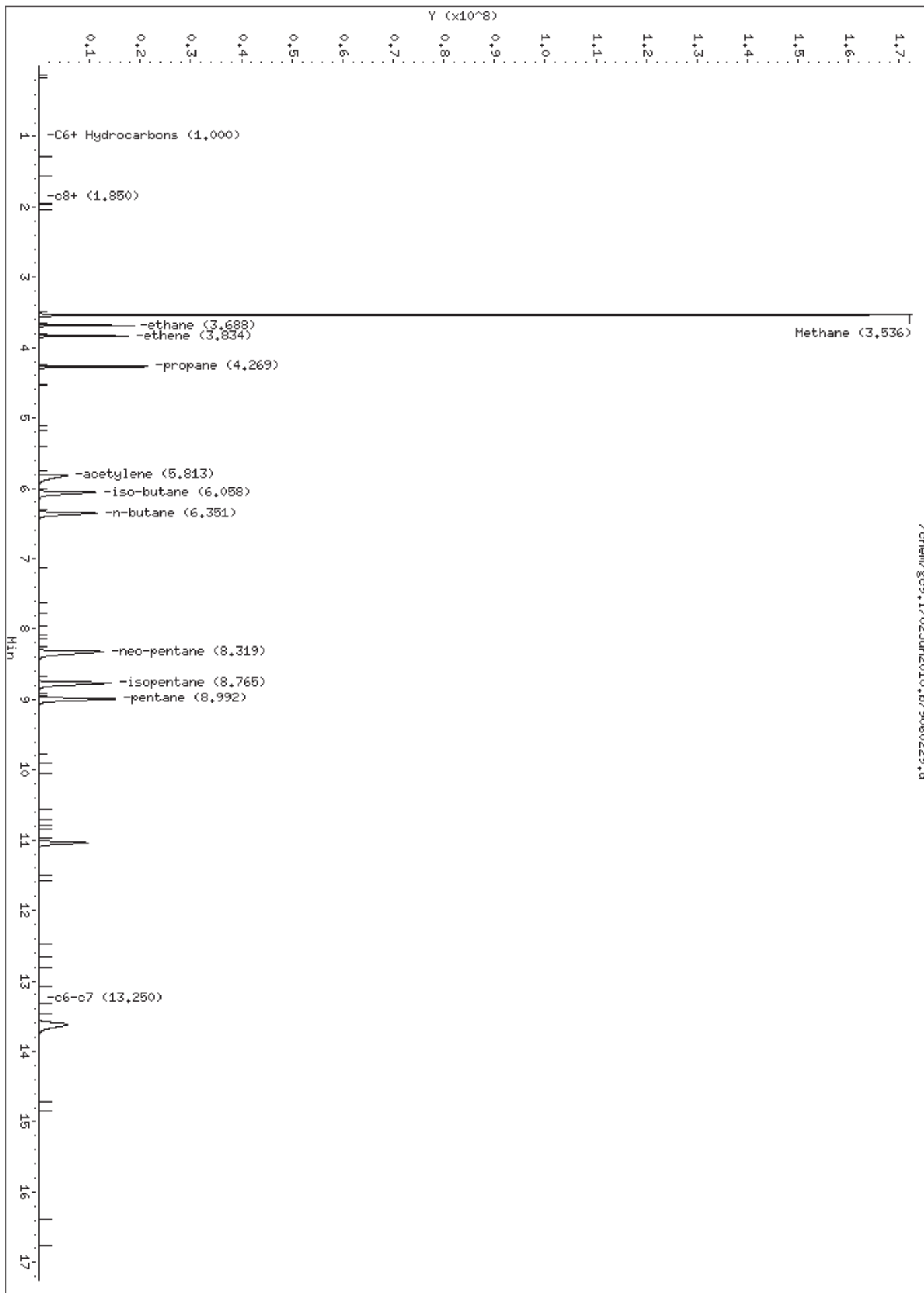
Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

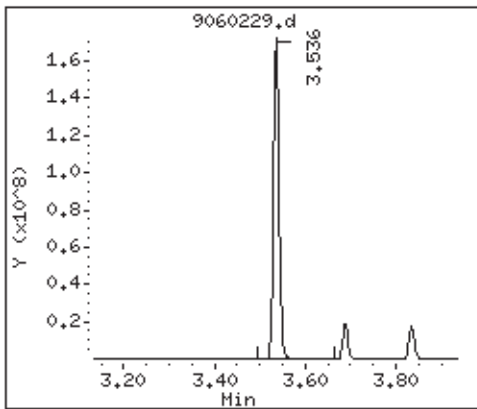
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (%)	FINAL (%)
2 Methane	3.536	3.536	0.000	1505553335	9.70285	9.70
3 ethane	3.688	3.688	0.000	147890192	0.48704	0.487
4 ethene	3.834	3.834	0.000	146314966	0.48853	0.488
5 propane	4.269	4.271	-0.002	220376787	0.47998	0.480
7 acetylene	5.813	5.799	0.014	189276167	0.50150	0.501(A)
8 iso-butane	6.058	6.065	-0.007	294985893	0.48216	0.482
10 n-butane	6.351	6.358	-0.007	289195525	0.47049	0.470
15 neo-pentane	8.319	8.326	-0.007	401368088	0.49399	0.494
16 isopentane	8.765	8.769	-0.004	379128398	0.49284	0.493
17 pentane	8.992	8.996	-0.004	380508109	0.48822	0.488
M 37 C6+ Hydrocarbons				520615211	0.50721	0.507
S 22 c6-c7	9.250-17.250			519187198	0.50721	0.507
S 36 c8+	0.700-3.000			1428013		(a)

QC Flag Legend

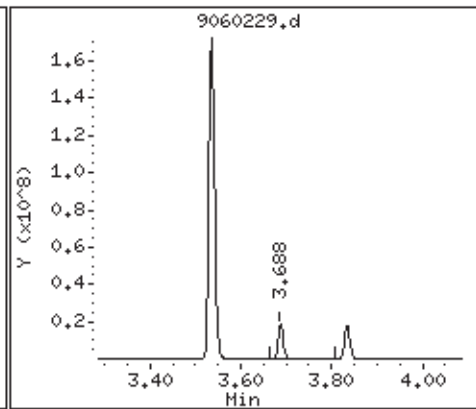
- a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
- A - Target compound detected but, quantitated amount exceeded maximum amount.



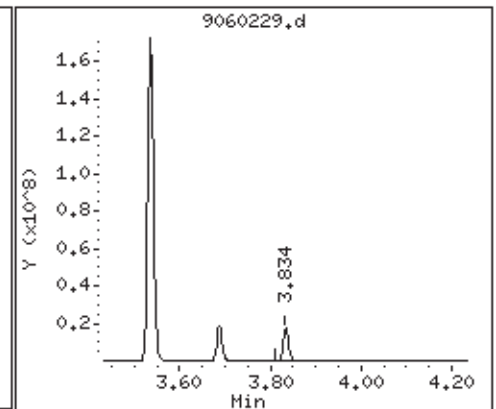
2 Methane



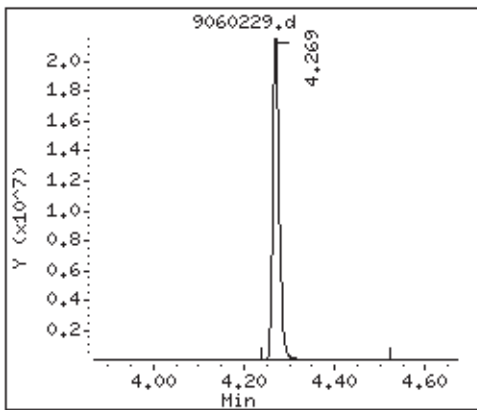
3 ethane



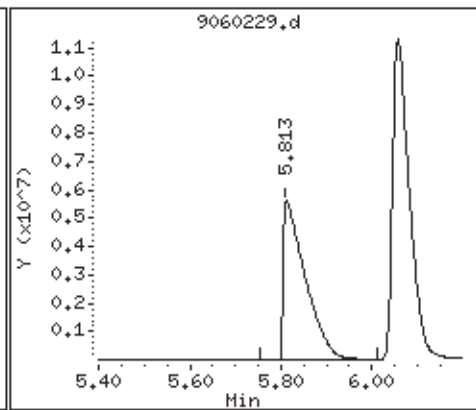
4 ethene



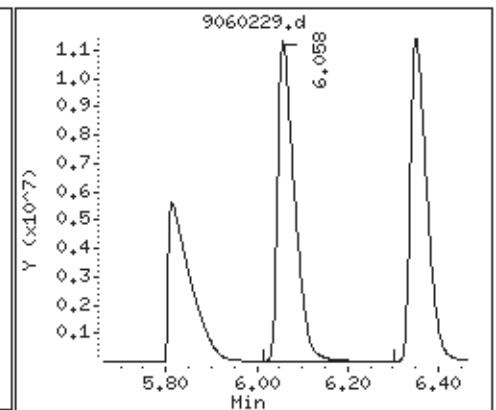
5 propane



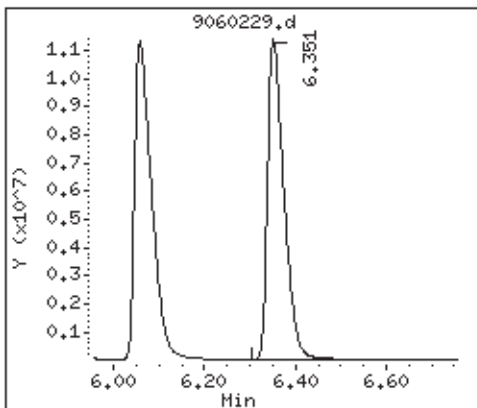
7 acetylene



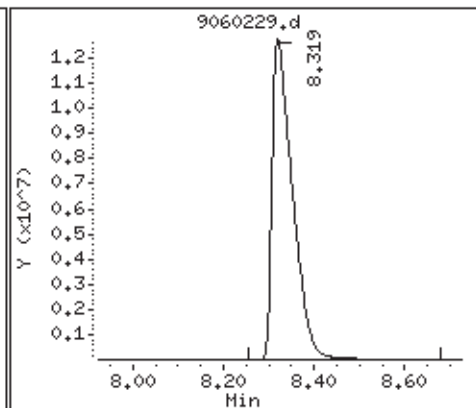
8 iso-butane



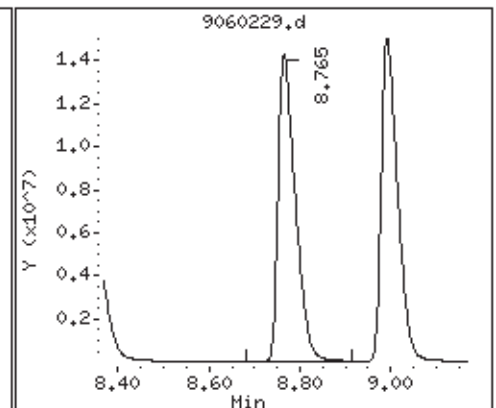
10 n-butane



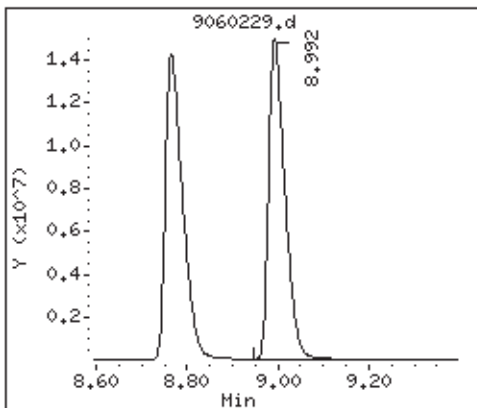
15 neo-pentane



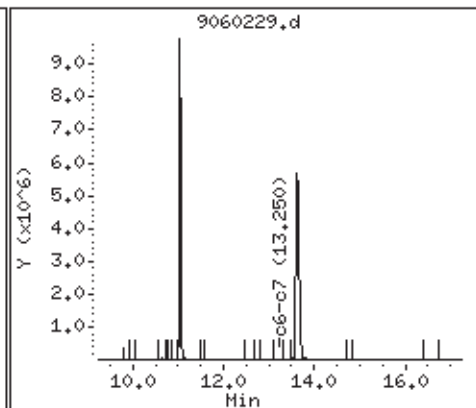
16 isopentane



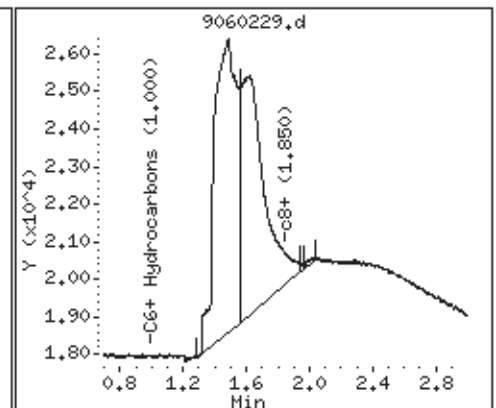
17 pentane



S 22 c6-c7



S 36 c8+



Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/02Jun2010.b/9060229b.d
Lab Smp Id: 1476-1477 ngas Client Smp ID: LCS
Inj Date : 02-JUN-2010 22:02
Operator : gd Inst ID: gc9.i
Smp Info : 1.0mL,;1476-1477 ngas;LCS
Misc Info : LCS
Comment : GC/TCD
Method : /chem/gc9.i/02Jun2010.b/910n0430.m/910C0417.m
Meth Date : 02-Jun-2010 22:28 lyohanne Quant Type: ESTD
Cal Date : 02-JUN-2010 10:32 Cal File: 9060201b.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: ngas-H2.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

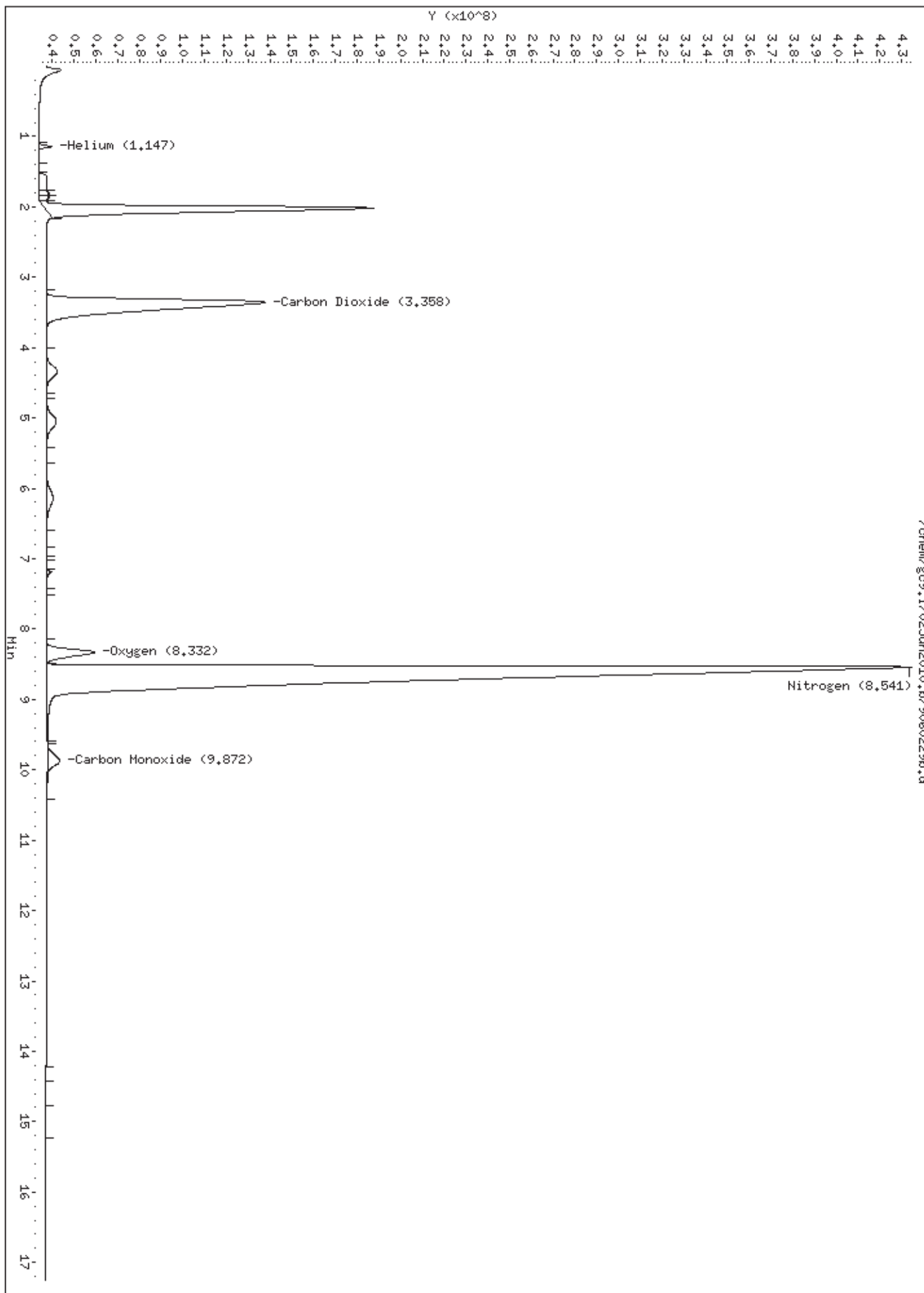
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (%)	FINAL (%)
3 Carbon Dioxide	3.358	3.348	0.010	5061061492	10.0480	10.0
1 Helium	1.147	1.146	0.001	66513510	0.99772	0.998
9 Oxygen	8.332	8.330	0.002	764679324	2.43834	2.44
10 Nitrogen	8.541	8.540	0.001	24040332064	70.4284	70.4
12 Carbon Monoxide	9.872	9.878	-0.006	309332940	0.99883	0.999

Air Toxics Ltd.

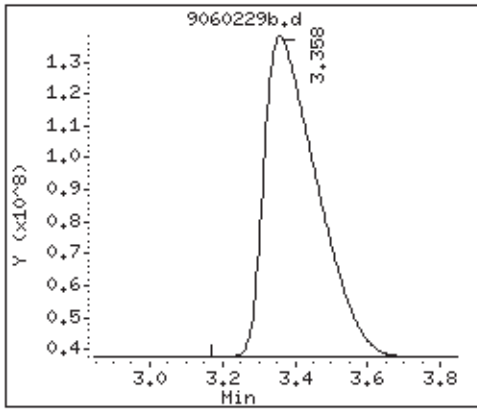
RECOVERY REPORT

Client Name: Client SDG: 02Jun2010
Sample Matrix: GAS Fraction: Atm Gas
Lab Smp Id: 1476-1477 ngas Client Smp ID: LCS
Level: LOW Operator: gd
Data Type: GC DATA SampleType: LCS
SpikeList File: 1476-1477.spk Quant Type: ESTD
Sublist File: ngas-H2.sub
Method File: /chem/gc9.i/02Jun2010.b/910n0430.m/910C0417.m
Misc Info: LCS

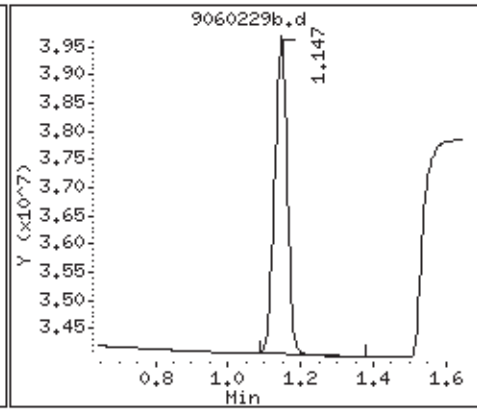
SPIKE COMPOUND	CONC ADDED %	CONC RECOVERED %	% RECOVERED	LIMITS
3 Carbon Dioxide	9.98	10.0	100.68	85-115
9 Oxygen	2.49	2.44	97.93	85-115
10 Nitrogen	70.5	70.4	99.90	85-115
12 Carbon Monoxide	1.00	0.999	99.88	85-115
1 Helium	0.998	0.998	99.97	85-115



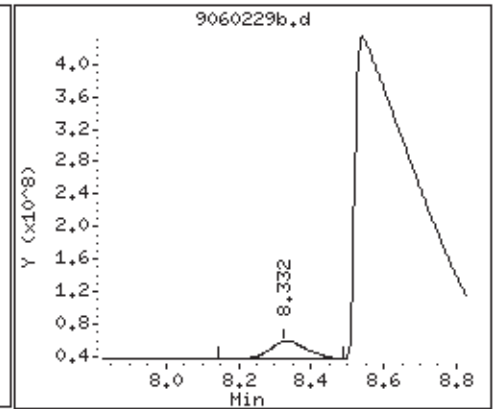
3 Carbon Dioxide



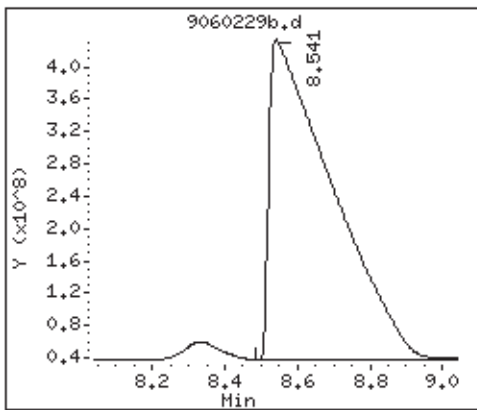
1 Helium



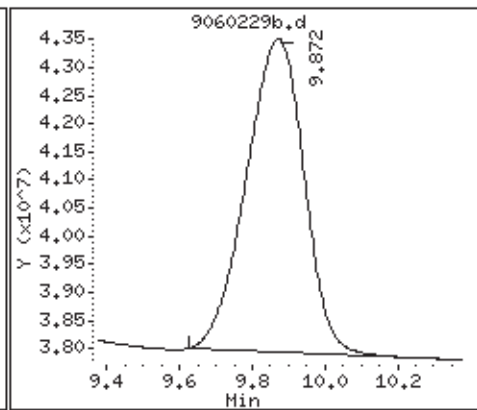
9 Oxygen



10 Nitrogen



12 Carbon Monoxide





Client Sample ID: LCS

Lab ID#: 1005453B-18D

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	9060231b	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 6/2/10 10:48 PM

Compound	%Recovery
Hydrogen	100

Container Type: NA - Not Applicable

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 02Jun2010
Sample Matrix: GAS Fraction: Atm Gas
Lab Smp Id: 1476-1450 H2 Client Smp ID: LCS
Level: LOW Operator: gd
Data Type: GC DATA SampleType: LCS
SpikeList File: 2.01%H2.spk Quant Type: ESTD
Sublist File: h2.sub
Method File: /chem/gc9.i/02Jun2010.b/910n0430.m/910C0417.m
Misc Info: LCS

SPIKE COMPOUND	CONC ADDED %	CONC RECOVERED %	% RECOVERED	LIMITS
2 Hydrogen	2.01	2.01	100.12	85-115

Air Toxics Ltd.

Modified ASTM D-1945

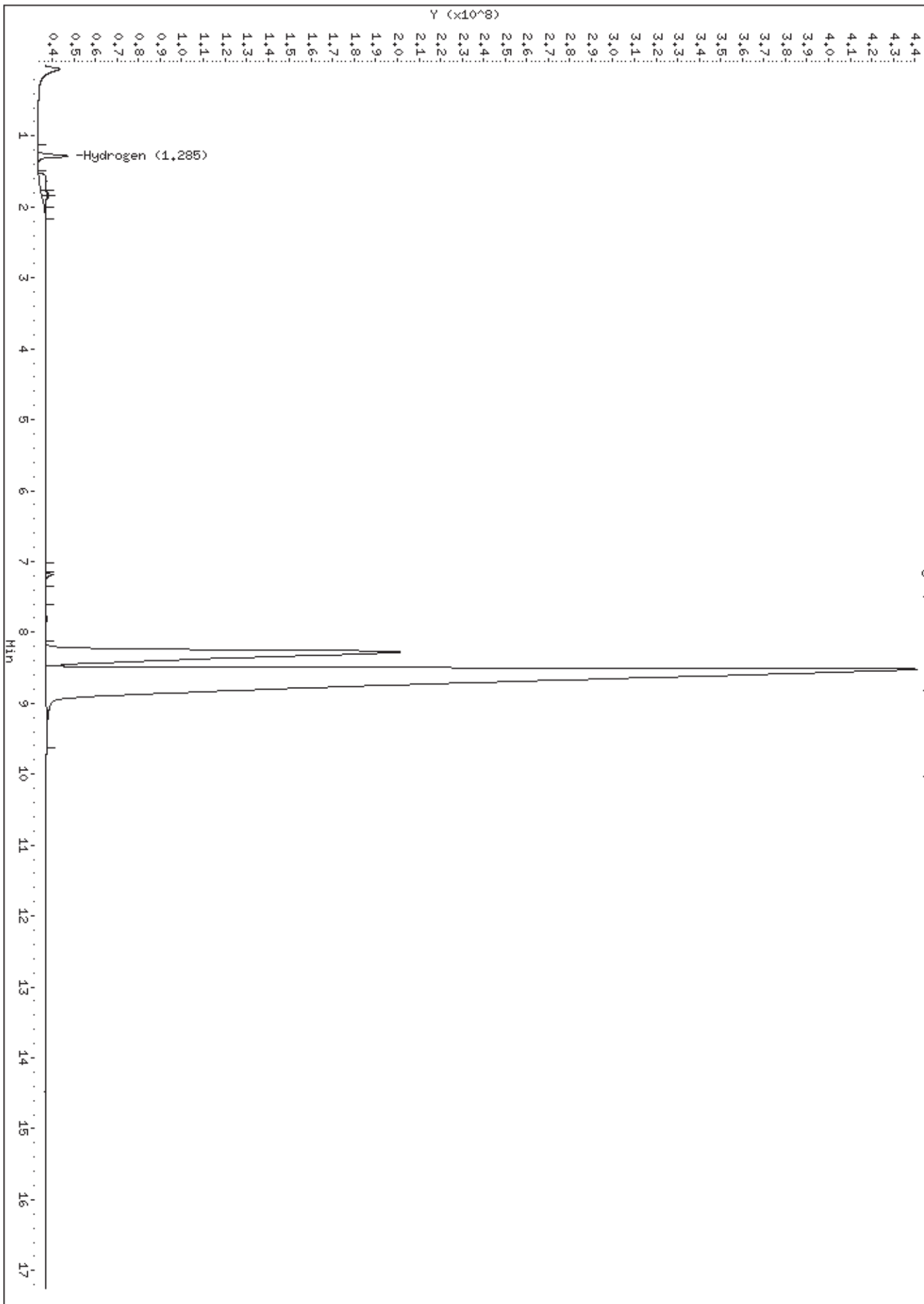
Data file : /chem/gc9.i/02Jun2010.b/9060231b.d
Lab Smp Id: 1476-1450 H2 Client Smp ID: LCS
Inj Date : 02-JUN-2010 22:48
Operator : gd Inst ID: gc9.i
Smp Info : 1.0mL,;1476-1450 H2;LCS
Misc Info : LCS
Comment : GC/TCD
Method : /chem/gc9.i/02Jun2010.b/910n0430.m/910C0417.m
Meth Date : 02-Jun-2010 22:28 lyohanne Quant Type: ESTD
Cal Date : 02-JUN-2010 10:32 Cal File: 9060201b.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: h2.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

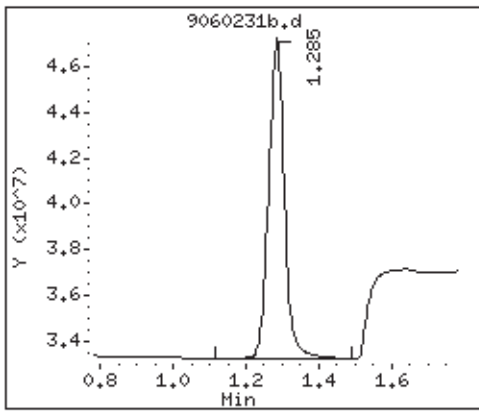
Cpnd Variable

Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (%)	FINAL (%)
=====	==	=====	=====	=====	=====	
2 Hydrogen	1.285	1.285	0.000	210000348	2.01238	2.01



2 Hydrogen



USE	File #	Sample Name/Client ID	Can #	Pressure	Amt	DF	Date	Time	Review Init.	Comments
✓	9060101	1544-365B Alqam	34219	20A	1.0amt	1.0A	6/1/10	0735	Y	OK
✓	02	N ₂ Lab Blank	33868					0810		
X	03	He Lab Blank	14014					0912		Trigluin Bulb
✓	04	He Lab Blank						0935		
✓	05	1005630B-01A	34578	27.6"Hg → 15psi				1003		
C	06							1026		
✓	07							1053		
✓	08	1005487B-01A	36448	0.6"Hg → 15psi				1116		
✓	09							1140		
✓	10							1200		
✓	11							1222		
✓	12							1315		
✓	13							1342		Dup w/ 9060108
✓	14	1005664C-01A	1467	0.6"Hg → 15psi				1415		
✓	15									Dup

Calculation Check: File ID: 9060108 Compound: CH₄ Initials: Y

Sample Amt = Area Counts Sample × Dilution Factor = $(1265314) \times (1.00) = 0.00835$
 RF (151506245)

Reported Result: 0.00835

USE	File #	Sample Name/Client ID	Can #	Pressure	Amt	DF	Date	Time	Review Init.	Comments
✓	9060116	1805664C-02A	37324	4.5" Hg → 5 psi	1.00ml	2.38	6/1/10	1525	gd	
✓	17	↓ -03A	2032					1547		
✓	18	1476-977 H2	NA	NA		1.00		1729		cell
✓	19	H2 Lab Blank	33868					1754		H2 only
✓	20	1005453B-01A	3748	9.0" Hg → 5 psi		1.91		1817		
✓	21	↓ -01AA						1838		Dup
✓	22	↓ -02A	13667					1900		
✓	23	↓ -03A	33382	8.4" Hg → 5 psi		1.86		2028		Sample re-run
✓	24	↓ -04A	5743	14" Hg → 5 psi		2.51		2035		
✓	25	↓ -05A	34725	8.6" Hg → 5 psi		1.88		2054		
✓	26	↓ -14A	34371	9.8" Hg → 5 psi		1.99		215		
✓	27	↓ -15A	4188	10" Hg → 5 psi		2.01		2147		
✓	28	↓ -16A	35170	8.8" Hg → 5 psi		1.96		2210		
✓	29	1476-1477 Ngas	NA	NA		1.00		2232		LES
✓	30	1476-1450 H2						2256		LES

Calculation Check: File ID: 9060120 Compound: Oxygen Initials: gd

Sample Amt = Area Counts Sample × Dilution Factor = $\frac{207814500}{(311880992)} \times (1.91) =$ 12.9 %

Reported Result: 12.7 %

gd Signed

6/1/10 Date

USE	File #	Sample Name/Client ID	Can #	Pressure	Amt	DF	Date	Time	Review Init.	Comments
✓	9060201	1544-365B Ngas	34219	NA	1.00ml	1.00	6/12/10 6/2/10	1032	by	ced
✓	02	1476-977 H ₂	NA				4/6/10 6/2/10	1104		ced
✓	03	N ₂ Lab Blank	33868					1127		
✓	04	He Lab Blank	14014					1152		
✓	05	10060018-01A	34607	28.24Hg → 15psi				1218	gm	Temp Blank 027KL
✓	06	06 ↓ -01A	↓	↓				1240		Confirmation
✓	07	10060028-01A	21609	4.41Hg → 15psi		2.37		1304	gd	
✓	08	08 ↓ <i>gas 1/2/10</i>	2107	4.04Hg → 15psi		2.33		1330	by	
✓	09	1005453B-03A	33382	8.44Hg → 15psi		1.86		1402	gd	dup
✓	10	10 ↓ -03AA		↓ 4.11Hg → 15psi				1424		
✓	11	10060028-03A	3028	6.41Hg → 15psi		2.57		1450		
✓	12	1006005C-01A <i>gas 6/2/10</i>	11441	3.01Hg → 15psi		2.24		1512		
✓	13	13 ↓ -02A	1478	5.01Hg → 15psi		2.42		1533		
✓	14	14 ↓ -03A	2130			2.42		1556		
✓	15	15 ↓ 1006003C-01A	3046	3.81Hg → 15psi		2.31		1620		

Calculation Check: File ID: 9660201 Compound: CH4 Initials: gd

Sample Amt = $\frac{\text{Area Counts Sample}}{\text{RF}} \times \text{Dilution Factor} = \frac{(1543902663)}{(155166597)} \times (1.00) = 9.95\%$

Reported Result: 9.95%

USE	File #	Sample Name/Client ID	Can #	Pressure	Amt	DF	Date	Time	Review Init.	Comments
✓	9060216	1506503C - 02A	9452	2.5" Hg → 15 psi	1.0 mL	2.23	6/2/10	1643		
✓	17	↓ -03A	31756	3.6" Hg → 15 psi		2.30		1705	gd	
✓	18	506504C - 01A	34122	4.0" Hg → 15 psi		2.33		1739		
✓	19	↓ -01AA						1803		Drip
✓	20	↓ -02A	35623	4.8" Hg → 15 psi		2.46		1825		
✓	21	↓ -03A	37435	5.0" Hg → 15 psi		2.42		1849		
✓	22	1054888 - 01A	33945	4.0" Hg → 5 psi		1.55		1911		↑ CH4
✓	23	↓ -01B			(10:40) 1.6 mL	6.20		1937		CH4 only
✓	24	↓ -01AA						2002		
✓	25	↓ -01AA						2028		Drip
✓	26	↓ -02A	34445	6.0" Hg → 5 psi		1.68		2056		
✓	27	↓ -04A	35245	4.0" Hg → 5 psi		1.55		2118		calculation
✓	28	↓ -11A	4235	28.5" Hg → 5 psi		1.60		2140		TB
✓	29	142-1437 N gas	NA	NA		1.60		2202		CS
✓	30	↓						2226		LCSD

Calculation Check: File ID: 9060216 Compound: Oxygen Initials: gd

Sample Amt = Area Counts Sample × Dilution Factor = $(2482969977) \times (2.23) =$ 2127.

RF (313606751) Reported Result: 21.27.

USE	File #	Sample Name/Client ID	Can #	Pressure	Amt	DF	Date	Time	Review Init.	Comments
1	✓ 9060231	1476-1450 H2	NA	NA	1.02ml	1.00	6/2/10	2248	gdl	LES
2	✓ ↓ 32	↓	↓	↓	↓	↓	↓	2311	↓	LESB
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										

Calculation Check: File ID: _____

Compound: _____

Initials: _____

Sample Amt = Area Counts Sample × Dilution Factor = (_____) × (_____) = _____

RF

Reported Result: _____

gdl 6/2/10

Shipping/ Receiving Documents

Air Toxics Ltd. Sample Receipt Confirmation Cover Page

Thank you for choosing Air Toxics Ltd. We have received your samples and have listed any Sample Receipt Discrepancies below.

In order to expedite analysis and reporting, please review the attached information for
For corrections ca **Karen Lopez at 916-985-1000**

ATL will proceed with the analysis as specified on the Chain of Custody and Sample Receipt Summary page.

Please note : The Sample Receipt Confirmation, including the total workorder charge, is subject to change upon secondary review. Our aim is to provide a confirmation to you in a timely manner. Sample Receipt Discrepancies, if any, may not include discrepancies regarding sample receipt pressure(s). Additionally, the Chain of Custody (COC) will be provided with the final report.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 6:30 A.M to 5:30 P.M. PST



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
 FOLSOM, CA 95630-4719
 (916) 985-1000 FAX (916) 985-1020

Page 1 of 6

*Riviside COC
 5-27-10 7/5*

Project Manager: Melissa Klevan
 Collected by: (Print and Sign) Eric Cherny
 Company: EXPONENT Email: mcklevan@exp.com
 Address: 15375 SE 30th Pl City: Bellvue State: WA Zip: 98007
 Phone: 425-519-8774 Fax: 425-519-8799

Project Info:
 P.O. # _____
 Project # 0907194.004.0601
 Project Name: heg/ar - Kingquist

Turn Around Time:
 Normal
 Rush

Lab Use Only
 Pressurized by: _____
 Date: _____
 Pressurization Gas: _____
 N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum			
						Initial	Final	Receipt Final (psi)	
	GV-01 KP		5-16-10	11:41	ASTM D-1945, EPA T ₀₋₁₅		8.5	4.2	
	GV-06 KP			11:42	ASTM D-1945, EPA T ₀₋₁₅		9.5	7.0	
	GV-07 KP			13:29	ASTM D-1945, EPA T ₀₋₁₅		5.5	4.5	
O1A	GV-9	1575	5-16-10	11:41	ASTM D-1945, EPA T ₀₋₁₅		29.0	14.0	
O2A	GV-10	13467		11:42	ASTM D-1945, EPA T ₀₋₁₅		28.1	9.1	
O3A	GV-11	3038		13:29	ASTM D-1945, EPA T ₀₋₁₅		28.4	7.0	
O4A	GV-12	1330		23:00	ASTM D-1945, EPA T ₀₋₁₅		29.0	14.0	
O5A	GV-13	3370		14:23	ASTM D-1945, EPA T ₀₋₁₅		28.4	7.8	
O6A	ALF-1	9913	5-17-10	12:30	HOLD		28.5	4.5	

Notes:
 "GV" same place as
 "ALF" & "AS" ambient

Relinquished by: (signature) _____ Date/Time: 5-18-10/1730
 Received by: (signature) Melissa Klevan Date/Time: 5/19/10 9:00
 Relinquished by: (signature) _____ Date/Time: _____
 Received by: (signature) _____ Date/Time: _____

Shipper Name: FedEx Air Bill #: _____ Temp (°C): NA Condition: Good
 Lab Use Only: _____ Custody Seals Intact? Yes No None Work Order #: 1005453



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
 FOLSOM, CA 95630-4719
 (916) 985-1000 FAX (916) 985-1020

Page 2 of 6

Project Manager Melissa Klevin
 Collected by: (Print and Sign) Eric Cherry
 Company Exponent Email m.klevin@exponent.com
 Address 15375 SE 34th City Bellvue State WA Zip 98007
 Phone 425-519-8334 Fax 425-519-8799

Project Info:
 P.O. # _____
 Project # 0903194.000.060
 Project Name Regalox Kompust

Turn Around Time: Normal Rush
 Date: _____
 Pressurization Gas: _____
 specify: _____ Ne He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum		
						Initial	Final	Receipt
07A	ALF-2	35972	5-13-10	12:32	HOLD	28.5	4.5	
08A	ALF-3	415		12:34	HOLD	29.0	8.0	
09A	ALF-4	9945		12:36	HOLD	29.3	10.5	
10A	ALF-5	34223		12:43	HOLD	29.1	9.5	
11A	AOS-1	12034		13:14	HOLD	27.5	7.5	
12A	AOS-2	R-7		13:11	HOLD	27.2	6.5	
13A	AOS-3	25276	5-13-10	13:32	HOLD	28.8	6.2	
14A	GV-1	34331	5-16-10	11:36	ASTMP-1995, 98-15 and 98-16 sample - not by dno.	28.4	8.5	
15A	GV-6	1571	5-16-10	12:17		29.1	9.5	
16A	GV-7	2335	5-16-10	12:54		26.3	5.5	

Relinquished by: (signature) _____ Date/Time 5-18-10 / 1730

Received by: (signature) Monica Enggren Date/Time _____

Notes: SL1910920

Relinquished by: (signature) _____ Date/Time _____
 Received by: (signature) _____ Date/Time _____

Shipper Name: _____ Air Bill #: _____ Temp (°C): _____ Condition: Good
 Lab Use Only: pad 64 Custody Seals Intact? Yes No None 1005453 Work Order # _____



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice

Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

160 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 6 of 6

Project Manager Melissa Kruken
 Collected by: (Print and Sign) Eric Cherry / ERM
 Company Exponent Email mike@exponent.com
 Address 15375 SE 30th Pl Bellevue WA 98004 zip 98007
 Phone 425-519-8774 Fax 425-519-8799

Project Info:
 P.O. # _____
 Project # 0907194.008.0601
 Project Name Highway Remediation

Turn Around Time:
 Normal
 Rush
 Pressurization Gas: _____
 specify N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum		
						Initial Pressure	Final Pressure	Final (psi)
	GV-13	1	5-16-10	15:27	Stagnant Method H	20.7-L	3hr	
	GV-13	2	5-16-10	15:27	Air Toxics Method H	20.7-L	3hr	
	GV-9	-	5-15-10	17:06	PCBS, EPATO-15	3L/min	4hr	
	GV-10	-	5-15-10	18:50	PCBS, EPATO-15	1.5L/min	4hr	
	PCB Trip Blank	-	-	-	PCBS: EPATO-15	-	-	

Relinquished by: (signature) [Signature] Date/Time 5.18.10/1730
 Relinquished by: (signature) _____ Date/Time _____
 Relinquished by: (signature) _____ Date/Time _____

Received by: (signature) Monica Kroppen AT Date/Time _____
 Received by: (signature) _____ Date/Time _____
 Received by: (signature) _____ Date/Time _____

Notes: 900

Lab Use Only: Shipper Name Ed Ex Air Bill # _____ Temp (°C) NA Condition Good Custody Seals Intact? Yes No None Work Order # 1005453



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
 FOLSOM, CA 95630-4719
 (916) 985-1000 FAX (916) 985-1020

Page 1 of 6

Project Manager Melissa Klevan
 Collected by: (Print and Sign) Eric Cherry
 Company Exponent Email mexponent.com
 Address 15335 SE 30th Pl City Bellevue State WA Zip 98007
 Phone 425-519-8774 Fax 425-519-8799

Project Info:
 P.O. #
 Project # 0907194.000.0601
 Project Name Heigl Air - Kronquist

Turn Around Time:
 Normal
 Rush
specify

Lab Use Only
 Pressurized by:
 Date:
 Pressurization Gas:
 N He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum		
						Initial	Final	Receipt
	<u>GV-01 KP</u>		<u>5-16-10</u>	<u>11:41</u>	<u>ASTM D-1945; EPA 15</u>			
	<u>GV-02 KP</u>							
	<u>GV-03 KP</u>							
	<u>GV-04 KP</u>							
<u>O1A</u>	<u>GV-09</u>	<u>1575</u>	<u>5-16-10</u>	<u>11:41</u>	<u>ASTM D-1945; EPA 15</u>	<u>29.0</u>	<u>8.0</u>	
<u>O2A</u>	<u>GV-10</u>	<u>13667</u>		<u>11:42</u>	<u>and gas</u>	<u>29.0</u>	<u>9.1</u>	
<u>O3A</u>	<u>GV-11</u>	<u>3038</u>		<u>13:39</u>	<u>nborg</u>	<u>29.0</u>	<u>7.0</u>	
<u>O4A</u>	<u>GV-12</u>	<u>1330</u>		<u>23:06</u>	<u>Perthium Hydroxide</u>	<u>29.0</u>	<u>8.0</u>	
<u>O5A</u>	<u>GV-13</u>	<u>3370</u>		<u>14:27</u>		<u>29.5</u>	<u>7.8</u>	
<u>O6A</u>	<u>ALF-1</u>	<u>9913</u>	<u>5-17-10</u>	<u>12:30</u>		<u>28.5</u>	<u>9.5</u>	

Relinquished by: (signature) [Signature] Date/Time 5-18-10 / 1730
 Received by: (signature) Melissa Klevan Date/Time 5/19/10 900
 Notes: AR \$19110 900

Relinquished by: (signature) _____ Date/Time _____
 Received by: (signature) _____ Date/Time _____

Shipper Name Fed Ex Air Bill # Temp (°C) NA Condition Good
 Lab Use Only Custody Seals Intact? Yes No None Work Order # 1005453



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
 FOLSOM, CA 95630-4719
 (916) 985-1000 FAX (916) 985-1020

Page 2 of 6

Project Manager Melissa Klevm
 Collected by: (Print and Sign) Eric Cherry
 Company Exponent Email m.klevm@exponent.com
 Address 15375 SE 36th City Bellevue State WA Zip 98007
 Phone 425-519-8774 Fax 425-519-8799

Project Info:
 P.O. # _____
 Project # 0907194.000.060
 Project Name Regan Konquist

Turn Around Time: Normal Rush
 Lab Use Only: Pressurized by: _____ Date: _____
 Pressurization Gas: _____ N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum		
						Initial	Final	Receipt Final (gsm)
07A	ALP-2	35972	5-17-10	12:32	ASTM D-1445: EPA T0-15	28.7	4.5	
08A	ALF-3	415		12:34	and gao	29.0	8.0	
09A	ALF-4	9945		12:36	Neogen perforated hydrocarbon	28.8	10.5	
10A	ALF-5	34223		12:43		29.0	9.5	
11A	AOS-1	12074		13:14		28.6	7.5	
12A	AOS-2	R-7		13:11		27.2	6.5	
13A	AOS-3	25276	5-17-10	13:32		28.2	6.2	
14A	GV-01	34371	5-16-10	11:36		29.5	8.5	
15A	GV-06	1571	5-16-10	12:17		26.5	9.5	
16A	GV-07	2335	5-16-10	12:54		29.0	5.5	

Relinquished by: (signature) _____ Date/Time 5-18-10 1730
 Relinquished by: (signature) _____ Date/Time _____
 Relinquished by: (signature) _____ Date/Time _____

Received by: (signature) Monica Gregson Date/Time _____
 Received by: (signature) _____ Date/Time _____
 Received by: (signature) _____ Date/Time _____

Notes: Ship to gao

Lab Use Only: Shipper Name Paul G Air Bill # _____ Temp (°C) NA Condition Good Custody Seals Intact? Yes No None Work Order # 1005453



CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
 Relinquishing signature on this document indicates that sample is being shipped in compliance with all applicable local, State, Federal, national, and international laws, regulations and ordinances of any kind. Air Toxics Limited assumes no liability with respect to the collection, handling or shipping of these samples. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Air Toxics Limited against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.T. Hotline (800) 467-4922

180 BLUE RAVINE ROAD, SUITE B
 FOLSOM, CA 95630-4719
 (916) 985-1000 FAX (916) 985-1020

Page 4 of 6

Project Manager: Melissa Kleber
 Collected by: (Print and Sign) Eric Cherry / ERM
 Company: Exponent Email: mkleber@exponent.com
 Address: 15375 SE 30th Plctiv Bellevue State: WA Zip: 98007
 Phone: 425-519-8774 Fax: 425-519-8799

Project Info:
 P.O. #:
 Project #: 0907194.000.0601
 Project Name: Highway - Remquist

Turn Around Time:
 Normal
 Rush
 Date:
 Pressurization Gas:
 specify N₂ He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum		
						Initial Volume	Final (psi)	Receipt
	GV13-1	—	5-16-10	15:27	Signature: Method 31 Air Toxics ↓	20.16L		3hr
	GV13-2	—	5-16-10	15:27		20.16L		3hr
	GV9	—	5-15-10	19:06/22:50	PCBS; EPATO-15	3L/min		4hr
	GV10	—	5-15-10	19:50/22:50	PCBS; EPATO-15	1.5L/min		4hr
	PCB Trip Blank	—	—	—	PCBS; EPATO-15	—		—

Relinquished by: (signature) [Signature] Date/Time 5.18.10/1730

Received by: (signature) [Signature] Date/Time

Notes:

Relinquished by: (signature) [Signature] Date/Time

Received by: (signature) [Signature] Date/Time

Shipper Name: fed ex Air Bill #: Temp (°C): NA Condition: GOOD

Lab Use Only: Custody Seals Intact? Yes No None Work Order #: 1005453

SAMPLE RECEIPT SUMMARY

WORKORDER 1005453B

Client
Ms. Melissa Kleven
Exponent
15375 SE 30th Place
Suite 250
Bellevue, WA 98007

Phone
425-519-8774
Fax
425-643-9827

Date Promised: 06/03/10
Date Completed: 6/3/10
Date Received: 5/19/10
PO#:
Project#: 0907194.000.0601 Heglar - Kronquist

Sales Rep: JJM

Total \$: \$ 1,050.00
Logged By: MG

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Receipt Vac./Pres.</u>	<u>Amount\$</u>
01A	GV-9	Modified ASTM D-1945	5/16/2010	9.0 "Hg	\$150.00
01AA	GV-9 Lab Duplicate	Modified ASTM D-1945	5/16/2010	9.0 "Hg	\$0.00
02A	GV-10	Modified ASTM D-1945	5/16/2010	9.0 "Hg	\$150.00
03A	GV-11	Modified ASTM D-1945	5/16/2010	8.4 "Hg	\$150.00
03AA	GV-11 Lab Duplicate	Modified ASTM D-1945	5/16/2010	8.4 "Hg	\$0.00
04A(on hold)	GV-12	Modified ASTM D-1945	5/16/2010	14.0 "Hg	\$0.00
05A	GV-13	Modified ASTM D-1945	5/16/2010	8.6 "Hg	\$150.00
06A(on hold)	ALF-1	Modified ASTM D-1945	5/17/2010	10.0 "Hg	\$0.00
07A(on hold)	ALF-2	Modified ASTM D-1945	5/17/2010	3.6 "Hg	\$0.00
08A(on hold)	ALF-3	Modified ASTM D-1945	5/17/2010	10.2 "Hg	\$0.00
09A(on hold)	ALF-4	Modified ASTM D-1945	5/17/2010	11.0 "Hg	\$0.00
10A(on hold)	ALF-5	Modified ASTM D-1945	5/17/2010	10.0 "Hg	\$0.00
11A(on hold)	AOS-1	Modified ASTM D-1945	5/17/2010	9.0 "Hg	\$0.00
12A(on hold)	AOS-2	Modified ASTM D-1945	5/17/2010	9.2 "Hg	\$0.00
13A(on hold)	AOS-3	Modified ASTM D-1945	5/17/2010	6.8 "Hg	\$0.00
14A	GV-1	Modified ASTM D-1945	5/16/2010	9.8 "Hg	\$150.00
15A	GV-6	Modified ASTM D-1945	5/16/2010	10.0 "Hg	\$150.00
16A	GV-7	Modified ASTM D-1945	5/16/2010	8.8 "Hg	\$150.00
17A	Lab Blank	Modified ASTM D-1945	NA	NA	\$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: Heglar Kronquist/14301

BILL TO: Ms. Melissa Kleven
Exponent
15375 SE 30th Place
Suite 250
Bellevue, WA 98007

Analysis Code: ASTM

TERMS: NET 30

Reporting Method: Modified ASTM D-1945 + He

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

SAMPLE RECEIPT SUMMARY Continued

Client	Phone	Date Promised: 06/03/10
Ms. Melissa Kleven	425-519-8774	Date Completed: 6/3/10
Exponent		Date Received: 5/19/10
15375 SE 30th Place	Fax	PO#:
Suite 250	425-643-9827	Project#: 0907194.000.0601 Heglar - Kronquist
Bellevue, WA 98007		Total \$: \$ 1,050.00
Sales Rep: JJM		Logged By: MG

<u>Fraction</u>	<u>Sample #</u>	<u>Analysis</u>	<u>Collected</u>	<u>Receipt Vac./Pres.</u>	<u>Amount\$</u>
17B	Lab Blank	Modified ASTM D-1945	NA	NA	\$0.00
17C	Lab Blank	Modified ASTM D-1945	NA	NA	\$0.00
17D	Lab Blank	Modified ASTM D-1945	NA	NA	\$0.00
18A	LCS	Modified ASTM D-1945	NA	NA	\$0.00
18B	LCS	Modified ASTM D-1945	NA	NA	\$0.00
18C	LCS	Modified ASTM D-1945	NA	NA	\$0.00
18D	LCS	Modified ASTM D-1945	NA	NA	\$0.00

Note: Samples received after 3 P.M. PST are considered to be received on the following work day.
Atlas Project Name/Profile#: Heglar Kronquist/14301

BILL TO: Ms. Melissa Kleven
Exponent
15375 SE 30th Place
Suite 250
Bellevue, WA 98007

Analysis Code: ASTM

TERMS: NET 30

Reporting Method: Modified ASTM D-1945 + He

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

Other Records

Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/01Jun2010.b/9060120b.d
Lab Smp Id: 1005453B-01A
Inj Date : 01-JUN-2010 18:17
Operator : gd
Smp Info : 1.0mL,3748;1005453B-01A;
Misc Info : 9.0"Hg->5psi
Comment : GC/TCD
Method : /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Meth Date : 01-Jun-2010 17:45 lyohanne
Cal Date : 01-JUN-2010 17:29
Als bottle: 1
Dil Factor: 1.91000
Integrator: HP Genie
Target Version: 3.50
Processing Host: eeyore

Inst ID: gc9.i
Quant Type: ESTD
Cal File: 9060118b.d
Compound Sublist: ngas.sub

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (%)	FINAL (%)
2 Hydrogen	1.280	1.285	-0.005	35548645	0.37097	0.708
1 Helium	1.147	1.143	0.004	41606989	0.63125	1.20
3 Carbon Dioxide	3.484	3.375	0.109	109854834	0.21610	0.413
9 Oxygen	8.307	8.336	-0.029	2070114500	6.63751	12.7
10 Nitrogen	8.505	8.549	-0.044	31073063230	91.3570	171
12 Carbon Monoxide	Compound Not Detected.					

85% by ayt
gm
6/2/10

Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/01Jun2010.b/9060121b.d
Lab Smp Id: 1005453B-01AA
Inj Date : 01-JUN-2010 18:38
Operator : gd
Smp Info : 1.0mL,3748;1005453B-01AA;
Misc Info : 9.0"Hg->5psi
Comment : GC/TCD
Method : /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Meth Date : 01-Jun-2010 17:45 lyohanne
Cal Date : 01-JUN-2010 17:29
Als bottle: 1
Dil Factor: 1.91000
Integrator: HP Genie
Target Version: 3.50
Processing Host: eeyore

Inst ID: gc9.i
Quant Type: ESTD
Cal File: 9060118b.d
Compound Sublist: ngas.sub

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (%)	FINAL (%)
2 Hydrogen	1.280	1.285	-0.005	35745551	0.37302	0.712
1 Helium	1.147	1.143	0.004	41681951	0.63239	1.21
3 Carbon Dioxide	3.485	3.375	0.110	111249239	0.21884	0.418
9 Oxygen	8.307	8.336	-0.029	2068838710	6.63342	12.7
10 Nitrogen	8.506	8.549	-0.043	31074951692	91.3625	174
12 Carbon Monoxide	Compound Not Detected.					

85% by diff.
gm
6/2/10

Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/01Jun2010.b/9060122b.d
Lab Smp Id: 1005453B-02A
Inj Date : 01-JUN-2010 19:00
Operator : gd
Smp Info : 1.0mL,13667;1005453B-02A;
Misc Info : 9.0"Hg->5psi
Comment : GC/TCD
Method : /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Meth Date : 01-Jun-2010 17:45 lychanne
Cal Date : 01-JUN-2010 17:29
Als bottle: 1
Dil Factor: 1.91000
Integrator: HP Genie
Target Version: 3.50
Processing Host: eeyore

Inst ID: gc9.i
Quant Type: ESTD
Cal File: 9060118b.d
Compound Sublist: ngas.sub

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (%)	FINAL (%)
2 Hydrogen	1.280	1.285	-0.005	35977472	0.37544	0.717
1 Helium	1.147	1.143	0.004	31328841	0.47532	0.908
3 Carbon Dioxide	3.489	3.375	0.114	26418866	0.05197	0.0993
9 Oxygen	8.305	8.336	-0.031	2375600181	7.61701	14.5
10 Nitrogen	8.506	8.549	-0.043	30896445023	90.8377	174
12 Carbon Monoxide	Compound Not Detected.					

✓
84% by a/g
pm
6/2/10

Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/02Jun2010.b/9060209b.d
Lab Smp Id: 1005453B-03A
Inj Date : 02-JUN-2010 14:02
Operator : ly
Smp Info : 1.0mL,33382;1005453B-03A;
Misc Info : 8.4"Hg.5.0psi, Exponent
Comment : GC/TCD
Method : /chem/gc9.i/02Jun2010.b/910n0430.m/910C0417.m
Meth Date : 02-Jun-2010 22:28 lyohanne
Cal Date : 02-JUN-2010 10:32
Als bottle: 1
Dil Factor: 1.86000
Integrator: HP Genie
Target Version: 3.50
Processing Host: eeyore

Inst ID: gc9.i

Quant Type: ESTD

Cal File: 9060201b.d

Compound Sublist: ngas.sub

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (%)	FINAL (%)
2 Hydrogen	1.279	1.285	-0.006	6100005	0.05845	0.109
1 Helium	1.147	1.146	0.001	26350381	0.39526	0.735
3 Carbon Dioxide	3.478	3.348	0.130	19165920	0.03805	0.0708
9 Oxygen	8.297	8.330	-0.033	3284279327	10.4726	19.5
10 Nitrogen	8.504	8.540	-0.036	30143106003	88.3070	164
12 Carbon Monoxide	Compound Not Detected.					

79.1 by diff.

jm
6/3/10

Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/02Jun2010.b/9060210b.d
Lab Smp Id: 1005453B-03AA
Inj Date : 02-JUN-2010 14:24
Operator : gd
Smp Info : 1.0mL,33382;1005453B-03AA;
Misc Info : 8.4"Hg.5.0psi, Exponent
Comment : GC/TCD
Method : /chem/gc9.i/02Jun2010.b/910n0430.m/910C0417.m
Meth Date : 02-Jun-2010 22:28 lyohanne
Cal Date : 02-JUN-2010 10:32
Als bottle: 1
Dil Factor: 1.86000
Integrator: HP Genie
Target Version: 3.50
Processing Host: eeyore

Inst ID: gc9.i

Quant Type: ESTD
Cal File: 9060201b.d

Compound Sublist: ngas.sub

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (%)	FINAL (%)
2 Hydrogen	1.279	1.285	-0.006	6226253	0.05966	0.111
1 Helium	1.147	1.146	0.001	26352353	0.39529	0.735
3 Carbon Dioxide	3.478	3.348	0.130	19878182	0.03947	0.0734
9 Oxygen	8.297	8.330	-0.033	3281318956	10.4632	19.5
10 Nitrogen	8.507	8.540	-0.033	30139241574	88.2957	164
12 Carbon Monoxide	Compound Not Detected.					

79-1. by *ajf*
gm
4/3/10

Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/01Jun2010.b/9060125b.d
Lab Smp Id: 1005453B-05A
Inj Date : 01-JUN-2010 20:54
Operator : gd
Smp Info : 1.0mL,34725;1005453B-05A;
Misc Info : 8.6"Hg->5psi
Comment : GC/TCD
Method : /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Meth Date : 01-Jun-2010 17:45 lyohanne
Cal Date : 01-JUN-2010 17:29
Als bottle: 1
Dil Factor: 1.88000
Integrator: HP Genie
Target Version: 3.50
Processing Host: eeyore

Inst ID: gc9.i
Quant Type: ESTD
Cal File: 9060118b.d
Compound Sublist: ngas.sub

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable

Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (%)	FINAL (%)
2 Hydrogen	1.277	1.285	-0.008	3127333	0.03264	0.0614
1 Helium	Compound Not Detected.					
3 Carbon Dioxide	3.498	3.375	0.123	36986222	0.07276	0.137
9 Oxygen	8.300	8.336	-0.036	3096161348	9.92738	18.7
10 Nitrogen	8.509	8.549	-0.040	30386852583	89.3395	168
12 Carbon Monoxide	Compound Not Detected.					

81-1. by aijt
gm
6/2/10

Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/01Jun2010.b/9060126b.d
Lab Smp Id: 1005453B-14A
Inj Date : 01-JUN-2010 21:25
Operator : gd
Smp Info : 1.0mL,34371;1005453B-14A;
Misc Info : 9.8"Hg->5psi
Comment : GC/TCD
Method : /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Meth Date : 01-Jun-2010 17:45 lyohanne
Cal Date : 01-JUN-2010 17:29
Als bottle: 1
Dil Factor: 1.99000
Integrator: HP Genie
Target Version: 3.50
Processing Host: eeyore

Inst ID: gc9.i
Quant Type: ESTD
Cal File: 9060118b.d
Compound Sublist: ngas.sub

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (%)	FINAL (%)
2 Hydrogen	Compound Not Detected.					
1 Helium	1.143	1.143	0.000	4076694	0.06185	0.123
3 Carbon Dioxide	3.491	3.375	0.116	119107981	0.23430	0.466
9 Oxygen	8.297	8.336	-0.039	3323734581	10.6571	21.2
10 Nitrogen	8.507	8.549	-0.042	30085419012	88.4532	176
12 Carbon Monoxide	Compound Not Detected.					

78% by diff
gm
6/2/10

Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/01Jun2010.b/9060127b.d
Lab Smp Id: 1005453B-15A
Inj Date : 01-JUN-2010 21:47
Operator : gd
Smp Info : 1.0mL,4188;1005453B-15A;
Misc Info : 10"Hg->5psi
Comment : GC/TCD
Method : /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Meth Date : 01-Jun-2010 17:45 lyohanne
Cal Date : 01-JUN-2010 17:29
Als bottle: 1
Dil Factor: 2.01000
Integrator: HP Genie
Target Version: 3.50
Processing Host: eeyore

Inst ID: gc9.i
Quant Type: ESTD
Cal File: 9060118b.d
Compound Sublist: ngas.sub

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	CONCENTRATIONS					
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (%)	FINAL (%)
2 Hydrogen	Compound Not Detected.					
1 Helium	1.144	1.143	0.001	11397918	0.17293	0.348
3 Carbon Dioxide	3.496	3.375	0.121	69645269	0.13700	0.275
9 Oxygen	8.298	8.336	-0.038	3270579494	10.4866	21.1
10 Nitrogen	8.508	8.549	-0.041	30132075114	88.5904	178
12 Carbon Monoxide	Compound Not Detected.					

78.1 by ayt

gm
6/2/10

Air Toxics Ltd.

Modified ASTM D-1945

Data file : /chem/gc9.i/01Jun2010.b/9060128b.d
Lab Smp Id: 1005453B-16A
Inj Date : 01-JUN-2010 22:10
Operator : gd
Smp Info : 1.0mL,35170;1005453B-16A;
Misc Info : 8.8"Hg->5psi
Comment : GC/TCD
Method : /chem/gc9.i/01Jun2010.b/910n0430.m/910C0417.m
Meth Date : 01-Jun-2010 17:45 lyohanne
Cal Date : 01-JUN-2010 17:29
Als bottle: 1
Dil Factor: 1.90000
Integrator: HP Genie
Target Version: 3.50
Processing Host: eeyore

Inst ID: gc9.i
Quant Type: ESTD
Cal File: 9060118b.d
Compound Sublist: ngas.sub

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (%)	FINAL (%)
2 Hydrogen				Compound Not Detected.		
1 Helium	1.143	1.143	0.000	7082325	0.10745	0.204
3 Carbon Dioxide	3.497	3.375	0.122	70656038	0.13899	0.264
9 Oxygen	8.298	8.336	-0.038	3448998131	11.0587	21.0
10 Nitrogen	8.511	8.549	-0.038	29951975026	88.0609	78.4
12 Carbon Monoxide				Compound Not Detected.		

78.4 by ayt.

DILUTION FACTORS

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Vacuum}} = \frac{14.7 \text{ psi} + \text{Final Pressure (psi)}}{14.7 \text{ psi} - [(\text{Initial Pressure ("Hg)}) (14.7 \text{ psi} / 30 \text{ "Hg})]}$$

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Pressure}} = \frac{14.7 \text{ psi} + \text{Final Pressure (psi)}}{14.7 \text{ psi} + \text{Initial Pressure (psi)}}$$

Initial Vacuum ("Hg)	5 psi Final Press. Dil. Factor	10 psi Final Press. Dil. Factor	15 psi Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.5	1.36	1.71	2.05
1.0	1.39	1.74	2.09
1.5	1.41	1.77	2.13
2.0	1.44	1.80	2.16
2.5	1.46	1.83	2.20
3.0	1.49	1.87	2.24
3.5	1.52	1.90	2.29
4.0	1.55	1.94	2.33
4.5	1.58	1.98	2.38
5.0	1.61	2.02	2.42
5.5	1.64	2.06	2.47
6.0	1.68	2.10	2.53
6.5	1.71	2.15	2.58
7.0	1.75	2.19	2.64
7.5	1.79	2.24	2.69
8.0	1.83	2.29	2.76
8.5	1.87	2.34	2.82
9.0	1.91	2.40	2.89
9.5	1.96	2.46	2.96
10.0	2.01	2.52	3.03
10.5	2.06	2.59	3.11
11.0	2.12	2.65	3.19
11.5	2.17	2.72	3.28
12.0	2.23	2.80	3.37
12.5	2.30	2.88	3.46
13.0	2.36	2.97	3.57
13.5	2.44	3.06	3.67
14.0	2.51	3.15	3.79
14.5	2.59	3.25	3.91
15.0	2.68	3.36	4.04
15.5	2.77	3.48	4.18
16.0	2.87	3.60	4.33
16.5	2.98	3.73	4.49
17.0	3.09	3.88	4.66
17.5	3.22	4.03	4.85
18.0	3.35	4.20	5.05
18.5	3.50	4.38	5.27
19.0	3.65	4.58	5.51
19.5	3.83	4.80	5.77
20.0	4.02	5.04	6.06
20.5	4.23	5.31	6.38

Initial Vacuum ("Hg)	5 psi Final Press. Dil. Factor	10 psi Final Press. Dil. Factor	15 psi Final Press. Dil. Factor
21.0	4.47	5.60	6.73
21.5	4.73	5.93	7.13
22.0	5.03	6.30	7.58
22.5	5.36	6.72	8.08
23.0	5.74	7.20	8.66
23.5	6.19	7.76	9.32
24.0	6.70	8.40	10.10
24.5	7.31	9.17	11.02
25.0	8.04	10.08	12.12
25.5	8.93	11.20	13.47
26.0	10.05	12.60	15.15
26.5	11.49	14.40	17.32
27.0	13.40	16.80	20.20
27.5	16.08	20.16	24.24
28.0	20.10	25.20	30.31
28.5	26.80	33.61	40.41
29.0	40.20	50.41	60.61

Initial Pressure (psi)	5 psi Final Press. Dil. Factor	10 psi Final Press. Dil. Factor	15 psi Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.2	1.32	1.66	1.99
0.4	1.30	1.64	1.97
0.6	1.29	1.61	1.94
0.8	1.27	1.59	1.92
1.0	1.25	1.57	1.89
1.2	1.24	1.55	1.87
1.4	1.22	1.53	1.84
1.6	1.21	1.52	1.82
1.8	1.19	1.50	1.80
2.0	1.18	1.48	1.78
2.2	1.17	1.46	1.76
2.4	1.15	1.44	1.74
2.6	1.14	1.43	1.72
2.8	1.13	1.41	1.70
3.0	1.11	1.40	1.68
3.2	1.10	1.38	1.66
3.4	1.09	1.36	1.64
3.6	1.08	1.35	1.62
3.8	1.06	1.34	1.61
4.0	1.05	1.32	1.59

DILUTION FACTORS

$$\text{Dilution Factor} = \frac{\text{Final Pressure}}{\text{Initial Pressure}} = \frac{14.7 \text{ psi} + \text{Final Pressure (psi)}}{14.7 \text{ psi} + \text{Initial Pressure (psi)}}$$

Initial Pressure (psi)	5 psi Final Press. Dil. Factor	10 psi Final Press. Dil. Factor	15 psi Final Press. Dil. Factor
0.0	1.34	1.68	2.02
0.2	1.32	1.66	1.99
0.4	1.30	1.64	1.97
0.6	1.29	1.61	1.94
0.8	1.27	1.59	1.92
1.0	1.25	1.57	1.89
1.2	1.24	1.55	1.87
1.4	1.22	1.53	1.84
1.6	1.21	1.52	1.82
1.8	1.19	1.50	1.80
2.0	1.18	1.48	1.78
2.2	1.17	1.46	1.76
2.4	1.15	1.44	1.74
2.6	1.14	1.43	1.72
2.8	1.13	1.41	1.70
3.0	1.11	1.40	1.68
3.2	1.10	1.38	1.66
3.4	1.09	1.36	1.64
3.6	1.08	1.35	1.62
3.8	1.06	1.34	1.61
4.0	1.05	1.32	1.59
4.2	1.04	1.31	1.57
4.4	1.03	1.29	1.55
4.6	1.02	1.28	1.54
4.8	1.01	1.27	1.52
5.0	1.00	1.25	1.51
5.2	NA	1.24	1.49
5.4	NA	1.23	1.48
5.6	NA	1.22	1.46
5.8	NA	1.20	1.45
6.0	NA	1.19	1.43
6.2	NA	1.18	1.42
6.4	NA	1.17	1.41
6.6	NA	1.16	1.39
6.8	NA	1.15	1.38
7.0	NA	1.14	1.37
7.2	NA	1.13	1.36
7.4	NA	1.12	1.34

Initial Pressure (psi)	5 psi Final Press. Dil. Factor	10 psi Final Press. Dil. Factor	15 psi Final Press. Dil. Factor
7.6	NA	1.11	1.33
7.8	NA	1.10	1.32
8.0	NA	1.09	1.31
8.2	NA	1.08	1.30
8.4	NA	1.07	1.29
8.6	NA	1.06	1.27
8.8	NA	1.05	1.26
9.0	NA	1.04	1.25
9.2	NA	1.03	1.24
9.4	NA	1.02	1.23
9.6	NA	1.02	1.22
9.8	NA	1.01	1.21
10.0	NA	1.00	1.20
10.2	NA	NA	1.19
10.4	NA	NA	1.18
10.6	NA	NA	1.17
10.8	NA	NA	1.16
11.0	NA	NA	1.16
11.2	NA	NA	1.15
11.4	NA	NA	1.14
11.6	NA	NA	1.13
11.8	NA	NA	1.12
12.0	NA	NA	1.11
12.2	NA	NA	1.10
12.4	NA	NA	1.10
12.6	NA	NA	1.09
12.8	NA	NA	1.08
13.0	NA	NA	1.07
13.2	NA	NA	1.06
13.4	NA	NA	1.06
13.6	NA	NA	1.05
13.8	NA	NA	1.04
14.0	NA	NA	1.03
14.2	NA	NA	1.03
14.4	NA	NA	1.02
14.6	NA	NA	1.01
14.8	NA	NA	1.01

Compound List

Modified ASTM D-1945 + He

CAS Number	Compound	Detection Limit	Type
		%	
7782-44-7	Oxygen	0.10	
7727-37-9	Nitrogen	0.10	
630-08-0	Carbon Monoxide	0.010	
74-82-8	Methane	0.00010	
124-38-9	Carbon Dioxide	0.010	
74-84-0	Ethane	0.0010	
74-85-1	Ethene	0.0010	
74-86-2	Acetylene	0.0010	
74-98-6	Propane	0.0010	
75-28-5	Isobutane	0.0010	
106-97-8	Butane	0.0010	
463-82-1	Neopentane	0.0010	
78-78-4	Isopentane	0.0010	
109-66-0	Pentane	0.0010	
C6+	C6+	0.010	
1333-74-0	Hydrogen	0.010	
7440-59-7	Helium	0.050	

DATA REVIEW CHECKLIST

Work Order #:

1005453 B

- | | | | | | | |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Analysis/Reporting vs. Project Profile/SOP requirements checked (i.e. 100% Dups, J-Flag to MDL, etc) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | The final report has the correct reporting list, special units, and header info. |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Non-Standard sublist printed/verified, LOQ and LOD verified |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Lab Narrative is correct (proper method & description/Receiving & Analytical notes correct) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Sample Discrepancy Report (SDR) is completed |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Corrective Action issued - # _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Unusual circumstances have been documented in the notes section below |
- LUMEN validation report present and initialed** **CIRCLE (YES / NO)**
- | | | | | | | |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Lab Blank, CCV, LCS and DUP met QC criteria |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Hold time is met for all samples |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate data qualifier flags are applied |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Manual integrations for samples and QC are properly documented |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Samples analyzed within the project or method specific clock |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Retention times have been verified |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Appropriate ICAL(s) included |
- | | | | | | | |
|-------------------------------------|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | At least one result per sample is verified against the target quant sheets/raw data |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Dilution factor correctly calculated (sample load volume, syringe and bag dilutions, can pressurization(s)) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Correct amount of sample analyzed (i.e. sample not over-diluted) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Spectra verified - documentation of spectral defense included (Section 5A of eCVP pkg) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | TICs resemble reference spectra |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | TICs between duplicate samples are consistent |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Checked samples for trends (i.e. Influent vs. Effluent, Field Dups, Field/Trip Blank, etc.) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Data for multiple analyses of sample(s) has been evaluated for comparability of results |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Special units for all samples in the final report are correctly calculated |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Manually entered results checked (i.e. TPH/NMOC) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Chain of Custody verified for any special comments (i.e. different compounds/RLs, action levels) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Chain of Custody scanned correctly |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Verify sample id's vs. chain of custody |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Date MDL(s) performed per instrument(s) 10/24/09, 1/29/10, 1/4/10 |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Samples pressurized w/ appropriate gas (N ₂ or He) <input type="checkbox"/> Other (i.e. Tedlar bag, cartridge, sorbent) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Final pressure consistent with canister size (6L vs. 1L) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Verify receipt pressures |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Verify canister ID #'s |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Final invoice amount correct (adjusted for TAT, Penalties, Re-issue Charges etc.) |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Client LUMEN report reviewed for accuracy and completeness |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Final PDF report reviewed for correctness |

Notes: (to include: noting samples with QA/QC problems, Blanks with positive hits, narratives, etc.)

A/R: Dup - O1A, O3A

N₂ by difference

O3A - ran on 6/2/10

M/Q:

A ₁ /A ₂ (Analytical Review/Date)	R/T (Reporting Review/Date)	M (Management Review/Date)	Q (QA Review/Date)
A ₁ : <u>gm 6/1/10</u>	R: <u>gm 6/2/10</u> <u>gm 6/3/10</u>	<u>6/3/10</u>	
A ₂ : _____	T: _____		

Note (1): Please check all the appropriate boxes. Indicate "NA" for any statement that does not apply.
 Note (2): Management reviewer and reporting reviewer must be separate individuals.

Not Applicable



**Air
Toxics LTD.**
Laboratory Services Since 1989

Electronic Comprehensive Validation Package (eCVP)



AN ENVIRONMENTAL ANALYTICAL LABORATORY

COMPREHENSIVE VALIDATION PACKAGE

Siloxanes

INVENTORY SHEET

Work Order #: 1005453C

Page Nos.

	From	To
1. Work Order Cover Page & Laboratory Narrative	1	4
a. <u>Lumen Validation Report</u>	--	--
2. Sample Results and Raw Data (Organized by Sample)	5	181
a. ATL Sample Results Form		
b. Target Compound Raw Data		
-Internal Standard Area and Retention Time Summary		
-Surrogate Recovery Summary (If Applicable)		
-Chromatogram(s) and Ion Profiles (If Applicable)		
3. QC Results and Raw Data		
a. Method Blank (Results+ Raw Data)	182	202
b. Surrogate Recover Summary Form (If Applicable)	203	204
c. Internal Standard Summary Form (If Applicable)	205	208
d. Duplicate Results Summary Sheet	209	209
e. Matrix Spike/Matrix Spike Duplicate (Results + Raw Data)	--	--
f. Initial Calibration Data (Summary Sheet + Raw Data)	210	249
g. MDL Study (If Applicable)	--	--
h. Continuing Calibration Verification Data (Summary Sheet	250	265
i. Second Source LCS(Summary + Raw Data)	266	305
j. Extraction Logs	--	--
k. Instrument Run Logs/Software Verification	306	311
l. GC/MS Tune (Results + Raw Data)	312	341
4. Shipping/Receiving Documents		
a. Login Receipt Summary Sheet	342	343
b. Chain-of-Custody Records	344	355
c. Sample Log-In Sheet	356	357
d. Misc Shipping/Receiving Records (list of individual records)		
<u>Sample Receipt Discrepancy Report</u>	358	360
5. Other Records (describe or list)		
a. <u>Manual Spectral Defense</u>	--	--
b. <u>Manual Integrations</u>	--	--
c. <u>Manual Calculations</u>	--	--
d. <u>Canister Dilution Factors</u>	--	--
e. <u>Laboratory Corrective Action Request</u>	--	--
f. <u>CAS Number Reference</u>	362	362
g. <u>Variance Table</u>	--	--
h. <u>Canister Certification</u>	--	--
i. <u>Data Review Check Sheet</u>	363	363

Comments:

Completed by:

Kara McKiernan

Kara McKiernan / Document Control

6/7/10

(Signature)

(Print Name & Title)

(Date)

WORK ORDER #: 1005453C

Work Order Summary

CLIENT:	Ms. Melissa Kleven Exponent 15375 SE 30th Place Suite 250 Bellevue, WA 98007	BILL TO:	Ms. Melissa Kleven Exponent 15375 SE 30th Place Suite 250 Bellevue, WA 98007
PHONE:	425-519-8774	P.O. #	
FAX:	425-643-9827	PROJECT #	0907194.000.0601 Heglar - Kronquist
DATE RECEIVED:	05/19/2010	CONTACT:	Karen Lopez
DATE COMPLETED:	06/02/2010		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
17AB	GV-1	Siloxanes
17ABB	GV-1 Lab Duplicate	Siloxanes
18AB	GV-6	Siloxanes
19AB	GV-7	Siloxanes
20AB	GV-11	Siloxanes
21AB	AOS-1	Siloxanes
22AB	GV-9	Siloxanes
23AB	GV-10	Siloxanes
24AB	GV-12	Siloxanes
25AB	ALF-1	Siloxanes
26AB	ALF-2	Siloxanes
27AB	ALF-3	Siloxanes
28AB	ALF-4	Siloxanes
29AB	ALF-5	Siloxanes
30AB	AOS-2	Siloxanes
31AB	AOS-3	Siloxanes
32AB	GV-13	Siloxanes

Continued on next page

WORK ORDER #: 1005453C

Work Order Summary

CLIENT: Ms. Melissa Kleven
Exponent
15375 SE 30th Place
Suite 250
Bellevue, WA 98007

BILL TO: Ms. Melissa Kleven
Exponent
15375 SE 30th Place
Suite 250
Bellevue, WA 98007

PHONE: 425-519-8774

P.O. #

FAX: 425-643-9827

PROJECT # 0907194.000.0601 Heglar - Kronquist

DATE RECEIVED: 05/19/2010

CONTACT: Karen Lopez

DATE COMPLETED: 06/02/2010

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
33A	Lab Blank	Siloxanes
33B	Lab Blank	Siloxanes
33C	Lab Blank	Siloxanes
33D	Lab Blank	Siloxanes
34A	LCS	Siloxanes
34B	LCS	Siloxanes
34C	LCS	Siloxanes
34D	LCS	Siloxanes

CERTIFIED BY:



Laboratory Director

DATE: 06/03/10

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Siloxanes
Exponent
Workorder# 1005453C

Thirty-two Vial samples were received on May 19, 2010. The laboratory performed analysis for siloxanes by GC/MS. A sample volume of 1.0 uL was injected directly onto the GC column. Initial results are in ug/mL. The units are converted to total micrograms (ug) by multiplying the result (ug/mL) by the total volume (mL) contained in the impinger. See the data sheets for the reporting limits for each compound.

Receiving Notes

Front and back impinger samples GV9, GV10 and GV12 were received in non-uniquely labeled vials. Because the reported results are an additive combination of the two vials the discrepancy was noted in the Sample Receipt Confirmation email/fax and the analysis proceeded. Each vial was given a unique laboratory identification number.

Analytical Notes

Impinger volumes were measured at the laboratory using a graduated cylinder and documented in the analytical logbook.

A front and back impinger was received for each sample. Each impinger was analyzed separately. The results for each analyte were then additively combined and reported as a single concentration. The reported surrogate recovery is derived from the front impinger analysis only.

Sampling volume was supplied by the client. A sample volume of 22 L was assumed for all QC samples.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated Value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Table 1

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Date Extracted	Sample	Sample Extract		
					Holding Time (Days)	Date Analyzed	Holding Time (Days)	Sample Condition
GV-1	1005453C-17AB	5/16/2010	5/19/2010	NA	12	5/28/2010	NA	Good
GV-1 Lab Duplicate	1005453C-17AB	5/16/2010	5/19/2010	NA	12	5/28/2010	NA	Good
GV-6	1005453C-18AB	5/16/2010	5/19/2010	NA	12	5/28/2010	NA	Good
GV-7	1005453C-19AB	5/16/2010	5/19/2010	NA	12	5/28/2010	NA	Good
GV-11	1005453C-20AB	5/16/2010	5/19/2010	NA	12	5/28/2010	NA	Good
AOS-1	1005453C-21AB	5/17/2010	5/19/2010	NA	11	5/28/2010	NA	Good
GV-9	1005453C-22AB	5/15/2010	5/19/2010	NA	13	5/28/2010	NA	Good
GV-10	1005453C-23AB	5/15/2010	5/19/2010	NA	13	5/28/2010	NA	Good
GV-12	1005453C-24AB	5/15/2010	5/19/2010	NA	13	5/28/2010	NA	Good
ALF-1	1005453C-25AB	5/17/2010	5/19/2010	NA	12	5/29/2010	NA	Good
ALF-2	1005453C-26AB	5/17/2010	5/19/2010	NA	12	5/29/2010	NA	Good
ALF-3	1005453C-27AB	5/17/2010	5/19/2010	NA	12	5/29/2010	NA	Good
ALF-4	1005453C-28AB	5/17/2010	5/19/2010	NA	12	5/29/2010	NA	Good
ALF-5	1005453C-29AB	5/17/2010	5/19/2010	NA	3	5/20/2010	NA	Good
AOS-2	1005453C-30AB	5/17/2010	5/19/2010	NA	3	5/20/2010	NA	Good
AOS-3	1005453C-31AB	5/17/2010	5/19/2010	NA	9	5/26/2010	NA	Good
GV-13	1005453C-32AB	5/16/2010	5/19/2010	NA	10	5/26/2010	NA	Good
Lab Blank	1005453C-33A	NA	NA	NA	NA	5/26/2010	NA	Good
Lab Blank	1005453C-33B	NA	NA	NA	NA	5/28/2010	NA	Good
Lab Blank	1005453C-33C	NA	NA	NA	NA	5/28/2010	NA	Good
Lab Blank	1005453C-33D	NA	NA	NA	NA	5/20/2010	NA	Good
LCS	1005453C-34A	NA	NA	NA	NA	5/26/2010	NA	Good
LCS	1005453C-34B	NA	NA	NA	NA	5/28/2010	NA	Good
LCS	1005453C-34C	NA	NA	NA	NA	5/28/2010	NA	Good
LCS	1005453C-34D	NA	NA	NA	NA	5/20/2010	NA	Good

Sample Results and Raw Data

**Summary of Detected Compounds
SILOXANES - GC/MS**

Client Sample ID: GV-1

Lab ID#: 1005453C-17AB

No Detections Were Found.



Client Sample ID: GV-1
 Lab ID#: 1005453C-17AB
 SILOXANES - GC/MS

File Name:	k052811	Date of Collection: 5/16/10 3:38:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/28/10 01:13 PM

Compound	Rpt. Limit (ug)	Amount (ug)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Octamethylcyclotetrasiloxane (D4)	29	Not Detected	1400	Not Detected
Decamethylcyclopentasiloxane (D5)	29	Not Detected	1400	Not Detected
Dodecamethylcyclohexasiloxane (D6)	58	Not Detected	2800	Not Detected
Hexamethyldisiloxane	29	Not Detected	1400	Not Detected
Octamethyltrisiloxane	29	Not Detected	1400	Not Detected

Air Sample Volume(L): 20.7
 Impinger Total Volume(mL): 28.9
 Container Type: Vial

Surrogates	%Recovery	Method Limits
Hexamethyl disiloxane -d18	104	70-130

Air Toxics Ltd.

Siloxane Analysis by GC/MS

Data file : /chem/msdk.i/k28may10.b/k052811.d
Lab Smp Id: 1005453C-17AB
Inj Date : 28-MAY-2010 13:13
Operator : LZ Inst ID: msdk.i
Smp Info : ;1005453C-17A;
Misc Info :
Comment : HP5MS 30m x 0.25 mm 0.25u
Method : /chem/msdk.i/k28may10.b/k10k0323.m
Meth Date : 28-May-2010 12:24 lzhang Quant Type: ISTD
Cal Date : 23-MAR-2010 18:31 Cal File: k032312.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: silo.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * v * CpndVariable
v 13.70000 final volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (uG/mL)	FINAL (ug)
*****	====	==	=====	=====	=====	=====	
* 3 Benzene-d6	84	2.862	2.872	(1.000)	836494	40.0000	
\$ 4 Hexamethyldisiloxane-d18	162	2.924	2.924	(1.022)	1446194	41.5464	41.5
5 hexamethyldisiloxane(mm)	147			Compound Not Detected.			
* 6 Toluene-d8	98	5.139	5.148	(1.000)	766155	40.0000	
7 octamethyltrisiloxane(mdm)	221			Compound Not Detected.			
* 8 4-Bromofluorobenzene	174	8.377	8.377	(1.000)	248409	40.0000	
9 octa-m-cyclotetrasiloxane(d4)	281			Compound Not Detected.			
10 deca-m-cyclopentasiloxane(d5)	267			Compound Not Detected.			
165 Dodeca-mcyclohexasiloxane(d6)	341			Compound Not Detected.			

Air Toxics Ltd.

Siloxane Analysis by GC/MS

Data file : /chem/msdk.i/k28may10.b/k052812.d
Lab Smp Id: 1005453C-17B
Inj Date : 28-MAY-2010 13:36
Operator : LZ Inst ID: msdk.i
Smp Info : ;1005453C-17B;
Misc Info :
Comment : HP5MS 30m x 0.25 mm 0.25u
Method : /chem/msdk.i/k28may10.b/k10k0323.m
Meth Date : 28-May-2010 12:24 lzhang Quant Type: ISTD
Cal Date : 23-MAR-2010 18:31 Cal File: k032312.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: silo.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * v * CpndVariable
v 15.20000 final volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (uG/mL)	FINAL (ug)
*****	****	==	*****	*****	*****	*****	
* 3 Benzene-d6	84	2.871	2.872	(1.000)	795811	40.0000	
\$ 4 Hexamethyldisiloxane-d18	162	2.923	2.924	(1.018)	1325403	40.0229 40.0	
5 hexamethyldisiloxane(mm)	147	Compound Not Detected.					
* 6 Toluene-d8	98	5.138	5.148	(1.000)	737945	40.0000	
7 octamethyltrisiloxane(mdm)	221	Compound Not Detected.					
* 8 4-Bromofluorobenzene	174	8.366	8.377	(1.000)	253913	40.0000	
9 octa-m-cyclotetrasiloxane(d4)	281	Compound Not Detected.					
10 deca-m-cyclopentasiloxane(d5)	267	Compound Not Detected.					
165 Dodeca-mcyclohexasiloxane(d6)	341	Compound Not Detected.					

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdk.i
Lab File ID: k052811.d
Lab Smp Id: 1005453C-17AB
Analysis Type: SV
Quant Type: ISTD
Operator: LZ
Method File: /chem/msdk.i/k28may10.b/k10k0323.m
Misc Info:

Calibration Date: 28-MAY-2010
Calibration Time: 11:58
Level: MED
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	819981	409990	1639962	836494	2.01
6 Toluene-d8	797846	398923	1595692	766155	-3.97
8 4-Bromofluorobenz	279522	139761	559044	248409	-11.13

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	2.87	2.37	3.37	2.86	-0.34
6 Toluene-d8	5.15	4.65	5.65	5.14	-0.19
8 4-Bromofluorobenz	8.38	7.88	8.88	8.38	0.01

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdk.i
Lab File ID: k052812.d
Lab Smp Id: 1005453C-17B
Analysis Type: SV
Quant Type: ISTD
Operator: LZ
Method File: /chem/msdk.i/k28may10.b/k10k0323.m
Misc Info:

Calibration Date: 28-MAY-2010
Calibration Time: 11:58
Level: MED
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	819981	409990	1639962	795811	-2.95
6 Toluene-d8	797846	398923	1595692	737945	-7.51
8 4-Bromofluorobenz	279522	139761	559044	253913	-9.16

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	2.87	2.37	3.37	2.87	-0.02
6 Toluene-d8	5.15	4.65	5.65	5.14	-0.21
8 4-Bromofluorobenz	8.38	7.88	8.88	8.37	-0.13

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: k28may10
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1005453C-17AB
Level: MED Operator: LZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS50.spk Quant Type: ISTD
Sublist File: silo.sub
Method File: /chem/msdk.i/k28may10.b/k10k0323.m
Misc Info:

SURROGATE COMPOUND	AMOUNT ADDED uG/mL	AMOUNT RECOVERED uG/mL	% RECOVERED	LIMITS
\$ 4 Hexamethyldisiloxa	40.0	41.5	103.87	70-130

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: k28may10
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1005453C-17B
Level: MED Operator: LZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS50.spk Quant Type: ISTD
Sublist File: silo.sub
Method File: /chem/msdk.i/k28may10.b/k10k0323.m
Misc Info:

SURROGATE COMPOUND	AMOUNT ADDED uG/mL	AMOUNT RECOVERED uG/mL	% RECOVERED	LIMITS
\$ 4 Hexamethyldisiloxa	40.0	40.0	100.06	70-130

Data File: /chem/msdk.i/k28mag10.b/k052811.d

Date: 28-May-2010 13:13

Client ID:

Sample Info: #10054530-17A#

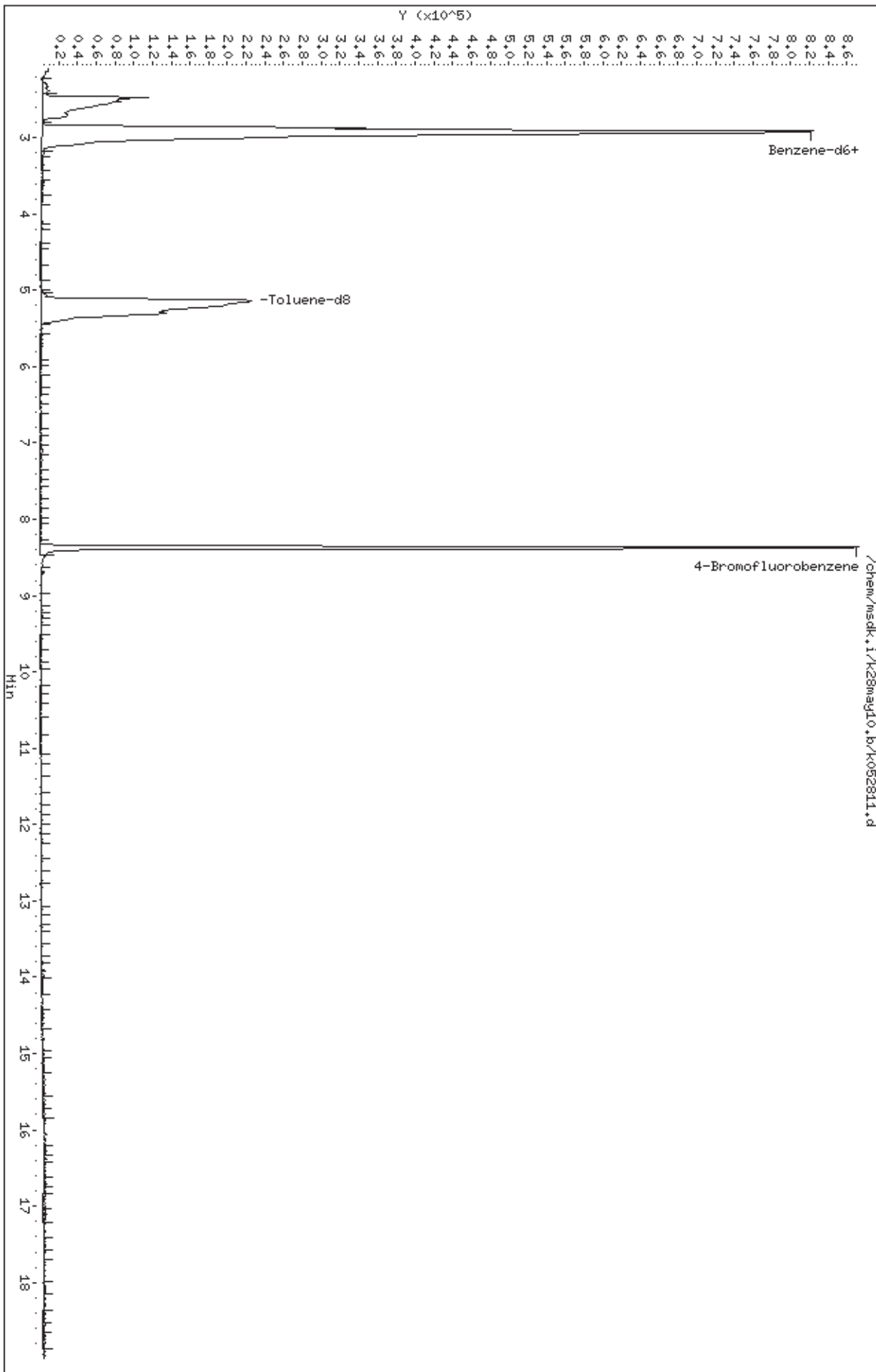
Column phase: DB-5.625

Instrument: msdk.i

Operator: LZ

Column diameter: 0.25

Page 1



Data File: /chem/msdk.i/k28maj10.b/k052812.d

Date: 28-May-2010 13:36

Client ID:

Sample Info: #10054530-17B#

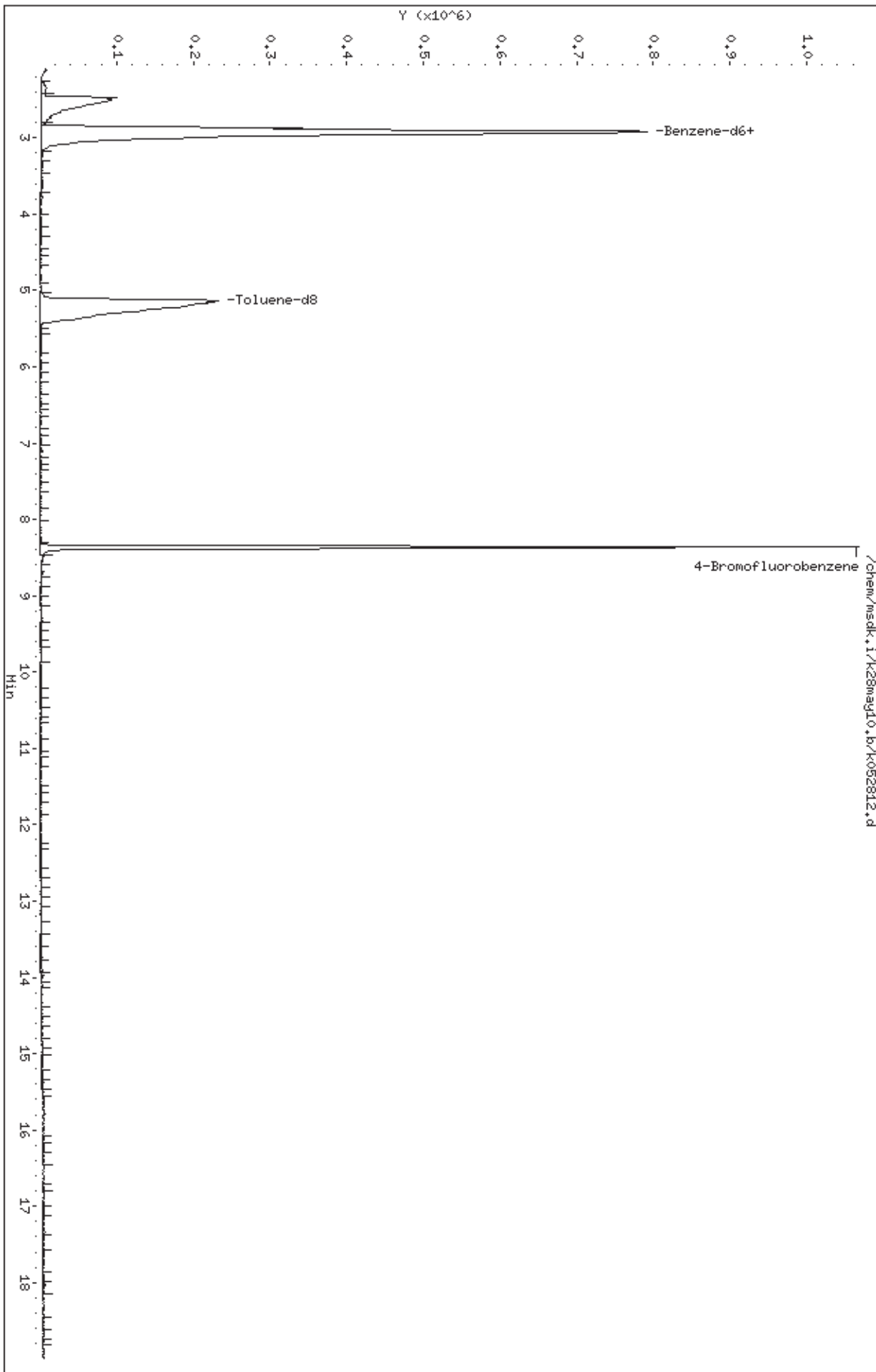
Column phase: DB-5.625

Instrument: msdk.i

Operator: LZ

Column diameter: 0.25

Page 1





Summary of Detected Compounds
SILOXANES - GC/MS

Client Sample ID: GV-1 Lab Duplicate

Lab ID#: 1005453C-17ABB

No Detections Were Found.



Client Sample ID: GV-1 Lab Duplicate

Lab ID#: 1005453C-17ABB

SILOXANES - GC/MS

File Name:	k052813	Date of Collection:	5/16/10 3:38:00 PM
Dil. Factor:	1.00	Date of Analysis:	5/28/10 02:00 PM

Compound	Rpt. Limit (ug)	Amount (ug)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Octamethylcyclotetrasiloxane (D4)	29	Not Detected	1400	Not Detected
Decamethylcyclopentasiloxane (D5)	29	Not Detected	1400	Not Detected
Dodecamethylcyclohexasiloxane (D6)	58	Not Detected	2800	Not Detected
Hexamethyldisiloxane	29	Not Detected	1400	Not Detected
Octamethyltrisiloxane	29	Not Detected	1400	Not Detected

Air Sample Volume(L): 20.7

Impinger Total Volume(mL): 28.9

Container Type: Vial

Surrogates	%Recovery	Method Limits
Hexamethyl disiloxane -d18	101	70-130

Air Toxics Ltd.

Siloxane Analysis by GC/MS

Data file : /chem/msdk.i/k28may10.b/k052813.d
Lab Smp Id: 1005453C-17ABB
Inj Date : 28-MAY-2010 14:00
Operator : LZ Inst ID: msdk.i
Smp Info : ;1005453C-17AA;
Misc Info :
Comment : HP5MS 30m x 0.25 mm 0.25u
Method : /chem/msdk.i/k28may10.b/k10k0323.m
Meth Date : 28-May-2010 12:24 lzhang Quant Type: ISTD
Cal Date : 23-MAR-2010 18:31 Cal File: k032312.d
Als bottle: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: silo.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * v * CpndVariable
v 13.70000 final volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (uG/mL)	FINAL (ug)
*****	====	==	*****	*****	*****	*****	
* 3 Benzene-d6	84	2.872	2.872	(1.000)	741586	40.0000	
\$ 4 Hexamethyldisiloxane-d18	162	2.924	2.924	(1.018)	1250099	40.5091	40.5
5 hexamethyldisiloxane(mm)	147			Compound Not Detected.			
* 6 Toluene-d8	98	5.139	5.148	(1.000)	709212	40.0000	
7 octamethyltrisiloxane(mdm)	221			Compound Not Detected.			
* 8 4-Bromofluorobenzene	174	8.367	8.377	(1.000)	242232	40.0000	
9 octa-m-cyclotetrasiloxane(d4)	281			Compound Not Detected.			
10 deca-m-cyclopentasiloxane(d5)	267			Compound Not Detected.			
165 Dodeca-mcyclohexasiloxane(d6)	341			Compound Not Detected.			

Air Toxics Ltd.

Siloxane Analysis by GC/MS

Data file : /chem/msdk.i/k28may10.b/k052814.d
Lab Smp Id: 1005453C-17BB
Inj Date : 28-MAY-2010 14:24
Operator : LZ Inst ID: msdk.i
Smp Info : ;1005453C-17BB;
Misc Info :
Comment : HP5MS 30m x 0.25 mm 0.25u
Method : /chem/msdk.i/k28may10.b/k10k0323.m
Meth Date : 28-May-2010 12:24 lzhang Quant Type: ISTD
Cal Date : 23-MAR-2010 18:31 Cal File: k032312.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: silo.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * v * CpndVariable
v 15.20000 final volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (uG/mL)	FINAL (ug)
*****	====	==	=====	=====	=====	=====	
* 3 Benzene-d6	84	2.859	2.872	(1.000)	801698	40.0000	
\$ 4 Hexamethyldisiloxane-d18	162	2.921	2.924	(1.022)	1367668	40.9959	41.0
5 hexamethyldisiloxane(mm)	147			Compound Not Detected.			
* 6 Toluene-d8	98	5.135	5.148	(1.000)	764884	40.0000	
7 octamethyltrisiloxane(mdm)	221			Compound Not Detected.			
* 8 4-Bromofluorobenzene	174	8.364	8.377	(1.000)	263588	40.0000	
9 octa-m-cyclotetrasiloxane(d4)	281			Compound Not Detected.			
10 deca-m-cyclopentasiloxane(d5)	267			Compound Not Detected.			
165 Dodeca-mcyclohexasiloxane(d6)	341			Compound Not Detected.			

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdk.i
Lab File ID: k052813.d
Lab Smp Id: 1005453C-17ABB
Analysis Type: SV
Quant Type: ISTD
Operator: LZ
Method File: /chem/msdk.i/k28may10.b/k10k0323.m
Misc Info:

Calibration Date: 28-MAY-2010
Calibration Time: 11:58
Level: MED
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	819981	409990	1639962	741586	-9.56
6 Toluene-d8	797846	398923	1595692	709212	-11.11
8 4-Bromofluorobenz	279522	139761	559044	242232	-13.34

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	2.87	2.37	3.37	2.87	0.02
6 Toluene-d8	5.15	4.65	5.65	5.14	-0.19
8 4-Bromofluorobenz	8.38	7.88	8.88	8.37	-0.12

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdk.i
Lab File ID: k052814.d
Lab Smp Id: 1005453C-17BB
Analysis Type: SV
Quant Type: ISTD
Operator: LZ
Method File: /chem/msdk.i/k28may10.b/k10k0323.m
Misc Info:

Calibration Date: 28-MAY-2010
Calibration Time: 11:58
Level: MED
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	819981	409990	1639962	801698	-2.23
6 Toluene-d8	797846	398923	1595692	764884	-4.13
8 4-Bromofluorobenz	279522	139761	559044	263588	-5.70

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	2.87	2.37	3.37	2.86	-0.45
6 Toluene-d8	5.15	4.65	5.65	5.14	-0.25
8 4-Bromofluorobenz	8.38	7.88	8.88	8.36	-0.15

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: k28may10
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1005453C-17ABB
Level: MED Operator: LZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS50.spk Quant Type: ISTD
Sublist File: silo.sub
Method File: /chem/msdk.i/k28may10.b/k10k0323.m
Misc Info:

SURROGATE COMPOUND	AMOUNT ADDED uG/mL	AMOUNT RECOVERED uG/mL	% RECOVERED	LIMITS
\$ 4 Hexamethyldisiloxa	40.0	40.5	101.27	70-130

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: k28may10
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1005453C-17BB
Level: MED Operator: LZ
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: LCS50.spk Quant Type: ISTD
Sublist File: silo.sub
Method File: /chem/msdk.i/k28may10.b/k10k0323.m
Misc Info:

SURROGATE COMPOUND	AMOUNT ADDED uG/mL	AMOUNT RECOVERED uG/mL	% RECOVERED	LIMITS
\$ 4 Hexamethyldisiloxa	40.0	41.0	102.49	70-130

Data File: /chem/msdk.i/k28mag10.b/k052813.d

Date: 28-May-2010 14:00

Client ID:

Sample Info: j10054530-1799j

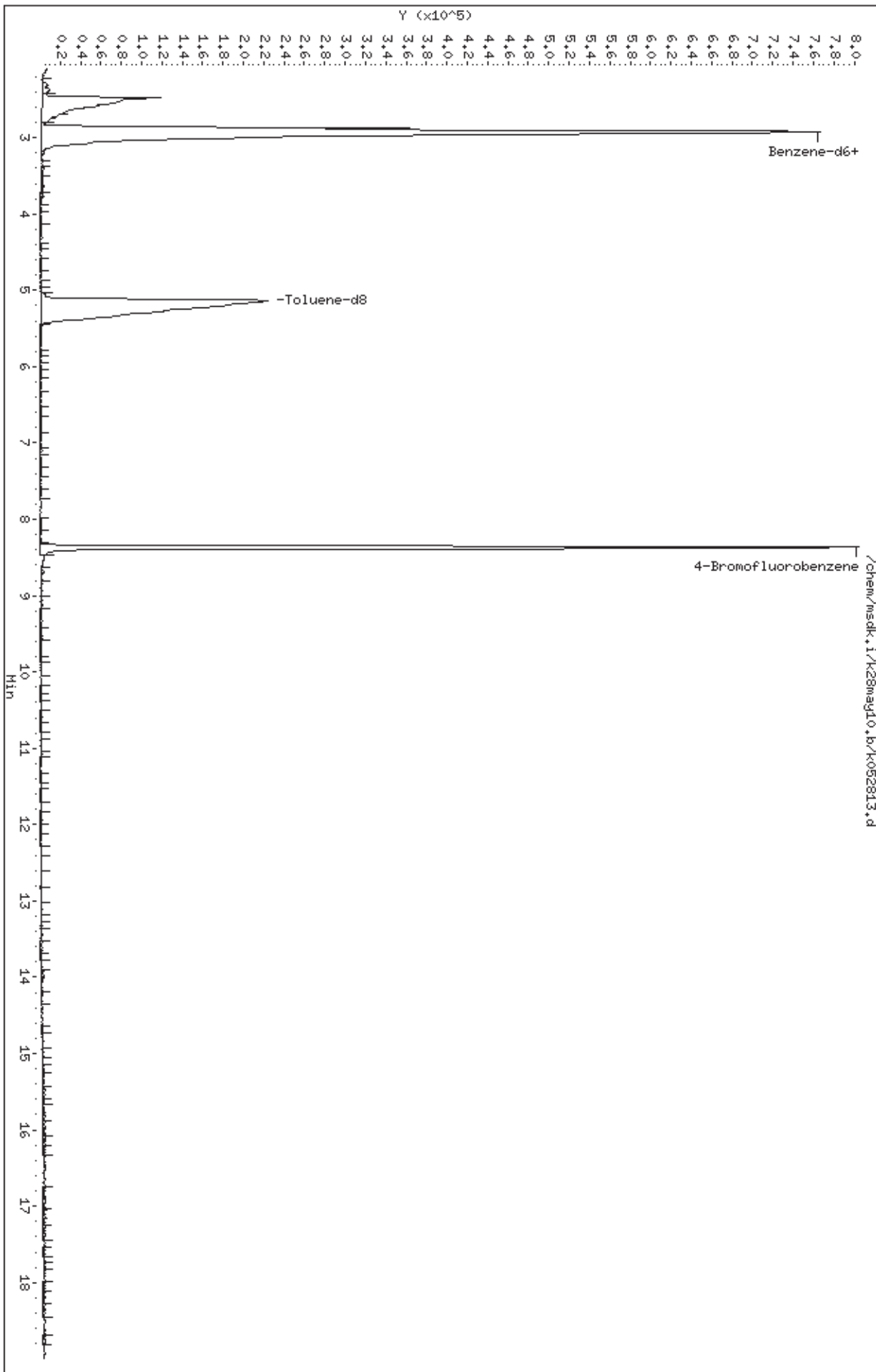
Column phase: DB-5.625

Instrument: msdk.i

Operator: LZ

Column diameter: 0.25

Page 1



Data File: /chem/msdk.i/k28mag10.b/k052814.d

Date: 28-MAY-2010 14:24

Client ID:

Sample Info: j10054530-1788f

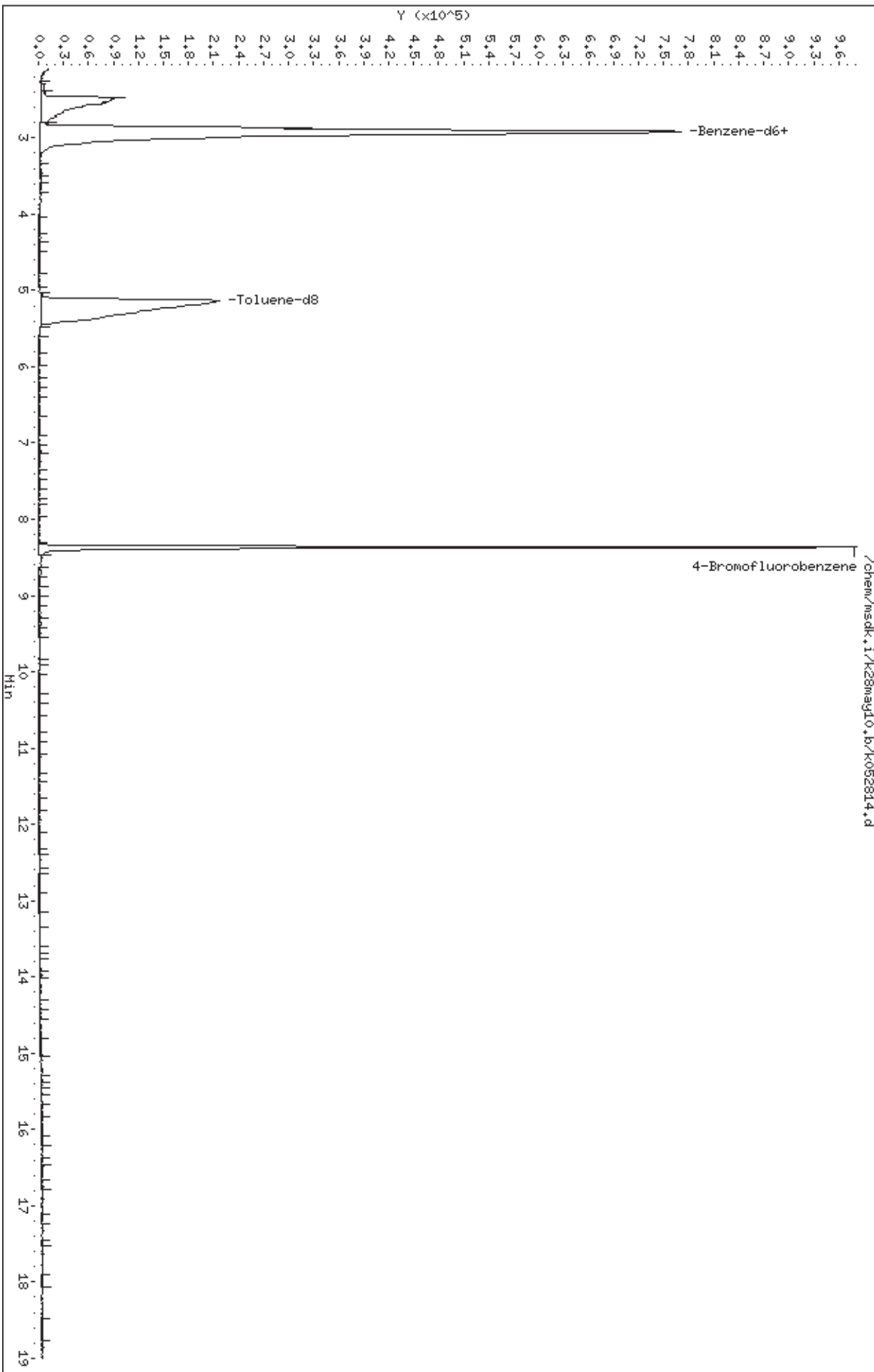
Column phase: DB-5.625

Instrument: msdk.i

Operator: LZ

Column diameter: 0.25

Page 1



**Summary of Detected Compounds
SILOXANES - GC/MS**

Client Sample ID: GV-6

Lab ID#: 1005453C-18AB

No Detections Were Found.

Client Sample ID: GV-6
 Lab ID#: 1005453C-18AB
 SILOXANES - GC/MS

File Name:	k052836	Date of Collection: 5/16/10 4:20:00 PM
Dil. Factor:	1.00	Date of Analysis: 5/28/10 11:11 PM

Compound	Rpt. Limit (ug)	Amount (ug)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Octamethylcyclotetrasiloxane (D4)	26	Not Detected	1300	Not Detected
Decamethylcyclopentasiloxane (D5)	26	Not Detected	1300	Not Detected
Dodecamethylcyclohexasiloxane (D6)	53	Not Detected	2500	Not Detected
Hexamethyldisiloxane	26	Not Detected	1300	Not Detected
Octamethyltrisiloxane	26	Not Detected	1300	Not Detected

Air Sample Volume(L): 20.8
 Impinger Total Volume(mL): 26.5
 Container Type: Vial

Surrogates	%Recovery	Method Limits
Hexamethyl disiloxane -d18	96	70-130

Air Toxics Ltd.

Siloxane Analysis by GC/MS

Data file : /chem/msdk.i/k28may10a.b/k052836.d
Lab Smp Id: 1005453C-18AB
Inj Date : 28-MAY-2010 23:11
Operator : LZ Inst ID: msdk.i
Smp Info : ;1005453C-18A;
Misc Info :
Comment : HP5MS 30m x 0.25 mm 0.25u
Method : /chem/msdk.i/k28may10a.b/k10k0323.m
Meth Date : 28-May-2010 20:50 atoyama Quant Type: ISTD
Cal Date : 23-MAR-2010 18:31 Cal File: k032312.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: silo.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * v * CpndVariable
v 12.20000 final volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS	
						ON-COLUMN (uG/mL)	FINAL (ug)
*****	====	==	*****	*****	*****	*****	
* 3 Benzene-d6	84	2.871	2.881	(1.000)	711354	40.0000	
\$ 4 Hexamethyldisiloxane-d18	162	2.923	2.933	(1.018)	1136898	38.4066 38.4	
5 hexamethyldisiloxane(mm)	147	Compound Not Detected.					
* 6 Toluene-d8	98	5.148	5.158	(1.000)	649644	40.0000	
7 octamethyltrisiloxane(mdm)	221	Compound Not Detected.					
* 8 4-Bromofluorobenzene	174	8.356	8.376	(1.000)	221044	40.0000	
9 octa-m-cyclotetrasiloxane(d4)	281	Compound Not Detected.					
10 deca-m-cyclopentasiloxane(d5)	267	Compound Not Detected.					
165 Dodeca-mcyclohexasiloxane(d6)	341	Compound Not Detected.					

Air Toxics Ltd.

Siloxane Analysis by GC/MS

Data file : /chem/msdk.i/k28may10a.b/k052837.d
Lab Smp Id: 1005453C-18B
Inj Date : 28-MAY-2010 23:35
Operator : LZ Inst ID: msdk.i
Smp Info : ;1005453C-18B;
Misc Info :
Comment : HP5MS 30m x 0.25 mm 0.25u
Method : /chem/msdk.i/k28may10a.b/k10k0323.m
Meth Date : 28-May-2010 20:50 atoyama Quant Type: ISTD
Cal Date : 23-MAR-2010 18:31 Cal File: k032312.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: silo.sub
Target Version: 3.50
Processing Host: eeyore

Concentration Formula: Amt * DF * v * CpndVariable
v 14.30000 final volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG		CONCENTRATIONS				
	MASS	RT	EXP RT	REL RT	RESPONSE	ON-COLUMN (uG/mL)	FINAL (ug)
*****	====	==	=====	=====	=====	=====	=====
* 3 Benzene-d6	84	2.882	2.881	(1.000)	657323	40.0000	
\$ 4 Hexamethyldisiloxane-d18	162	2.934	2.933	(1.018)	1066344	38.9842	39.0
5 hexamethyldisiloxane(mm)	147		Compound Not Detected.				
* 6 Toluene-d8	98	5.149	5.158	(1.000)	589895	40.0000	
7 octamethyltrisiloxane(mdm)	221		Compound Not Detected.				
* 8 4-Bromofluorobenzene	174	8.367	8.376	(1.000)	198861	40.0000	
9 octa-m-cyclotetrasiloxane(d4)	281		Compound Not Detected.				
10 deca-m-cyclopentasiloxane(d5)	267		Compound Not Detected.				
165 Dodeca-mcyclohexasiloxane(d6)	341		Compound Not Detected.				

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
 AREA AND RT SUMMARY

Instrument ID: msdk.i
 Lab File ID: k052836.d
 Lab Smp Id: 1005453C-18AB
 Analysis Type: SV
 Quant Type: ISTD
 Operator: LZ
 Method File: /chem/msdk.i/k28may10a.b/k10k0323.m
 Misc Info:

Calibration Date: 28-MAY-2010
 Calibration Time: 19:59
 Level: MED
 Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	767574	383787	1535148	711354	-7.32
6 Toluene-d8	708584	354292	1417168	649644	-8.32
8 4-Bromofluorobenz	250041	125020	500082	221044	-11.60

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	2.88	2.38	3.38	2.87	-0.35
6 Toluene-d8	5.16	4.66	5.66	5.15	-0.19
8 4-Bromofluorobenz	8.38	7.88	8.88	8.36	-0.24

AREA UPPER LIMIT = +100% of internal standard area.
 AREA LOWER LIMIT = - 50% of internal standard area.
 RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
 RT LOWER LIMIT = - 0.50 minutes of internal standard RT.

Air Toxics Ltd.

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: msdk.i
Lab File ID: k052837.d
Lab Smp Id: 1005453C-18B
Analysis Type: SV
Quant Type: ISTD
Operator: LZ
Method File: /chem/msdk.i/k28may10a.b/k10k0323.m
Misc Info:

Calibration Date: 28-MAY-2010
Calibration Time: 19:59
Level: MED
Sample Type: WATER

COMPOUND	STANDARD	AREA LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	767574	383787	1535148	657323	-14.36
6 Toluene-d8	708584	354292	1417168	589895	-16.75
8 4-Bromofluorobenz	250041	125020	500082	198861	-20.47

COMPOUND	STANDARD	RT LIMIT		SAMPLE	%DIFF
		LOWER	UPPER		
3 Benzene-d6	2.88	2.38	3.38	2.88	0.03
6 Toluene-d8	5.16	4.66	5.66	5.15	-0.18
8 4-Bromofluorobenz	8.38	7.88	8.88	8.37	-0.11

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = - 50% of internal standard area.
RT UPPER LIMIT = + 0.50 minutes of internal standard RT.
RT LOWER LIMIT = - 0.50 minutes of internal standard RT.