SEVERN TRENT STL

ANALYTICAL REPORT

JOB NUMBER: 232892

Prepared For:

STL Westfield
53 Southampton Road
Westfield, MA 01085

Attention: Tim Knollmeyer

Date: 11/29/2005

Signature

Date 11/29/05

Name: Chip Meador

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

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TOTAL # OF PAGES 22

SEVERN TRENT STL

SAMPLE INFORMATION
Date: 11/29/2005

Job Number.: 232892
Customer...: STL Westfield
Attn.....: Tim Knollmeyer

Project Number.....: 98000084
Customer Project ID....: 360-540
Project Description....: Project - OVM

~~#25~~

Laboratory Sample ID		Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
232892-1	360-540-1	#25	Soil	11/17/2005	10:40	11/21/2005	09:50
232892-2	360-540-2	#102	Soil	11/17/2005	11:10	11/21/2005	09:50
232892-3	360-540-3	#149	Soil	11/17/2005	11:35	11/21/2005	09:50
232892-4	360-540-4	#121	Soil	11/17/2005	12:00	11/21/2005	09:50
232892-5	360-540-5	#163	Soil	11/17/2005	12:30	11/21/2005	09:50
232892-6	360-540-6	#136	Soil	11/17/2005	12:50	11/21/2005	09:50
232892-7	360-540-7	#193	Soil	11/17/2005	13:10	11/21/2005	09:50
232892-8	360-540-8	#142	Soil	11/17/2005	13:25	11/21/2005	09:50

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 232892

Date: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Customer Sample ID: 360-540-1
Date Sampled.....: 11/17/2005
Time Sampled.....: 10:40
Sample Matrix.....: Soil

Laboratory Sample ID: 232892-1
Date Received.....: 11/21/2005
Time Received.....: 09:50

Shahan #25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid*	<0.3	0.3	mg/Kg	11/22/05	mvq
EPA 160.3 Mod.	% Solids (@ 104 deg. C), Solid	76.4	0.1	%	11/21/05	rjg
EPA 160.3 Mod.	Moisture (@ 104 deg. C), Solid	23.6	0.1	%	11/21/05	rjg
SW-846 6010B	Arsenic (As), Solid*	<1	1	mg/Kg	11/21/05	jem
SW-846 6010B	Barium (Ba), Solid*	49	1	mg/Kg	11/21/05	jem
SW-846 6010B	Cadmium (Cd), Solid*	<1	1	mg/Kg	11/21/05	jem
SW-846 6010B	Chromium (Cr), Solid*	9	1	mg/Kg	11/21/05	jem
SW-846 6010B	Lead (Pb), Solid*	19	1	mg/Kg	11/21/05	jem
SW-846 6010B	Selenium (Se), Solid*	<3	3	mg/Kg	11/21/05	jem
SW-846 6010B	Silver (Ag), Solid*	<0.7	0.7	mg/Kg	11/21/05	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			11/21/05	mkm

* In Description = Dry Wgt.

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 232892

Date: 11/29/2005

CUSTOMER: STL Westfield | PROJECT: 360-540 | ATTN: Tim Knollmeyer

Customer Sample ID: 360-540-2
Date Sampled.....: 11/17/2005
Time Sampled.....: 11:10
Sample Matrix.....: Soil

Laboratory Sample ID: 232892-2
Date Received.....: 11/21/2005
Time Received.....: 09:50

Station # 102

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid*	<0.3	0.3	mg/Kg	11/22/05	mvq
EPA 160.3 Mod.	% Solids (@ 104 deg. C), Solid	75.5	0.1	%	11/21/05	rjg
EPA 160.3 Mod.	Moisture (@ 104 deg. C), Solid	24.5	0.1	%	11/21/05	rjg
SW-846 6010B	Arsenic (As), Solid*	2	1	mg/Kg	11/21/05	jem
SW-846 6010B	Barium (Ba), Solid*	21	1	mg/Kg	11/21/05	jem
SW-846 6010B	Cadmium (Cd), Solid*	<1	1	mg/Kg	11/21/05	jem
SW-846 6010B	Chromium (Cr), Solid*	8	1	mg/Kg	11/21/05	jem
SW-846 6010B	Lead (Pb), Solid*	9	1	mg/Kg	11/21/05	jem
SW-846 6010B	Selenium (Se), Solid*	<3	3	mg/Kg	11/21/05	jem
SW-846 6010B	Silver (Ag), Solid*	<0.7	0.7	mg/Kg	11/21/05	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			11/21/05	mkm

* In Description = Dry Wgt.

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 232892

Date: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Customer Sample ID: 360-540-3
Date Sampled.....: 11/17/2005
Time Sampled.....: 11:35
Sample Matrix.....: Soil

Laboratory Sample ID: 232892-3
Date Received.....: 11/21/2005
Time Received.....: 09:50

Station #149

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid*	<0.3	0.3	mg/Kg	11/22/05	mvq
EPA 160.3 Mod.	% Solids (@ 104 deg. C), Solid	76.5	0.1	%	11/21/05	rjg
EPA 160.3 Mod.	Moisture (@ 104 deg. C), Solid	23.5	0.1	%	11/21/05	rjg
SW-846 6010B	Arsenic (As), Solid*	2	1	mg/Kg	11/21/05	jem
SW-846 6010B	Barium (Ba), Solid*	24	1	mg/Kg	11/21/05	jem
SW-846 6010B	Cadmium (Cd), Solid*	<1	1	mg/Kg	11/21/05	jem
SW-846 6010B	Chromium (Cr), Solid*	9	1	mg/Kg	11/21/05	jem
SW-846 6010B	Lead (Pb), Solid*	9	1	mg/Kg	11/21/05	jem
SW-846 6010B	Selenium (Se), Solid*	<3	3	mg/Kg	11/21/05	jem
SW-846 6010B	Silver (Ag), Solid*	<0.7	0.7	mg/Kg	11/21/05	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			11/21/05	mkm

* In Description = Dry Wgt.

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 232892

Date: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Customer Sample ID: 360-540-4
Date Sampled.....: 11/17/2005
Time Sampled.....: 12:00
Sample Matrix.....: Soil

Laboratory Sample ID: 232892-4
Date Received.....: 11/21/2005
Time Received.....: 09:50

Skahan #121

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid*	<0.3	0.3	mg/Kg	11/22/05	mvq
EPA 160.3 Mod.	% Solids (@ 104 deg. C), Solid	73.6	0.1	%	11/21/05	rjg
EPA 160.3 Mod.	Moisture (@ 104 deg. C), Solid	26.4	0.1	%	11/21/05	rjg
SW-846 6010B	Arsenic (As), Solid*	4	1	mg/Kg	11/21/05	jem
SW-846 6010B	Barium (Ba), Solid*	24	1	mg/Kg	11/21/05	jem
SW-846 6010B	Cadmium (Cd), Solid*	<1	1	mg/Kg	11/21/05	jem
SW-846 6010B	Chromium (Cr), Solid*	9	1	mg/Kg	11/21/05	jem
SW-846 6010B	Lead (Pb), Solid*	11	1	mg/Kg	11/21/05	jem
SW-846 6010B	Selenium (Se), Solid*	<3	3	mg/Kg	11/21/05	jem
SW-846 6010B	Silver (Ag), Solid*	<0.7	0.7	mg/Kg	11/21/05	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			11/21/05	mkm

* In Description = Dry Wgt.

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 232892

Date: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Customer Sample ID: 360-540-5
Date Sampled.....: 11/17/2005
Time Sampled.....: 12:30
Sample Matrix.....: Soil

Laboratory Sample ID: 232892-5
Date Received.....: 11/21/2005
Time Received.....: 09:50

Shaker #163

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid*	<0.3	0.3	mg/Kg	11/22/05	mvq
EPA 160.3 Mod.	% Solids (@ 104 deg. C), Solid	79.4	0.1	%	11/21/05	rjg
EPA 160.3 Mod.	Moisture (@ 104 deg. C), Solid	20.6	0.1	%	11/21/05	rjg
SW-846 6010B	Arsenic (As), Solid*	2	1	mg/Kg	11/21/05	jem
SW-846 6010B	Barium (Ba), Solid*	29	1	mg/Kg	11/21/05	jem
SW-846 6010B	Cadmium (Cd), Solid*	<1	1	mg/Kg	11/21/05	jem
SW-846 6010B	Chromium (Cr), Solid*	12	1	mg/Kg	11/21/05	jem
SW-846 6010B	Lead (Pb), Solid*	6	1	mg/Kg	11/21/05	jem
SW-846 6010B	Selenium (Se), Solid*	<3	3	mg/Kg	11/21/05	jem
SW-846 6010B	Silver (Ag), Solid*	<0.6	0.6	mg/Kg	11/21/05	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			11/21/05	mkm

* In Description = Dry Wgt.

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 232892

Date: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Customer Sample ID: 360-540-6
Date Sampled.....: 11/17/2005
Time Sampled.....: 12:50
Sample Matrix.....: Soil

Laboratory Sample ID: 232892-6
Date Received.....: 11/21/2005
Time Received.....: 09:50

Station #136

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid*	<0.3	0.3	mg/Kg	11/22/05	mvq
EPA 160.3 Mod.	% Solids (@ 104 deg. C), Solid	74.1	0.1	%	11/21/05	rjg
EPA 160.3 Mod.	Moisture (@ 104 deg. C), Solid	25.9	0.1	%	11/21/05	rjg
SW-846 6010B	Arsenic (As), Solid*	11	1	mg/Kg	11/21/05	jem
SW-846 6010B	Barium (Ba), Solid*	46	1	mg/Kg	11/21/05	jem
SW-846 6010B	Cadmium (Cd), Solid*	<1	1	mg/Kg	11/21/05	jem
SW-846 6010B	Chromium (Cr), Solid*	17	1	mg/Kg	11/21/05	jem
SW-846 6010B	Lead (Pb), Solid*	11	1	mg/Kg	11/21/05	jem
SW-846 6010B	Selenium (Se), Solid*	<3	3	mg/Kg	11/21/05	jem
SW-846 6010B	Silver (Ag), Solid*	<0.7	0.7	mg/Kg	11/21/05	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			11/21/05	mkm

* In Description = Dry Wgt.

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 232892

Date: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Customer Sample ID: 360-540-7
Date Sampled.....: 11/17/2005
Time Sampled.....: 13:10
Sample Matrix.....: Soil

Laboratory Sample ID: 232892-7
Date Received.....: 11/21/2005
Time Received.....: 09:50

Station #193

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid*	<0.2	0.2	mg/Kg	11/22/05	mvq
EPA 160.3 Mod.	% Solids (@ 104 deg. C), Solid	81.0	0.1	%	11/21/05	rjg
EPA 160.3 Mod.	Moisture (@ 104 deg. C), Solid	19.0	0.1	%	11/21/05	rjg
SW-846 6010B	Arsenic (As), Solid*	<1	1	mg/Kg	11/21/05	jem
SW-846 6010B	Barium (Ba), Solid*	27	1	mg/Kg	11/21/05	jem
SW-846 6010B	Cadmium (Cd), Solid*	<1	1	mg/Kg	11/21/05	jem
SW-846 6010B	Chromium (Cr), Solid*	9	1	mg/Kg	11/21/05	jem
SW-846 6010B	Lead (Pb), Solid*	6	1	mg/Kg	11/21/05	jem
SW-846 6010B	Selenium (Se), Solid*	<2	2	mg/Kg	11/21/05	jem
SW-846 6010B	Silver (Ag), Solid*	<0.6	0.6	mg/Kg	11/21/05	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			11/21/05	mkm

* In Description = Dry Wgt.

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SEVERN TRENT STL

LABORATORY TEST RESULTS

Job Number: 232892

Date: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Customer Sample ID: 360-540-8
Date Sampled.....: 11/17/2005
Time Sampled.....: 13:25
Sample Matrix.....: Soil

Laboratory Sample ID: 232892-8
Date Received.....: 11/21/2005
Time Received.....: 09:50

Shon #142

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid*	<0.2	0.2	mg/Kg	11/22/05	mvq
EPA 160.3 Mod.	% Solids (@ 104 deg. C), Solid	80.7	0.1	%	11/21/05	rjg
EPA 160.3 Mod.	Moisture (@ 104 deg. C), Solid	19.3	0.1	%	11/21/05	rjg
SW-846 6010B	Arsenic (As), Solid*	2	1	mg/Kg	11/21/05	jem
SW-846 6010B	Barium (Ba), Solid*	26	1	mg/Kg	11/21/05	jem
SW-846 6010B	Cadmium (Cd), Solid*	<1	1	mg/Kg	11/21/05	jem
SW-846 6010B	Chromium (Cr), Solid*	10	1	mg/Kg	11/21/05	jem
SW-846 6010B	Lead (Pb), Solid*	20	1	mg/Kg	11/21/05	jem
SW-846 6010B	Selenium (Se), Solid*	<2	2	mg/Kg	11/21/05	jem
SW-846 6010B	Silver (Ag), Solid*	<0.6	0.6	mg/Kg	11/21/05	jem
SW-846 3050B	Acid Dig., 2X Conc., Solids & Sludges	Complete			11/21/05	mkm

* In Description = Dry Wgt.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 232892

Report Date.: 11/29/2005

CUSTOMER: STL Westfield | PROJECT: 360-540 | ATTN: Tim Knollmeyer

Test Method.....: SW-846 7471A
Method Description.: Mercury (CVAA)
Parameter.....: Mercury (Hg)

Batch.....: 112928
Units.....: mg/Kg

Analyst...: mvq
Test Code.: HG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M51122LG	0.00438		0.004000		109.5	%	90-110	11/22/2005	1401
ICB		112205	-0.000101							11/22/2005	1403
SB		M51101HG	0.00433		0.005980		72.4	%	32-168	11/22/2005	1406
MB		112205	-0.000170							11/22/2005	1408
CCV		M51122HG	0.00484		0.005000		96.8	%	80-120	11/22/2005	1433
CCB		112205	0.000020							11/22/2005	1435
MS	232900-2	M51122LG	0.00830		0.005000	0.00308	104.4	%	75-130	11/22/2005	1440
MSD	232900-2	M51122LG	0.00806	0.00830	0.005000	0.00308	99.6	%	75-130	11/22/2005	1442
							2.9	R	30		
CCV		M51122HG	0.00474		0.005000		94.8	%	80-120	11/22/2005	1445
CCB		112205	0.000010							11/22/2005	1447

Test Method.....: EPA 160.3 Mod.
Method Description.: Moisture/%Solids
Parameter.....: % Solids (@ 104 deg. C)

Batch.....: 112923
Units.....: %

Analyst...: rjg
Test Code.: %SOLID

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MD	232892-2		75.6			75.5	0.1	R	20	11/21/2005	1135

Test Method.....: EPA 160.3 Mod.
Method Description.: Moisture/%Solids
Parameter.....: Moisture (@ 104 deg. C)

Batch.....: 112923
Units.....: %

Analyst...: rjg
Test Code.: MOIST

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MD	232892-2		24.4			24.5	0.4	R	20	11/21/2005	1135

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Arsenic (As)

Batch.....: 112904
Units.....: mg/l

Analyst...: jem
Test Code.: AS

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M414	1.99408763		2.00		99.7	%	90-110	11/21/2005	1217
ICV		M0395	0.96712954		1.00		96.7	%	90-110	11/21/2005	1244
ICV		M0410	1.01075336		1.00		101.1	%	90-110	11/21/2005	1253
ICB			-0.0071892							11/21/2005	1307
ICV		M0402	0.52560672		0.500		105.1	%	90-110	11/21/2005	1330
CCV		M415	1.08446162		1.00		108.4	%	90-110	11/21/2005	1336
CCB			0.00243658							11/21/2005	1348
CCV		M415	1.07686308		1.00		107.7	%	90-110	11/21/2005	1516
CCB			-0.0012902							11/21/2005	1521
CCB			0.00932394							11/21/2005	1524
CCV		M415	1.03178082		1.00		103.2	%	90-110	11/21/2005	1623
CCB			0.00047853							11/21/2005	1635
CCV		M415	1.01699631		1.00		101.7	%	90-110	11/21/2005	1704
CCB			0.00196614							11/21/2005	1713
MB		3050.	-0.0060417							11/21/2005	1750
LCS		M355	0.51680286		0.500		103.4	%	76-124	11/21/2005	1754

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 232892 | Report Date.: 11/29/2005

CUSTOMER: STL Westfield | PROJECT: 360-540 | ATTN: Tim Knollmeyer

Test Method.....: SW-846 6010B | Batch.....: 112904 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: AS
Parameter.....: Arsenic (As)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M409D	2.26450682		2.16		104.8	%	76-124	11/21/2005	1759
CCV		M415	0.99061056		1.00		99.1	%	90-110	11/21/2005	1901
CCB			0.00135220							11/21/2005	1913
MB		3050.	0.00114680							11/21/2005	1920
LCS		M355	0.47575306		0.500		95.2	%	76-124	11/21/2005	1924
LCS		M409D	2.21951731		2.16		102.8	%	76-124	11/21/2005	1929
MS	232892-1	M355	0.47032756		0.500	-0.0029069	94.6	%	75-125	11/21/2005	1942
MSD	232892-1	M355	0.48241570	0.47032756	0.500	-0.0029069	97.1	%	75-125	11/21/2005	1947
							2.5	R	30		
CCV		M415	0.99673177		1.00		99.7	%	90-110	11/21/2005	2000
CCB			0.00057576							11/21/2005	2012
LCS		M355	0.47874627		0.500		95.7	%	80-120	11/21/2005	2053
CCV		M415	1.00341138		1.00		100.3	%	90-110	11/21/2005	2058
CCB			-0.0027182							11/21/2005	2111
CCV		M415	1.00415017		1.00		100.4	%	90-110	11/21/2005	2149
CCB			0.00596377							11/21/2005	2203
MS	232891-12	M355	0.49899702		0.500	0.00350632	99.1	%	75-125	11/21/2005	2217
MSD	232891-12	M355	0.52200676	0.49899702	0.500	0.00350632	103.7	%	75-125	11/21/2005	2223
							4.5	R	20		
CCV		M415	1.00798430		1.00		100.8	%	90-110	11/21/2005	2246
CCB			0.00922251							11/21/2005	2258

Test Method.....: SW-846 6010B | Batch.....: 112904 | Analyst...: jem
Method Description.: Metals Analysis (ICAP) | Units.....: mg/L | Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M414	1.96745864		2.00		98.4	%	90-110	11/21/2005	1217
ICV		M0396	0.98344281		1.00		98.3	%	90-110	11/21/2005	1250
ICB			-0.0002952							11/21/2005	1307
ICV		M0402	0.50644727		0.500		101.3	%	90-110	11/21/2005	1330
CCV		M415	1.07052881		1.00		107.1	%	90-110	11/21/2005	1336
CCB			-0.0002590							11/21/2005	1348
CCV		M415	1.03224937		1.00		103.2	%	90-110	11/21/2005	1516
CCB			0.00033169							11/21/2005	1521
CCB			-0.0004053							11/21/2005	1524
CCV		M415	1.02534425		1.00		102.5	%	90-110	11/21/2005	1623
CCB			-0.0001149							11/21/2005	1635
CCV		M415	1.01006722		1.00		101.0	%	90-110	11/21/2005	1704
CCB			-0.0005251							11/21/2005	1713
MB		3050.	-0.0000961							11/21/2005	1750
LCS		M355	0.51151861		0.500		102.3	%	79-121	11/21/2005	1754
LCS		M409D	1.24048935		1.24		100.0	%	79-121	11/21/2005	1759
CCV		M415	0.98932383		1.00		98.9	%	90-110	11/21/2005	1901
CCB			-0.0003252							11/21/2005	1913
MB		3050.	0.00005890							11/21/2005	1920
LCS		M355	0.48406677		0.500		96.8	%	79-121	11/21/2005	1924
LCS		M409D	1.19193656		1.24		96.1	%	79-121	11/21/2005	1929
MS	232892-1	M355	0.83404306		0.500	0.38514803	89.8	%	75-125	11/21/2005	1942
MSD	232892-1	M355	0.86143094	0.83404306	0.500	0.38514803	95.3	%	75-125	11/21/2005	1947
							3.2	R	30		

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 232892 Report Date.: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Test Method.....: SW-846 6010B Batch.....: 112904 Analyst...: Jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCV		M415	0.97338462		1.00		97.3	%	90-110	11/21/2005	2000
CCB			-0.0010249							11/21/2005	2012
LCS		M355	0.46796528		0.500		93.6	%	80-120	11/21/2005	2053
CCV		M415	0.95396082		1.00		95.4	%	90-110	11/21/2005	2058
CCB			0.00066067							11/21/2005	2111
CCV		M415	0.98700843		1.00		98.7	%	90-110	11/21/2005	2149
CCB			-0.0002362							11/21/2005	2203
MS	232891-12	M355	0.49442136		0.500	0.01084890	96.7	%	75-125	11/21/2005	2217
MSD	232891-12	M355	0.52768999	0.49442136	0.500	0.01084890	103.4	%	75-125	11/21/2005	2223
							6.5	R	20		
CCV		M415	0.98668703		1.00		98.7	%	90-110	11/21/2005	2246
CCB			0.00089345							11/21/2005	2258

Test Method.....: SW-846 6010B Batch.....: 112904 Analyst...: Jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M414	1.96952155		2.00		98.5	%	90-110	11/21/2005	1217
ICV		M0395	1.01132629		1.00		101.1	%	90-110	11/21/2005	1244
ICV		M0410	1.00488202		1.00		100.5	%	90-110	11/21/2005	1253
ICB			0.00016801							11/21/2005	1307
ICV		M0402	0.52227179		0.500		104.5	%	90-110	11/21/2005	1330
CCV		M415	1.07552713		1.00		107.6	%	90-110	11/21/2005	1336
CCB			-0.0001205							11/21/2005	1348
CCV		M415	1.03917015		1.00		103.9	%	90-110	11/21/2005	1516
CCB			0.00021103							11/21/2005	1521
CCB			0.00005416							11/21/2005	1524
CCV		M415	1.02440596		1.00		102.4	%	90-110	11/21/2005	1623
CCB			0.00013893							11/21/2005	1635
CCV		M415	0.99936641		1.00		99.9	%	90-110	11/21/2005	1704
CCB			0.00059374							11/21/2005	1713
MB		3050.	-0.0002082							11/21/2005	1750
LCS		M355	0.50324826		0.500		100.6	%	78-123	11/21/2005	1754
LCS		M409D	0.89437513		0.837		106.9	%	78-123	11/21/2005	1759
CCV		M415	0.98977040		1.00		99.0	%	90-110	11/21/2005	1901
CCB			0.00044155							11/21/2005	1913
MB		3050.	-0.0000291							11/21/2005	1920
LCS		M355	0.47430566		0.500		94.9	%	78-123	11/21/2005	1924
LCS		M409D	0.86838980		0.837		103.8	%	78-123	11/21/2005	1929
MS	232892-1	M355	0.46183525		0.500	0.00253355	91.9	%	75-125	11/21/2005	1942
MSD	232892-1	M355	0.46249990	0.46183525	0.500	0.00253355	92.0	%	75-125	11/21/2005	1947
							0.1	R	30		
CCV		M415	0.96789054		1.00		96.8	%	90-110	11/21/2005	2000
CCB			0.00038744							11/21/2005	2012
LCS		M355	0.46836906		0.500		93.7	%	80-120	11/21/2005	2053
CCV		M415	0.95655847		1.00		95.7	%	90-110	11/21/2005	2058
CCB			0.00006002							11/21/2005	2111
CCV		M415	0.98150779		1.00		98.2	%	90-110	11/21/2005	2149
CCB			0.00021431							11/21/2005	2203
MS	232891-12	M355	0.48355959		0.500	0.00023528	96.7	%	75-125	11/21/2005	2217

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SIVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 232892

Report Date.: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Cadmium (Cd)

Batch.....: 112904
Units.....: mg/L

Analyst...: jem
Test Code.: CD

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
MSD	232891-12	M355	0.51406455	0.48355959	0.500	0.00023528	102.8	%	75-125	11/21/2005	2223
							6.1	R	20		
CCV		M415	0.98255895		1.00		98.3	%	90-110	11/21/2005	2246
CCB			0.00023628							11/21/2005	2258

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Chromium (Cr)

Batch.....: 112904
Units.....: mg/L

Analyst...: jem
Test Code.: CR

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M414	1.98160606		2.00		99.1	%	90-110	11/21/2005	1217
ICV		M0395	1.00828342		1.00		100.8	%	90-110	11/21/2005	1244
ICV		M0410	0.99227352		1.00		99.2	%	90-110	11/21/2005	1253
ICB			0.00096975							11/21/2005	1307
ICV		M0402	0.52023455		0.500		104.0	%	90-110	11/21/2005	1330
CCV		M415	1.06720236		1.00		106.7	%	90-110	11/21/2005	1336
CCB			0.00087793							11/21/2005	1348
CCV		M415	1.02919535		1.00		102.9	%	90-110	11/21/2005	1516
CCB			0.00083885							11/21/2005	1521
CCB			0.00299753							11/21/2005	1524
CCV		M415	1.01693308		1.00		101.7	%	90-110	11/21/2005	1623
CCB			0.00205195							11/21/2005	1635
CCV		M415	0.99668095		1.00		99.7	%	90-110	11/21/2005	1704
CCB			0.00215478							11/21/2005	1713
MB		3050.	0.00180461							11/21/2005	1750
LCS		M355	0.50590723		0.500		101.2	%	73-127	11/21/2005	1754
LCS		M409D	1.19530417		1.21		98.8	%	73-127	11/21/2005	1759
CCV		M415	0.98698982		1.00		98.7	%	90-110	11/21/2005	1901
CCB			-0.0008446							11/21/2005	1913
MB		3050.	0.00167825							11/21/2005	1920
LCS		M355	0.48696116		0.500		97.4	%	73-127	11/21/2005	1924
LCS		M409D	1.18045585		1.21		97.6	%	73-127	11/21/2005	1929
MS	232892-1	M355	0.53731960		0.500	0.06968455	93.5	%	75-125	11/21/2005	1942
MSD	232892-1	M355	0.53039788	0.53731960	0.500	0.06968455	92.1	%	75-125	11/21/2005	1947
							1.3	R	30		
CCV		M415	0.96977260		1.00		97.0	%	90-110	11/21/2005	2000
CCB			-0.0002473							11/21/2005	2012
LCS		M355	0.46611275		0.500		93.2	%	80-120	11/21/2005	2053
CCV		M415	0.95556889		1.00		95.6	%	90-110	11/21/2005	2058
CCB			-0.0006240							11/21/2005	2111
CCV		M415	0.97601976		1.00		97.6	%	90-110	11/21/2005	2149
CCB			0.00013332							11/21/2005	2203
MS	232891-12	M355	0.48860340		0.500	0.00109334	97.5	%	75-125	11/21/2005	2217
MSD	232891-12	M355	0.51348528	0.48860340	0.500	0.00109334	102.5	%	75-125	11/21/2005	2223
							5.0	R	20		
CCV		M415	0.97998697		1.00		98.0	%	90-110	11/21/2005	2246
CCB			0.00087746							11/21/2005	2258

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 232892 Report Date.: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Test Method.....: SW-846 6010B Batch.....: 112904 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M414	1.96083627		2.00		98.0	%	90-110	11/21/2005	1217
ICV		M0395	1.00138356		1.00		100.1	%	90-110	11/21/2005	1244
ICV		M0410	0.98987616		1.00		99.0	%	90-110	11/21/2005	1253
ICB			-0.0021075							11/21/2005	1307
ICV		M0402	0.51990001		0.500		104.0	%	90-110	11/21/2005	1330
CCV		M415	1.04851871		1.00		104.9	%	90-110	11/21/2005	1336
CCB			0.00023685							11/21/2005	1348
CCV		M415	1.02972583		1.00		103.0	%	90-110	11/21/2005	1516
CCB			0.00046230							11/21/2005	1521
CCB			-0.0003684							11/21/2005	1524
CCV		M415	0.98888510		1.00		98.9	%	90-110	11/21/2005	1623
CCB			-0.0008811							11/21/2005	1635
CCV		M415	0.97071684		1.00		97.1	%	90-110	11/21/2005	1704
CCB			-0.0036594							11/21/2005	1713
MB		3050.	-0.0008342							11/21/2005	1750
LCS		M355	0.49373508		0.500		98.7	%	76-124	11/21/2005	1754
LCS		M409D	0.63076113		0.623		101.2	%	76-124	11/21/2005	1759
CCV		M415	0.95897194		1.00		95.9	%	90-110	11/21/2005	1901
CCB			-0.0027885							11/21/2005	1913
MB		3050.	-0.0022910							11/21/2005	1920
LCS		M355	0.46569820		0.500		93.1	%	76-124	11/21/2005	1924
LCS		M409D	0.62919493		0.623		101.0	%	76-124	11/21/2005	1929
MS	232892-1	M355	0.63088188		0.500	0.14138135	97.9	%	75-125	11/21/2005	1942
MSD	232892-1	M355	0.64926752	0.63088188	0.500	0.14138135	101.6	%	75-125	11/21/2005	1947
							2.9	R	30		
CCV		M415	0.95751063		1.00		95.8	%	90-110	11/21/2005	2000
CCB			-0.0018355							11/21/2005	2012
LCS		M355	0.45846324		0.500		91.7	%	80-120	11/21/2005	2053
CCV		M415	0.96424303		1.00		96.4	%	90-110	11/21/2005	2058
CCB			-0.0026282							11/21/2005	2111
CCV		M415	0.96655472		1.00		96.7	%	90-110	11/21/2005	2149
CCB			-0.0068633							11/21/2005	2203
MS	232891-12	M355	0.48064001		0.500	-0.0038738	96.9	%	75-125	11/21/2005	2217
MSD	232891-12	M355	0.50048475	0.48064001	0.500	-0.0038738	100.9	%	75-125	11/21/2005	2223
							4.0	R	20		
CCV		M415	0.96007608		1.00		96.0	%	90-110	11/21/2005	2246
CCB			-0.0033856							11/21/2005	2258

Test Method.....: SW-846 6010B Batch.....: 112904 Analyst...: jem
Method Description.: Metals Analysis (ICAP) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se)

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M414	2.00630635		2.00		100.3	%	90-110	11/21/2005	1217
ICV		M0395	1.01187122		1.00		101.2	%	90-110	11/21/2005	1244
ICV		M0410	1.00162132		1.00		100.2	%	90-110	11/21/2005	1253
ICB			-0.0072896							11/21/2005	1307
ICV		M0402	0.53645723		0.500		107.3	%	90-110	11/21/2005	1330
CCV		M415	1.07930621		1.00		107.9	%	90-110	11/21/2005	1336
CCB			0.00336603							11/21/2005	1348
CCV		M415	1.06278420		1.00		106.3	%	90-110	11/21/2005	1516

 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 232892

Report Date.: 11/29/2005

CUSTOMER: STL Westfield | PROJECT: 360-540 | ATTN: Tim Knollmeyer

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Selenium (Se)

Batch.....: 112904
Units.....: mg/L

Analyst...: jem
Test Code.: SE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0097142							11/21/2005	1521
CCB			0.00546900							11/21/2005	1524
CCV		M415	1.00611841		1.00		100.6	%	90-110	11/21/2005	1623
CCB			0.00556566							11/21/2005	1635
CCV		M415	1.00244331		1.00		100.2	%	90-110	11/21/2005	1704
CCB			-0.0007795							11/21/2005	1709
MB		3050.	-0.0054870							11/21/2005	1750
LCS		M355	0.48386719		0.500		96.8	%	67-133	11/21/2005	1754
LCS		M409D	1.77915550		1.78		100.0	%	67-133	11/21/2005	1759
CCV		M415	0.97732097		1.00		97.7	%	90-110	11/21/2005	1901
CCB			0.00517784							11/21/2005	1910
MB		3050.	0.00235919							11/21/2005	1920
LCS		M355	0.45166494		0.500		90.3	%	67-133	11/21/2005	1924
LCS		M409D	1.74834354		1.78		98.2	%	67-133	11/21/2005	1929
MS	232892-1	M355	0.43785283		0.500	0.00647823	86.3	%	75-125	11/21/2005	1942
MSD	232892-1	M355	0.44793895	0.43785283	0.500	0.00647823	88.3	%	75-125	11/21/2005	1947
							2.3	R	30		
CCV		M415	0.96454214		1.00		96.5	%	90-110	11/21/2005	2000
CCB			-0.0024021							11/21/2005	2012
LCS		M355	0.45185104		0.500		90.4	%	80-120	11/21/2005	2053
CCV		M415	0.98133984		1.00		98.1	%	90-110	11/21/2005	2058
CCB			0.00170739							11/21/2005	2111
CCV		M415	0.98501808		1.00		98.5	%	90-110	11/21/2005	2149
CCB			-0.0015495							11/21/2005	2203
MS	232891-12	M355	0.47746266		0.500	0.00433647	94.6	%	75-125	11/21/2005	2217
MSD	232891-12	M355	0.49831108	0.47746266	0.500	0.00433647	98.8	%	75-125	11/21/2005	2223
							4.3	R	20		
CCV		M415	0.98068875		1.00		98.1	%	90-110	11/21/2005	2246
CCB			0.00084127							11/21/2005	2258

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Silver (Ag)

Batch.....: 112904
Units.....: mg/L

Analyst...: jem
Test Code.: AG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M414	0.98684643		1.0		98.7	%	90-110	11/21/2005	1217
ICV		M0396	1.01321014		1.00		101.3	%	90-110	11/21/2005	1250
ICB			-0.0005687							11/21/2005	1307
ICV		M0402	0.51720661		0.500		103.4	%	90-110	11/21/2005	1330
CCV		M415	0.53913871		0.50		107.8	%	90-110	11/21/2005	1336
CCB			0.00025494							11/21/2005	1348
CCV		M415	0.52795626		0.50		105.6	%	90-110	11/21/2005	1516
CCB			-0.0003504							11/21/2005	1521
CCB			-0.0007841							11/21/2005	1524
CCV		M415	0.51788097		0.50		103.6	%	90-110	11/21/2005	1623
CCB			-0.0018062							11/21/2005	1635
CCV		M415	0.50728746		0.50		101.5	%	90-110	11/21/2005	1704
CCB			-0.0006542							11/21/2005	1713
MB		3050.	-0.0016945							11/21/2005	1750
LCS		M355	0.23853276		0.25		95.4	%	27-173	11/21/2005	1754
LCS		M409D	1.27857941		1.01		126.6	%	27-173	11/21/2005	1759

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

QUALITY CONTROL RESULTS

Job Number.: 232892

Report Date.: 11/29/2005

CUSTOMER: STL Westfield PROJECT: 360-540 ATTN: Tim Knollmeyer

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP)
Parameter.....: Silver (Ag)

Batch.....: 112904
Units.....: mg/L

Analyst...: jem
Test Code.: AG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig.-Value	Calc. Result	*	Limits	Date	Time
CCV		M415	0.50459324		0.50		100.9	%	90-110	11/21/2005	1901
CCB			-0.0007355							11/21/2005	1913
MB		3050.	-0.0016605							11/21/2005	1920
LCS		M355	0.21976190		0.25		87.9	%	27-173	11/21/2005	1924
LCS		M409D	1.23445689		1.01		122.2	%	27-173	11/21/2005	1929
MS	232892-1	M355	0.20953520		0.25	-0.0009897	84.2	%	75-125	11/21/2005	1942
MSD	232892-1	M355	0.21160921	0.20953520	0.25	-0.0009897	85.0	%	75-125	11/21/2005	1947
							1.0	R	30		
CCV		M415	0.49130943		0.50		98.3	%	90-110	11/21/2005	2000
CCB			0.00018579							11/21/2005	2012
LCS		M355	0.21847089		0.25		87.4	%	80-120	11/21/2005	2053
CCV		M415	0.48391560		0.50		96.8	%	90-110	11/21/2005	2058
CCB			0.00068447							11/21/2005	2111
CCV		M415	0.49806551		0.50		99.6	%	90-110	11/21/2005	2149
CCB			-0.0007253							11/21/2005	2203
MS	232891-12	M355	0.22701199		0.25	-0.0001932	90.9	%	75-125	11/21/2005	2217
MSD	232891-12	M355	0.23746658	0.22701199	0.25	-0.0001932	95.1	%	75-125	11/21/2005	2223
							4.5	R	20		
CCV		M415	0.49946629		0.50		99.9	%	90-110	11/21/2005	2246
CCB			-0.0009358							11/21/2005	2258

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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SEVERN TRENT STL

LABORATORY CHRONICLE

Job Number: 232892

Date: 11/29/2005

CUSTOMER: STL Westfield | PROJECT: 360-540 | ATTN: Tim Knollmeyer

Lab ID: 232892-1 Client ID: 360-540-1

METHOD	DESCRIPTION
SW-846 3050B	Acid Digestion, Solids and Sludges
SW-846 7471A	Mercury (CVAA)
SW-846 6010B	Metals Analysis (ICAP)
EPA 160.3 Mod.	Moisture/%Solids

Date Recvd: 11/21/2005 Sample Date: 11/17/2005

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	112890		11/21/2005	1330	
1	112928		11/22/2005	1410	
1	112904		11/21/2005	1935	
1	112923		11/21/2005	1130	

Lab ID: 232892-2 Client ID: 360-540-2

METHOD	DESCRIPTION
SW-846 3050B	Acid Digestion, Solids and Sludges
SW-846 7471A	Mercury (CVAA)
SW-846 6010B	Metals Analysis (ICAP)
EPA 160.3 Mod.	Moisture/%Solids

Date Recvd: 11/21/2005 Sample Date: 11/17/2005

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	112890		11/21/2005	1330	
1	112928		11/22/2005	1412	
1	112904		11/21/2005	1953	
1	112923		11/21/2005	1133	

Lab ID: 232892-3 Client ID: 360-540-3

METHOD	DESCRIPTION
SW-846 3050B	Acid Digestion, Solids and Sludges
SW-846 7471A	Mercury (CVAA)
SW-846 6010B	Metals Analysis (ICAP)
EPA 160.3 Mod.	Moisture/%Solids

Date Recvd: 11/21/2005 Sample Date: 11/17/2005

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	112890		11/21/2005	1330	
1	112928		11/22/2005	1415	
1	112904		11/21/2005	1957	
1	112923		11/21/2005	1138	

Lab ID: 232892-4 Client ID: 360-540-4

METHOD	DESCRIPTION
SW-846 3050B	Acid Digestion, Solids and Sludges
SW-846 7471A	Mercury (CVAA)
SW-846 6010B	Metals Analysis (ICAP)
EPA 160.3 Mod.	Moisture/%Solids

Date Recvd: 11/21/2005 Sample Date: 11/17/2005

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	112890		11/21/2005	1330	
1	112928		11/22/2005	1417	
1	112904		11/21/2005	2020	
1	112923		11/21/2005	1140	

Lab ID: 232892-5 Client ID: 360-540-5

METHOD	DESCRIPTION
SW-846 3050B	Acid Digestion, Solids and Sludges
SW-846 7471A	Mercury (CVAA)
SW-846 6010B	Metals Analysis (ICAP)
EPA 160.3 Mod.	Moisture/%Solids

Date Recvd: 11/21/2005 Sample Date: 11/17/2005

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	112890		11/21/2005	1330	
1	112928		11/22/2005	1419	
1	112904		11/21/2005	2023	
1	112923		11/21/2005	1142	

Lab ID: 232892-6 Client ID: 360-540-6

METHOD	DESCRIPTION
SW-846 3050B	Acid Digestion, Solids and Sludges
SW-846 7471A	Mercury (CVAA)
SW-846 6010B	Metals Analysis (ICAP)
EPA 160.3 Mod.	Moisture/%Solids

Date Recvd: 11/21/2005 Sample Date: 11/17/2005

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	112890		11/21/2005	1330	
1	112928		11/22/2005	1422	
1	112904		11/21/2005	2027	
1	112923		11/21/2005	1145	

Lab ID: 232892-7 Client ID: 360-540-7

METHOD	DESCRIPTION
SW-846 3050B	Acid Digestion, Solids and Sludges
SW-846 7471A	Mercury (CVAA)
SW-846 6010B	Metals Analysis (ICAP)
EPA 160.3 Mod.	Moisture/%Solids

Date Recvd: 11/21/2005 Sample Date: 11/17/2005

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	112890		11/21/2005	1330	
1	112928		11/22/2005	1424	
1	112904		11/21/2005	2030	
1	112923		11/21/2005	1147	

Lab ID: 232892-8 Client ID: 360-540-8

METHOD	DESCRIPTION
SW-846 3050B	Acid Digestion, Solids and Sludges
SW-846 7471A	Mercury (CVAA)
SW-846 6010B	Metals Analysis (ICAP)
EPA 160.3 Mod.	Moisture/%Solids

Date Recvd: 11/21/2005 Sample Date: 11/17/2005

RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
1	112890		11/21/2005	1330	
1	112928		11/22/2005	1426	
1	112904		11/21/2005	2034	
1	112923		11/21/2005	1150	

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 11/29/2005

(1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
(2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIA, IIB, and III
(3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
(4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
(5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
(6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
(7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
(8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
(9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

According to 40CFR Part 136.3, pH, total residual chlorine, dissolved oxygen, sulfite, and temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH, Client Provided), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND = Not detected at a value greater than the reporting limit
TNTC = Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB Method Blank
ICB Initial Calibration Blank
CCB Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS Method (Matrix) Spike
MSD Method (Matrix) Spike Duplicate
PDS Post Digestion/Distillation Spike
SB Spiked Blank
SBD Spiked Blank Duplicate

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 11/29/2005

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
RS	Reference Standard
ICV	Initial Calibration Verification Standard
CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
DSC	Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
DD	Digestion Duplicate
PDD	Post Digestion Duplicate
PSD	Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he	Lake Charles, LA	*lc
Aurora, CO	*au	North Canton, OH	*nc		
Tampa, FL	*ta	Valparaiso, IN	*vp		
Sacramento, CA	*sa	Chicago, IL	*ch		
Pensacola, FL	*pe	Tallahassee, FL	*tl		

Other:

Client provided data *cp Non-STL Subcontract Lab *xx

EXPLANATION OF QC FLAGS

- B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
- D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
- E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
- F - Indicated that a initial calibration verification or continuing calibration verification recovery is outside the specified quality control limits.
- I - Used to indicate matrix interference.
- X - Indicates that a surrogate recovery is outside the specified quality control limits.
- Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
- Z - Used to indicate a relative percent difference (RPD) for a duplicate analysis is outside the specified quality control limits.
- * - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
- ' - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

- B - Indicates that a value for an inorganic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
- J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
- U - Indicates that a value is less than the MDL or was not detected.

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. Westfield
Southampton Road
estfield, MA 01085

238690

SUBCONTRACTING CHAIN OF CUSTODY

TL Project Manager	VERBAL DUE DATE	FAX DUE DATE	HARDCOPY DUE DATE
Tim Kwolmegen		12/2/05	

JOB No	Regulatory Methods
360-540	NPDES _____ SW846 _____ SDWA _____ Other _____

EPHONE NUMBER	FAX NUMBER	QC REPORT REQUIRED?	PO #:
413) 572-4000	(413) 572-3707	YES NO	

CLIENT SAMPLE ID	LAB ID	COLLECTION DATE & TIME	MATRIX	PARAMETER/ METHOD	BOTTLE TYPE #	PRESERV.	NET PRICE
#25	1	11/17/05 1040	SO	6010/7470 RCRA 8	402	None	[redacted]
#102	2	1110					
#149	3	1135					
#121	4	1200					
#163	5	1230					
#136	6	1250					
#193	7	1310					
#142	8	1325					
		Tim		Kwolmegen		11/18/05	

ples Relinquished by:	Date & Time	Samples Received by:	Date & Time
Tim Kwolmegen	11/18/05 1600	FedEx	
mples Relinquished by: FedEX	Date & Time	Samples Received by: McLemott SRC	Date & Time 11/21/05 9:50

tandard Instructions
Please provide the date of analysis
Please use Lab ID to identify samples on your report
If QC report is requested, please report the results for the method blank(s), LCS(s), matrix spike(s), duplicates and surrogates as applicable.

HIPPING INSTRUCTIONS / COMMENTS:	COOLER TEMP. @ RECEIPT	REPORT DIRECT TO:
STL Corpus Christi	0.8C	Project Manager STL Westfield 53 Southampton Road Westfield, MA 01085
	VRM Initials	**INVOICE DIRECT TO:** Accounting STL Westfield 53 Southampton Road Westfield, MA 01805

Page ____ of ____

White = Sub Lab Yellow = Report Copy Pink = Accounting

rpjsckl | Job Sample Receipt Checklist Report | V2

Job Number.: 232892 Location.: 57203 Check List Number.: 1 Description.:
Customer Job ID.....: Job Check List Date.: Date of the Report..: 11/21/2005
Project Number.: 98000084 Project Description.: Project - OVM Project Manager.....: ovm
Customer.....: STL Westfield Contact.: Tim Knollmeyer

Questions ?	(Y/N)	Comments
How did samples arrive?.....		FED EX
Chain-of-Custody Present?.....	Y	
Custody seal on shipping container?.....	Y	
...If "yes", custody seal intact?.....	Y	
Custody seals on sample containers?.....	N	
...If "yes", custody seal intact?.....		
Samples chilled?.....	Y	
Temperature blank in cooler?.....	Y	
Temp of cooler acceptable? (0.05 to 6.00 deg C)	Y	0.8C
Samples received intact (good condition)?.....	Y	
Volatile samples acceptable? (no headspace).....		NA
Correct containers used?.....	Y	
Adequate sample volume provided?.....	Y	
Samples preserved correctly?.....	Y	
Samples received within holding-time?.....	Y	
Agreement between COC and sample labels?.....	Y	
Additional.....		
Comments.....		
Sample Custodian Signature.....		V.MCDERMOTT 11/21/2005

Severn Trent Laboratories, Inc.
Chain of Custody Form

SEVERN TRENT STL

22548

•53 Southampton Road
Westfield, MA 01085
(P) 413-572-4000
(F) 413-572-3707
STL Westfield

•149 Rangeway Road
N. Billerica, MA 01862
(P) 978-667-1400
(F) 978-667-7871
STL Billerica / Service Center

Client: Tighe & Bond
Address: 53 Southampton Rd, Westfield, MA 01085
Phone: 413-562-1600 Fax:

Project #: A-308
Project Manager: JTW
Work ID: Old Amherst LF
Contact: JJT

Job# 360-540 | Quote# | PO#

Requested Turnaround Time (PLEASE SPECIFY): STANDARD ✓ | RUSH ____ (Lab Approval Required)

Regulatory Classification: NPDES ____ Drinking Water ____ RCRA ____ MCP GW1/S1 ____ Other ____

Special Report Format: QA/QC Report ____ DQE (MCP) Rpt ____ DEP Form(s) ____

Shaded areas for office use

Analysis Requested
Check analysis and specify method and analytes in comments section.
For example:
500-series for drinking water
600-series for waste water, NPDES
6000-series for groundwater, soil, waste
8000-series for groundwater, soil, waste
Use comments section to further define.

Comments (Special Instructions)
Please print legibility. If the analytical requests are not clearly defined on the chain-of-custody, the turnaround time will begin after all questions have been satisfactorily answered.

1. 8260 + Acetone, MEK, MIBK, MTBE + xylenes
2. RCRA 8 As, Ba, Cd, Cr, Pb, Hg, Se, Ag

Sample Type Codes
WW-Wastewater DW-Drinking water SW-Surface water
LW-Lab water GW-Groundwater A-Air
S-Solid / Soil SL-Sludge O-Oil Z-Other

Sample ID	Sample Type	Sampler's Initials	Date Time Collected	Grab	Comp.	# Containers	Plastic(P) or Glass(G)	NaHSO4/MeOH	HNO3 to pH <2	H2SO4 to pH <2	HCl to pH <2	NaOH to pH >12	Na2S2O3	None / 4° C	Volatiles 524 /624 /8260	Volatiles 601 /602 /8021	Semivoa 525 /625 /8270	PCB / Pest / Herbicide	EPH / VPH	DRO / GRO / ETPH	Metals 6010 / 200.7	Mercury 245.1 / 7470-71	General Chemistry	Bacteriological	Toxicity	Oil & Grease / TOC	Radchem / Other
#35	So	AM	11/17/05 1040	✓		3	G	✓						✓	1.						2						
#102	So	AM	11/17/05 1110	✓		3	G	✓						✓	1.						2.						
#149	So	AM	11/17/05 1135	✓		3	G	✓						✓	1.						2.						
#121	So	AM	11/17/05 1200	✓		3	G	✓						✓	1.						2.						
#163	So	AM	11/17/05 1230	✓		3	G	✓						✓	1.						2.						
#136	So	AM	11/17/05 1250	✓		3	G	✓						✓	1.						2.						
#193	So	AM	11/17/05 1310	✓		3	G	✓						✓	1.						2.						
#142	So	AM	11/17/05 1325	✓		3	G	✓						✓	1.						2						
11/17/05																						K/17					

Sampled by (print): Adam Marshall
Signature: [signature]

Relinquished by: [signature] Date: 11/17/05 Time: 1610
Received by: [signature] Date: 11/17/05 Time: 1610

Relinquished by: Date: Time:
Received by: Date: Time:

Relinquished by: Date: Time:
Received by: Date: Time:

Cooler? Y / N
MADEP Requirement Samples Iced? Y / N
Temp @ receipt: 8.8 °C
Preservation / pH checked? Y / N
By: [initials] Date: 11/17/05

WESTFIELD

Page ____ of ____

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SEVERN TRENT STL®

STL Westfield
53 Southampton Road
Westfield, MA 01085

Tel: 413 572 4000 Fax: 413 572 3707
www.stl-inc.com

Jeff Thelen
53 Southampton Road
Westfield, MA 01085

RECEIVED
DEC 28 2005
TIGHE & BOND

December 23, 2005

REVISED

Report Number: 360-540

Dear Mr. Thelen,

The revised report for the above referenced project is now complete. This revision includes the TIC reports for samples 360-540-1-8 associated with this job.

If you should have any questions regarding this report or any part of our service, please do not hesitate to contact us. Thank you for selecting STL Westfield, and we look forward to working with you on future projects.

Steven C. Hartmann
Laboratory Director
STL Westfield

Technical Review: CER 12/23/05

Total number of pages in this report: 33

LSC Area Percent Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30834.D Vial: 17
Acq On : 22 Nov 2005 10:14 pm Operator: XC
Sample : LI=360-10926 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

360-1540-1 #25

Method : F:\HPCHEM\1\METHODS\100605-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

12/20/05

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 50

12/20/05

Signal : TIC

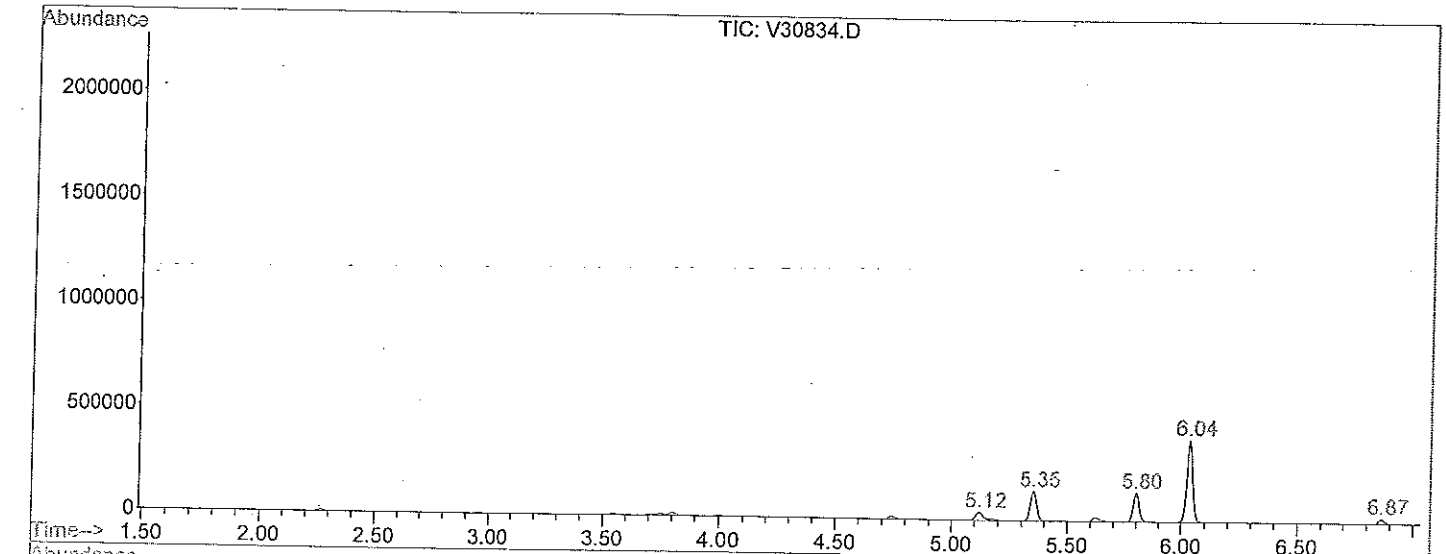
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.122	694	704	711	rBV	39324	83773	1.82%	0.519%
2	5.354	738	749	763	rBV	141602	273067	5.92%	1.692%
3	5.799	827	835	850	rVB	136778	253530	5.50%	1.571%
4	6.037	872	881	892	rBV	389980	689449	14.94%	4.272%
5	6.869	1035	1042	1054	rBV	24650	46578	1.01%	0.289%
6	7.277	1112	1121	1134	rBV	473383	774670	16.79%	4.800%
7	7.447	1142	1154	1173	rBV	1939685	3961376	85.86%	24.544%
8	8.228	1299	1305	1322	rVB	208149	324271	7.03%	2.009%
9	8.465	1342	1351	1367	rBV	414304	653216	14.16%	4.047%
10	9.282	1498	1509	1519	rBV	2264754	4613770	100.00%	28.586%
11	9.385	1519	1529	1541	rVB	310537	501999	10.88%	3.110%
12	10.259	1691	1698	1709	rVV	341579	528824	11.46%	3.277%
13	10.796	1790	1802	1815	rBV	1423433	3138475	68.02%	19.446%
14	12.992	2211	2227	2241	rBV	96986	296710	6.43%	1.838%

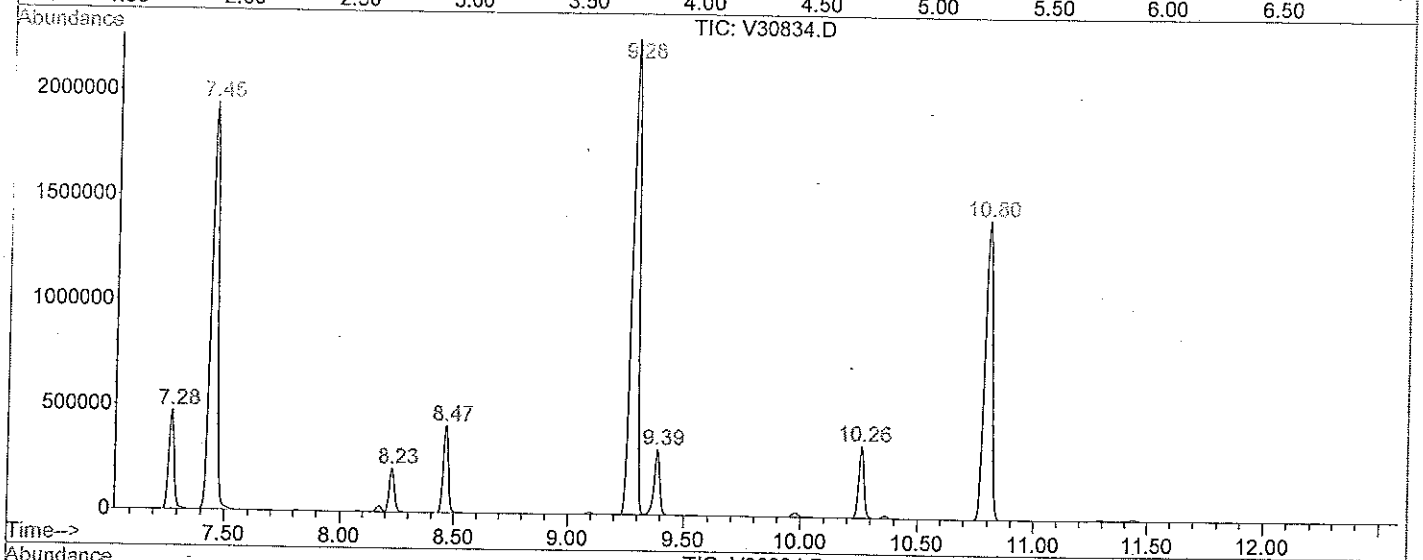
Sum of corrected areas: 16139708

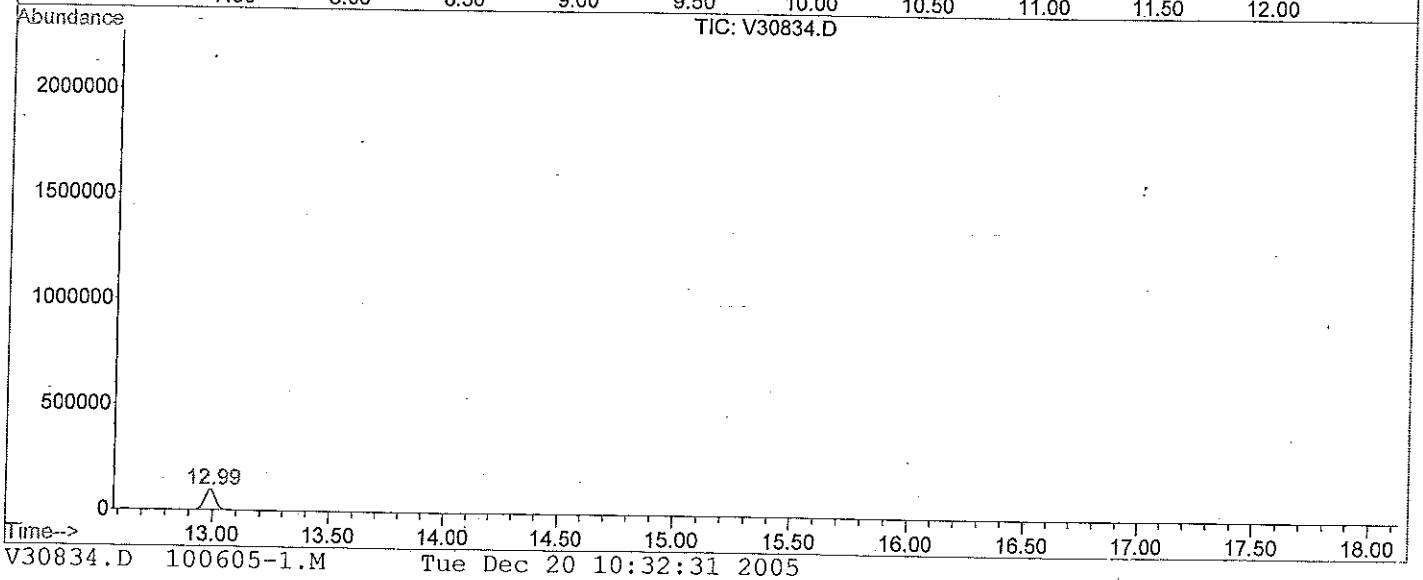
V30834.D 100605-1.M Tue Dec 20 10:32:31 2005

LSC Report - Integrated Chromatogram

File : Z:\VOADATA\GCMS-1\112205-1\V30834.D
Operator : XC
Acquired : 22 Nov 2005 10:14 pm using AcqMethod 122903-1
Instrument : GCMS#1
Sample Name: LI=360-10926 LB=GCMS#1112205 LM=8260B
Misc Info : RDU=ug/L DF=1 ANTIFOAMER
Vial Number: 17
Quant File :1014SL-1.RES (RTE Integrator)







V30834.D 100605-1.M Tue Dec 20 10:32:31 2005

Library Search Compound Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30834.D Vial: 17
Acq On : 22 Nov 2005 10:14 pm Operator: XC
Sample : LI=360-10926 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator) #25
Title : METHOD 8260/524.2/624
Library : C:\DATABASE\NIST98.L

****

Peak Number 1 Hexanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	9.93	324271	CHLOROBENZENE-D5	8.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	90
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	56

Tentatively Identified Compound (LSC) summary

Operator ID: XC Date Acquired: 22 Nov 2005 10:14 pm
Data File: Z:\VOADATA\GCMS-1\112205-1\V30834.D
Name: LI=360-10926 LB=GCMS#1112205 LM=8260B
Misc: RDU=ug/L DF=1 ANTIFOAMER
Method: F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title: METHOD 8260/524.2/624
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hexanal	8.23	9.9		324271	ISTD02	8.47	653216	20.0

V30834.D 100605-1.M Tue Dec 20 10:32:31 2005

TIC #25

LSC Area Percent Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30835.D Vial: 18
Acq On : 22 Nov 2005 10:39 pm Operator: XC
Sample : LI=360-10927 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : F:\HPCHEM\1\METHODS\100605-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 50

360-540-2 #102 12/20/05 BW 12/20/05

Signal : TIC

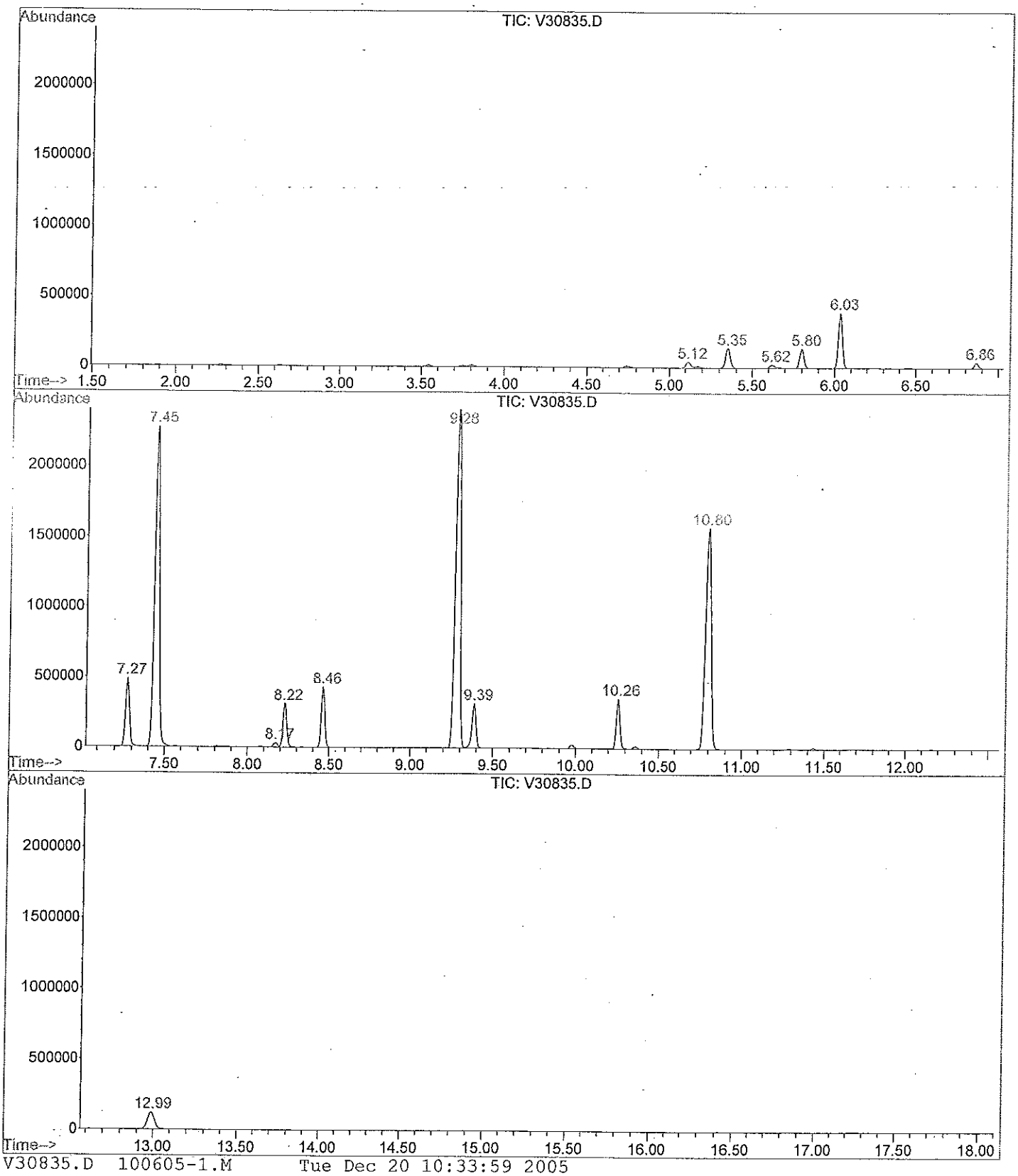
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.118	693	702	709	rBV	44159	93259	1.82%	0.511%
2	5.350	737	747	761	rBV	141644	274844	5.36%	1.505%
3	5.619	793	799	809	rBV	24160	54868	1.07%	0.300%
4	5.800	826	834	847	rVB	137385	253644	4.95%	1.389%
5	6.032	869	879	892	rBV	394369	701150	13.68%	3.838%
6	6.864	1032	1040	1048	rBV	40688	70314	1.37%	0.385%
7	7.273	1111	1119	1137	rBV	486735	787717	15.37%	4.312%
8	7.448	1140	1153	1172	rBV	2278093	4742394	92.51%	25.962%
9	8.172	1285	1293	1298	rBV2	32327	56019	1.09%	0.307%
10	8.224	1298	1303	1322	rVB	310691	492773	9.61%	2.698%
11	8.461	1341	1349	1362	rBV	430679	661373	12.90%	3.621%
12	9.278	1497	1507	1518	rBV	2403830	5126210	100.00%	28.063%
13	9.386	1518	1528	1539	rVB	316232	504964	9.85%	2.764%
14	10.260	1690	1697	1709	rVB	353884	532434	10.39%	2.915%
15	10.797	1788	1801	1813	rBV	1574545	3547598	69.21%	19.421%
16	12.988	2210	2225	2242	rBV	120042	367216	7.16%	2.010%

Sum of corrected areas: 18266777

V30835.D 100605-1.M Tue Dec 20 10:33:58 2005

LSC Report - Integrated Chromatogram

File : Z:\VOADATA\GCMS-1\112205-1\V30835.D
Operator : XC
Acquired : 22 Nov 2005 10:39 pm using AcqMethod 122903-1
Instrument : GCMS#1
Sample Name: LI=360-10927 LB=GCMS#1112205 LM=8260B
Misc Info : RDU=ug/L DF=1 ANTIFOAMER
Vial Number: 18
Quant File :1014SL-1.RES (RTE Integrator)



V30835.D 100605-1.M Tue Dec 20 10:33:59 2005

Library Search Compound Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30835.D Vial: 18
Acq On : 22 Nov 2005 10:39 pm Operator: XC
Sample : LI=360-10927 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Library : C:\DATABASE\NIST98.L

#102

****

Peak Number 1 Pentanal Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	2.01	70314	FLUOROBENZENE	6.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	91
2	Pentanal	86	C5H10O	000110-62-3	83
3	Pentanal	86	C5H10O	000110-62-3	80
4	Butanal, 3-methyl-	86	C5H10O	000590-86-3	78
5	Pentanal	86	C5H10O	000110-62-3	64

****

Peak Number 2 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	14.90	492773	CHLOROBENZENE-D5	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	80
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	40

Tentatively Identified Compound (LSC) summary

Operator ID: XC Date Acquired: 22 Nov 2005 10:39 pm
Data File: Z:\VOADATA\GCMS-1\112205-1\V30835.D
Name: LI=360-10927 LB=GCMS#1112205 LM=8260B
Misc: RDU=ug/L DF=1 ANTIFOAMER
Method: F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title: METHOD 8260/524.2/624
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Pentanal	6.86	2.0		70314	ISTD01	6.03	701150	20.0
Hexanal	8.22	14.9		492773	ISTD02	8.46	661373	20.0

V30835.D 100605-1.M ~~Tue Dec~~ 20 10:33:59 2005

TICs #102

LSC Area Percent Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30841.D
Acq On : 23 Nov 2005 1:07 am
Sample : LI=360-10933 LB=GCMS#1112205 LM=8260B
Misc : RDU=ug/L DF=1 ANTIFOAMER
MS Integration Params: LSCINT.P

Vial: 24
Operator: XC
Inst : GCMS#1
Multiplr: 1.00

Method : F:\HPCHEM\1\METHODS\100605-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.2

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

360-540-3 #149

12/20/05

BW 12/20/05

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 50

Signal : TIC

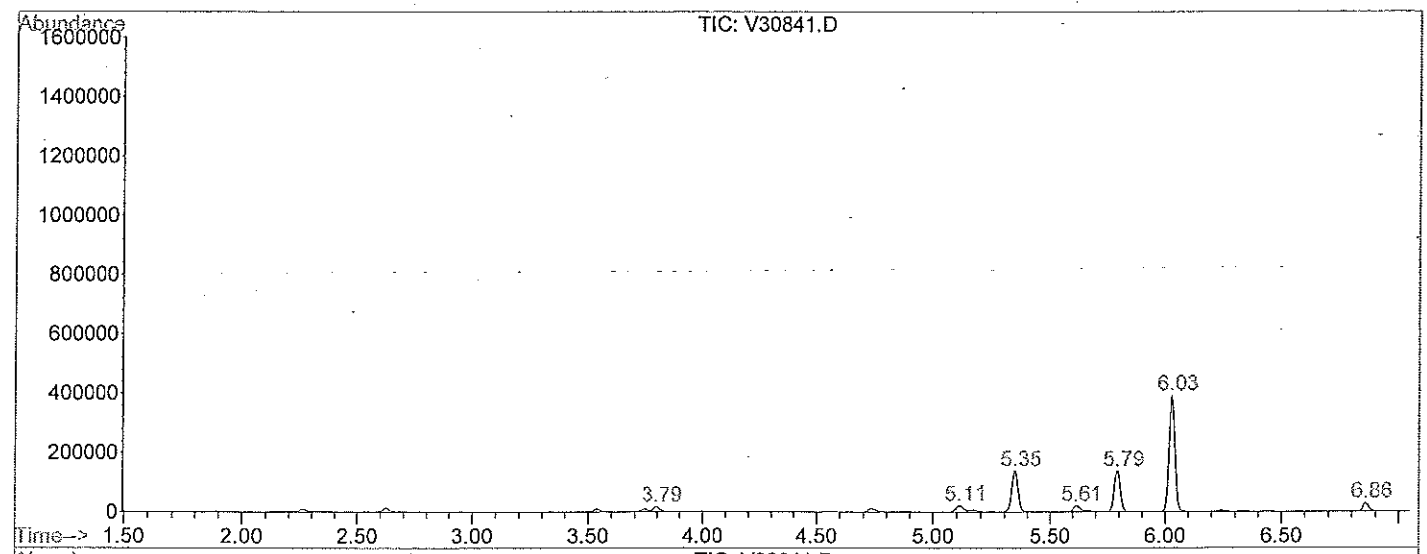
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.795	441	446	461	rVB	16606	34194	1.13%	0.286%
2	5.112	690	701	707	rBV	21952	47021	1.56%	0.393%
3	5.345	737	746	760	rBV	138965	274532	9.10%	2.293%
4	5.614	791	798	807	rBV	20283	45250	1.50%	0.378%
5	5.795	824	833	845	rVB	136583	252771	8.38%	2.111%
6	6.027	868	878	890	rBV	392793	697879	23.13%	5.828%
7	6.859	1032	1039	1048	rBV	29153	52281	1.73%	0.437%
8	7.268	1110	1118	1131	rBV	484954	781784	25.91%	6.529%
9	7.438	1141	1151	1170	rBV	1293233	2688171	89.10%	22.448%
10	8.218	1296	1302	1320	rVB	231250	360146	11.94%	3.008%
11	8.456	1340	1348	1361	rBV	422722	647998	21.48%	5.411%
12	9.273	1496	1506	1516	rBV2	1602201	3017037	100.00%	25.195%
13	9.381	1516	1527	1538	rVB	309177	497570	16.49%	4.155%
14	10.255	1689	1696	1708	rVB	324154	501529	16.62%	4.188%
15	10.353	1708	1715	1728	rVB	34221	53674	1.78%	0.448%
16	10.787	1788	1799	1811	rBV	895202	1879661	62.30%	15.697%
17	12.978	2207	2223	2237	rBV	47879	143430	4.75%	1.198%

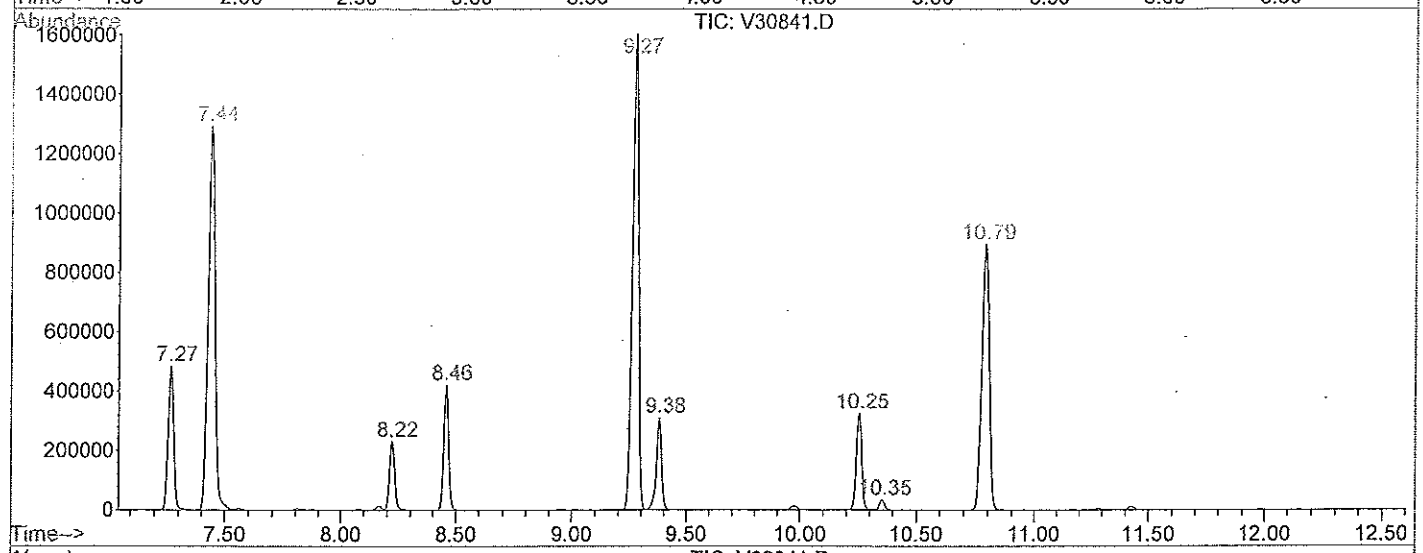
Sum of corrected areas: 11974928

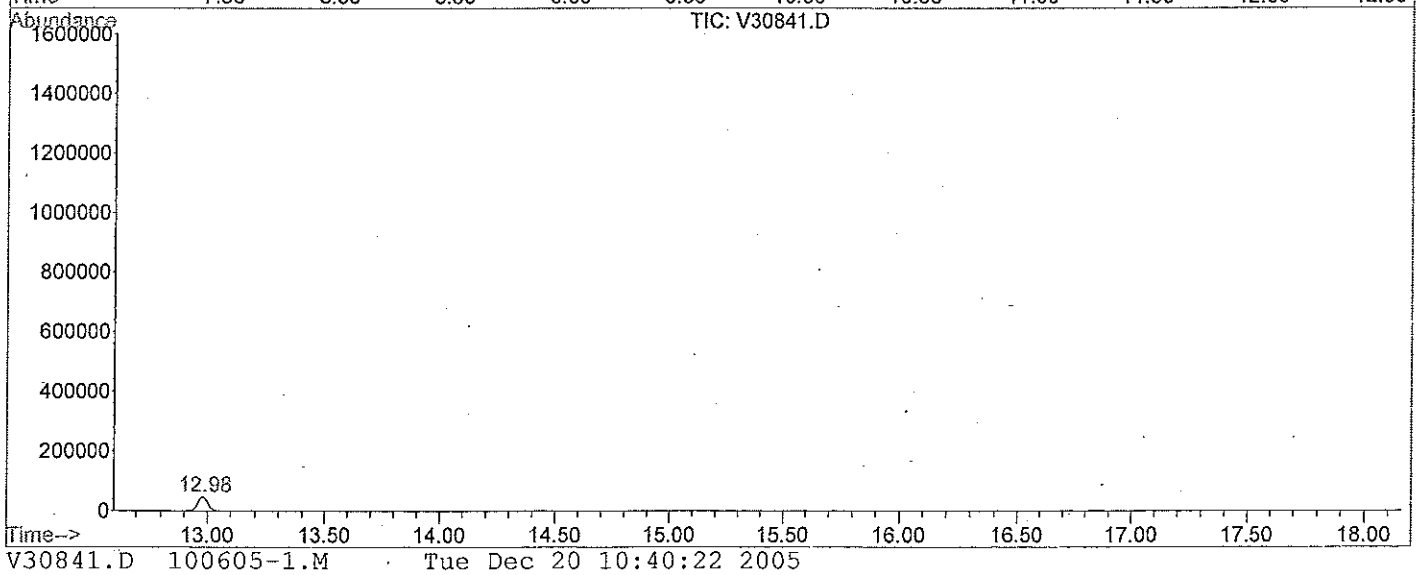
V30841.D 100605-1.M Tue Dec 20 10:40:22 2005

LSC Report - Integrated Chromatogram

File : Z:\VOADATA\GCMS-1\112205-1\V30841.D
Operator : XC
Acquired : 23 Nov 2005 1:07 am using AcqMethod 122903-1
Instrument : GCMS#1
Sample Name: LI=360-10933 LB=GCMS#1112205 LM=8260B
Misc Info : RDU=ug/L DF=1 ANTIFOAMER
Vial Number: 24
Quant File :1014SL-1.RES (RTE Integrator)







V30841.D 100605-1.M Tue Dec 20 10:40:22 2005

Library Search Compound Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30841.D Vial: 24
Acq On : 23 Nov 2005 1:07 am Operator: XC
Sample : LI=360-10933 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Library : C:\DATABASE\NIST98.L

#149

****

Peak Number 1 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	11.12	360146	CHLOROBENZENE-D5	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	90
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	40

****

Peak Number 2 Octanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	2.14	53674	1,4-DICHLOROBENZENE-D4	10.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	91
2	Octanal	128	C8H16O	000124-13-0	91
3	Octanal	128	C8H16O	000124-13-0	91
4	Octanal	128	C8H16O	000124-13-0	72
5	Cyclopentanol, 2-methyl-, trans-	100	C6H12O	025144-04-1	46

Tentatively Identified Compound (LSC) summary

Operator ID: XC Date Acquired: 23 Nov 2005 1:07 am
Data File: Z:\VOADATA\GCMS-1\112205-1\V30841.D
Name: LI=360-10933 LB=GCMS#1112205 LM=8260B
Misc: RDU=ug/L DF=1 ANTIFOAMER
Method: F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title: METHOD 8260/524.2/624
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hexanal	8.22	11.1		360146	ISTD02	8.46	647998	20.0
Octanal	10.35	2.1		53674	ISTD03	10.25	501529	20.0

V30841.D 100605-1.M Tue Dec 20 10:40:23 2005

TICs #149

LSC Area Percent Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30836.D Vial: 19
Acq On : 22 Nov 2005 11:04 pm Operator: XC
Sample : LI=360-10928 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

360-5[illegible]-4 #121

Method : F:\HPCHEM\1\METHODS\100605-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

[illegible] 12/20/05
BN 12/20/05

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 50

Signal : TIC

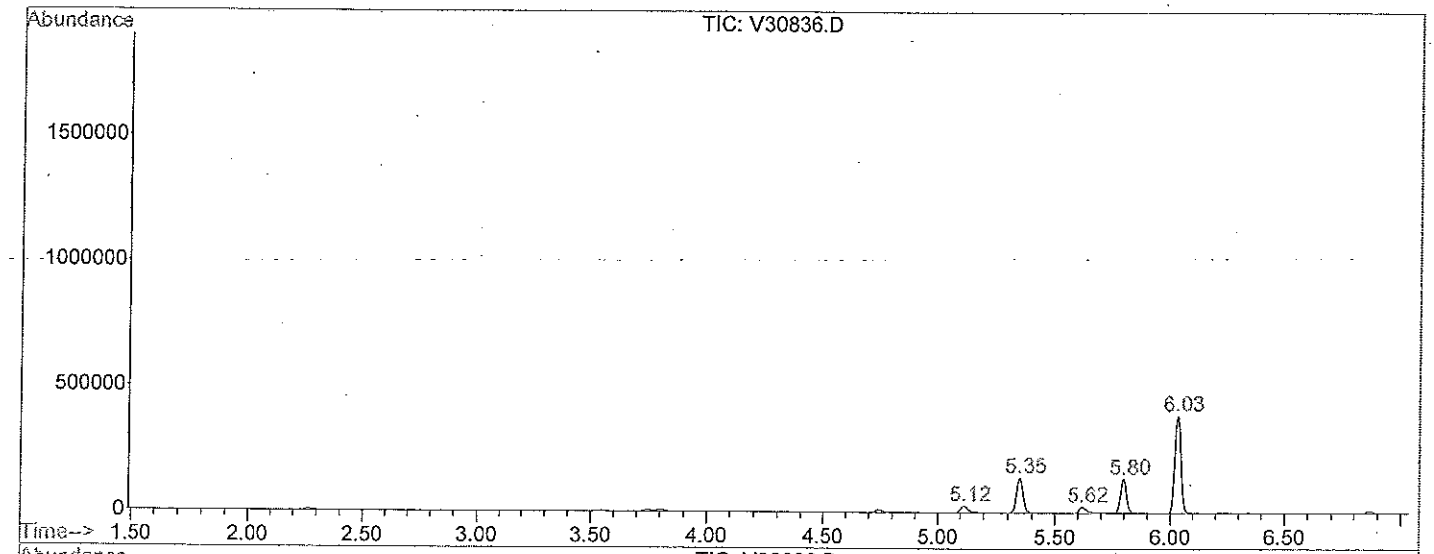
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.116	692	703	713	rBV	27607	63116	1.73%	0.482%
2	5.349	738	748	763	rBV	140912	274282	7.54%	2.095%
3	5.618	793	800	810	rBV	24847	54145	1.49%	0.414%
4	5.798	827	835	848	rVB	135651	252155	6.93%	1.926%
5	6.031	871	880	894	rBV	388124	699566	19.23%	5.343%
6	7.271	1111	1120	1138	rBV	473567	777621	21.37%	5.939%
7	7.447	1142	1154	1173	rBV	1482005	3106143	85.37%	23.724%
8	8.227	1299	1305	1316	rVB	73647	118056	3.24%	0.902%
9	8.460	1342	1350	1367	rBV	416457	644110	17.70%	4.919%
10	9.276	1497	1508	1519	rBV	1898727	3638370	100.00%	27.789%
11	9.385	1519	1529	1542	rVV	305452	472417	12.98%	3.608%
12	10.258	1690	1698	1708	rBV	338915	525436	14.44%	4.013%
13	10.791	1788	1801	1813	rBV	1061440	2292573	63.01%	17.510%
14	12.987	2213	2226	2244	rVB	57378	175066	4.81%	1.337%

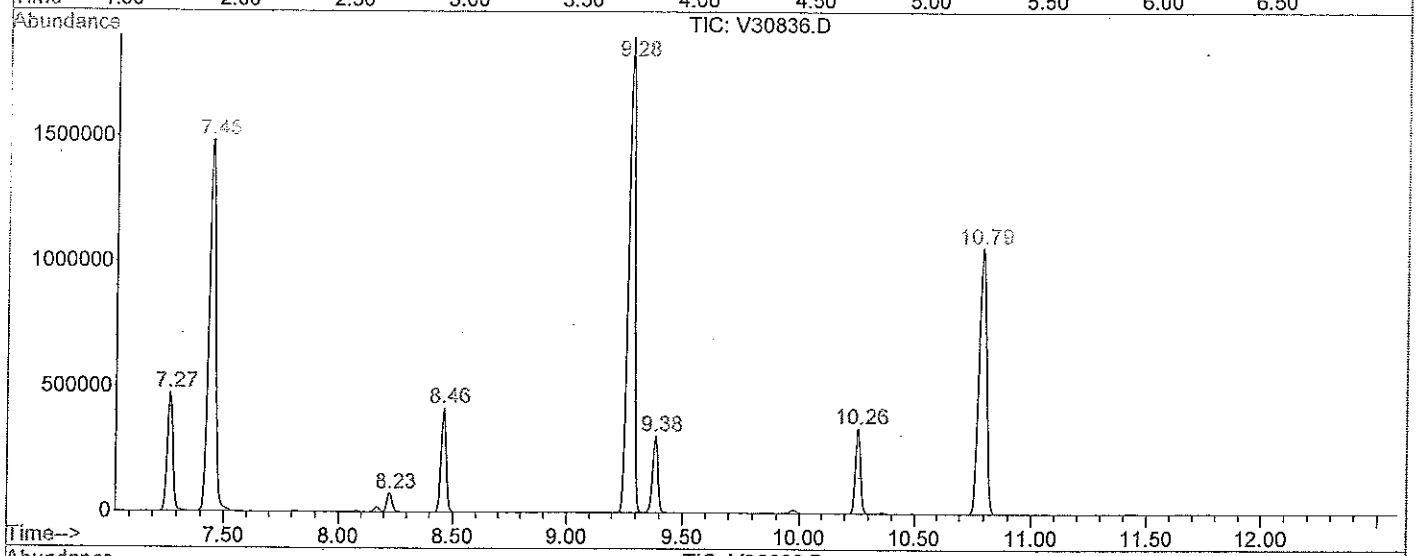
Sum of corrected areas: 13093056

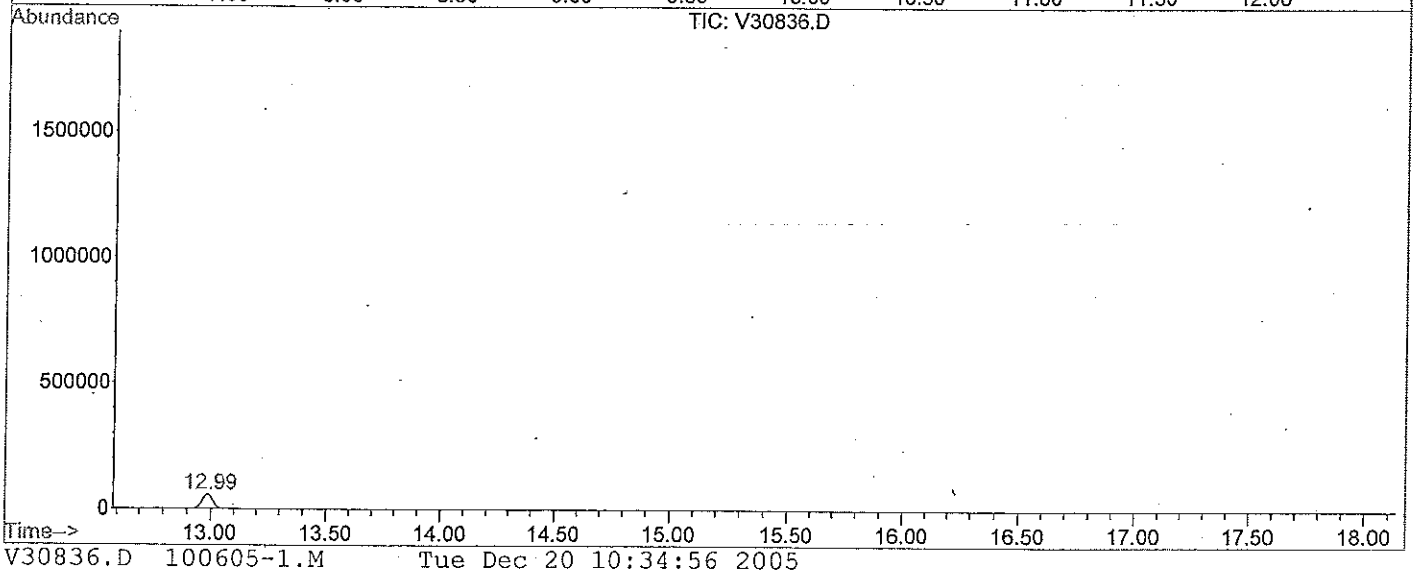
V30836.D 100605-1.M Tue Dec 20 10:34:56 2005

LSC Report - Integrated Chromatogram

File : Z:\VOADATA\GCMS-1\112205-1\V30836.D
Operator : XC
Acquired : 22 Nov 2005 11:04 pm using AcqMethod 122903-1
Instrument : GCMS#1
Sample Name: LI=360-10928 LB=GCMS#1112205 LM=8260B
Misc Info : RDU=ug/L DF=1 ANTIFOAMER
Vial Number: 19
Quant File :1014SL-1.RES (RTE Integrator)







V30836.D 100605-1.M Tue Dec 20 10:34:56 2005

Library Search Compound Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30836.D Vial: 19
Acq On : 22 Nov 2005 11:04 pm Operator: XC
Sample : LI=360-10928 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Library : C:\DATABASE\NIST98.L

#121

****

Peak Number 1 Hexanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	3.67	118056	CHLOROBENZENE-D5	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	86
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	39

Tentatively Identified Compound (LSC) summary

Operator ID: XC Date Acquired: 22 Nov 2005 11:04 pm
Data File: Z:\VOADATA\GCMS-1\112205-1\V30836.D
Name: LI=360-10928 LB=GCMS#1112205 LM=8260B
Misc: RDU=ug/L DF=1 ANTIFOAMER
Method: F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title: METHOD 8260/524.2/624
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hexanal	8.23	3.7		118056	ISTD02	8.46	644110	20.0

V30836.D 100605-1.M Tue Dec 20 10:34:57 2005

TIC #121

LSC Area Percent Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30837.D
Acq On : 22 Nov 2005 11:28 pm
Sample : LI=360-10929 LB=GCMS#1112205 LM=8260B
Misc : RDU=ug/L DF=1 ANTIFOAMER
MS Integration Params: LSCINT.P

Vial: 20
Operator: XC
Inst : GCMS#1
Multiplr: 1.00

Method : F:\HPCHEM\1\METHODS\100605-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.2

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 50

360-58-5
#163
XC 12/20/05
BW 12/20/05

Signal : TIC

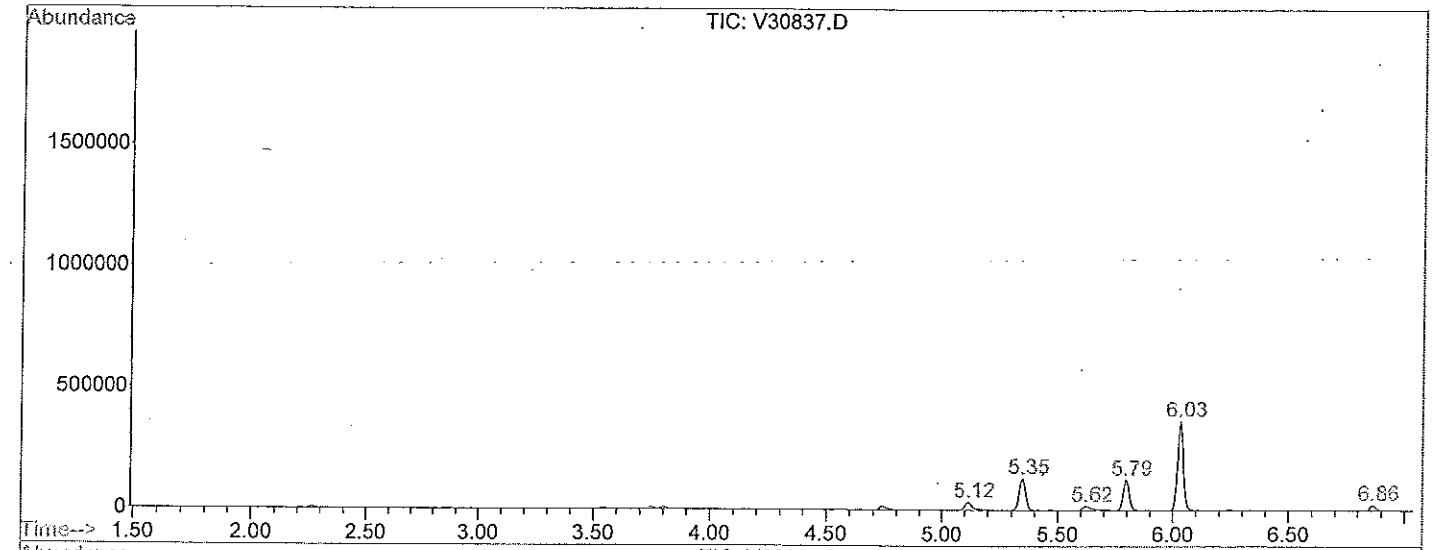
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.117	694	703	711	rBV	32540	70327	1.82%	0.492%
2	5.349	738	748	763	rBV	130703	256538	6.63%	1.793%
3	5.623	794	801	812	rBV	16580	44768	1.16%	0.313%
4	5.794	826	834	847	rVB	124201	231091	5.97%	1.616%
5	6.031	871	880	897	rBV	366499	643477	16.62%	4.498%
6	6.863	1033	1041	1065	rBV	22653	44753	1.16%	0.313%
7	7.272	1112	1120	1138	rBV	453268	727259	18.79%	5.084%
8	7.442	1142	1153	1173	rBV	1688463	3459080	89.36%	24.182%
9	8.223	1298	1304	1317	rVB	262562	403142	10.41%	2.818%
10	8.460	1342	1350	1361	rBV	410865	632271	16.33%	4.420%
11	9.277	1495	1508	1518	rBV	1959689	3871162	100.00%	27.063%
12	9.385	1518	1529	1541	rVV	315609	494054	12.76%	3.454%
13	10.254	1690	1697	1708	rBV	375168	588740	15.21%	4.116%
14	10.791	1788	1801	1813	rBV	1200775	2606871	67.34%	18.224%
15	12.982	2210	2225	2244	rBV2	75323	230948	5.97%	1.615%

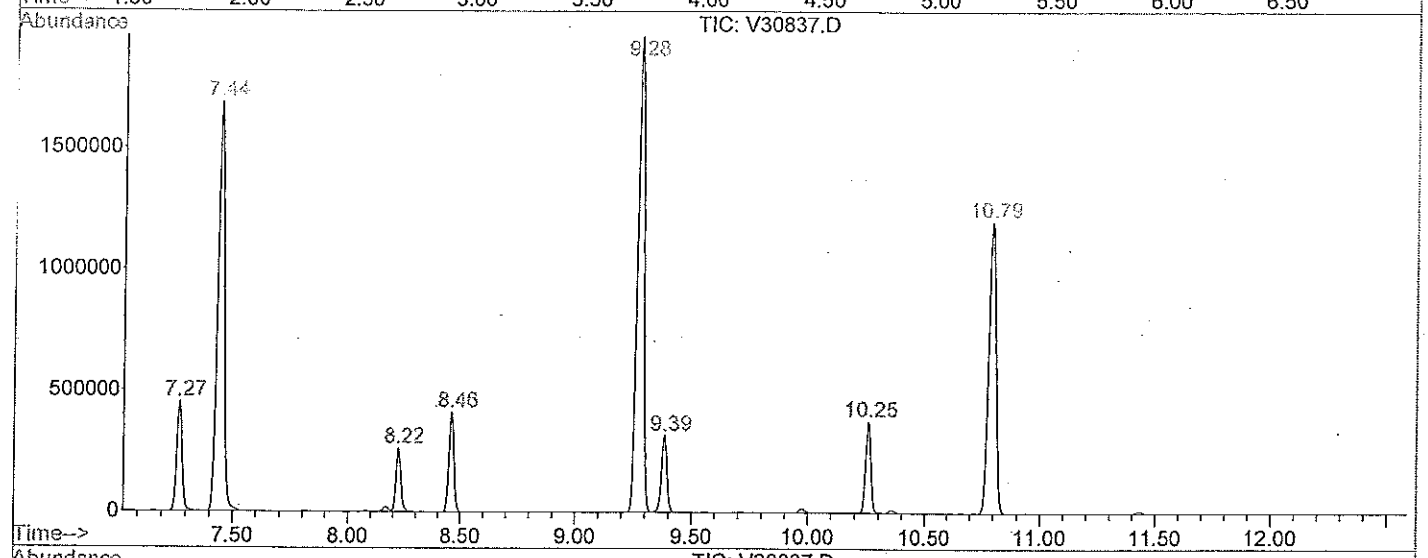
Sum of corrected areas: 14304481

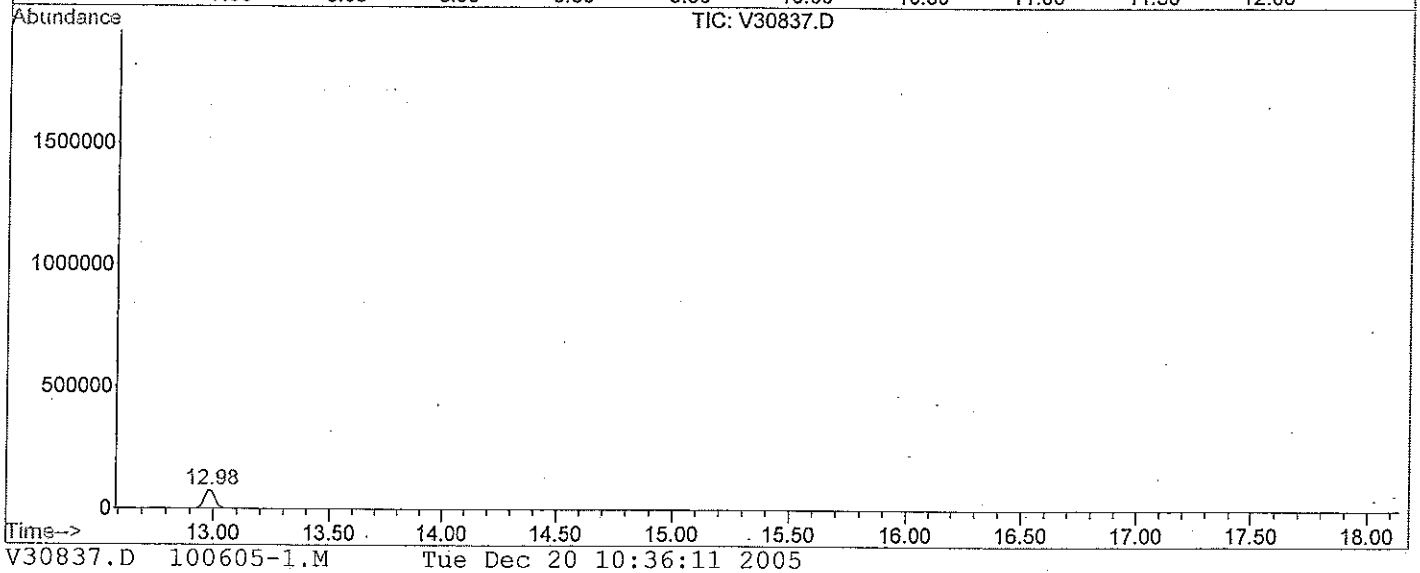
V30837.D 100605-1.M Tue Dec 20 10:36:10 2005

LSC Report - Integrated Chromatogram

File : Z:\VOADATA\GCMS-1\112205-1\V30837.D
Operator : XC
Acquired : 22 Nov 2005 11:28 pm using AcqMethod 122903-1
Instrument : GCMS#1
Sample Name: LI=360-10929 LB=GCMS#1112205 LM=8260B
Misc Info : RDU=ug/L DF=1 ANTIFOAMER
Vial Number: 20
Quant File :1014SL-1.RES (RTE Integrator)







V30837.D 100605-1.M Tue Dec 20 10:36:11 2005

Library Search Compound Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30837.D Vial: 20
Acq On : 22 Nov 2005 11:28 pm Operator: XC
Sample : LI=360-10929 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Library : C:\DATABASE\NIST98.L

#163

****

Peak Number 1 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	12.75	403142	CHLOROBENZENE-D5	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	90
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	64

Tentatively Identified Compound (LSC) summary

Operator ID: XC Date Acquired: 22 Nov 2005 11:28 pm
Data File: Z:\VOADATA\GCMS-1\112205-1\V30837.D
Name: LI=360-10929 LB=GCMS#1112205 LM=8260B
Misc: RDU=ug/L DF=1 ANTIFOAMER
Method: F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title: METHOD 8260/524.2/624
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hexanal	8.22	12.8		403142	ISTD02	8.46	632271	20.0

V30837.D 100605-1.M Tue Dec 20 10:36:11 2005

TIC #163

LSC Area Percent Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30838.D Vial: 21
Acq On : 22 Nov 2005 11:53 pm Operator: XC
Sample : LI=360-10930 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : F:\HPCHEM\1\METHODS\100605-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 50

360-5900-6 #136
12/20/05
BW 12/20/05

Signal : TIC

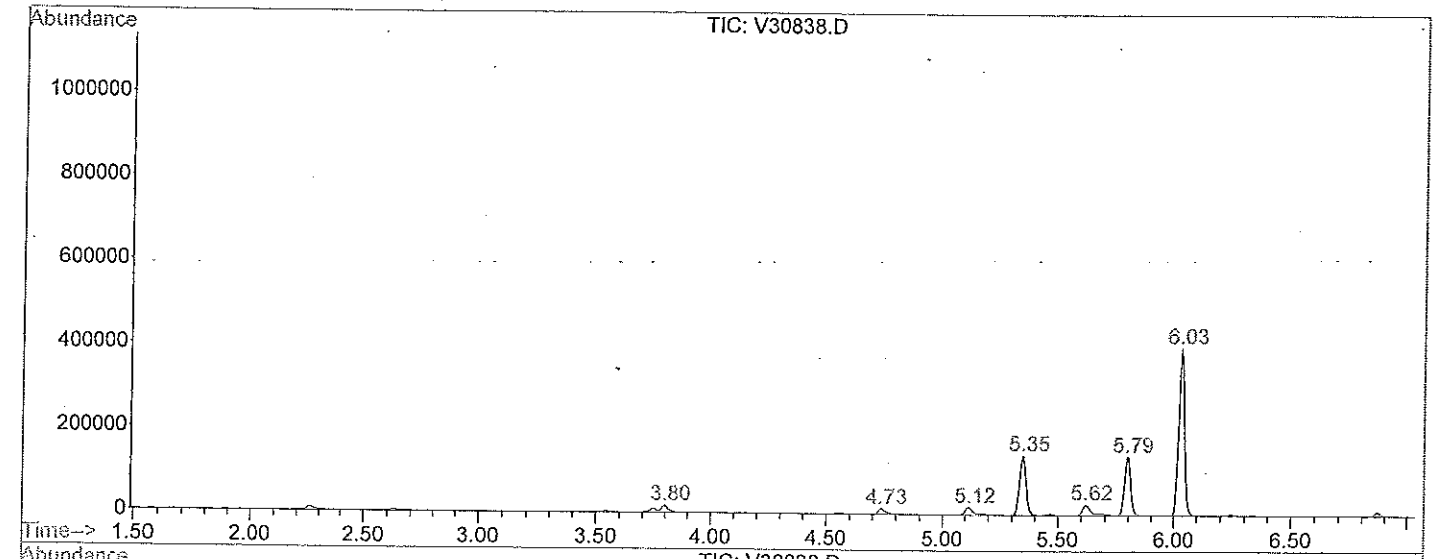
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.799	443	448	463	rVB	16825	34048	1.62%	0.359%
2	4.734	624	629	643	rBV3	13283	30234	1.44%	0.319%
3	5.117	694	703	710	rBV	17988	40219	1.91%	0.424%
4	5.349	738	748	764	rBV2	141966	278971	13.24%	2.943%
5	5.618	792	800	811	rBV	24823	54761	2.60%	0.578%
6	5.794	826	834	849	rVB	139160	258286	12.26%	2.725%
7	6.031	871	880	893	rBV	400217	707712	33.59%	7.466%
8	7.272	1112	1120	1136	rBV	502251	800067	37.98%	8.440%
9	7.442	1143	1153	1173	rBV	929158	1930238	91.62%	20.363%
10	8.222	1299	1304	1320	rVB	69957	111200	5.28%	1.173%
11	8.460	1342	1350	1369	rBV	431729	682681	32.41%	7.202%
12	9.272	1498	1507	1518	rBV	1134994	2106683	100.00%	22.225%
13	9.380	1518	1528	1544	rVB	326349	517641	24.57%	5.461%
14	10.253	1684	1697	1710	rBV	397374	611874	29.04%	6.455%
15	10.791	1789	1801	1814	rVB	587879	1226809	58.23%	12.942%
16	12.982	2211	2225	2238	rBV	29410	87630	4.16%	0.924%

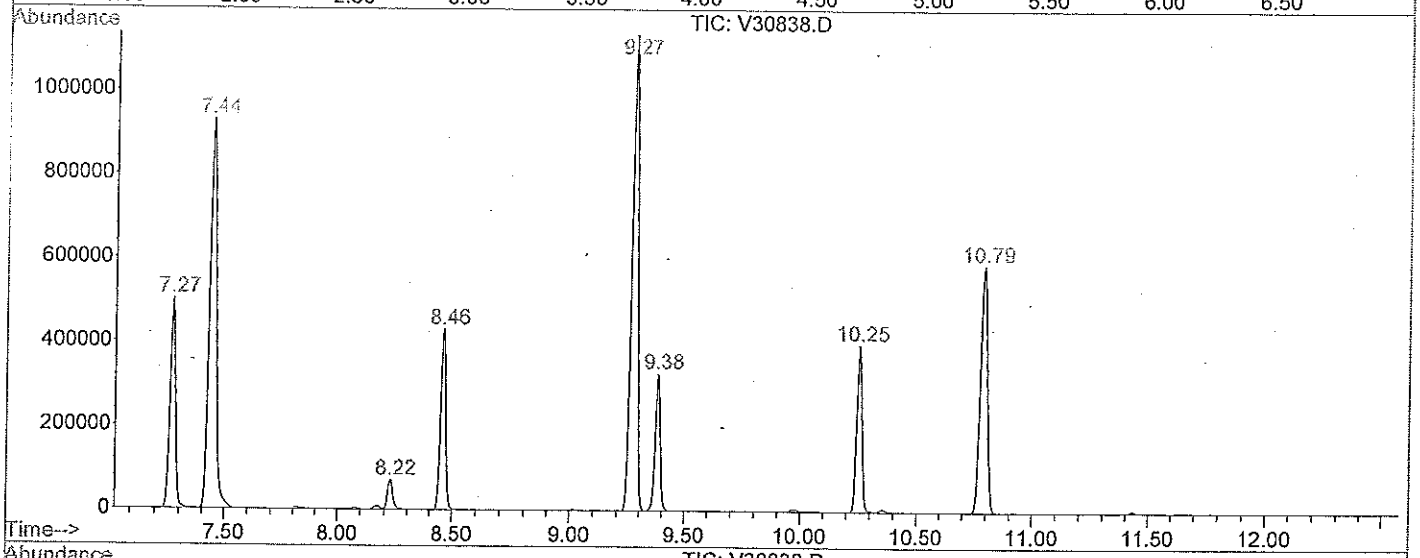
Sum of corrected areas: 9479054

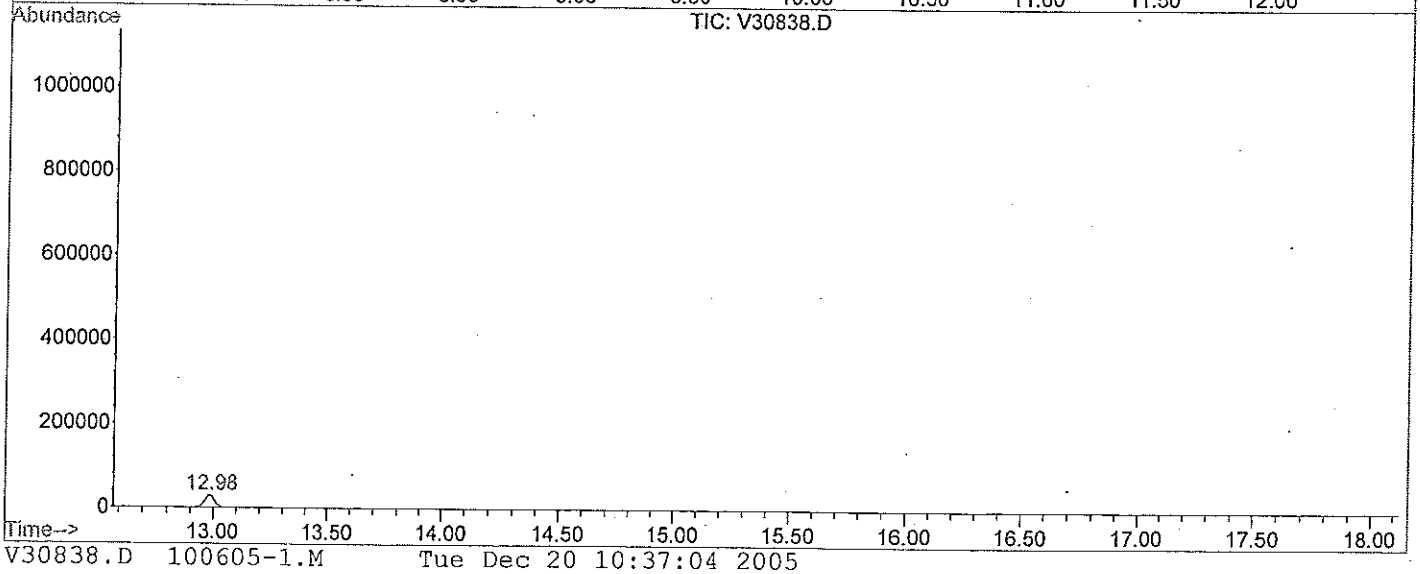
V30838.D 100605-1.M Tue Dec 20 10:37:04 2005

LSC Report - Integrated Chromatogram

File : Z:\VOADATA\GCMS-1\112205-1\V30838.D
Operator : XC
Acquired : 22 Nov 2005 11:53 pm using AcqMethod 122903-1
Instrument : GCMS#1
Sample Name: LI=360-10930 LB=GCMS#1112205 LM=8260B
Misc Info : RDU=ug/L DF=1 ANTIFOAMER
Vial Number: 21
Quant File :1014SL-1.RES (RTE Integrator)







V30838.D 100605-1.M Tue Dec 20 10:37:04 2005

Library Search Compound Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30838.D Vial: 21
Acq On : 22 Nov 2005 11:53 pm Operator: XC
Sample : LI=360-10930 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Library : C:\DATABASE\NIST98.L

#136

****

Peak Number 1 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	3.26	111200	CHLOROBENZENE-D5	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	94
2	Hexanal	100	C6H12O	000066-25-1	91
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	78
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	56

Tentatively Identified Compound (LSC) summary

Operator ID: XC Date Acquired: 22 Nov 2005 11:53 pm
Data File: Z:\VOADATA\GCMS-1\112205-1\V30838.D
Name: LI=360-10930 LB=GCMS#1112205 LM=8260B
Misc: RDU=ug/L DF=1 ANTIFOAMER
Method: F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title: METHOD 8260/524.2/624
Library Searched: C:\DATABASE\NIST98.L

TIC	Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
	Hexanal	8.22	3.3		111200	ISTD02	8.46	682681	20.0

V30838.D 100605-1.M Tue Dec 20 10:37:05 2005

TIC #136

LSC Area Percent Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30839.D
Acq On : 23 Nov 2005 12:18 am
Sample : LI=360-10931 LB=GCMS#1112205 LM=8260B
Misc : RDU=ug/L DF=1 ANTIFOAMER
MS Integration Params: LSCINT.P

Vial: 22
Operator: XC
Inst : GCMS#1
Multiplr: 1.00

Method : F:\HPCHEM\1\METHODS\100605-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Smoothing : ON
Sampling : 1
Start Thrs: 0.2
Stop Thrs : 0.2

Filtering: 5
Min Area: 3 % of largest Peak
Max Peaks: 100
Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 50

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.742	431	437	443	rBV2	7247	13960	1.11%	0.194%
2	3.799	443	448	464	rVB	11901	24166	1.92%	0.335%
3	4.734	622	629	639	rBV2	13847	28800	2.29%	0.399%
4	5.116	695	703	712	rBV	12905	30658	2.43%	0.425%
5	5.344	737	747	760	rBV	144186	281414	22.34%	3.901%
6	5.618	790	800	815	rBV	20409	48893	3.88%	0.678%
7	5.793	825	834	855	rVB	138721	263555	20.92%	3.653%
8	6.031	868	880	893	rBV	398705	709700	56.34%	9.838%
9	7.271	1110	1120	1136	rBV	486703	793759	63.01%	11.003%
10	7.442	1143	1153	1173	rBV	581301	1259747	100.00%	17.462%
11	8.222	1298	1304	1313	rVV	42577	67113	5.33%	0.930%
12	8.460	1342	1350	1363	rBV	427744	667123	52.96%	9.247%
13	9.271	1496	1507	1518	rBB	683063	1241017	98.51%	17.203%
14	9.380	1518	1528	1539	rBV	320448	493408	39.17%	6.839%
15	10.253	1689	1697	1710	rBV	373355	577123	45.81%	8.000%
16	10.791	1785	1801	1813	rVB	325684	671705	53.32%	9.311%
17	12.982	2213	2225	2239	rBV2	14668	42010	3.33%	0.582%

Sum of corrected areas: 7214151

V30839.D 100605-1.M Tue Dec 20 10:38:16 2005

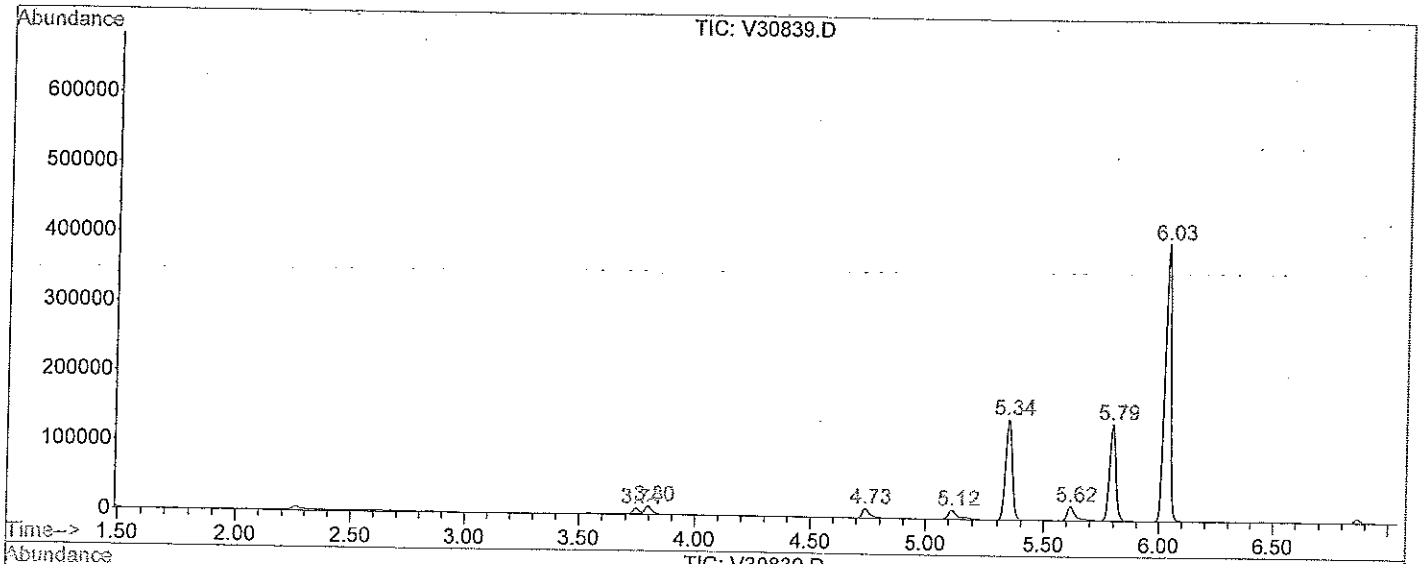
3/6-5/07 #193

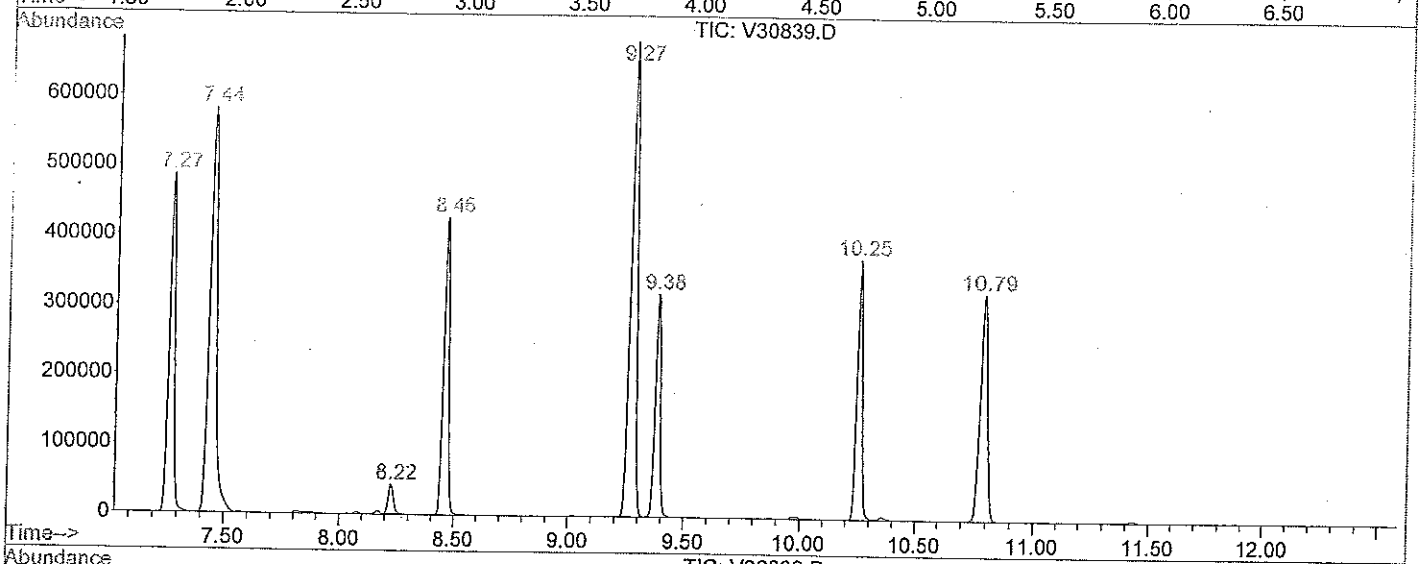
12/20/05

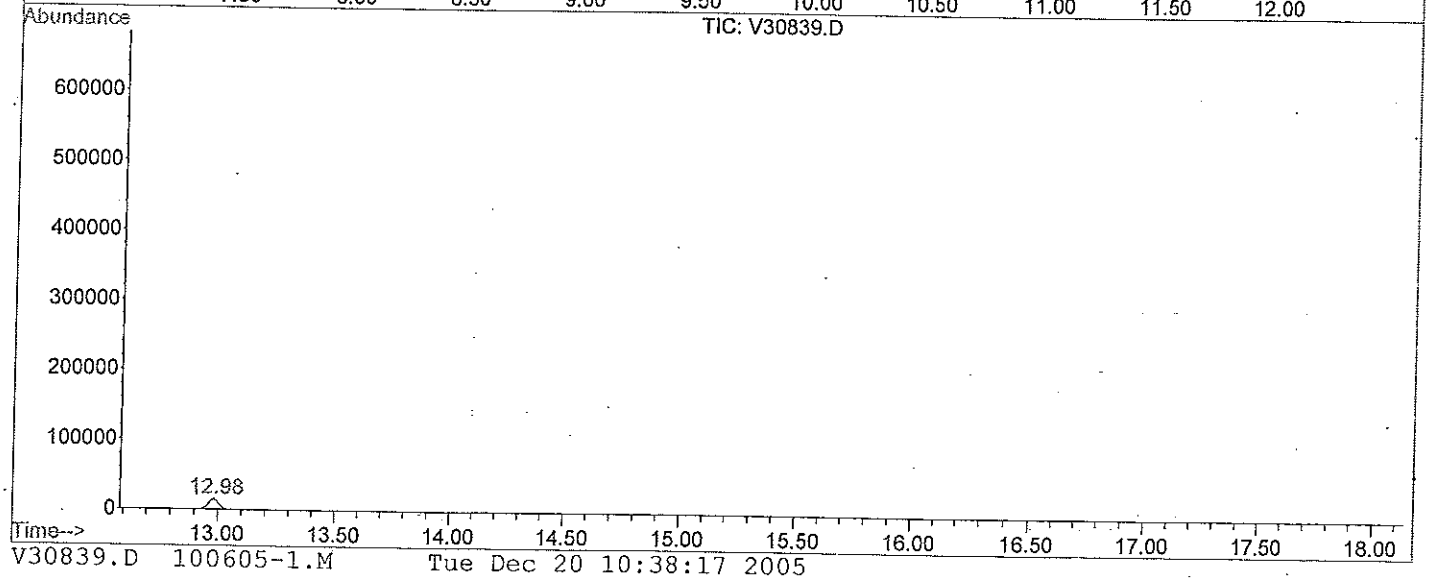
BN 12/20/05

LSC Report - Integrated Chromatogram

File : Z:\VOADATA\GCMS-1\112205-1\V30839.D
Operator : XC
Acquired : 23 Nov 2005 12:18 am using AcqMethod 122903-1
Instrument : GCMS#1
Sample Name: LI=360-10931 LB=GCMS#1112205 LM=8260B
Misc Info : RDU=ug/L DF=1 ANTIFOAMER
Vial Number: 22
Quant File :1014SL-1.RES (RTE Integrator)







V30839.D 100605-1.M Tue Dec 20 10:38:17 2005

Library Search Compound Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30839.D
Acq On : 23 Nov 2005 12:18 am
Sample : LI=360-10931 LB=GCMS#1112205 LM=8260B
Misc : RDU=ug/L DF=1 ANTIFOAMER
MS Integration Params: LSCINT.P

Vial: 22
Operator: XC
Inst : GCMS#1
Multiplr: 1.00

Quant Method : F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Library : C:\DATABASE\NIST98.L

#193

****

Peak Number 1 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	2.01	67113	CHLOROBENZENE-D5	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	83
4	Hexanal	100	C6H12O	000066-25-1	83
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	56

Tentatively Identified Compound (LSC) summary

Operator ID: XC Date Acquired: 23 Nov 2005 12:18 am
Data File: Z:\VOADATA\GCMS-1\112205-1\V30839.D
Name: LI=360-10931 LB=GCMS#1112205 LM=8260B
Misc: RDU=ug/L DF=1 ANTIFOAMER
Method: F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title: METHOD 8260/524.2/624
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hexanal	8.22	2.0		67113	ISTD02	8.46	667123	20.0

V30839.D 100605-1.M Tue Dec 20 10:38:17 2005

TIC #193

LSC Area Percent Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30840.D Vial: 23
Acq On : 23 Nov 2005 12:42 am Operator: XC
Sample : LI=360-10932 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

Method : F:\HPCHEM\1\METHODS\100605-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0.2 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 50

Signal : TIC

360-540-8
#142
12/20/05
BW 12/20/05

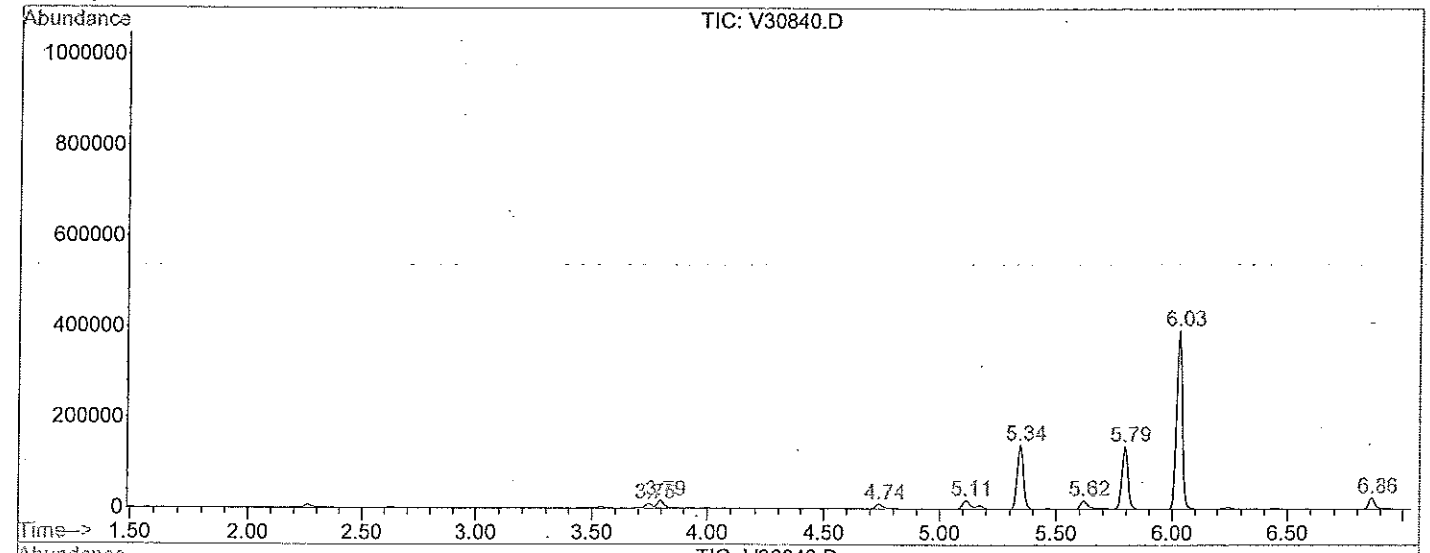
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.747	424	438	443	rBV2	10334	23173	1.20%	0.244%
2	3.793	443	447	460	rVB	16157	32731	1.70%	0.344%
3	4.739	622	630	644	rBV	10779	26142	1.35%	0.275%
4	5.111	694	702	710	rBV	18898	42541	2.20%	0.447%
5	5.343	738	747	763	rBV	140741	275369	14.27%	2.896%
6	5.617	793	800	809	rBV	18880	40838	2.12%	0.429%
7	5.793	826	834	846	rVB	137214	249201	12.91%	2.621%
8	6.031	870	880	895	rBV	393166	699703	36.26%	7.358%
9	6.863	1033	1041	1055	rBV	25025	46311	2.40%	0.487%
10	7.271	1110	1120	1140	rBV	480520	789157	40.89%	8.299%
11	7.442	1142	1153	1172	rBV	917471	1906977	98.81%	20.054%
12	8.222	1298	1304	1319	rVB	168535	258906	13.42%	2.723%
13	8.460	1342	1350	1365	rBV	435447	680765	35.27%	7.159%
14	9.271	1497	1507	1517	rBV	1047336	1929904	100.00%	20.295%
15	9.380	1518	1528	1539	rBV	336890	538948	27.93%	5.668%
16	9.974	1637	1643	1651	rBV6	10984	20226	1.05%	0.213%
17	10.253	1690	1697	1711	rVB	425037	633707	32.84%	6.664%
18	10.356	1711	1717	1734	rVB	10855	19545	1.01%	0.206%
19	10.790	1784	1801	1812	rBV	576054	1212230	62.81%	12.748%
20	12.982	2211	2225	2239	rBV2	27816	82777	4.29%	0.870%

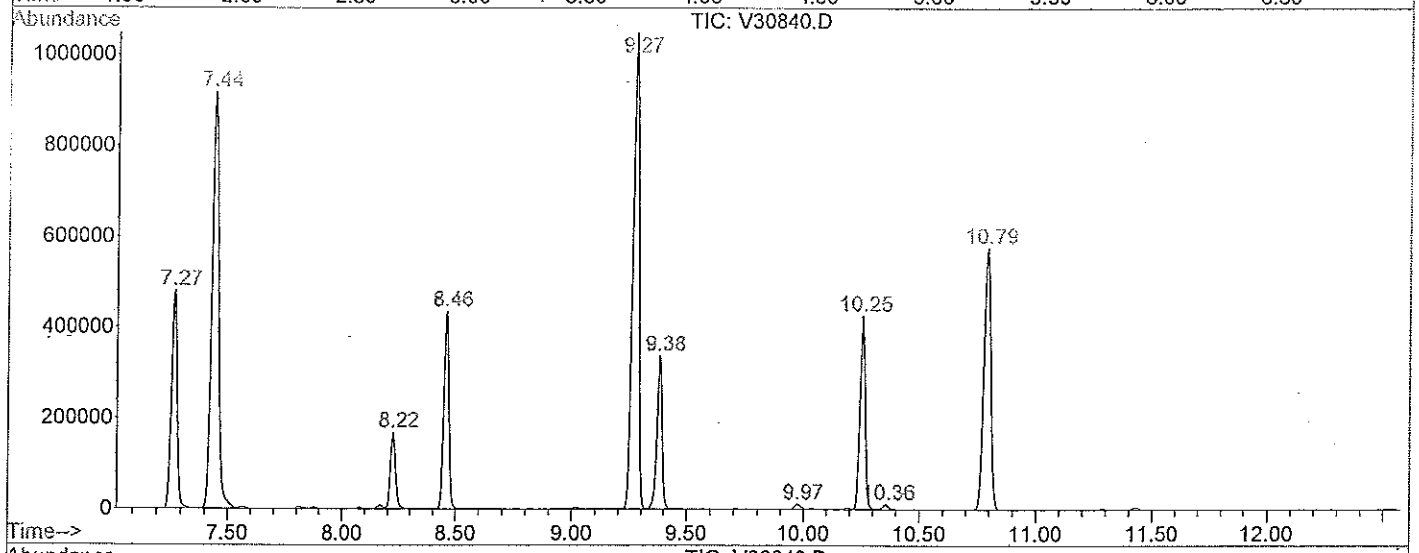
Sum of corrected areas: 9509151

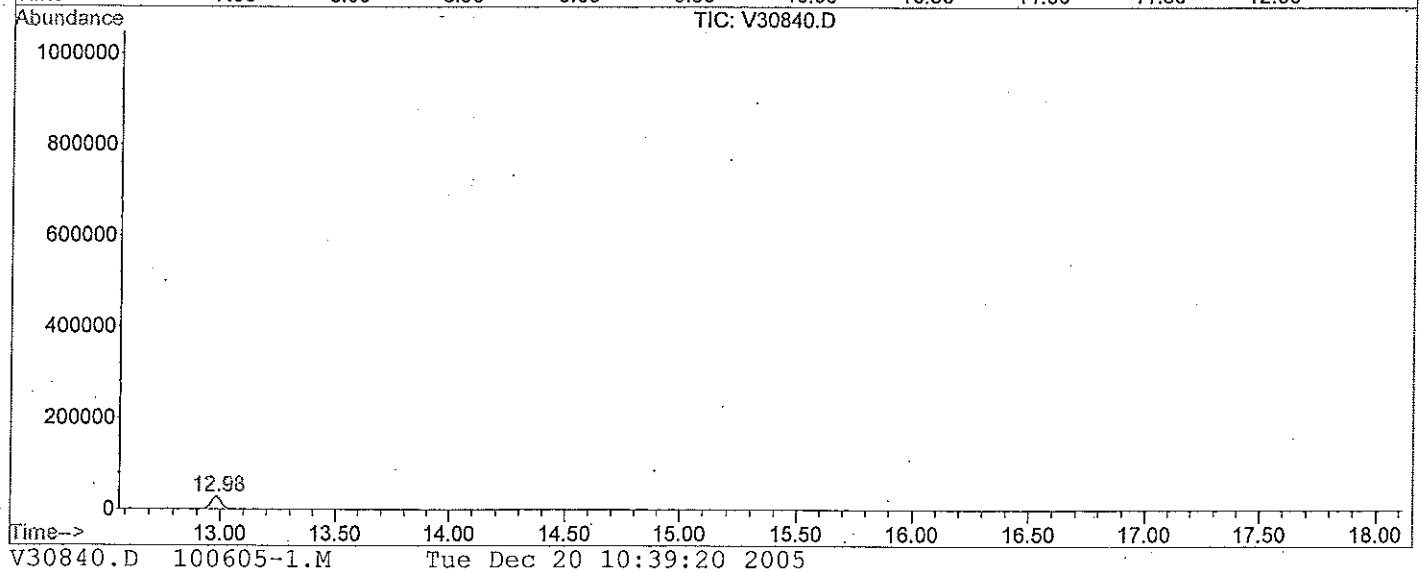
V30840.D 100605-1.M Tue Dec 20 10:39:20 2005

LSC Report - Integrated Chromatogram

File : Z:\VOADATA\GCMS-1\112205-1\V30840.D
Operator : XC
Acquired : 23 Nov 2005 12:42 am using AcqMethod 122903-1
Instrument : GCMS#1
Sample Name: LI=360-10932 LB=GCMS#1112205 LM=8260B
Misc Info : RDU=ug/L DF=1 ANTIFOAMER
Vial Number: 23
Quant File :1014SL-1.RES (RTE Integrator)







V30840.D 100605-1.M Tue Dec 20 10:39:20 2005

Library Search Compound Report

Data File : Z:\VOADATA\GCMS-1\112205-1\V30840.D Vial: 23
Acq On : 23 Nov 2005 12:42 am Operator: XC
Sample : LI=360-10932 LB=GCMS#1112205 LM=8260B Inst : GCMS#1
Misc : RDU=ug/L DF=1 ANTIFOAMER Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title : METHOD 8260/524.2/624
Library : C:\DATABASE\NIST98.L

#142

****

Peak Number 1 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	7.61	258906	CHLOROBENZENE-D5	8.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	90
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	40

Tentatively Identified Compound (LSC) summary

Operator ID: XC Date Acquired: 23 Nov 2005 12:42 am
Data File: Z:\VOADATA\GCMS-1\112205-1\V30840.D
Name: LI=360-10932 LB=GCMS#1112205 LM=8260B
Misc: RDU=ug/L DF=1 ANTIFOAMER
Method: F:\HPCHEM\1\METHODS\1014SL-1.M (RTE Integrator)
Title: METHOD 8260/524.2/624
Library Searched: C:\DATABASE\NIST98.L

TIC Top Hit name	RT	EstConc	Units	Area	IntStd	ISRT	ISArea	ISConc
Hexanal	8.22	7.6		258906	ISTD02	8.46	680765	20.0

V30840.D 100605-1.M Tue Dec 20 10:39:20 2005

TIC #142