Atmospheric Analysis & Consulting, Inc.

Client	: SWAPE
Client Project Name	: Bridgeton Sanitary Landfill Air Quality Assessment
Client Project No.	: NA
AAC Project No.	: 130725
Reporting Date	: 06/20/2013

On June 14, 2013, Atmospheric Analysis & Consulting, Inc. received four (4) DNPH impregnated silica gel cartridges for Carbonyls analysis by EPA Method TO-11A. Upon receipt the samples were assigned unique Laboratory ID numbers as follows:

Client Sample ID	AAC Sample ID
D-1 IN DNPH	130725-63627
D-2 CM DNPH	130725-63628
D-3 W5 DNPH	130725-63629
U-1 W7 DNPH	130725-63630

TO-11A - HPLC/UV analysis - A 10µL aliquot of the extract was analyzed by HPLC/UV following the analytical protocols of EPA Method TO-11A as specified in the SOW. Holding times for preparation and analysis were complied with.

Upon receipt there were two unlabelled samples so we assigned client sample ID D-3 W5 DNPH as AAC# 130725-63629 and client sample ID U-1 W7 DNPH as AAC# 130725-63630.

Client Sample ID U-1 W7 (AAC Sample ID 130725-63630) was wet upon arrival and there were several large humps in the sample that interfered with integration of several of the analytes. The data from this sample should be regarded as suspect.

No other problems were encountered during the receipt, preparation, and/or analysis of these samples. The test results included in this report meet all requirements of the NELAC Standards and/or AAC SOP# TO.11.09.

I certify that this data is technically accurate, complete and in compliance with the terms and conditions of the contract. The Laboratory Director or his designee, as verified by the following signature, has authorized release of the data contained in this hardcopy data package.

If you have any questions or require further explanation of data results, please contact the undersigned.

Marcus Hueppe
Laboratory Director

This report consists of 87 pages.

ACCREDITED IN ACCORDANCE WITH nelac Certificate #E87837

1534 Eastman Ave., Ste. A • Ventura, • CA 93003 www.aaclab.com • (805) 650-1642 • FAX (805) 650-1644

AAC#130725

CHAIN OF CUSTODY RECORD / ANALYTICAL REQUEST FORM

Bridgeton Sanitary Landfill Air Quality Assessment

Client Name: SOIL / WATER AIR PROTECTION ENTERPRISE	Telephone No. / Fax No.: (310) 434-0110 / (310) 434-0011	Date: 13-Jun 2013 — Page 1 of 1
Project Manager: PAUL ROSENFELD, PH.D.		
Address: 1640 FIFTH STREET, SUITE 204, SANTA MONICA, CA 90401		
Project Name and Location: BRIDGETON SANITARY LANDFILL AIR QUALITY ASSESSMENT		
Sampled By: John Blank	Sampler Signature:	

LAB ID	SAMPLE ID NUMBER		Type	Date	Time	VOCS - EPA TO-15	Reduced Sulfur Compounds - ASTM D5504	Carbonyls - EPA TO-11A	Carboxylic Acids - Tube GC-MS	HCL - NIOSH 7903	Ammonia - OSHA ID-188	SO2 - OSHA ID-200	HCN - NIOSH 6010	Amines - NIOSH 2010M	Fixed Gases - EPA 3C	PAHs / Dioxins EPA TO-13A / 9A	Mercury - NIOSH 6009	Odor Evaluation	Special Instructions / Conditions of Receipt
63627	D-1 IN	DNPH	Tube	13-Jun	4 Hr			X											Tube # 4440601450 252.48 L
63628	D-2 CM	DNPH	Tube	13-Jun	4 Hr			X											Tube # 4440601452 252.48 L
63629	D-3 W5	DNPH	Tube	13-Jun	4 Hr			X											Tube # 4440601453 249.96 L
63630	U-1 W7	DNPH	Tube	13-Jun	4 Hr			X											Tube # 4440601277 251.04 L

REQUESTED TESTS / ANALYSES

Requested Turnaround Time: Standard turn-around for all analyses. If possible deliver report within 2 weeks.		QC Requirements: Provide Level IV QC Package for all Analyses.	
Relinquished By: John Blank	Date: June 13th — 12 Noon	Received By:	Date: — Time:
Relinquished By:	Date: — Time:	Received By:	Date: — Time:
Relinquished By:	Date: — Time:	Received By:	Date: 6/14/13 — Time: 0945

SAMPLES RECEIVED @ 6.0°C

AIR SAMPLING PUMP CALIBRATION LOG

Bridgeton Sanitary Landfill Air Quality Assessment

COMPLETED BY: John Blank **PERSONNEL:** John Blank

DATE: June 13th, 2013

PAGE: 1 of 1

CALIBRATION INSTRUMENT : ***Biose Defender510*** ***Serial #131756***

INITIAL PUMP SETUP (PRE-SAMPLING FLOW CHECK)

Sample ID	Analyte	SKC Tube ID	Air Pump Serial No.	START		END		
				Flow Rate	Start Time	Flow Rate	Stop Time	Total Volume
e.g. acetaldehyde	e.g. acetaldehyde	e.g. 226-120	e.g. 123456	(L/min)	(24 Hour)	(L/min)	(24 Hour)	Liters
D-1 IN	Aldehydes	226-120	59912	1.043	9:05:00	1.061	13:05:00	252.48
D-2 CM	Aldehydes	226-120	67835	1.036	9:15:00	1.068	13:15:00	252.48
D-3 W5	Aldehydes	226-120	67385	1.05	9:30:00	1.033	13:30:00	249.96
U-1 W7	Aldehydes	226-120	71526	1.045	9:50:00	1.047	13:50:00	251.04
								0
								0
								0
								0

NOTES / LOCATION REFERENCES

TUBES:

ANALYTE	SKC TUBE ID
Aldehydes	226-120
Amines	226-10
Ammonia	226-29
Carboxylic Acids	226-55

ANALYTE	SKC TUBE ID
Hydrogen Chloride	226-10-03
Hydrogen Cyanide	226-28
Mercury (elemental)	226-17-1A
Sulfur Dioxide	226-80

Results

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT
Analysis of Carbonyls by EPA Method TO-11A

Client : SWAPE
Client Project Name : Bridgetown Sanitary Landfill Air Quality Assessment
AAC Project No. : 130725
Analyst : HP/EG
Units : ug/sample

Sampling Date (s) : 06/13/2013
Receiving Date : 06/14/2013
Analysis Date : 06/18/2013
Reporting Date : 06/20/2013

Client ID	AAC Sample ID	Formaldehyde	Acetaldehyde	Acrolein	Acetone	Propionaldehyde	Crotonaldehyde	Methacrolein	MEK & Butyraldehyde	Benzaldehyde	Valeraldehyde	m-Tolualdehyde	Hexaldehyde
D-1 IN DNPH	130725-63627	0.081	0.138	<SRL	0.536	<SRL	<SRL	<SRL	0.131	<SRL	<SRL	<SRL	<SRL
SRL		0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
D-2 CM DNPH	130725-63628	0.320	0.217	<SRL	0.279	<SRL	0.101	<SRL	0.115	<SRL	0.098	<SRL	<SRL
SRL		0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
D-3 W5 DNPH	130725-63629	0.195	0.161	<SRL	0.262	0.197	0.305	<SRL	0.196	<SRL	<SRL	<SRL	0.090
SRL		0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075
U-1 W7 DNPH	130725-63630	0.090	0.153	<SRL	0.524	0.157	<SRL	0.141	0.214	<SRL	<SRL	<SRL	0.130
SRL		0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075	0.075

<SRL-compound was analyzed for but not detected at or above the SRL (Sample Reporting Limit)

Marcus Hueppe
Laboratory Director

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Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT
Analysis of Carbonyls by EPA Method TO-11A

Client : SWAPE
Client Project Name : Bridgetown Sanitary Landfill Air Quality Assessment
AAC Project No. : 130725
Analyst : HP/EG
Units : ppbv

Sampling Date (s) : 06/13/2013
Receiving Date : 06/14/2013
Analysis Date : 06/18/2013
Reporting Date : 06/20/2013

Client ID	AAC Sample ID	Formaldehyde	Acetaldehyde	Acrolein	Acetone	Propionaldehyde	Crotonaldehyde	Methacrolein	MEK & Butyraldehyde	Benzaldehyde	Valeraldehyde	m-Tolualdehyde	Hexaldehyde
D-1 IN DNPH	130725-63627	0.260	0.303	<SRL	0.893	<SRL	<SRL	<SRL	0.176	<SRL	<SRL	<SRL	<SRL
SRL		0.242	0.165	0.130	0.125	0.125	0.104	0.104	0.101	0.068	0.084	0.060	0.073
D-2 CM DNPH	130725-63628	1.03	0.476	<SRL	0.465	<SRL	0.139	<SRL	0.155	<SRL	0.110	<SRL	<SRL
SRL		0.242	0.165	0.130	0.125	0.125	0.104	0.104	0.101	0.068	0.084	0.060	0.073
D-3 W5 DNPH	130725-63629	0.635	0.356	<SRL	0.442	0.332	0.425	<SRL	0.266	<SRL	<SRL	<SRL	0.088
SRL		0.244	0.167	0.131	0.126	0.126	0.105	0.105	0.102	0.069	0.085	0.061	0.073
U-1 W7 DNPH	130725-63630	0.293	0.339	<SRL	0.878	0.263	<SRL	0.196	0.288	<SRL	<SRL	<SRL	0.126
SRL		0.243	0.166	0.130	0.126	0.126	0.104	0.104	0.101	0.069	0.085	0.061	0.073

<SRL-compound was analyzed for but not detected at or above the SRL (Sample Reporting Limit)

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Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT
Analysis of Carbonyls by EPA Method TO-11A

Client : SWAPE
Client Project Name : Bridgetown Sanitary Landfill Air Quality Assessment
AAC Project No. : 130725
Analyst : HP/EG
Units : ug/m^3

Sampling Date (s) : 06/13/2013
Receiving Date : 06/14/2013
Analysis Date : 06/18/2013
Reporting Date : 06/20/2013

Client ID	AAC Sample ID	Formaldehyde	Acetaldehyde	Acrolein	Acetone	Propionaldehyde	Crotonaldehyde	Methacrolein	MEK & Butyraldehyde	Benzaldehyde	Valeraldehyde	m-Tolualdehyde	Hexaldehyde
D-1 IN DNPH	130725-63627	0.320	0.545	<SRL	2.12	<SRL	<SRL	<SRL	0.518	<SRL	<SRL	<SRL	<SRL
SRL		0.297	0.297	0.297	0.297	0.297	0.297	0.297	0.297	0.297	0.297	0.297	0.297
D-2 CM DNPH	130725-63628	1.27	0.858	<SRL	1.10	<SRL	0.398	<SRL	0.456	<SRL	0.387	<SRL	<SRL
SRL		0.297	0.297	0.297	0.297	0.297	0.297	0.297	0.297	0.297	0.297	0.297	0.297
D-3 W5 DNPH	130725-63629	0.780	0.642	<SRL	1.05	0.789	1.22	<SRL	0.785	<SRL	<SRL	<SRL	0.360
SRL		0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
U-1 W7 DNPH	130725-63630	0.360	0.611	<SRL	2.09	0.624	<SRL	0.562	0.851	<SRL	<SRL	<SRL	0.517
SRL		0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299	0.299

<SRL-compound was analyzed for but not detected at or above the SRL (Sample Reporting Limit)

Marcus Hueppe
Laboratory Director

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QA/QC Summary

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report

TO-11A

HPLC Calibration Verification of the 06/11/2013 Calibration

Analysis Date : 06/18/2013
Analyst : HP/EG

Instrument ID : HPLC 01

Opening CCV

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.69	2.70	2.70	2.69	2.70	2.69	2.70	5.40	2.70	2.68	2.65	2.71
Accuracy (%)*	108	108	108	108	108	108	108	108	108	107	106	108

Continuing CCV

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.49	2.49	2.49	2.48	2.48	2.48	2.48	4.98	2.47	2.47	2.45	2.48
Accuracy (%)*	99.6	99.6	99.6	99.2	99.2	99.2	99.2	99.6	98.8	98.8	98.0	99.2

Continuing CCV

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.70	2.71	2.71	2.72	2.70	2.70	2.72	5.42	2.70	2.70	2.68	2.70
Accuracy (%)*	108	108	108	109	108	108	109	108	108	108	107	108

Continuing CCV

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.58	2.61	2.61	2.62	2.61	2.60	2.61	5.21	2.61	2.61	2.58	2.59
Accuracy (%)*	103	104	104	105	104	104	104	104	104	104	103	104

Continuing CCV

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.46	2.47	2.48	2.47	2.47	2.47	2.48	4.95	2.47	2.47	2.45	2.46
Accuracy (%)*	98.4	98.8	99.2	98.8	98.8	98.8	99.2	99.0	98.8	98.8	98.0	98.4

*Must be 100 ± 10%

Marcus Hueppe
Laboratory Director

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report

TO-11A

HPLC Calibration Verification of the 06/11/2013 Calibration

Analysis Date : 06/18/2013
Analyst : HP/EG

Instrument ID : HPLC 01

Continuing CCV

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.63	2.66	2.68	2.66	2.66	2.68	2.67	5.34	2.67	2.67	2.65	2.65
Accuracy (%)*	105	106	107	106	106	107	107	107	107	107	106	106

Continuing CCV

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.60	2.62	2.63	2.60	2.60	2.62	2.61	5.24	2.61	2.60	2.60	2.59
Accuracy (%)*	104	105	105	104	104	105	104	105	104	104	104	104

Continuing CCV

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.67	2.69	2.71	2.70	2.70	2.71	2.71	5.40	2.69	2.69	2.68	2.70
Accuracy (%)*	107	108	108	108	108	108	108	108	108	108	107	108

Continuing CCV

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.67	2.68	2.69	2.66	2.68	2.68	2.66	5.33	2.60	2.66	2.64	2.65
Accuracy (%)*	107	107	108	106	107	107	106	107	104	106	106	106

Closing CCV

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.57	2.59	2.60	2.58	2.57	2.58	2.58	5.19	2.57	2.56	2.55	2.56
Accuracy (%)*	103	104	104	103	103	103	103	104	103	102	102	102

Second Source

Standard Concentration (ug/mL)	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
2.50	2.52	2.53	2.54	2.54	2.53	2.53	2.53	5.08	2.51	2.52	2.51	2.54
Accuracy (%)*	101	101	102	102	101	101	101	102	100	101	100	102

*Must be 100 ± 10%

Marcus Hueppe
Laboratory Director

Quality Control/Quality Assurance Report

TO-11A

Laboratory Control Spike Analysis

Analysis Date : 06/18/2013 Analyst : HP/EG Instrument ID : HPLC 01

Analytes	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
Laboratory Control Spike 1												
Sample Concentration (ug/mL)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Spike Concentration (ug/mL)	0.379	0.379	0.379	0.379	0.379	0.379	0.379	0.758	0.379	0.379	0.379	0.379
Spiked Sample Concentration (ug/mL)	0.387	0.388	0.403	0.391	0.400	0.329	0.409	0.713	0.384	0.394	0.389	0.404
Spike Recovery (%)*	102	102	106	103	106	86.8	108	94.1	101	104	103	107
Laboratory Control Spike 2												
Sample Concentration (ug/mL)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Spike Concentration (ug/mL)	0.379	0.379	0.379	0.379	0.379	0.379	0.379	0.758	0.379	0.379	0.379	0.379
Spiked Sample Concentration (ug/mL)	0.376	0.382	0.391	0.375	0.387	0.358	0.431	0.714	0.381	0.388	0.392	0.387
Spike Recovery (%)*	99.3	101	103	99.0	102	94.6	114	94.3	101	102	104	102
Laboratory Control Spike 3												
Sample Concentration (ug/mL)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Spike Concentration (ug/mL)	0.379	0.379	0.379	0.379	0.379	0.379	0.379	0.758	0.379	0.379	0.379	0.379
Spiked Sample Concentration (ug/mL)	0.373	0.376	0.389	0.375	0.374	0.373	0.423	0.710	0.374	0.376	0.376	0.375
Spike Recovery (%)*	98.3	99.2	103	99.0	98.7	98.3	112	93.7	98.7	99.3	99.3	98.9

*Must be 100 ± 15%

Marcus Hueppe
Laboratory Director

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
TO-11A
Matrix Spike Analysis

Analysis Date : 06/18/2013 Analyst : HP/EG Instrument ID : HPLC 01

Analytes	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
Sample ID	130718-63544											
Sample Concentration (ug/mL)	0.004	0.005	0.000	0.081	0.002	0.010	0.000	0.010	0.015	0.011	0.013	0.007
Spike Concentration (ug/mL)	1.25	1.25	1.25	1.25	1.25	1.25	1.25	2.50	1.25	1.25	1.25	1.25
Spiked Sample Concentration (ug/mL)	1.28	1.27	1.31	1.38	1.28	1.30	1.41	2.48	1.29	1.30	1.30	1.28
Duplicate Spiked Sample Concentration (ug/mL)	1.27	1.27	1.30	1.37	1.28	1.30	1.41	2.48	1.29	1.29	1.29	1.28
Spike Recovery (%)*	102	101	105	104	102	103	113	98.8	102	103	103	102
Dulicate Spike Recovery (%)*	101	101	104	103	102	103	113	98.8	102	102	102	102
RPD**	0.8	0.0	0.8	0.7	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.0
Sample ID	130718-63557											
Sample Concentration (ug/mL)	0.153	0.071	0.002	0.342	0.012	0.053	0.006	0.026	0.021	0.013	0.012	0.008
Spike Concentration (ug/mL)	1.25	1.25	1.25	1.25	1.25	1.25	1.25	2.50	1.25	1.25	1.25	1.25
Spiked Sample Concentration (ug/mL)	1.43	1.34	1.31	1.61	1.30	1.36	1.45	2.40	1.31	1.31	1.31	1.30
Duplicate Spiked Sample Concentration (ug/mL)	1.44	1.35	1.32	1.62	1.31	1.38	1.46	2.43	1.32	1.31	1.32	1.30
Spike Recovery (%)*	102	102	105	101	103	105	116	95.0	103	104	104	103
Dulicate Spike Recovery (%)*	103	102	105	102	104	106	116	96.2	104	104	105	103
RPD**	0.7	0.7	0.8	0.6	0.8	1.5	0.7	1.2	0.8	0.0	0.8	0.0
Sample ID	130719-63575											
Sample Concentration (ug/mL)	0.160	0.098	0.003	0.393	0.013	0.020	0.009	0.041	0.027	0.010	0.012	0.011
Spike Concentration (ug/mL)	1.25	1.25	1.25	1.25	1.25	1.25	1.25	2.50	1.25	1.25	1.25	1.25
Spiked Sample Concentration (ug/mL)	1.44	1.37	1.32	1.68	1.30	1.33	1.46	2.44	1.32	1.33	1.29	1.30
Duplicate Spiked Sample Concentration (ug/mL)	1.46	1.39	1.34	1.71	1.32	1.35	1.49	2.48	1.34	1.37	1.35	1.32
Spike Recovery (%)*	102	102	105	103	103	105	116	96.0	103	106	102	103
Dulicate Spike Recovery (%)*	104	103	107	105	105	106	118	97.6	105	109	107	105
RPD**	1.4	1.4	1.5	1.8	1.5	1.5	2.0	1.6	1.5	3.0	4.5	1.5

*Must be 100± 25%
** Must be ≤ 25%

Marcus Hueppe
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Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report

TO-11A

Duplicate Analysis

Analysis Date : 06/18/2013
Analyst : HP/EG

Instrument ID : HPLC 01

Analyte	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
Sample ID	130718-63544											
Sample Concentration (ug/mL)	<RL	<RL	ND	0.162	<RL	<RL	ND	<RL	0.030	<RL	<RL	<RL
Duplicate Sample Concentration (ug/mL)	<RL	<RL	ND	0.165	<RL	<RL	ND	<RL	0.029	<RL	<RL	<RL
RPD**	NA	NA	NA	1.7	NA	NA	NA	NA	3.4	NA	NA	NA
Sample ID	130718-63559											
Sample Concentration (ug/mL)	<RL	<RL	ND	0.256	<RL	<RL	ND	<RL	0.029	<RL	<RL	<RL
Duplicate Sample Concentration (ug/mL)	<RL	<RL	ND	0.254	<RL	<RL	ND	<RL	0.028	<RL	<RL	<RL
RPD**	NA	NA	NA	0.7	NA	NA	NA	NA	6.3	NA	NA	NA
Sample ID	130718-63548											
Sample Concentration (ug/mL)	0.298	0.137	<RL	0.822	<RL	0.161	<RL	0.053	<RL	<RL	<RL	<RL
Duplicate Sample Concentration (ug/mL)	0.298	0.137	<RL	0.824	<RL	0.153	<RL	0.059	<RL	<RL	<RL	<RL
RPD**	0.1	0.1	NA	0.3	NA	5.0	NA	11.2	NA	NA	NA	NA
Sample ID	130718-63557											
Sample Concentration (ug/mL)	0.306	0.143	<RL	0.685	<RL	0.105	<RL	0.052	0.042	0.026	<RL	<RL
Duplicate Sample Concentration (ug/mL)	0.302	0.141	<RL	0.672	<RL	0.100	<RL	0.056	0.041	0.026	<RL	<RL
RPD**	1.4	1.0	NA	1.9	NA	5.1	NA	7.0	4.6	0.8	NA	NA
Sample ID	130719-63564											
Sample Concentration (ug/mL)	<RL	<RL	NP	0.125	<RL	<RL	NP	<RL	0.037	<RL	0.031	<RL
Duplicate Sample Concentration (ug/mL)	<RL	<RL	ND	0.129	<RL	<RL	ND	<RL	0.034	<RL	0.030	<RL
RPD**	NA	NA	NA	2.9	NA	NA	NA	NA	7.4	NA	4.2	NA
Sample ID	130719-63566											
Sample Concentration (ug/mL)	0.498	0.525	<RL	1.44	0.077	0.044	0.031	0.271	0.058	0.058	0.258	0.045
Duplicate Sample Concentration (ug/mL)	0.495	0.522	<RL	1.44	0.078	0.041	0.031	0.284	0.061	0.058	0.255	0.045
RPD**	0.7	0.6	NA	0.1	0.1	5.4	1.6	4.7	5.9	1.2	1.1	0.9
Sample ID	130719-63575											
Sample Concentration (ug/mL)	0.319	0.196	<RL	0.786	0.026	0.041	<RL	0.082	0.055	<RL	<RL	<RL
Duplicate Sample Concentration (ug/mL)	0.316	0.193	<RL	0.786	0.026	0.038	<RL	0.090	0.054	<RL	<RL	<RL
RPD**	1.2	1.1	NA	0.1	0.4	6.1	NA	8.4	1.3	NA	NA	NA
Sample ID	130719-63578											
Sample Concentration (ug/mL)	0.288	0.132	<RL	0.569	<RL	<RL	<RL	0.061	0.050	<RL	<RL	<RL
Duplicate Sample Concentration (ug/mL)	0.288	0.132	<RL	0.575	<RL	<RL	<RL	0.066	0.049	<RL	<RL	<RL
RPD**	0.0	0.5	NA	0.9	NA	NA	NA	7.8	2.6	NA	NA	NA

** Must be ≤ 20%
<RL=less than the Reporting Limit
ND = Not Detected
NA=Not Applicable

Marcus Hueppe
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Quality Control/Quality Assurance Report
TO-11A
System and Method Blank Analysis

Analysis Date : 06/18/2013
Analyst : HP/EG

Instrument ID : HPLC 01

Analyte	*Formaldehyde (ug/mL)*	*Acetaldehyde (ug/mL)*	*Acrolein (ug/mL)*	*Acetone (ug/mL)*	*Propionaldehyde (ug/mL)*	*Crotonaldehyde (ug/mL)*	*Methacrolein (ug/mL)*	*MEK & Butyraldehyde (ug/mL)*	*Benzaldehyde (ug/mL)*	*Valeraldehyde (ug/mL)*	*m-Tolualdehyde (ug/mL)*	*Hexaldehyde (ug/mL)*
Opening Acetonitrile Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Method Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Continuing Acetonitrile Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Continuing Acetonitrile Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Continuing Acetonitrile Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Method Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Continuing Acetonitrile Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Continuing Acetonitrile Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Continuing Acetonitrile Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Method Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Continuing Acetonitrile Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Continuing Acetonitrile Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Closing Acetonitrile Blank	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL
Reporting Limit	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025

RL= Reporting Limit
<RL=less than the Reporting Limit

Marcus Hueppe
Laboratory Director

Calibration Summary

File Name:	C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Version:	6
Creator:	EG/HP
Description:	EPA TO-11

External standard calibration
No injection volume correction
No sample weight correction

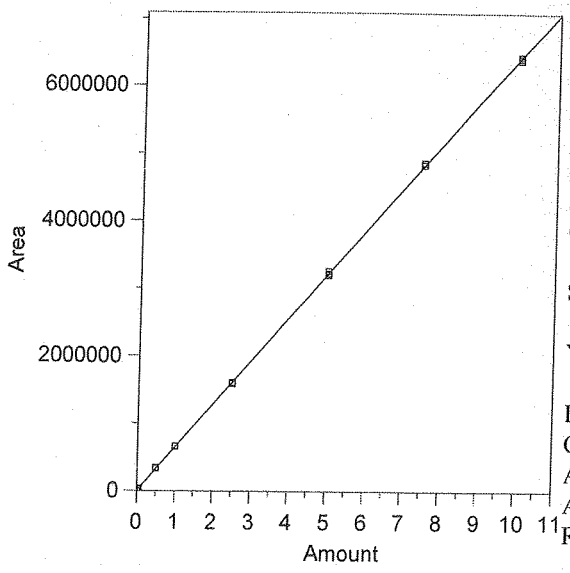
Area reject threshold:	1000
Reference peak area reject threshold:	1000
Amount units:	ug/ml

No default component

Method of calculating data point averages: Equal weight for all updates
No calibration update report

All levels are normal data points.

1 Formaldehyde



Expected retention time: 2.691 minutes
Search window: 0.1 minutes
No retention time reference component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

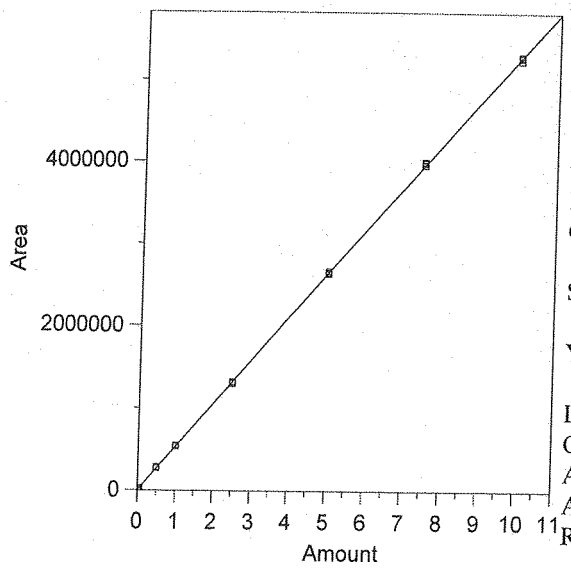
Single peak quantification by area

$Y = 643471.9 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999344
Average error: 1.932%
Average CF: 653816.2
RSD: 2.187%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	3408.358	681671.6	5.937	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	3325.732	665146.4	3.368	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	3366.37	673274.1	4.631	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	16194.19	647767.6	0.668	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	16179.21	647168.4	0.574	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	16232.13	649285.2	0.903	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	33956.52	679130.4	5.542	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	33691.46	673829.2	4.718	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	33082.47	661649.4	2.825	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	342894.1	685788.2	6.576	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	326442.5	652885	1.463	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	328901	657802	2.227	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	659323.3	659323.3	2.463	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	652994.7	652994.7	1.480	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	653589.6	653589.6	1.572	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	1593441	637376.4	-0.947	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	1584858	633943.2	-1.481	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	1606654	642661.6	-0.126	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	3196329	639265.8	-0.654	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	3251038	650207.6	1.047	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	3213737	642747.4	-0.113	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	4829078	643877.1	0.063	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	4862793	648372.4	0.762	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	4865866	648782.1	0.825	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	6411879	641187.9	-0.355	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	6443770	644377	0.141	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	6389328	638932.8	-0.705	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

2 Acetaldehyde



Expected retention time: 3.293 minutes
Search window: 0.3 minutes
No retention time reference component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

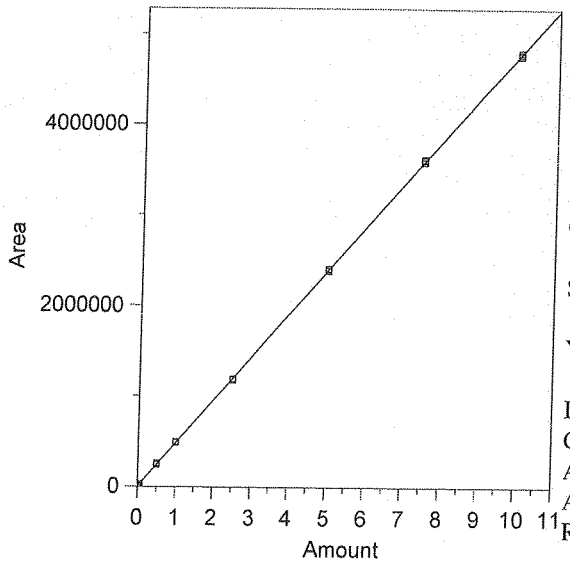
Single peak quantification by area

$Y = 528411.2 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999362
Average error: 1.513%
Average CF: 534461.4
RSD: 1.856%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	2781.029	556205.8	5.260	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	2639.74	527948	-0.088	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	2713.861	542772.3	2.718	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	13324.46	532978.4	0.864	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	13196.94	527877.6	-0.101	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	13319.8	532792	0.829	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	27360.74	547214.8	3.559	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	27153.9	543078	2.776	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	26813.58	536271.6	1.488	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	281357.4	562714.8	6.492	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	269068.5	538137	1.841	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	269886.8	539773.6	2.150	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	541849.3	541849.3	2.543	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	535548.3	535548.3	1.351	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	536037.3	536037.3	1.443	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	1304421	521768.4	-1.257	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	1298271	519308.4	-1.723	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	1316882	526752.8	-0.314	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	2629002	525800.4	-0.494	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	2663350	532670	0.806	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	2644688	528937.6	0.100	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	3962025	528270	-0.027	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	3985977	531463.6	0.578	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	4000077	533343.6	0.933	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	5275343	527534.3	-0.166	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	5292054	529205.4	0.150	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	5242042	524204.2	-0.796	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

3 Acrolein



Expected retention time:	3.986 minutes
Search window:	0.2 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

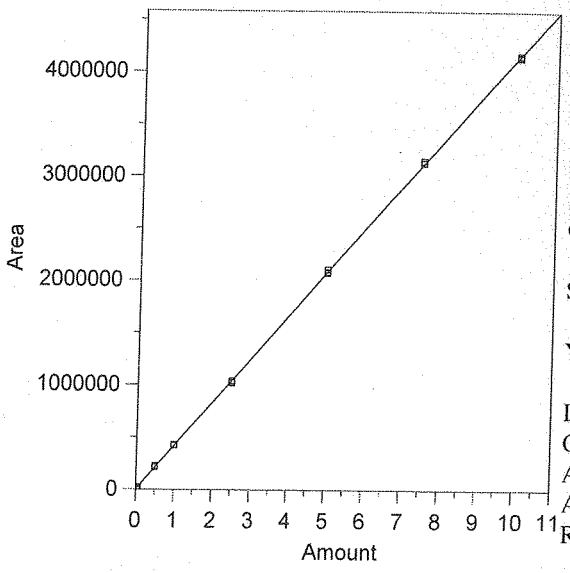
$Y = 479129.3 X + 0$

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999534
Average error:	1.520%
Average CF:	483677.6
RSD:	1.887%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	2333.751	466750.2	-2.584	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	2468.499	493699.8	3.041	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	2507.324	501464.8	4.662	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	11981.09	479243.6	0.024	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	12224.04	488961.6	2.052	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	11986.11	479444.4	0.066	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	24721.62	494432.4	3.194	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	24405.32	488106.4	1.874	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	24448.33	488966.6	2.053	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	254413	508826	6.198	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	242138.8	484277.6	1.075	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	244413.3	488826.6	2.024	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	490244.2	490244.2	2.320	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	484969.3	484969.3	1.219	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	484927.5	484927.5	1.210	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	1183948	473579.2	-1.158	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	1176976	470790.4	-1.740	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	1188060	475224	-0.815	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	2384550	476910	-0.463	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	2408812	481762.4	0.550	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	2403943	480788.6	0.346	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	3586781	478237.5	-0.186	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	3607897	481052.9	0.401	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	3621213	482828.4	0.772	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	4781989	478198.9	-0.194	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	4803733	480373.3	0.260	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	4764090	476409	-0.568	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

4 Acetone



Expected retention time: 4.179 minutes
Search window: 0.4 minutes
No retention time reference component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

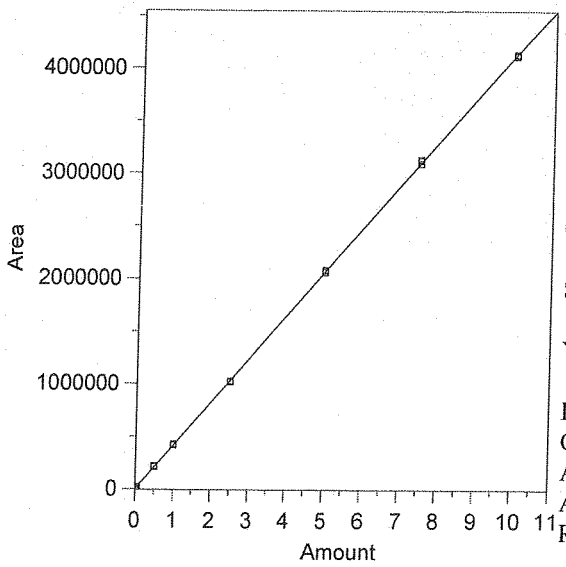
Single peak quantification by area

Y = 416415.2 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999405
Average error: 1.960%
Average CF: 422955.5
RSD: 2.274%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	2238.368	447673.6	7.507	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	2171.32	434264	4.286	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	2130.784	426156.8	2.339	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	10615.52	424620.8	1.971	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	10418.99	416759.6	0.083	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	10743.64	429745.6	3.201	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	21509.85	430197	3.310	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	21494.17	429883.4	3.234	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	21202.1	424042	1.832	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	223642.5	447285	7.413	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	212278.1	424556.2	1.955	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	214246.7	428493.4	2.901	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	426914.8	426914.8	2.521	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	422587.8	422587.8	1.482	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	420868.8	420868.8	1.070	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	1025289	410115.6	-1.513	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	1019650	407860	-2.054	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	1038209	415283.6	-0.272	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	2070625	414125	-0.550	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	2103557	420711.4	1.032	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	2080934	416186.8	-0.055	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	3130817	417442.3	0.247	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	3151942	420258.9	0.923	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	3133901	417853.5	0.345	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	4164627	416462.7	0.011	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	4152960	415296	-0.269	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	4141528	414152.8	-0.543	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

5 Propionaldehyde



Expected retention time:	4.45 minutes
Search window:	0.5 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

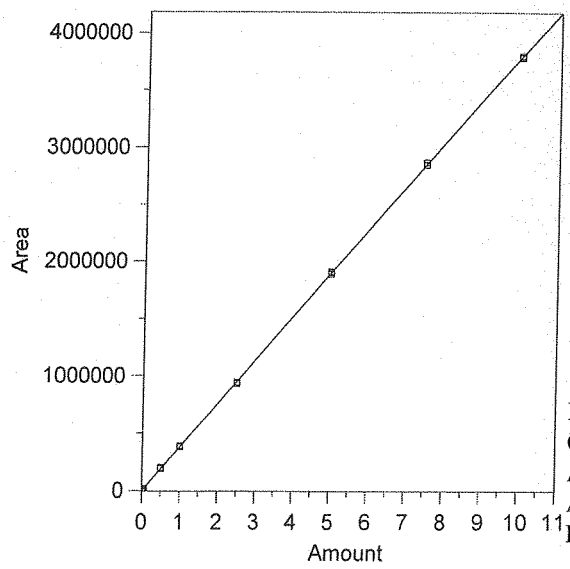
$Y = 413491.1\ X + 0$

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999471
Average error:	1.596%
Average CF:	416900.7
RSD:	1.885%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	2017.78	403556	-2.403	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	2120.531	424106.2	2.567	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	2110.294	422058.8	2.072	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	10270.25	410810	-0.648	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	10463.54	418541.6	1.221	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	10129.01	405160.4	-2.015	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	21474.82	429496.4	3.871	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	21155.03	423100.6	2.324	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	21206.9	424138	2.575	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	218583.6	437167.2	5.726	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	211193.6	422387.2	2.151	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	211752.1	423504.2	2.422	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	425236.3	425236.3	2.841	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	416753.3	416753.3	0.789	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	420042.3	420042.3	1.584	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	1017464	406985.6	-1.573	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	1016426	406570.4	-1.674	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	1025583	410233.2	-0.788	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	2060419	412083.8	-0.340	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	2076059	415211.8	0.416	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	2079987	415997.4	0.606	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	3092180	412290.7	-0.290	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	3130391	417385.5	0.942	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	3118990	415865.3	0.574	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	4134994	413499.4	0.002	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	4125538	412553.8	-0.227	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	4115842	411584.2	-0.461	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

6 Crotonaldehyde



Expected retention time: 5.222 minutes
Search window: 0.5 minutes
No retention time reference component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

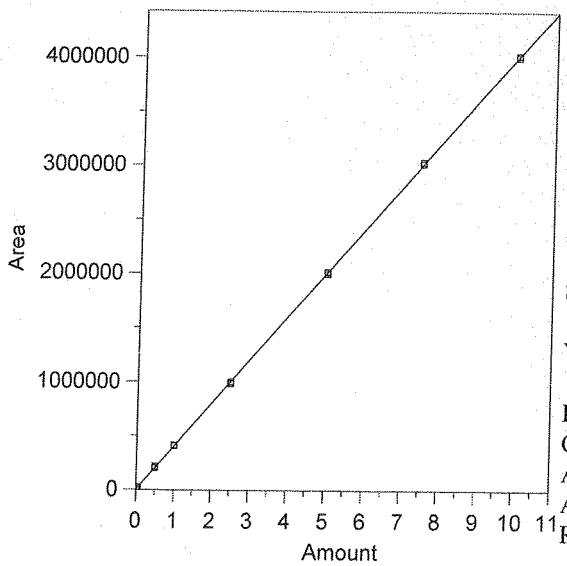
Single peak quantification by area

$Y = 380159.3 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999585
Average error: 1.483%
Average CF: 383492.5
RSD: 2.008%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	1954.227	390845.4	2.811	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	1853.591	370718.2	-2.483	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	2006.267	401253.4	5.549	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	9500.876	380035	-0.033	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	9677.464	387098.6	1.825	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	9491.502	379660.1	-0.131	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	19612.18	392243.6	3.179	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	19377.38	387547.6	1.943	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	19062.43	381248.6	0.287	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	202454.9	404909.8	6.511	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	192705	385410	1.381	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	193772.2	387544.4	1.943	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	389857.3	389857.3	2.551	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	384117.9	384117.9	1.041	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	383544.6	383544.6	0.890	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	931914.6	372765.8	-1.945	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	933845.9	373538.3	-1.742	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	943212	377284.8	-0.756	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	1892096	378419.2	-0.458	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	1909513	381902.6	0.459	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	1905140	381028	0.229	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	2846489	379531.9	-0.165	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	2869201	382560.1	0.632	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	2868674	382489.9	0.613	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	3796762	379676.2	-0.127	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	3802364	380236.4	0.020	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	3788300	378830	-0.350	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

7 Methacrolein



Expected retention time:	5.582 minutes
Search window:	0.5 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

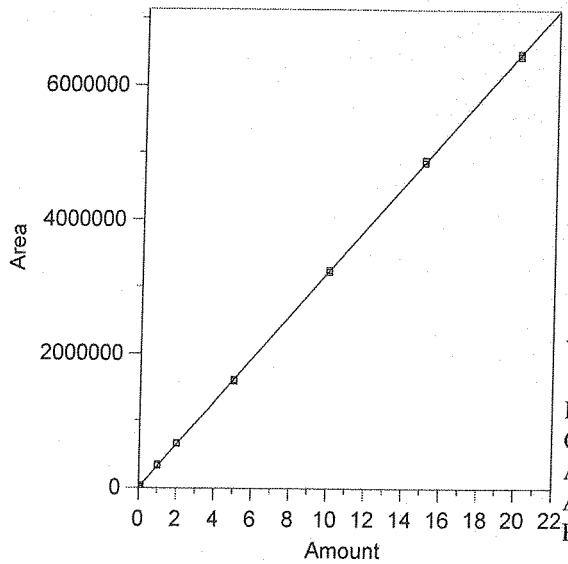
$Y = 402103.5\ X + 0$

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999555
Average error:	1.593%
Average CF:	405803.3
RSD:	2.245%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	2046.606	409321.2	1.795	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	1941.76	388352	-3.420	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	2152.434	430486.8	7.059	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	10133.4	405336	0.804	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	10129.37	405174.8	0.764	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	10215.62	408624.8	1.622	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	20786.57	415731.4	3.389	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	20543.71	410874.2	2.181	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	20057.09	401141.8	-0.239	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	215228.8	430457.6	7.051	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	202696.3	405392.6	0.818	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	205546.4	411092.8	2.236	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	411542.4	411542.4	2.347	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	406241.6	406241.6	1.029	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	405954.8	405954.8	0.958	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	988074.2	395229.7	-1.709	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	985936.9	394374.8	-1.922	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	1000575	400230	-0.466	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	1996175	399235	-0.713	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	2017778	403555.6	0.361	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	2011258	402251.6	0.037	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	3018119	402415.9	0.078	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	3035201	404693.5	0.644	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	3035088	404678.4	0.640	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	4025485	402548.5	0.111	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	4010411	401041.1	-0.264	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	4007106	400710.6	-0.346	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

8 MEK & Butyraldehyde



Expected retention time: 5.966 minutes
Search window: 0.5 minutes
No retention time reference component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

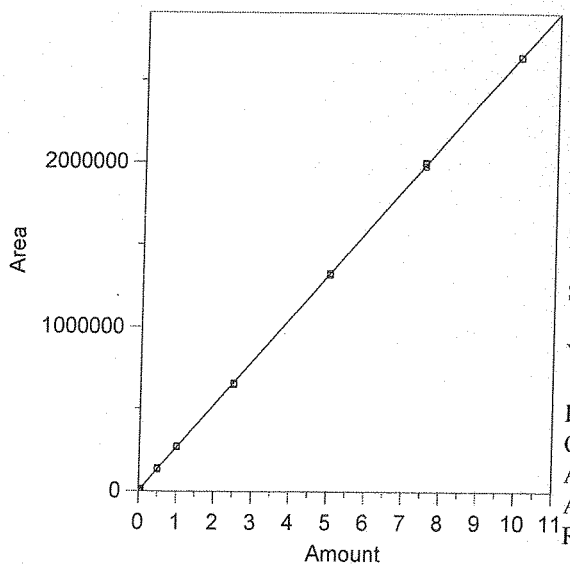
Single peak quantification by area

$Y = 323725.3\ X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999455
Average error: 1.583%
Average CF: 327616.8
RSD: 1.902%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.01	3295.589	329558.9	1.802	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.01	3245.783	324578.3	0.264	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.01	3411.926	341192.6	5.396	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.05	16421.55	328431	1.454	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.05	16468.17	329363.4	1.742	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.05	16425.41	328508.2	1.477	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.1	33572.15	335721.5	3.706	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.1	33048.58	330485.8	2.088	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.1	32802.24	328022.4	1.327	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	1	346679.9	346679.9	7.091	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	1	328309.7	328309.7	1.416	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	1	331244	331244	2.323	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	2	664752.6	332376.3	2.672	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	2	656210.7	328105.3	1.353	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	2	654874.3	327437.2	1.147	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	5	1594650	318930	-1.481	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	5	1588729	317745.8	-1.847	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	5	1611625	322325	-0.433	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	10	3222726	322272.6	-0.449	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	10	3250978	325097.8	0.424	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	10	3247845	324784.5	0.327	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	15	4851557	323437.1	-0.089	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	15	4886541	325769.4	0.631	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	15	4893723	326248.2	0.779	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	20	6462091	323104.6	-0.192	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	20	6486439	324321.9	0.184	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	20	6432050	321602.5	-0.656	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

9 Benzaldehyde



Expected retention time:	6.375 minutes
Search window:	0.5 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

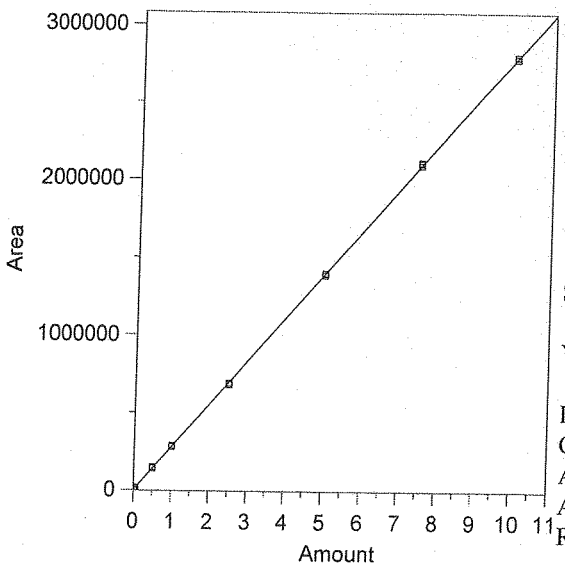
$Y = 264532.8 X + 0$

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999563
Average error:	1.328%
Average CF:	264682.8
RSD:	1.937%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	1271.628	254325.6	-3.859	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	1273.601	254720.2	-3.709	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	1382.946	276589.2	4.558	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	6506.057	260242.3	-1.622	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	6640.884	265635.3	0.417	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	6582.594	263303.8	-0.465	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	13464.09	269281.8	1.795	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	13243.82	264876.4	0.130	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	13138.29	262765.8	-0.668	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	138265.6	276531.2	4.536	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	131281	262562	-0.745	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	134626.8	269253.6	1.785	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	270957.1	270957.1	2.429	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	266032	266032	0.567	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	266541.5	266541.5	0.759	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	647530.3	259012.1	-2.087	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	648400.6	259360.3	-1.955	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	655172.9	262069.2	-0.931	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	1315721	263144.2	-0.525	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	1324105	264821	0.109	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	1325810	265162	0.238	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	1978244	263765.9	-0.290	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	2001675	266890	0.891	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	1993485	265798	0.478	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	2645002	264500.2	-0.012	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	2641466	264146.6	-0.146	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	2641496	264149.6	-0.145	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

10 Valeraldehyde



Expected retention time: 8.329 minutes
Search window: 0.5 minutes
No retention time reference component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

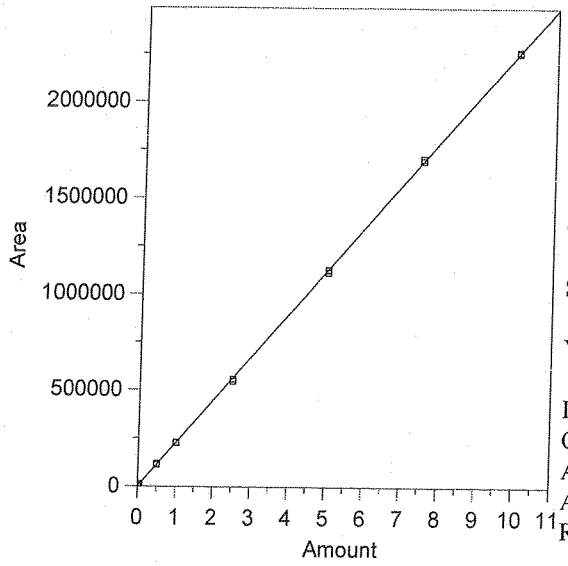
Single peak quantification by area

Y = 279178.6 X + 0

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.9999412
Average error: 1.679%
Average CF: 282346.4
RSD: 2.394%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	1484.718	296943.6	6.363	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	1440.975	288195	3.230	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	1478.778	295755.6	5.938	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	6975.488	279019.5	-0.057	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	6979.106	279164.2	-0.005	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	7027.2	281088	0.684	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	14633.92	292678.4	4.836	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	13928.58	278571.6	-0.217	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	14125.8	282516	1.195	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	149315.6	298631.2	6.968	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	140804	281608	0.870	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	142885.6	285771.2	2.361	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	286175.2	286175.2	2.506	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	280760.4	280760.4	0.567	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	280828.8	280828.8	0.591	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	681125.6	272450.3	-2.410	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	681786.7	272714.7	-2.315	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	691632.1	276652.8	-0.905	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	1386088	277217.6	-0.702	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	1398275	279655	0.171	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	1395245	279049	-0.046	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	2091460	278861.3	-0.114	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	2112053	281607.1	0.870	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	2105825	280776.7	0.572	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	2799263	279926.3	0.268	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	2783838	278383.8	-0.285	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	2783513	278351.3	-0.296	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

11 m-Tolualdehyde



Expected retention time:	8.864 minutes
Search window:	0.5 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

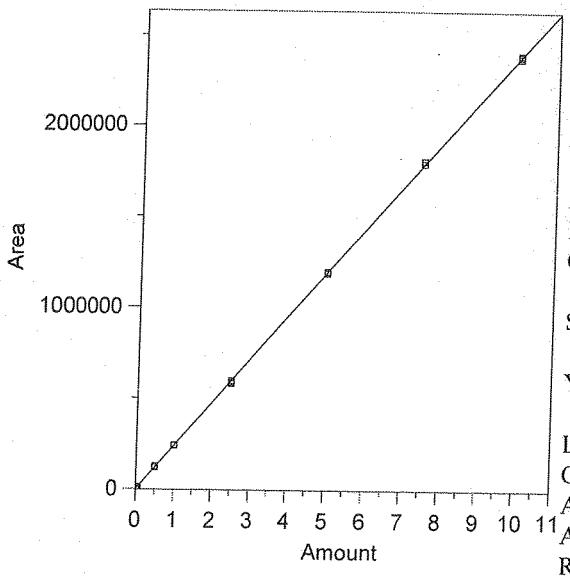
$Y = 225671.2 X + 0$

Linear fit with equal weighting, forced to origin

Coefficient of determination:	0.9999189
Average error:	1.845%
Average CF:	225055.9
RSD:	2.753%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	1205.651	241130.2	6.850	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	1133.419	226683.8	0.449	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	1115.328	223065.6	-1.155	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	5301.758	212070.3	-6.027	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	5574.778	222991.1	-1.188	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	5291.765	211670.6	-6.204	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	11500.01	230000.2	1.918	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	10974.64	219492.8	-2.738	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	11585.74	231714.8	2.678	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	118273.4	236546.8	4.819	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	112401.6	224803.2	-0.385	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	114850.5	229701	1.786	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	228083.9	228083.9	1.069	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	224659.6	224659.6	-0.448	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	224437.7	224437.7	-0.547	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	545930.8	218372.3	-3.234	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	545333.1	218133.3	-3.340	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	555975.6	222390.3	-1.454	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	1112742	222548.4	-1.384	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	1127437	225487.4	-0.081	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	1124909	224981.8	-0.305	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	1693020	225736	0.029	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	1703770	227169.3	0.664	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	1705210	227361.3	0.749	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	2261498	226149.8	0.212	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	2256941	225694.1	0.010	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	2254343	225434.3	-0.105	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

12 Hexaldehyde



Expected retention time: 11.919 minutes
Search window: 0.5 minutes
No retention time reference component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

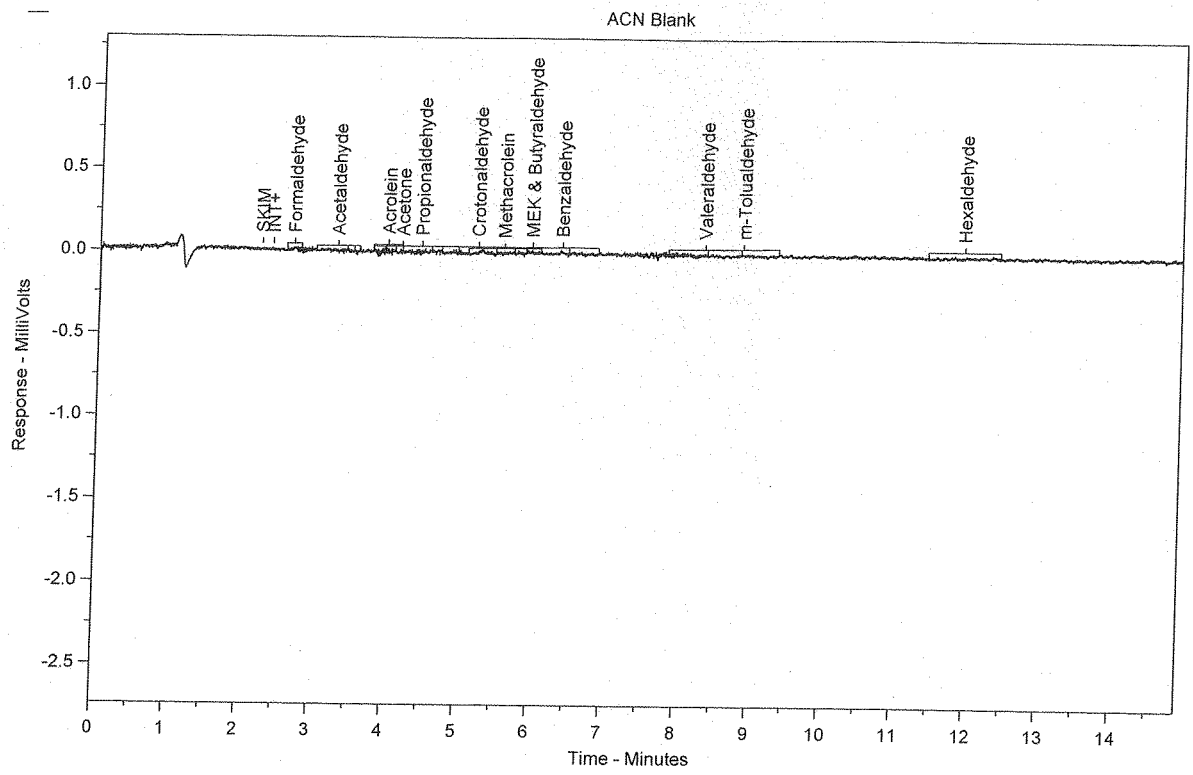
Single peak quantification by area

$Y = 238926 X + 0$

Linear fit with equal weighting, forced to origin
Coefficient of determination: 0.999934
Average error: 1.592%
Average CF: 241305.9
RSD: 2.114%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	0.005	1202.478	240495.6	0.657	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0002	6/13/2013 9:05:08 AM
2	0.005	1239.538	247907.6	3.759	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0003	6/13/2013 9:05:23 AM
3	0.005	1271.401	254280.2	6.426	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0004	6/13/2013 7:21:34 AM
4	0.025	5947.313	237892.5	-0.433	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0033	6/13/2013 7:22:04 AM
5	0.025	6068.35	242734	1.594	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0006	6/13/2013 7:22:28 AM
6	0.025	5933.474	237339	-0.664	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0007	6/13/2013 7:22:52 AM
7	0.05	12531.54	250630.8	4.899	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0008	6/13/2013 7:23:11 AM
8	0.05	12251.32	245026.4	2.553	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0009	6/13/2013 7:23:32 AM
9	0.05	12152.7	243054	1.728	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0010	6/13/2013 7:23:49 AM
10	0.5	126196	252392	5.636	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0011.BND	6/13/2013 9:25:13 AM
11	0.5	120634.2	241268.4	0.980	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0012	6/13/2013 7:24:58 AM
12	0.5	121148.8	242297.6	1.411	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0013	6/13/2013 7:25:12 AM
13	1	242571.7	242571.7	1.526	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0014	6/13/2013 7:25:25 AM
14	1	240813.4	240813.4	0.790	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0015	6/13/2013 7:25:42 AM
15	1	241116.1	241116.1	0.917	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0016	6/13/2013 7:25:59 AM
16	2.5	587005.4	234802.2	-1.726	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0017	6/13/2013 7:26:15 AM
17	2.5	579802.9	231921.2	-2.932	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0018	6/13/2013 7:26:31 AM
18	2.5	594270.9	237708.3	-0.510	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0019	6/13/2013 7:26:46 AM
19	5	1188236	237647.2	-0.535	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0020	6/13/2013 7:27:07 AM
20	5	1187571	237514.2	-0.591	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0021	6/13/2013 7:27:30 AM
21	5	1196602	239320.4	0.165	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0022	6/13/2013 7:27:52 AM
22	7.5	1792229	238963.9	0.016	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0023	6/13/2013 7:28:15 AM
23	7.5	1807473	240996.4	0.867	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0024	6/13/2013 7:28:35 AM
24	7.5	1806138	240818.4	0.792	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0025	6/13/2013 7:28:58 AM
25	10	2394549	239454.9	0.221	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0026	6/13/2013 7:29:18 AM
26	10	2387175	238717.5	-0.087	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0027	6/13/2013 7:29:40 AM
27	10	2375749	237574.9	-0.565	C:\Chromeperfect 2\Data\HPLC #1\2013\061113(cal)\061113.0028	6/13/2013 7:29:57 AM

Raw Data



Sample Name = **ACN Blank**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0001.RAW**
Date Taken (end) = 6/18/2013 8:12:38 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 1
Dilution Factor = 1

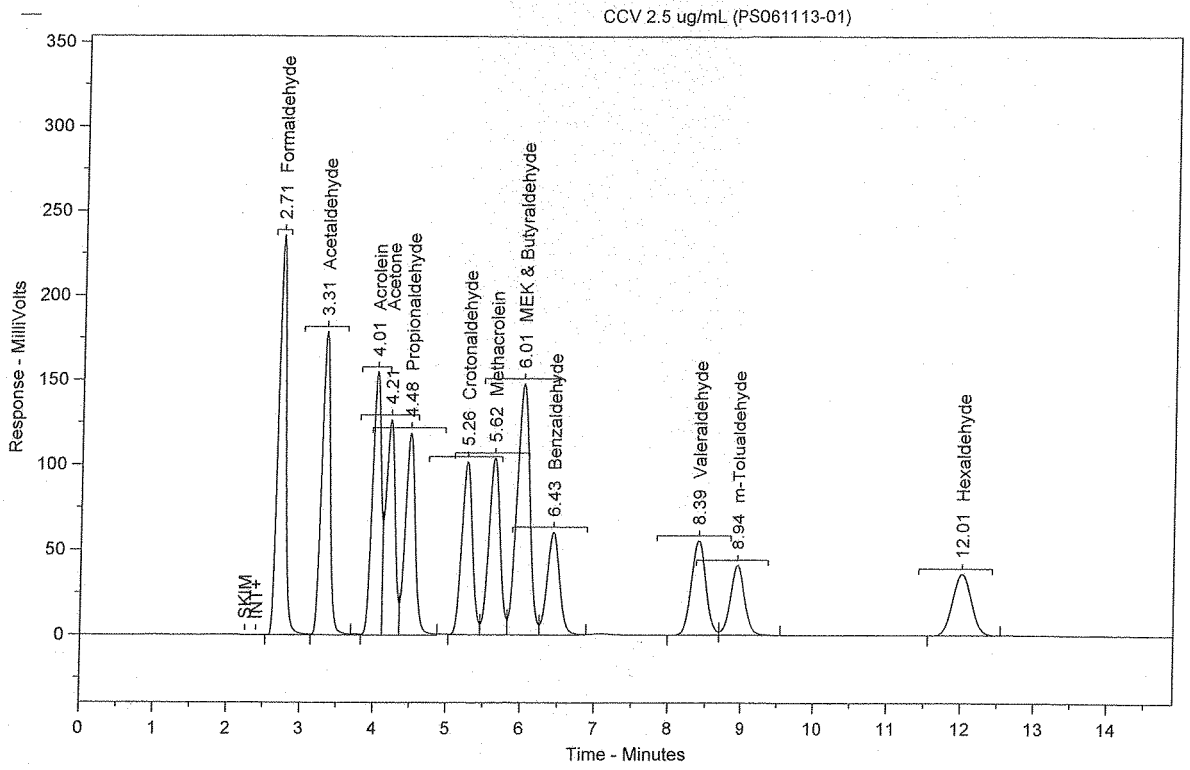
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0

Total Height = 0

Total Amount = 0

48
06/18/14



Sample Name = **CCV 2.5 ug/mL (PS061113-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0002.RAW**
Date Taken (end) = 6/18/2013 8:29:14 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

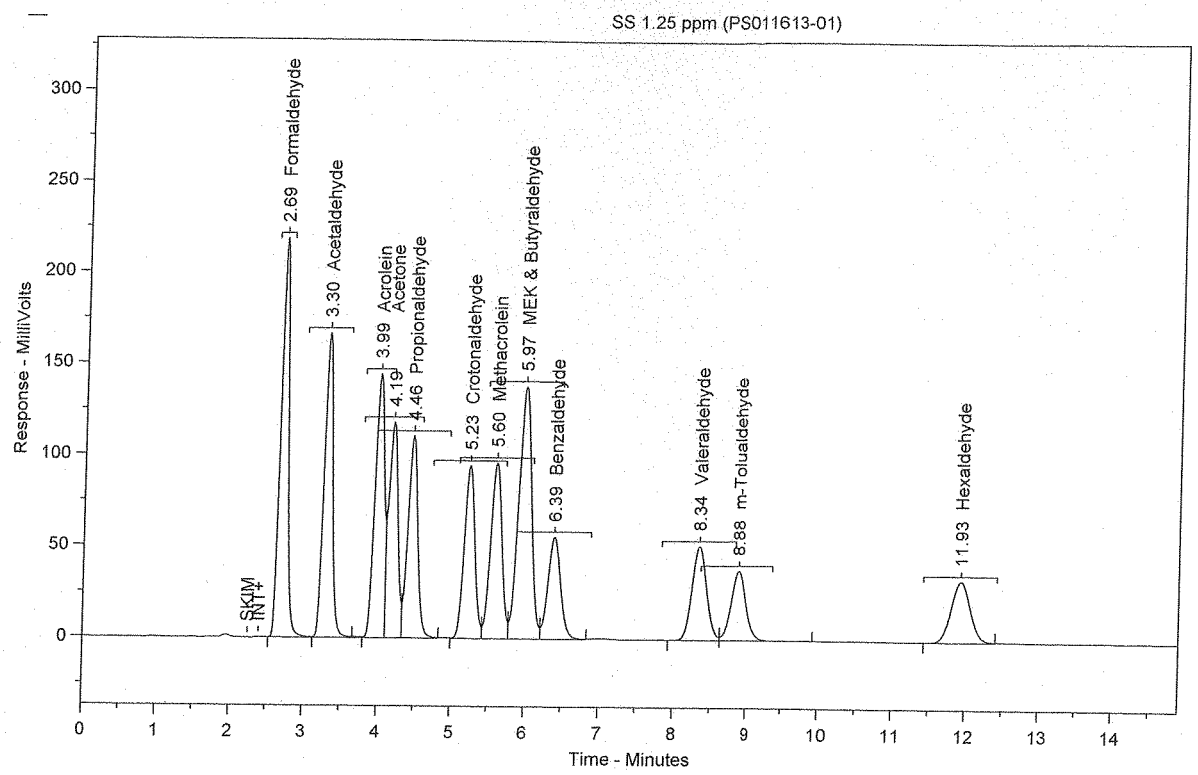
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 2
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	2.6884	7.679	1729888	13.054	SBB	0.11
2	3.31	Acetaldehyde	2.6982	7.707	1425740	10.759	TBV	0.12
3	4.01	Acrolein	2.6998	7.711	1293548	9.761	TVV	0.14
4	4.21	Acetone	2.6924	7.690	1121166	8.460	TVV	0.14
5	4.48	Propionaldehyde	2.7044	7.724	1118234	8.438	TVB	0.14
6	5.26	Crotonaldehyde	2.6928	7.691	1023689	7.725	BV	0.16
7	5.62	Methacrolein	2.6961	7.701	1084098	8.181	VV	0.16
8	6.01	MEK & Butyraldehyde	5.4015	15.428	1748607	13.195	VV	0.18
9	6.43	Benzaldehyde	2.6961	7.701	713218	5.382	VB	0.18
10	8.39	Valeraldehyde	2.6802	7.655	748250	5.646	BV	0.21
11	8.94	m-Tolualdehyde	2.6498	7.569	597986	4.512	VB	0.22
12	12.01	Hexaldehyde	2.7110	7.743	647738	4.888	BB	0.28

Total Area = 1.325216E+07 Total Height = 1361225 Total Amount = 35.01066

HP
06/18/13



Sample Name = **SS 1.25 ppm (PS011613-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0003.RAW**
Date Taken (end) = 6/18/2013 8:45:49 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

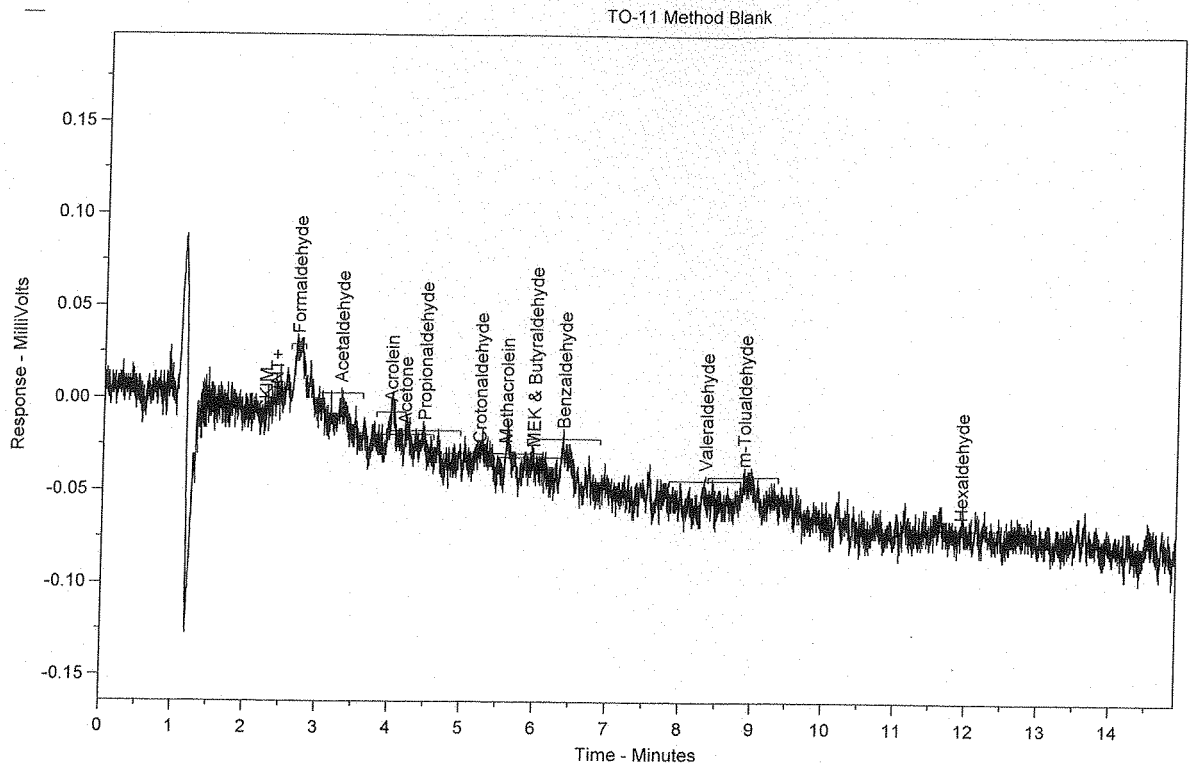
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 3
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.69	Formaldehyde	2.5190	7.662	1620916	13.028	SBB	0.11
2	3.30	Acetaldehyde	2.5297	7.695	1336740	10.744	TBV	0.12
3	3.99	Acrolein	2.5426	7.734	1218230	9.792	TVV	0.15
4	4.19	Acetone	2.5357	7.713	1055905	8.487	TVV	0.14
5	4.46	Propionaldehyde	2.5303	7.696	1046268	8.409	TVB	0.15
6	5.23	Crotonaldehyde	2.5275	7.688	960856	7.723	BV	0.16
7	5.60	Methacrolein	2.5262	7.684	1015789	8.164	VV	0.16
8	5.97	MEK & Butyraldehyde	5.0811	15.455	1644884	13.221	VV	0.18
9	6.39	Benzaldehyde	2.5146	7.649	665197	5.347	VB	0.18
10	8.34	Valeraldehyde	2.5220	7.671	704100	5.659	BV	0.21
11	8.88	m-Tolualdehyde	2.5078	7.628	565932	4.549	VB	0.23
12	11.93	Hexaldehyde	2.5399	7.726	606849	4.878	BB	0.28

Total Area = 1.244167E+07 Total Height = 1266473 Total Amount = 32.8765

HP 06/18/13



Sample Name = **TO-11 Method Blank** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0004.RAW**
Date Taken (end) = 6/18/2013 9:02:24 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

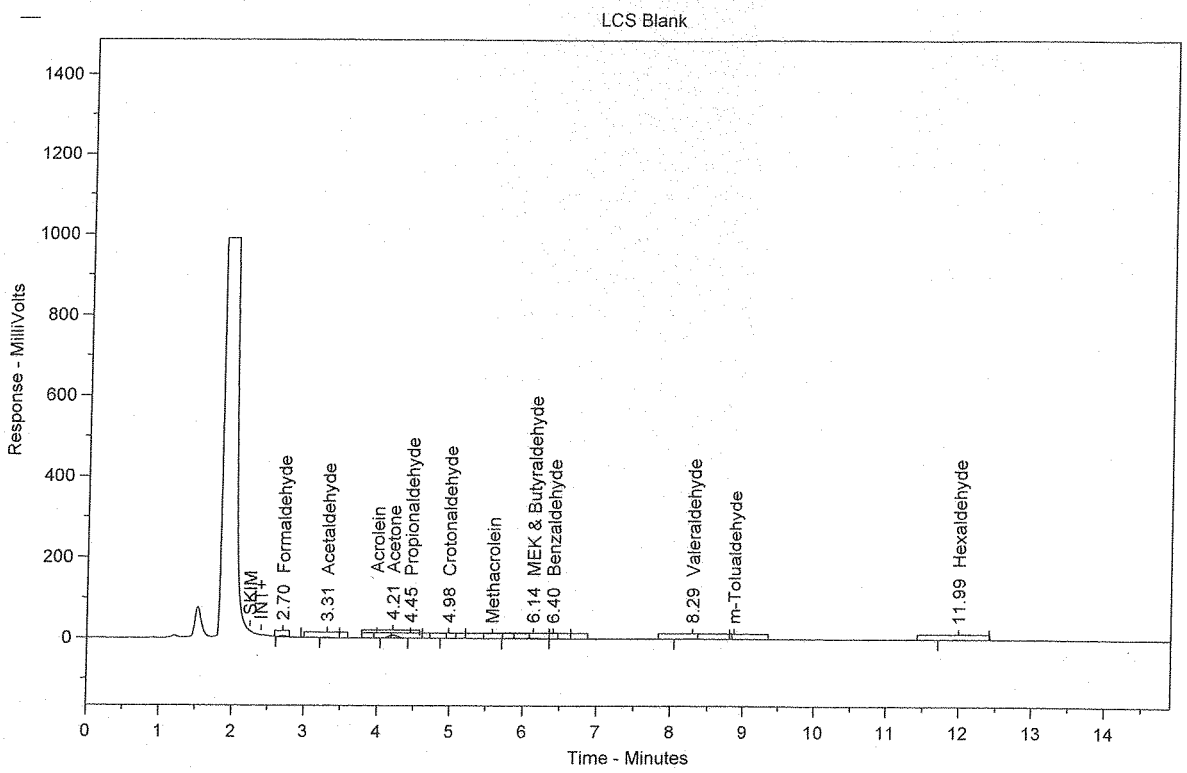
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 4
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0 Total Height = 0 Total Amount = 0

MP 06/18/13



Sample Name = **LCS Blank**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0005.RAW**
Date Taken (end) = 6/18/2013 9:19:00 AM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0005.BND
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0005.BND
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 5
Dilution Factor = 1

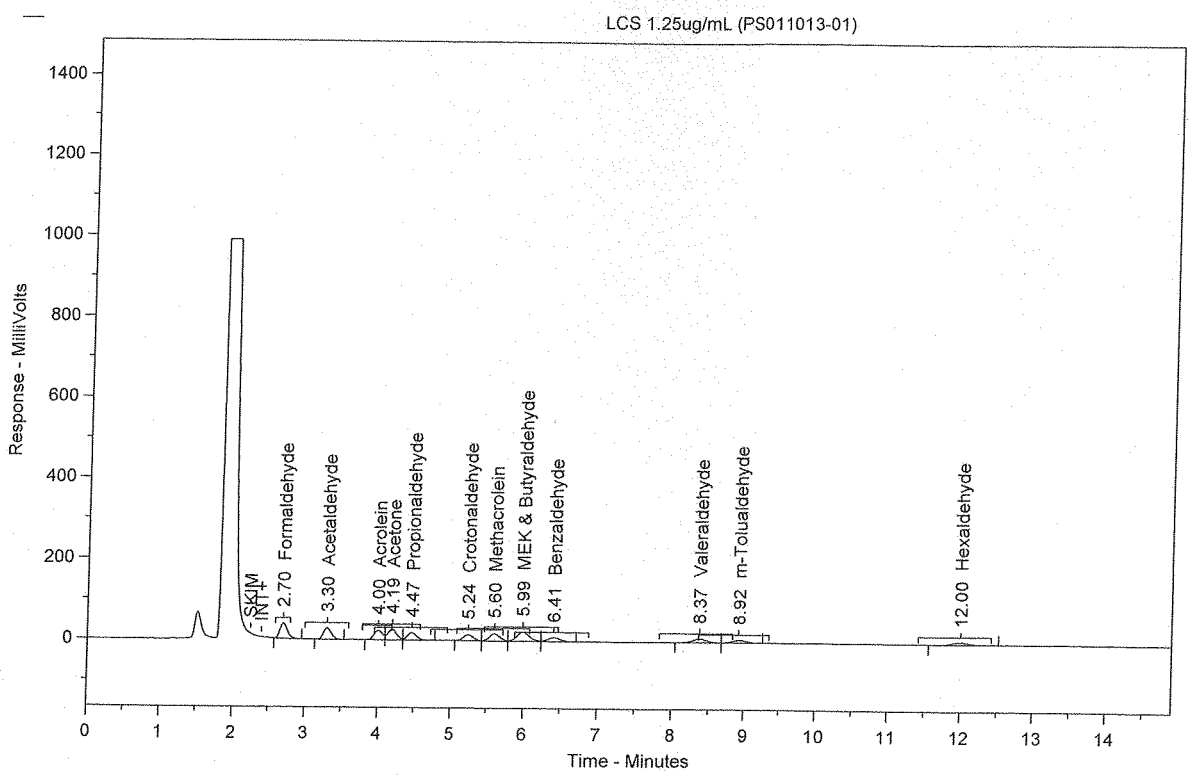
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	0.0261	7.416	16784	12.270	BB	0.16
2	3.31	Acetaldehyde	0.0173	4.928	9159	6.696	BB	0.14
3	4.21	Acetone	0.1571	44.671	65425	47.831	SBB	0.13
4	4.45	Propionaldehyde	0.0045	1.286	1870	1.367	TBB	0.12
5	4.98	Crotonaldehyde	0.0038	1.074	1436	1.050	BB	0.27
6	6.14	MEK & Butyraldehyde	0.0740	21.052	23970	17.524	BV	0.22
7	6.40	Benzaldehyde	0.0155	4.413	4106	3.002	VB	0.16
8	8.29	Valeraldehyde	0.0321	9.134	8969	6.557	BB	0.29
9	11.99	Hexaldehyde	0.0212	6.026	5064	3.702	BB	0.29

Total Area = 136782.7

Total Height = 14138.54

Total Amount = 0.3517171

HP
06/18/13



Sample Name = **LCS 1.25ug/mL (PS011013-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0006.RAW**
Date Taken (end) = 6/18/2013 9:35:35 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

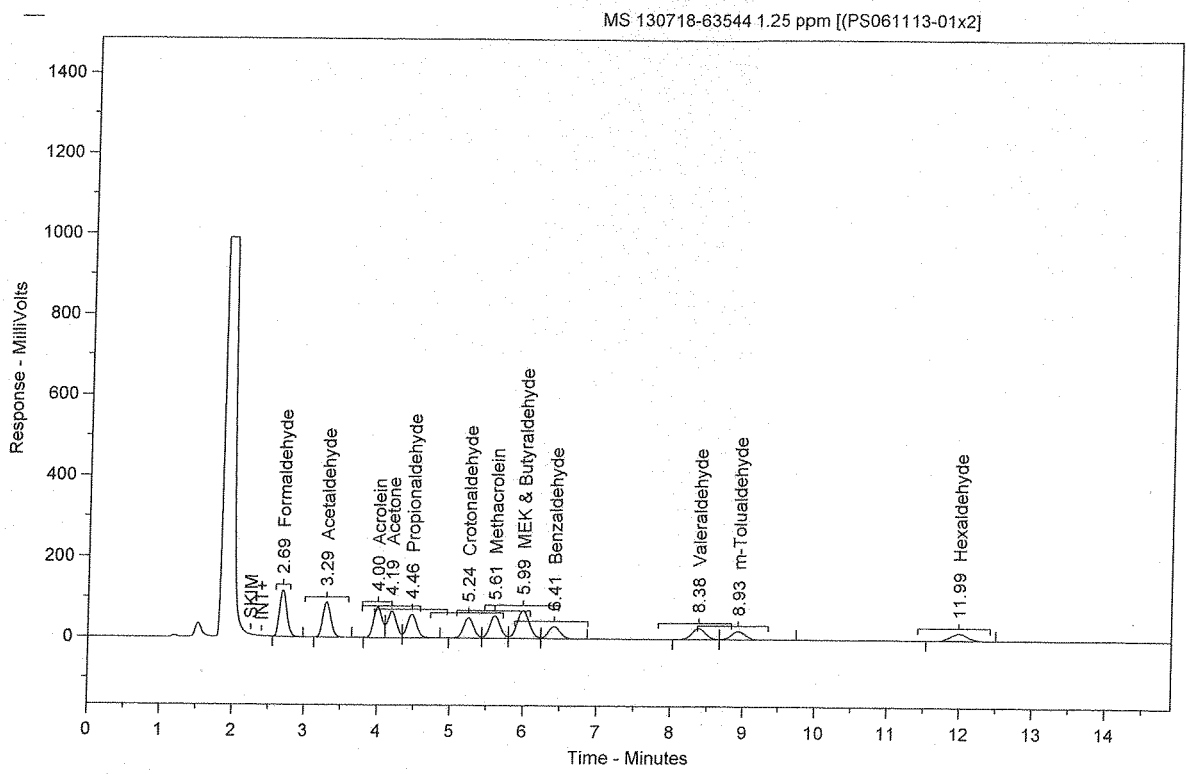
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 6
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	0.4134	7.742	266029	13.120	BB	0.11
2	3.30	Acetaldehyde	0.4052	7.588	214124	10.560	BB	0.12
3	4.00	Acrolein	0.4027	7.540	192936	9.515	BV	0.14
4	4.19	Acetone	0.5477	10.255	228051	11.247	VV	0.13
5	4.47	Propionaldehyde	0.4044	7.573	167224	8.247	VB	0.14
6	5.24	Crotonaldehyde	0.3324	6.224	126360	6.232	BB	0.15
7	5.60	Methacrolein	0.4092	7.662	164540	8.115	BV	0.15
8	5.99	MEK & Butyraldehyde	0.7866	14.730	254651	12.559	VV	0.18
9	6.41	Benzaldehyde	0.3993	7.477	105630	5.209	VB	0.18
10	8.37	Valeraldehyde	0.4256	7.970	118828	5.860	BV	0.21
11	8.92	m-Tolualdehyde	0.3888	7.281	87746	4.327	VB	0.21
12	12.00	Hexaldehyde	0.4250	7.958	101543	5.008	BB	0.27

Total Area = 2027662 Total Height = 216771.3 Total Amount = 5.340379

HP
06/18/13



Sample Name = **MS 130718-63544 1.25 ppm [(PS061113-01x2]** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0007.RAW**
Date Taken (end) = 6/18/2013 9:52:11 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

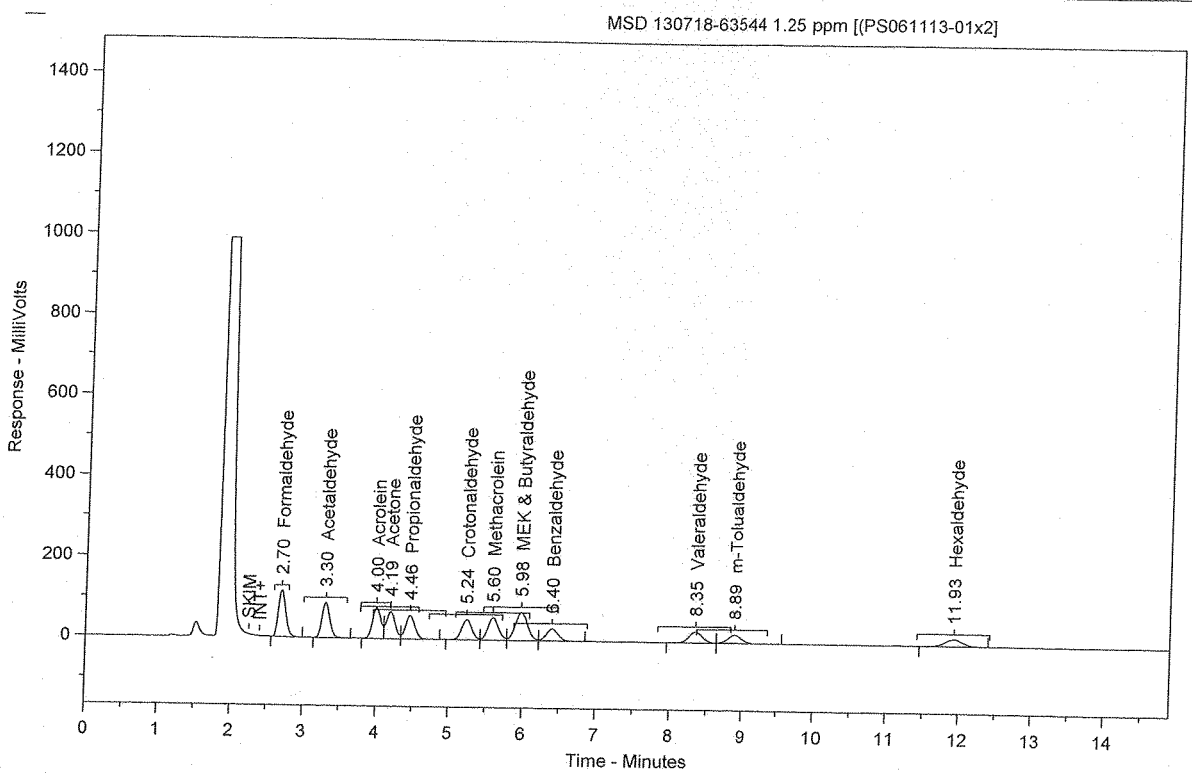
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 7
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.69	Formaldehyde	1.2835	7.605	825893	12.919	BB	0.11
2	3.29	Acetaldehyde	1.2718	7.536	672044	10.512	BB	0.12
3	4.00	Acrolein	1.3085	7.753	626922	9.806	BV	0.14
4	4.19	Acetone	1.3761	8.154	573029	8.963	VV	0.13
5	4.46	Propionaldehyde	1.2779	7.572	528420	8.266	VB	0.14
6	5.24	Crotonaldehyde	1.3017	7.713	494858	7.741	BV	0.15
7	5.61	Methacrolein	1.4102	8.356	567032	8.869	VV	0.15
8	5.99	MEK & Butyraldehyde	2.4759	14.671	801507	12.537	VV	0.17
9	6.41	Benzaldehyde	1.2905	7.647	341384	5.340	VB	0.18
10	8.38	Valeraldehyde	1.2962	7.681	361867	5.660	BV	0.21
11	8.93	m-Tolualdehyde	1.3041	7.727	294301	4.603	VB	0.22
12	11.99	Hexaldehyde	1.2799	7.584	305798	4.783	BB	0.27

Total Area = 6393056 Total Height = 672629.4 Total Amount = 16.87629

HP
06/18/13



Sample Name = **MSD 130718-63544 1.25 ppm [(PS061113-01x2]** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0008.RAW**
Date Taken (end) = 6/18/2013 10:08:46 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

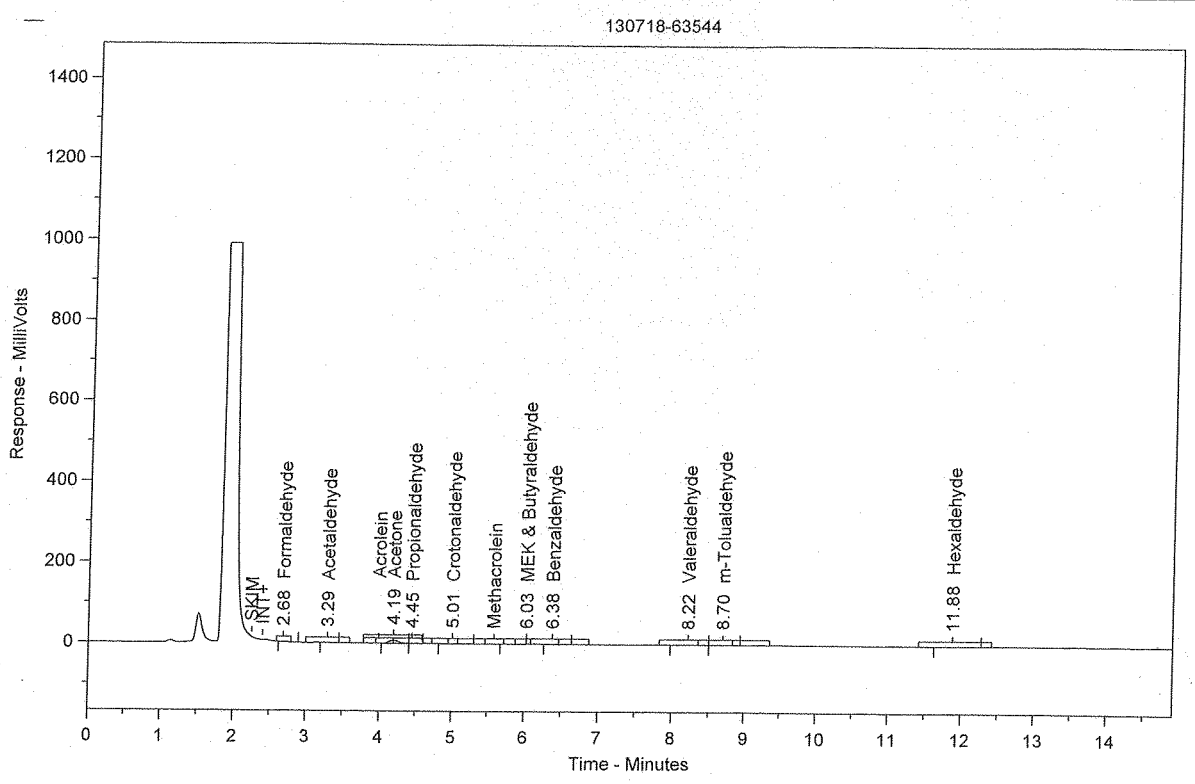
Run Time = 14.89889
Injection Volume = 10

Vial Number = 8
Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	1.2683	7.536	816094	12.809	BB	0.11
2	3.30	Acetaldehyde	1.2665	7.525	669228	10.504	BB	0.12
3	4.00	Acrolein	1.3030	7.743	624323	9.799	BV	0.14
4	4.19	Acetone	1.3652	8.112	568470	8.922	VV	0.13
5	4.46	Propionaldehyde	1.2772	7.589	528116	8.289	VB	0.14
6	5.24	Crotonaldehyde	1.3042	7.750	495815	7.782	BV	0.15
7	5.60	Methacrolein	1.4092	8.373	566648	8.894	VV	0.15
8	5.98	MEK & Butyraldehyde	2.4782	14.726	802272	12.592	VV	0.17
9	6.40	Benzaldehyde	1.2937	7.687	342236	5.371	VB	0.17
10	8.35	Valeraldehyde	1.2943	7.691	361348	5.671	BV	0.20
11	8.89	m-Tolualdehyde	1.2875	7.650	290560	4.560	VB	0.22
12	11.93	Hexaldehyde	1.2821	7.618	306331	4.808	BB	0.27

Total Area = 6371438 Total Height = 674347.3 Total Amount = 16.82956

HP 06/18/13



Sample Name = **130718-63544**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0009.RAW**
Date Taken (end) = 6/18/2013 10:25:25 AM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0009.BND
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0009.BND
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 9
Dilution Factor = 1

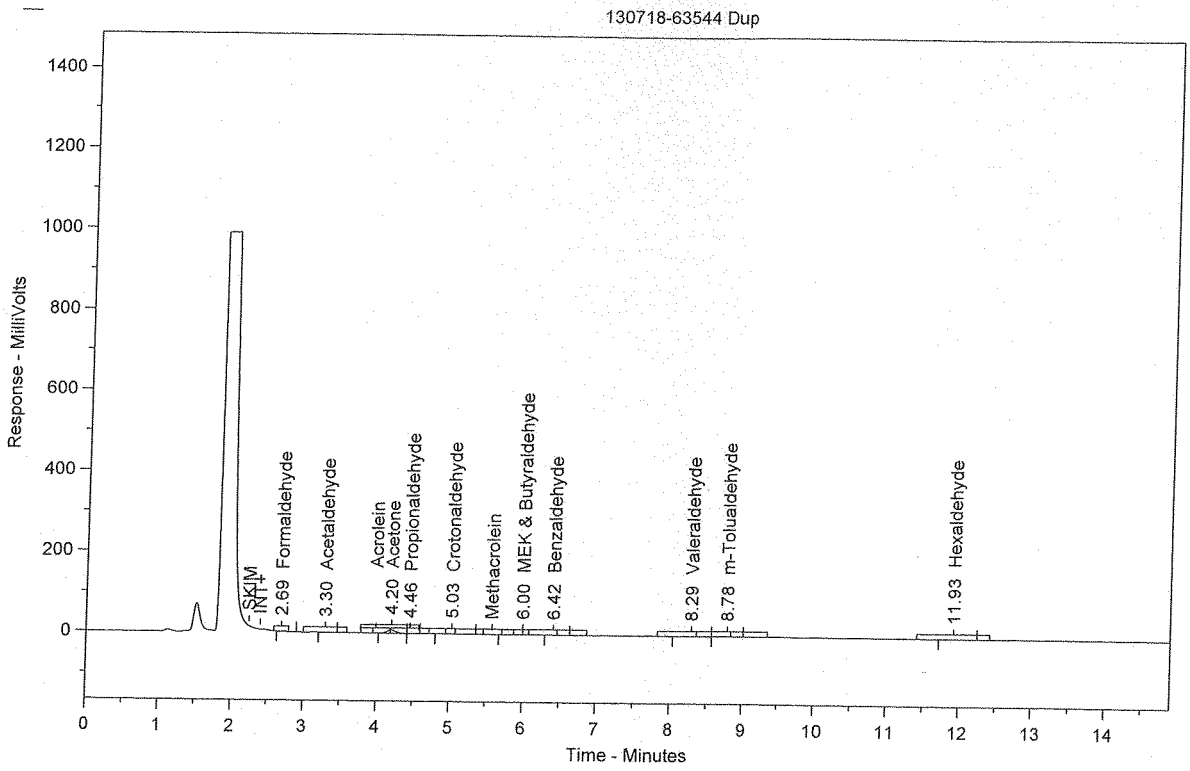
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.68	Formaldehyde	0.0077	2.482	4981	4.287	BB	0.15
2	3.29	Acetaldehyde	0.0108	3.473	5724	4.926	BB	0.16
3	4.19	Acetone	0.1620	51.934	67444	58.046	BV	0.13
4	4.45	Propionaldehyde	0.0048	1.550	1999	1.720	VB	0.11
5	5.01	Crotonaldehyde	0.0204	6.555	7771	6.688	BB	0.27
6	6.03	MEK & Butyraldehyde	0.0194	6.231	6291	5.414	BB	0.13
7	6.38	Benzaldehyde	0.0296	9.480	7821	6.731	BB	0.21
8	8.22	Valeraldehyde	0.0206	6.615	5760	4.957	BV	0.23
9	8.70	m-Tolualdehyde	0.0228	7.308	5143	4.427	VB	0.23
10	11.88	Hexaldehyde	0.0136	4.371	3257	2.803	BB	0.30

Total Area = 116191.5

Total Height = 12726.54

Total Amount = 0.3118663

HP
06/18/13



Sample Name = **130718-63544 Dup**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0010.RAW**
Date Taken (end) = 6/18/2013 10:42:01 AM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0010.BND
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0010.BND
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 10
Dilution Factor = 1

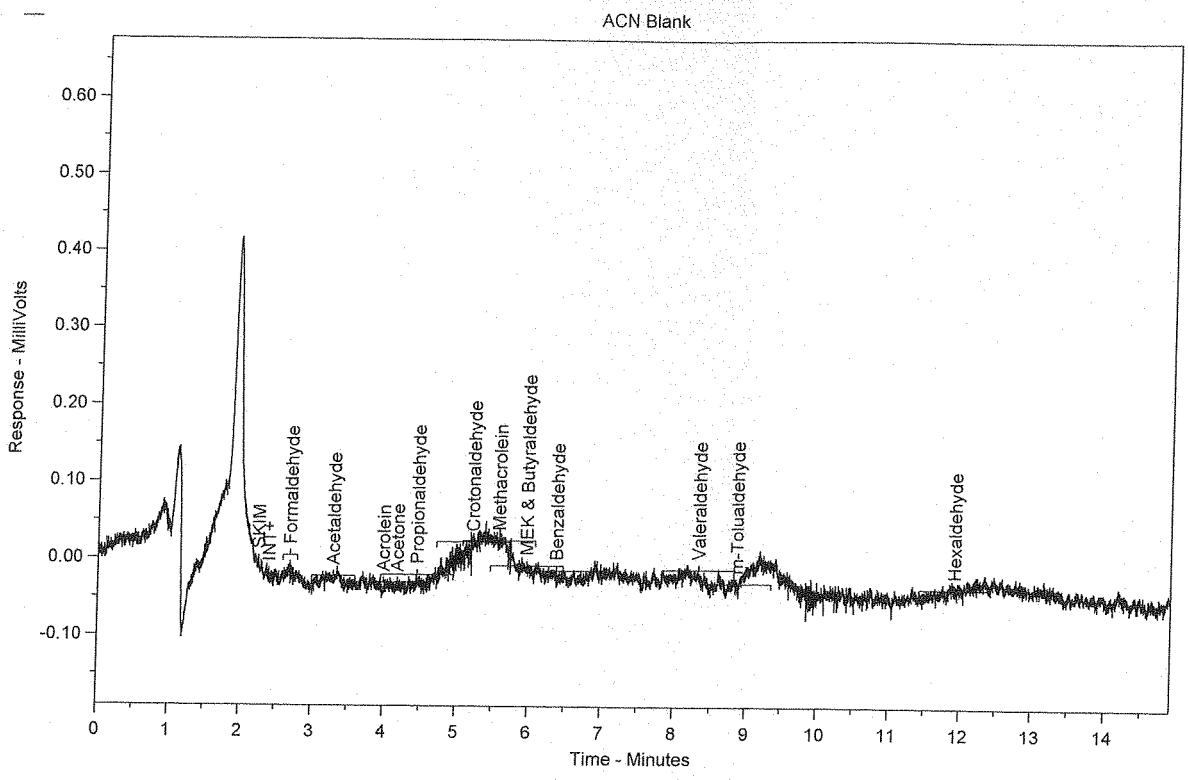
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.69	Formaldehyde	0.0077	2.421	4926	4.174	BB	0.15
2	3.30	Acetaldehyde	0.0110	3.477	5811	4.925	BB	0.17
3	4.20	Acetone	0.1648	52.114	68626	58.159	BV	0.13
4	4.46	Propionaldehyde	0.0052	1.653	2161	1.832	VB	0.10
5	5.03	Crotonaldehyde	0.0213	6.723	8083	6.850	BB	0.34
6	6.00	MEK & Butyraldehyde	0.0203	6.421	6573	5.571	BB	0.20
7	6.42	Benzaldehyde	0.0286	9.036	7559	6.406	BB	0.21
8	8.29	Valeraldehyde	0.0209	6.614	5839	4.949	BV	0.23
9	8.78	m-Tolualdehyde	0.0227	7.177	5122	4.341	VB	0.23
10	11.93	Hexaldehyde	0.0138	4.363	3296	2.794	BB	0.31

Total Area = 117996.5

Total Height = 12625.44

Total Amount = 0.3162316

HP
06/18/13



Sample Name = **ACN Blank** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0012.RAW**
Date Taken (end) = 6/18/2013 11:15:12 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

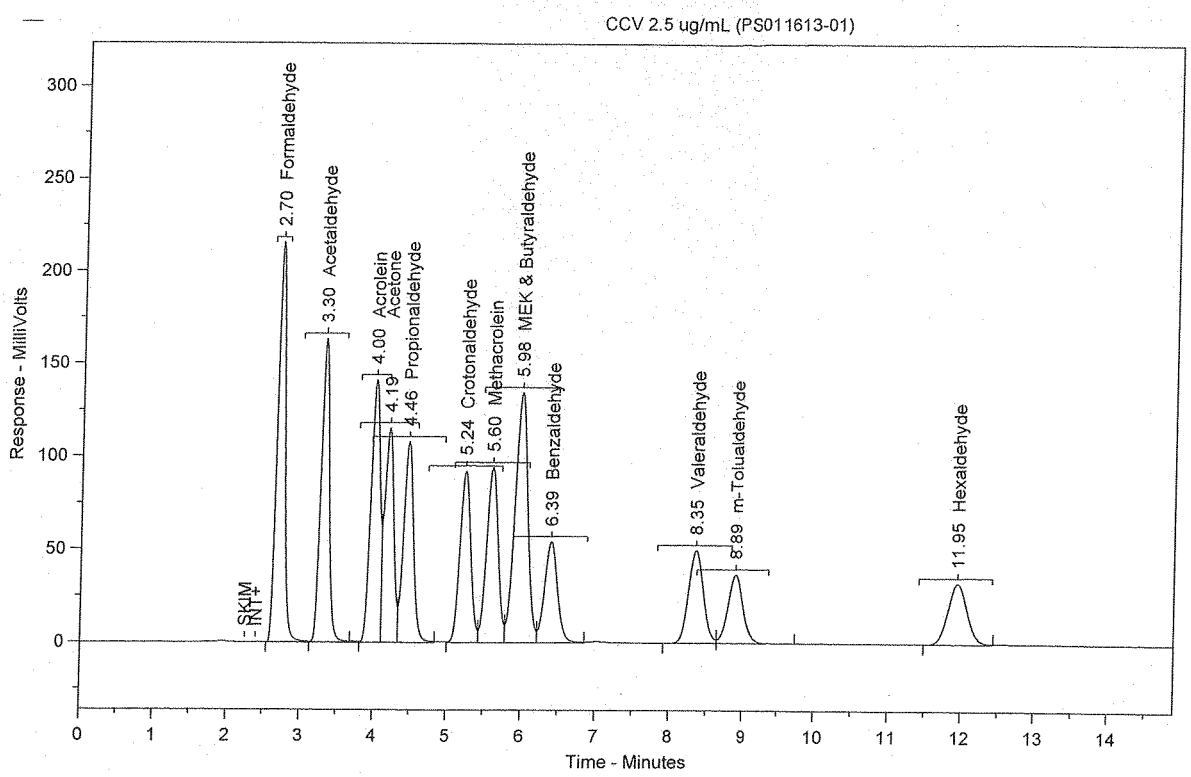
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 12
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0 Total Height = 0 Total Amount = 0

HP
06/18/13



Sample Name = **CCV 2.5 ug/mL (PS011613-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0013.RAW**
Date Taken (end) = 6/18/2013 11:31:48 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

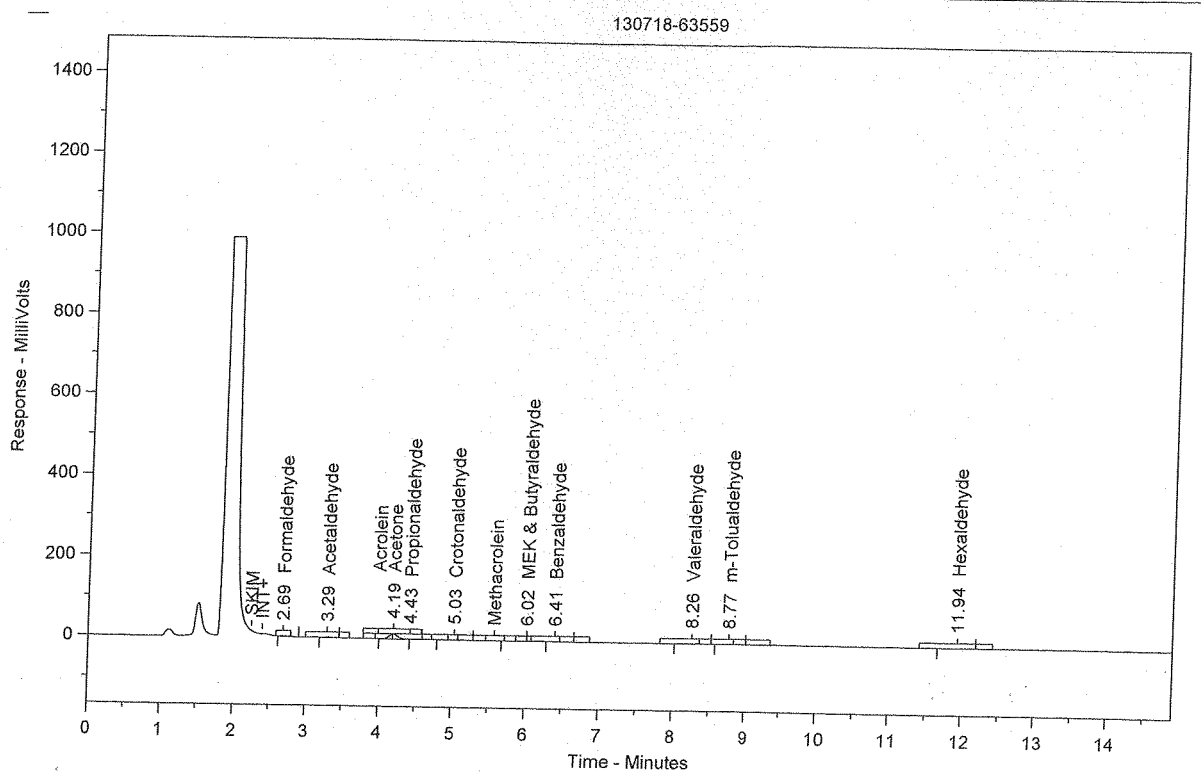
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 13
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	2.4897	7.723	1602061	13.121	SBB	0.11
2	3.30	Acetaldehyde	2.4939	7.735	1317794	10.793	TBV	0.12
3	4.00	Acrolein	2.4900	7.723	1193024	9.771	TVV	0.15
4	4.19	Acetone	2.4788	7.689	1032202	8.454	TVV	0.14
5	4.46	Propionaldehyde	2.4815	7.697	1026092	8.404	TVB	0.15
6	5.24	Crotonaldehyde	2.4819	7.698	943521	7.727	BV	0.16
7	5.60	Methacrolein	2.4776	7.685	996251	8.159	VV	0.16
8	5.98	MEK & Butyraldehyde	4.9752	15.432	1610585	13.191	VV	0.18
9	6.39	Benzaldehyde	2.4746	7.676	654611	5.361	VB	0.18
10	8.35	Valeraldehyde	2.4653	7.647	688253	5.637	BV	0.21
11	8.89	m-Tolualdehyde	2.4513	7.604	553199	4.531	VB	0.23
12	11.95	Hexaldehyde	2.4797	7.692	592470	4.852	BB	0.28

Total Area = 1.221006E+07 Total Height = 1238017 Total Amount = 32.2395

HP
06/18/13



Sample Name = **130718-63559**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0014.RAW**
Date Taken (end) = 6/18/2013 11:48:23 AM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0014.BND
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0014.BND
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 14
Dilution Factor = 1

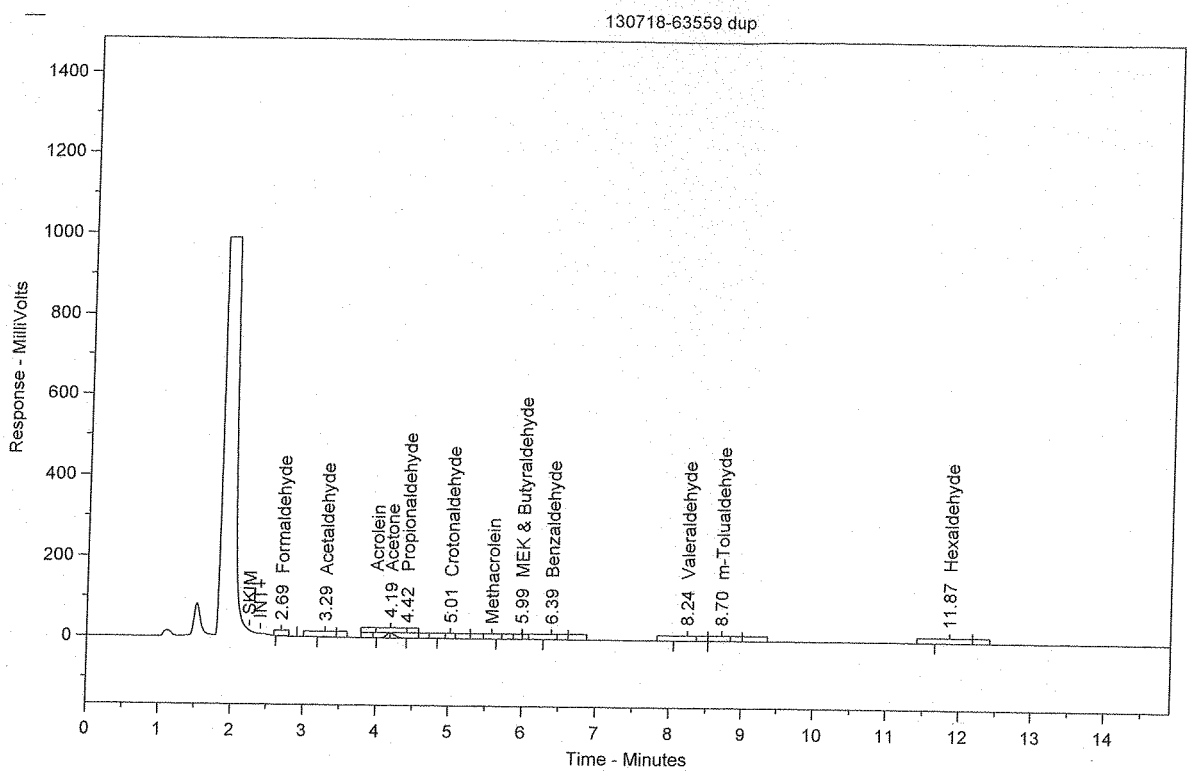
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.69	Formaldehyde	0.0145	3.506	9361	5.774	BB	0.16
2	3.29	Acetaldehyde	0.0154	3.722	8161	5.034	BB	0.14
3	4.19	Acetone	0.2560	61.709	106613	65.762	SBB	0.13
4	4.43	Propionaldehyde	0.0065	1.565	2685	1.656	TBB	0.09
5	5.03	Crotonaldehyde	0.0239	5.754	9076	5.598	BB	0.29
6	6.02	MEK & Butyraldehyde	0.0187	4.512	6060	3.738	BB	0.13
7	6.41	Benzaldehyde	0.0294	7.085	7776	4.796	BB	0.21
8	8.26	Valeraldehyde	0.0162	3.905	4523	2.790	BV	0.32
9	8.77	m-Tolualdehyde	0.0229	5.521	5169	3.188	VB	0.26
10	11.94	Hexaldehyde	0.0113	2.722	2698	1.664	BB	0.28

Total Area = 162120.1

Total Height = 18115.08

Total Amount = 0.4148932

HP 06/18/13



Sample Name = **130718-63559 dup**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0015.RAW**
Date Taken (end) = 6/18/2013 12:04:58 PM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0015.BND
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0015.BND
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 15
Dilution Factor = 1

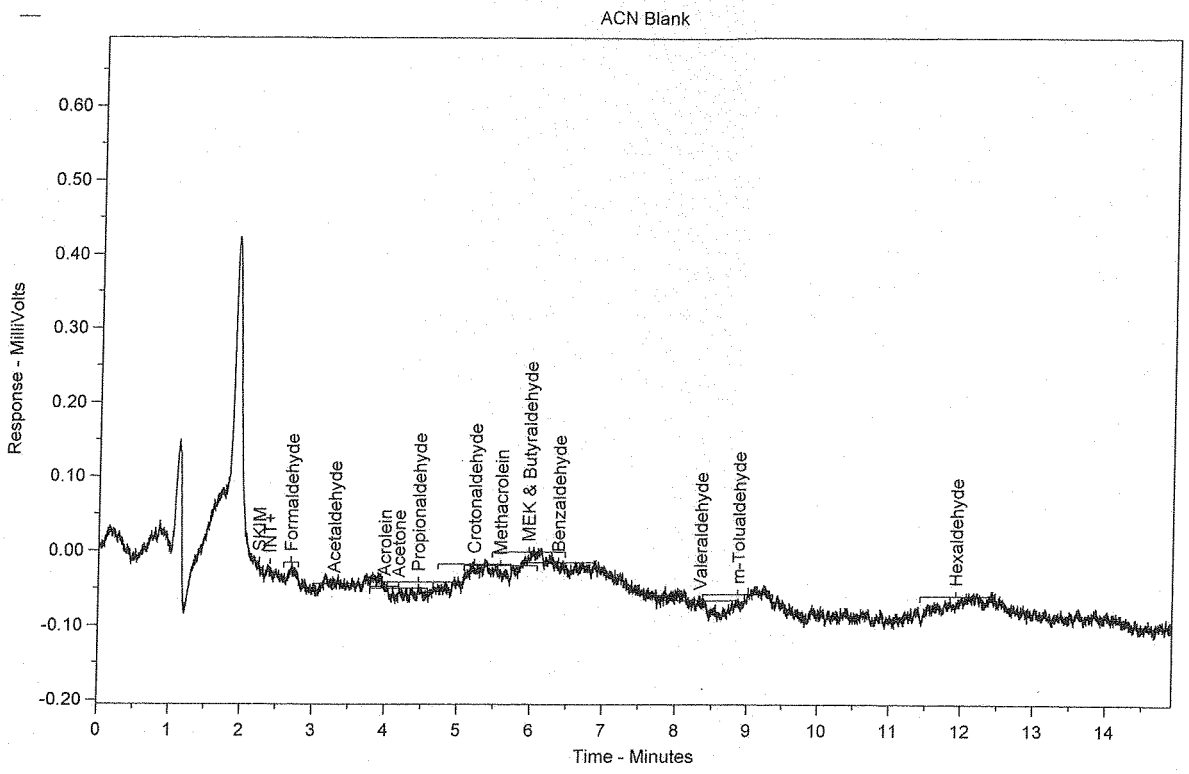
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.69	Formaldehyde	0.0137	3.288	8790	5.428	BB	0.16
2	3.29	Acetaldehyde	0.0152	3.666	8047	4.969	BB	0.13
3	4.19	Acetone	0.2543	61.208	105881	65.383	SBB	0.13
4	4.42	Propionaldehyde	0.0068	1.640	2817	1.740	TBB	0.08
5	5.01	Crotonaldehyde	0.0238	5.733	9053	5.590	BB	0.30
6	5.99	MEK & Butyraldehyde	0.0237	5.697	7661	4.731	BB	0.20
7	6.39	Benzaldehyde	0.0276	6.638	7294	4.504	BB	0.20
8	8.24	Valeraldehyde	0.0163	3.925	4552	2.811	BV	0.38
9	8.70	m-Tolualdehyde	0.0227	5.468	5126	3.165	VB	0.27
10	11.87	Hexaldehyde	0.0114	2.739	2719	1.679	BB	0.31

Total Area = 161939.6

Total Height = 17889.69

Total Amount = 0.4154198

HP
06/18/13



Sample Name = **ACN Blank** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0023.RAW**
Date Taken (end) = 6/18/2013 2:17:45 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

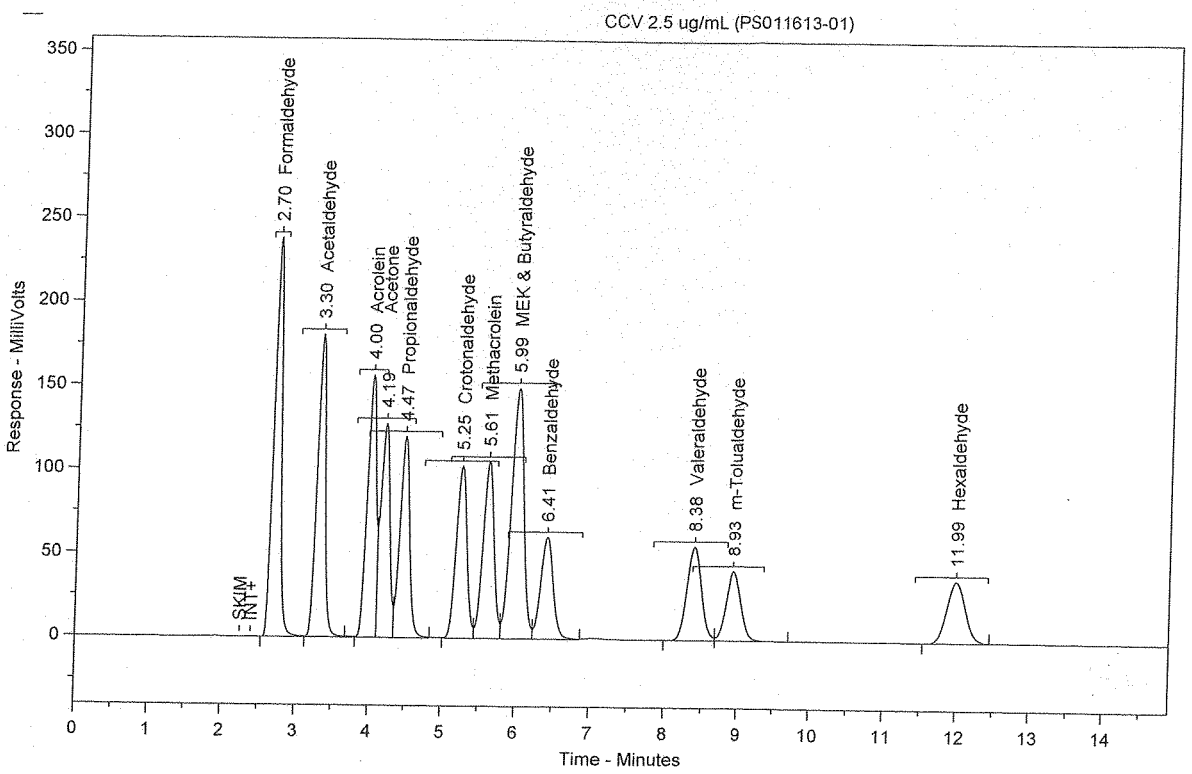
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 23
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0 Total Height = 0 Total Amount = 0

MP
06/19/13



Sample Name = **CCV 2.5 ug/mL (PS011613-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0024.RAW**
Date Taken (end) = 6/18/2013 2:34:20 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

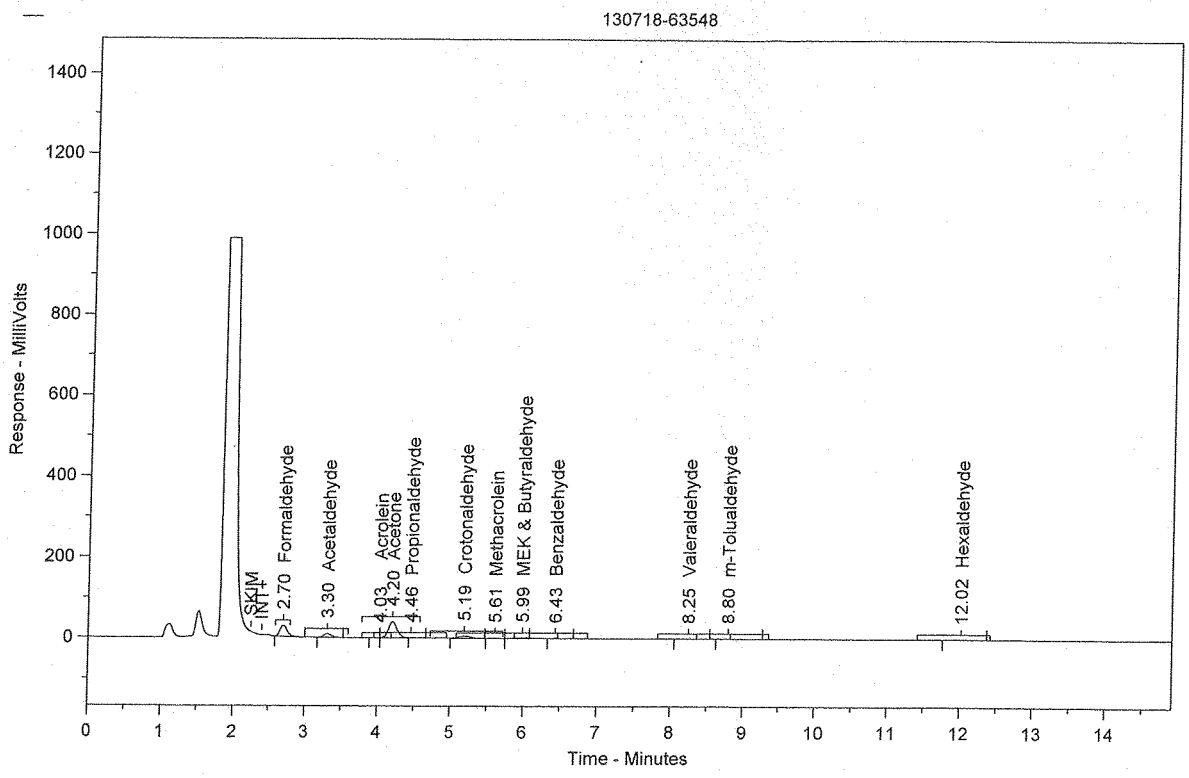
Run Time = 14.89889
Injection Volume = 10

Vial Number = 24
Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	2.7021	7.687	1738711	13.066	SBB	0.11
2	3.30	Acetaldehyde	2.7068	7.700	1430328	10.748	TBV	0.12
3	4.00	Acrolein	2.7142	7.721	1300464	9.772	TVV	0.14
4	4.19	Acetone	2.7151	7.724	1130627	8.496	TVV	0.14
5	4.47	Propionaldehyde	2.7026	7.688	1117504	8.397	TVB	0.14
6	5.25	Crotonaldehyde	2.6998	7.680	1026337	7.712	BV	0.15
7	5.61	Methacrolein	2.7169	7.729	1092463	8.209	VV	0.15
8	5.99	MEK & Butyraldehyde	5.4175	15.411	1753785	13.179	VV	0.18
9	6.41	Benzaldehyde	2.6986	7.677	713861	5.364	VB	0.18
10	8.38	Valeraldehyde	2.6988	7.677	753458	5.662	BV	0.21
11	8.93	m-Tolualdehyde	2.6761	7.613	603914	4.538	VB	0.22
12	11.99	Hexaldehyde	2.7044	7.693	646158	4.856	BB	0.27

Total Area = 1.330761E+07 Total Height = 1377251 Total Amount = 35.15295

HP
06/19/13



Sample Name = **130718-63548**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0025.RAW**
Date Taken (end) = 6/18/2013 2:50:54 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 25
Dilution Factor = 1

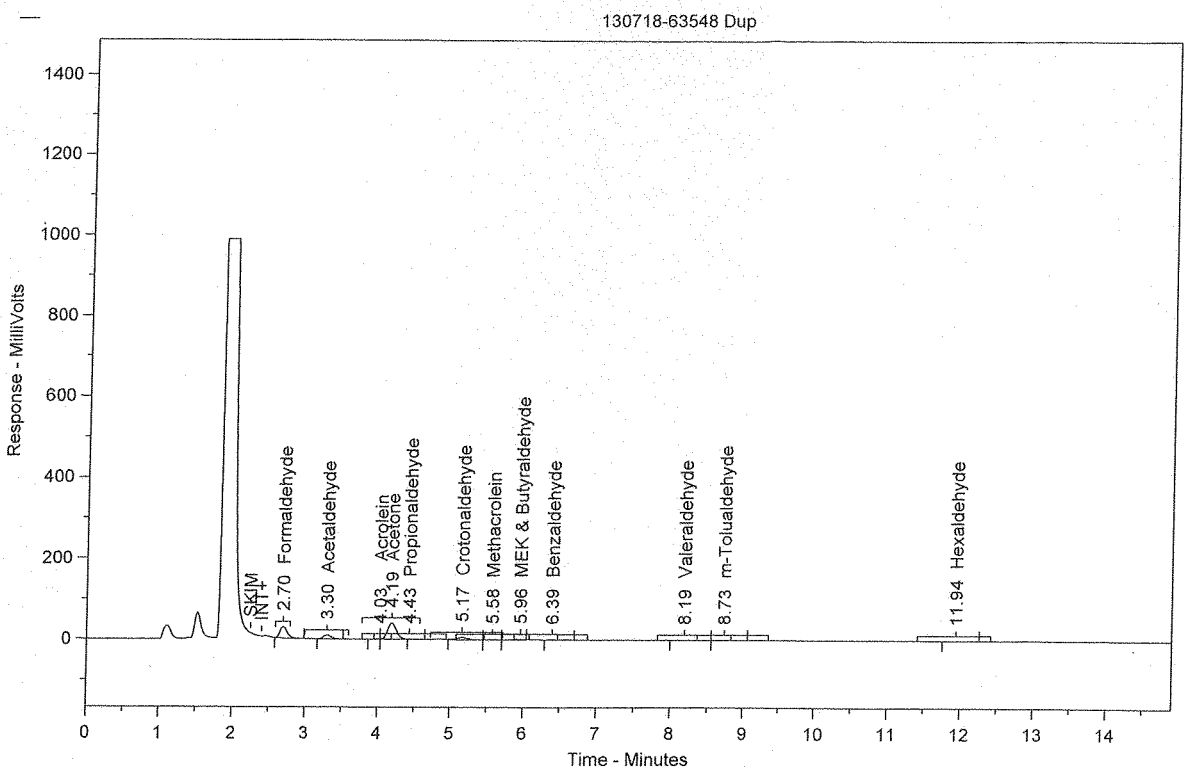
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	0.2979	18.848	191662	26.699	BB	0.11
2	3.30	Acetaldehyde	0.1365	8.639	72136	10.049	BB	0.12
3	4.03	Acrolein	0.0052	0.328	2482	0.346	BV	0.08
4	4.20	Acetone	0.8217	51.997	342167	47.665	SBB	0.13
5	4.46	Propionaldehyde	0.0212	1.340	8756	1.220	TBB	0.11
6	5.19	Crotonaldehyde	0.1608	10.174	61121	8.514	BB	0.18
7	5.61	Methacrolein	0.0083	0.524	3331	0.464	BV	0.13
8	5.99	MEK & Butyraldehyde	0.0529	3.346	17117	2.384	VB	0.18
9	6.43	Benzaldehyde	0.0175	1.105	4618	0.643	BB	0.20
10	8.25	Valeraldehyde	0.0205	1.299	5731	0.798	BV	0.24
11	8.80	m-Tolualdehyde	0.0247	1.566	5585	0.778	VB	0.29
12	12.02	Hexaldehyde	0.0132	0.834	3148	0.439	BB	0.31

Total Area = 717853.9

Total Height = 87217.62

Total Amount = 1.580271

HP
06/19/13



Sample Name = **130718-63548 Dup** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0026.RAW**
Date Taken (end) = 6/18/2013 3:07:29 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

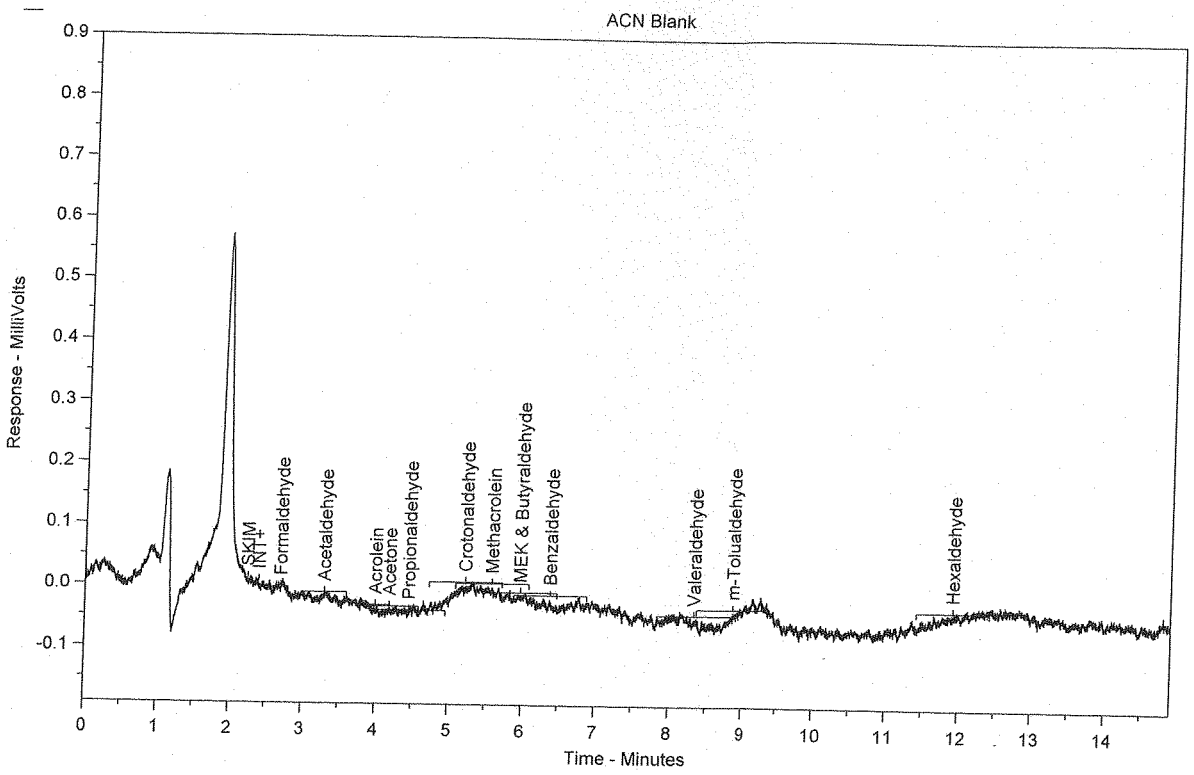
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 26
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	0.2982	18.992	191884	26.801	BB	0.11
2	3.30	Acetaldehyde	0.1367	8.709	72254	10.092	BB	0.12
3	4.03	Acrolein	0.0064	0.410	3083	0.431	BV	0.08
4	4.19	Acetone	0.8243	52.502	343268	47.945	SBB	0.13
5	4.43	Propionaldehyde	0.0225	1.436	9324	1.302	TBB	0.11
6	5.17	Crotonaldehyde	0.1529	9.736	58115	8.117	BB	0.17
7	5.58	Methacrolein	0.0084	0.537	3388	0.473	BV	0.14
8	5.96	MEK & Butyraldehyde	0.0592	3.773	19179	2.679	VB	0.19
9	6.39	Benzaldehyde	0.0165	1.050	4362	0.609	BB	0.19
10	8.19	Valeraldehyde	0.0159	1.010	4425	0.618	BV	0.24
11	8.73	m-Tolualdehyde	0.0186	1.184	4194	0.586	VB	0.27
12	11.94	Hexaldehyde	0.0104	0.661	2481	0.347	BB	0.30

Total Area = 715956.9 Total Height = 87664.02 Total Amount = 1.570112

HP
06/19/13



Sample Name = **ACN Blank**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0034.RAW**
Date Taken (end) = 6/18/2013 5:20:13 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 34
Dilution Factor = 1

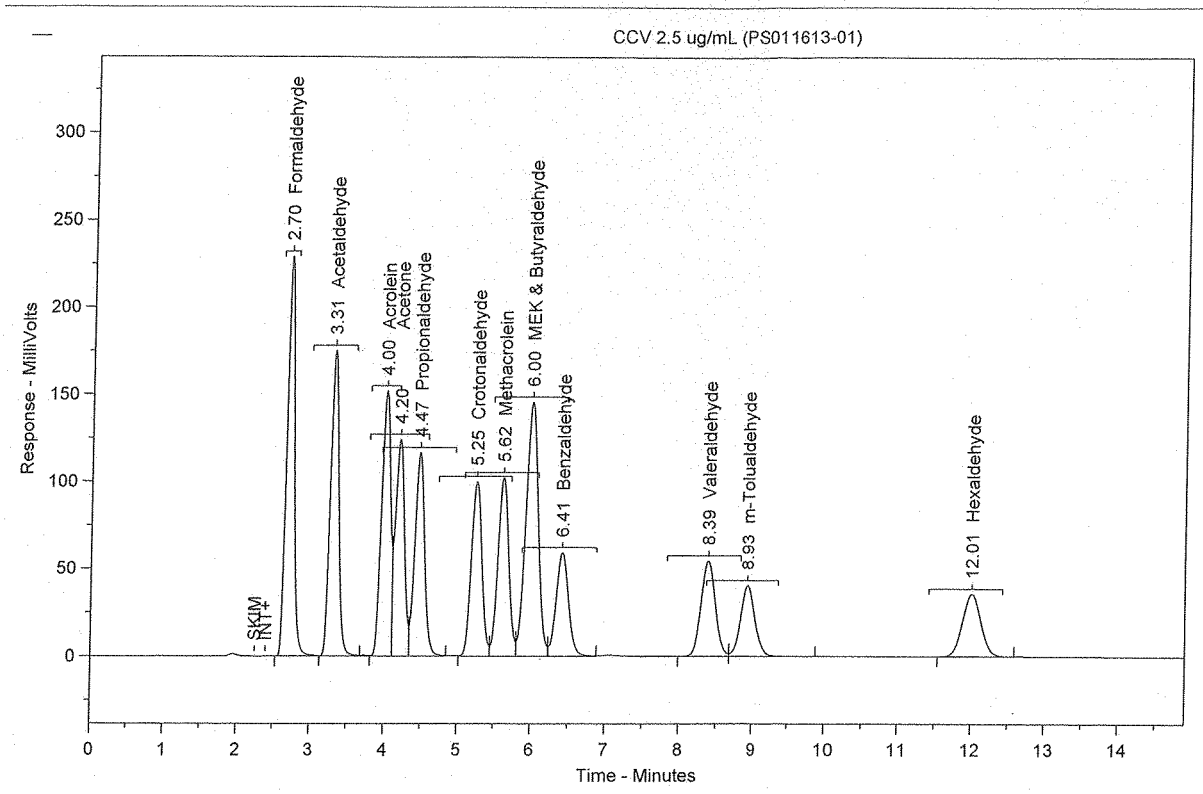
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0

Total Height = 0

Total Amount = 0

HP
06/19/13



Sample Name = **CCV 2.5 ug/mL (PS011613-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0035.RAW**
Date Taken (end) = 6/18/2013 5:36:48 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

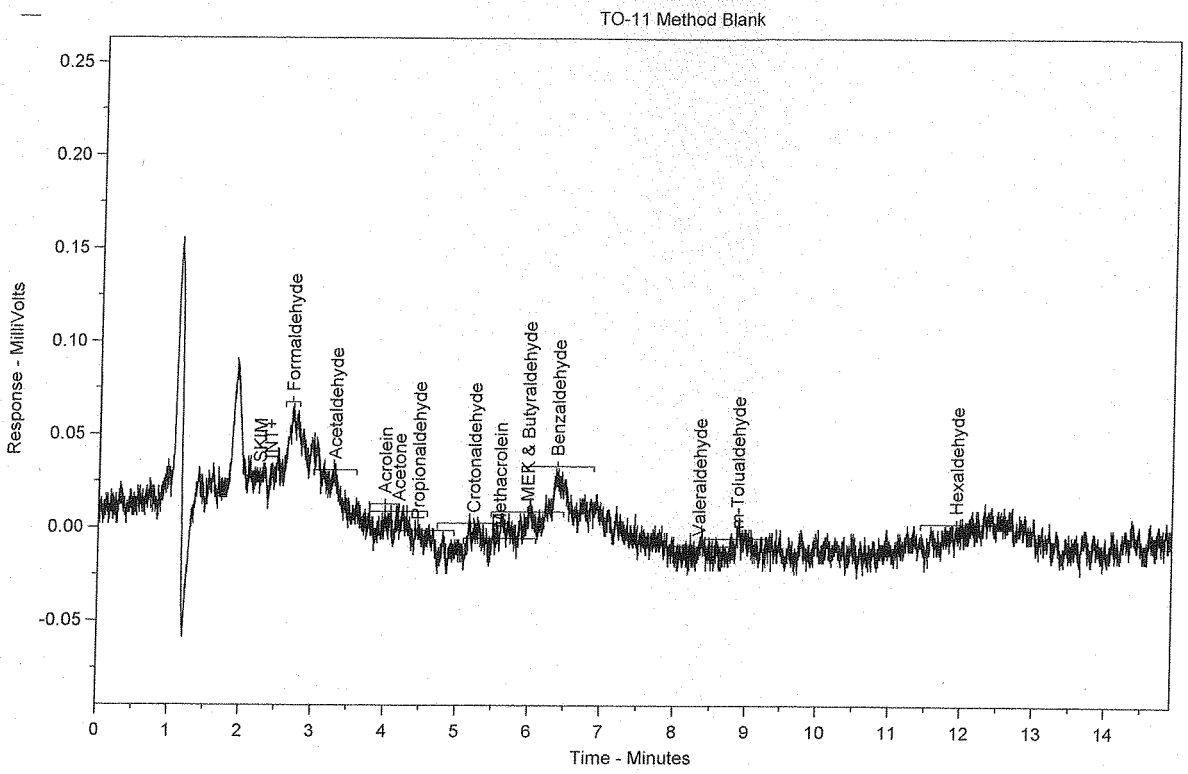
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 35
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	2.5835	7.629	1662441	12.973	SBB	0.11
2	3.31	Acetaldehyde	2.6110	7.710	1379689	10.767	TBV	0.12
3	4.00	Acrolein	2.6139	7.719	1252403	9.773	TVV	0.14
4	4.20	Acetone	2.6188	7.733	1090498	8.510	TVV	0.14
5	4.47	Propionaldehyde	2.6102	7.708	1079290	8.422	TVB	0.14
6	5.25	Crotonaldehyde	2.6030	7.686	989536	7.722	BV	0.15
7	5.62	Methacrolein	2.6138	7.718	1051028	8.202	VV	0.15
8	6.00	MEK & Butyraldehyde	5.2148	15.399	1688167	13.174	VV	0.18
9	6.41	Benzaldehyde	2.6101	7.707	690457	5.388	VB	0.18
10	8.39	Valeraldehyde	2.6067	7.697	727739	5.679	BV	0.21
11	8.93	m-Tolualdehyde	2.5849	7.633	583338	4.552	VB	0.22
12	12.01	Hexaldehyde	2.5944	7.661	619863	4.837	BB	0.27

Total Area = 1.281445E+07 Total Height = 1334118 Total Amount = 33.86512

HP
06/19/13



Sample Name = **TO-11 Method Blank** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0036.RAW**
Date Taken (end) = 6/18/2013 5:53:23 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

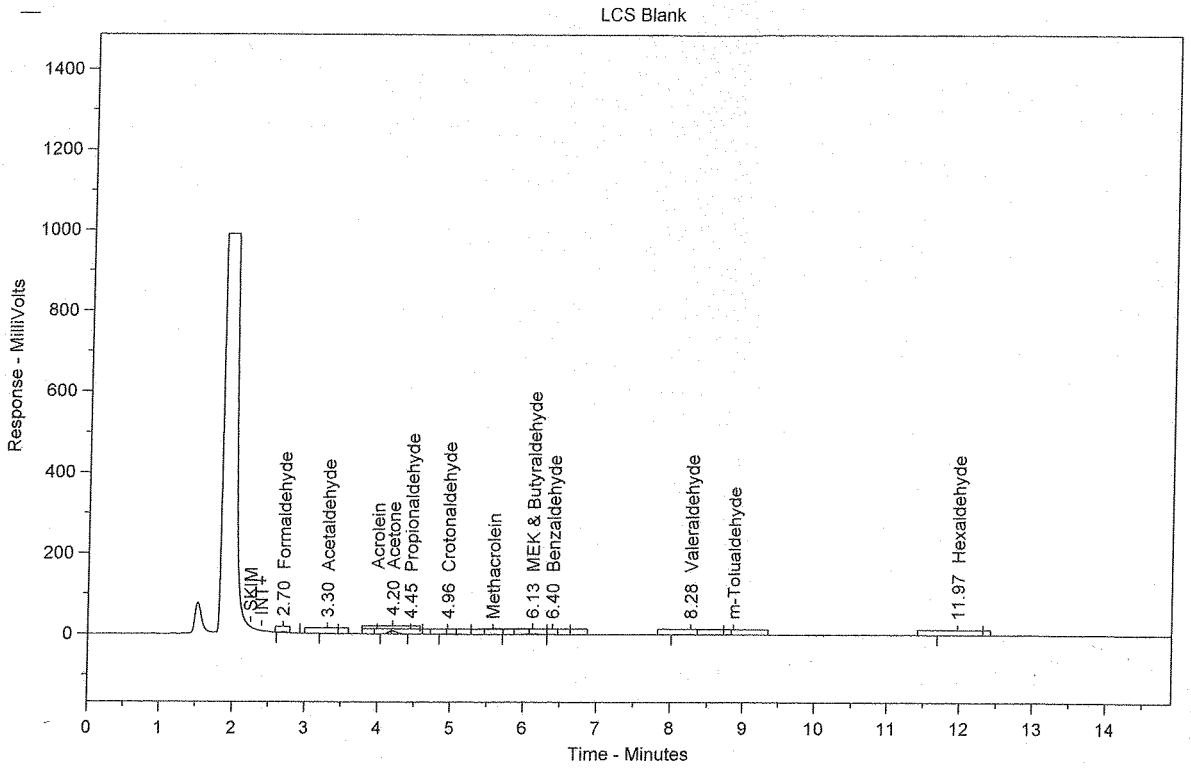
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 36
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0 Total Height = 0 Total Amount = 0

HP
06/19/13



Sample Name = **LCS Blank** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0037.RAW**
Date Taken (end) = 6/18/2013 6:09:58 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

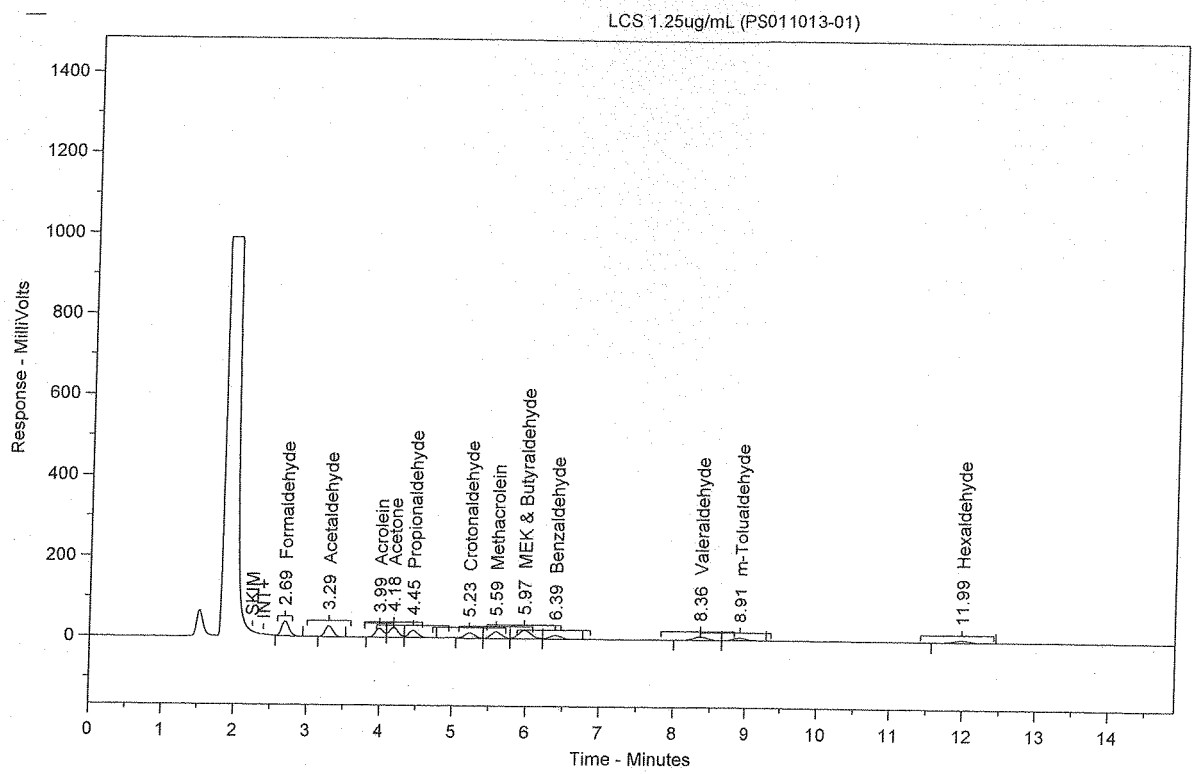
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 37
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	0.0252	7.313	16193	12.145	BB	0.17
2	3.30	Acetaldehyde	0.0139	4.039	7345	5.509	BB	0.13
3	4.20	Acetone	0.1538	44.687	64036	48.029	SBB	0.13
4	4.45	Propionaldehyde	0.0047	1.360	1936	1.452	TBB	0.13
5	4.96	Crotonaldehyde	0.0077	2.250	2944	2.208	BB	0.32
6	6.13	MEK & Butyraldehyde	0.0716	20.792	23163	17.373	BV	0.21
7	6.40	Benzaldehyde	0.0160	4.656	4239	3.179	VB	0.18
8	8.28	Valeraldehyde	0.0303	8.817	8470	6.353	BB	0.28
9	11.97	Hexaldehyde	0.0209	6.085	5003	3.753	BB	0.29

Total Area = 133328.5 Total Height = 13883.58 Total Amount = 0.344124

HP
06/19/13



Sample Name = **LCS 1.25ug/mL (PS011013-01)** #2 HP 06/19/13 Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0038.RAW**
Date Taken (end) = 6/18/2013 6:26:32 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

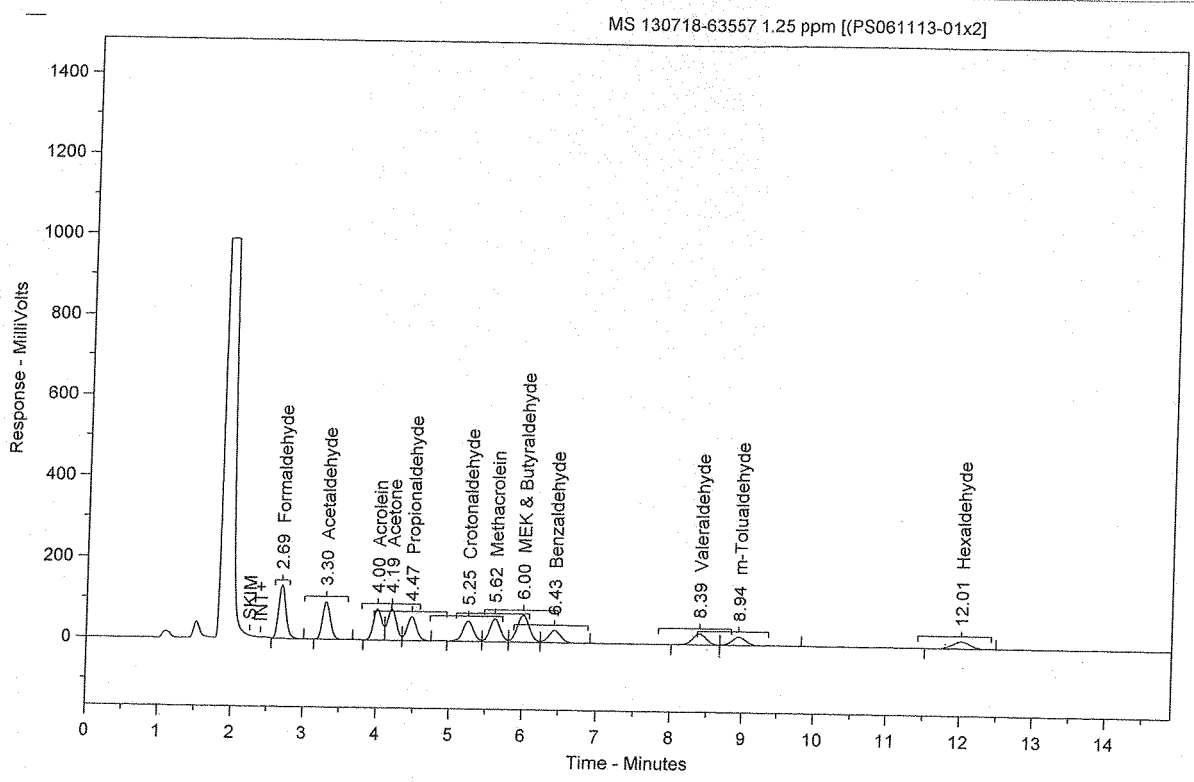
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 38
Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.69	Formaldehyde	0.4014	7.563	258267	12.841	BB	0.11
2	3.29	Acetaldehyde	0.3954	7.451	208946	10.389	BB	0.12
3	3.99	Acrolein	0.3906	7.360	187136	9.304	BV	0.15
4	4.18	Acetone	0.5287	9.963	220168	10.947	VV	0.13
5	4.45	Propionaldehyde	0.3917	7.381	161960	8.053	VB	0.14
6	5.23	Crotonaldehyde	0.3660	6.898	139153	6.919	BV	0.15
7	5.59	Methacrolein	0.4310	8.121	173293	8.616	VV	0.15
8	5.97	MEK & Butyraldehyde	0.7859	14.809	254409	12.649	VV	0.18
9	6.39	Benzaldehyde	0.3973	7.487	105107	5.226	VB	0.18
10	8.36	Valeraldehyde	0.4182	7.880	116746	5.805	BV	0.21
11	8.91	m-Tolualdehyde	0.3924	7.394	88550	4.403	VB	0.22
12	11.99	Hexaldehyde	0.4083	7.693	97544	4.850	BB	0.27

Total Area = 2011280 Total Height = 211102.4 Total Amount = 5.306813



Sample Name = **MS 130718-63557 1.25 ppm [(PS061113-01x2]** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0039.RAW**
Date Taken (end) = 6/18/2013 6:43:10 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

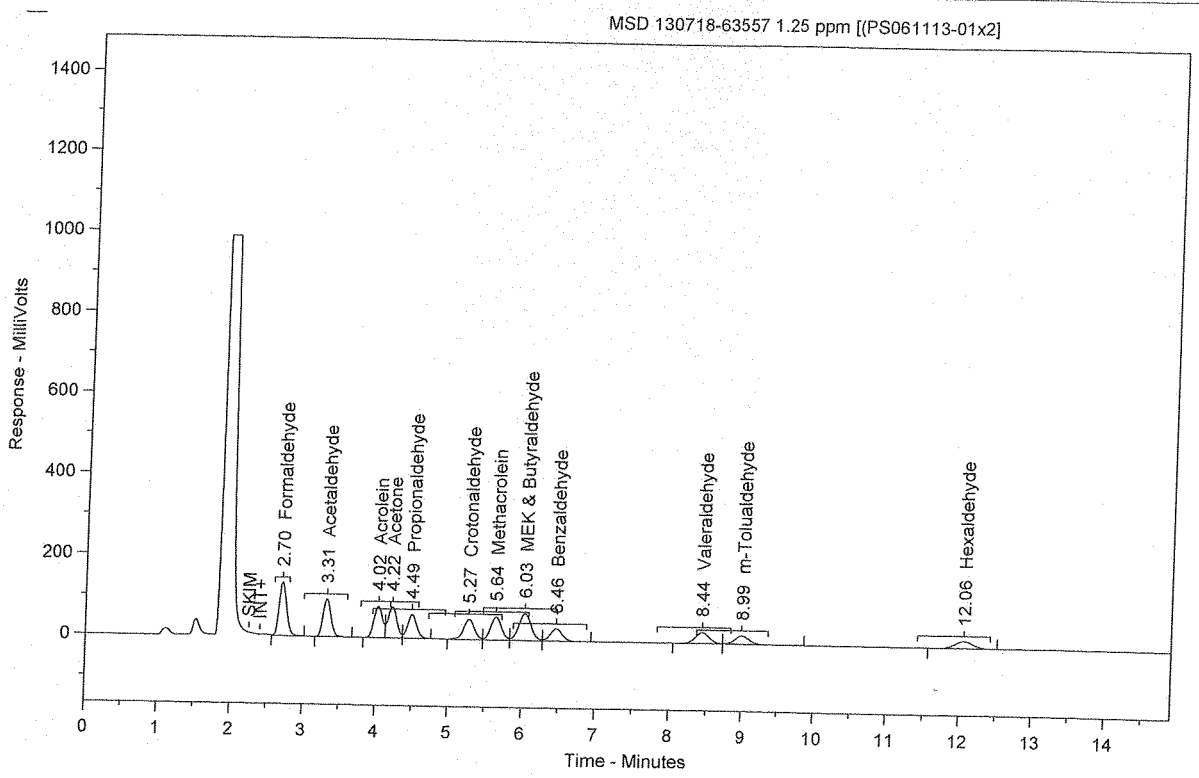
Run Time = 14.89889
Injection Volume = 10

Vial Number = 39
Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.69	Formaldehyde	1.4335	8.220	922434	13.841	BB	0.11
2	3.30	Acetaldehyde	1.3431	7.702	709726	10.649	BB	0.12
3	4.00	Acrolein	1.3127	7.528	628955	9.437	BV	0.14
4	4.19	Acetone	1.6102	9.234	670526	10.061	VV	0.13
5	4.47	Propionaldehyde	1.2958	7.431	535795	8.040	VB	0.14
6	5.25	Crotonaldehyde	1.3643	7.824	518664	7.783	BV	0.16
7	5.62	Methacrolein	1.4532	8.333	584332	8.768	VV	0.15
8	6.00	MEK & Butyraldehyde	2.3987	13.755	776510	11.652	VV	0.18
9	6.43	Benzaldehyde	1.3071	7.495	345758	5.188	VB	0.18
10	8.39	Valeraldehyde	1.3072	7.496	364928	5.476	BV	0.21
11	8.94	m-Tolualdehyde	1.3149	7.540	296728	4.452	VB	0.22
12	12.01	Hexaldehyde	1.2978	7.442	310081	4.653	BB	0.27

Total Area = 6664436 Total Height = 706718.1 Total Amount = 17.43845

HP
06/19/13



Sample Name = **MSD 130718-63557 1.25 ppm [(PS061113-01x2]** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0040.RAW**
Date Taken (end) = 6/18/2013 6:59:46 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

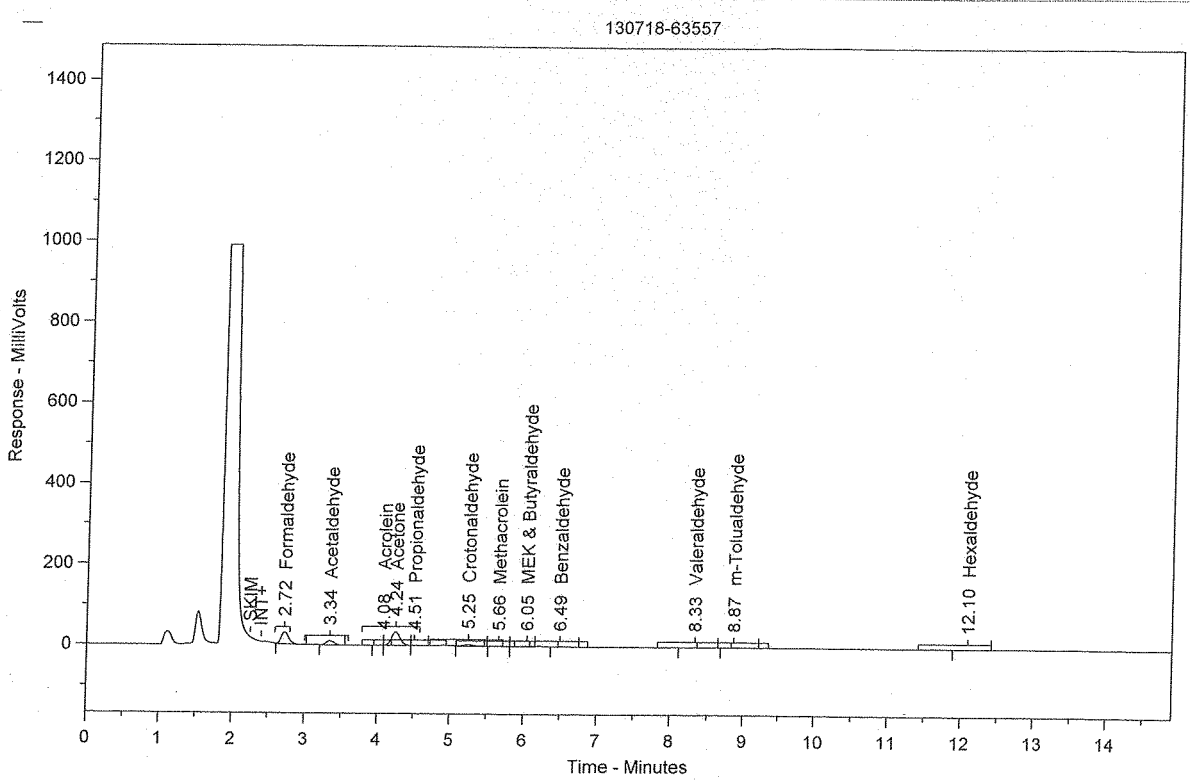
Run Time = 14.89889
Injection Volume = 10

Vial Number = 40
Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	1.4423	8.208	928102	13.822	BB	0.11
2	3.31	Acetaldehyde	1.3527	7.698	714775	10.645	BB	0.12
3	4.02	Acrolein	1.3174	7.497	631203	9.400	BV	0.14
4	4.22	Acetone	1.6173	9.204	673485	10.030	VV	0.13
5	4.49	Propionaldehyde	1.3070	7.438	540413	8.048	VB	0.14
6	5.27	Crotonaldehyde	1.3815	7.862	525183	7.822	BV	0.16
7	5.64	Methacrolein	1.4628	8.325	588210	8.760	VV	0.15
8	6.03	MEK & Butyraldehyde	2.4336	13.849	787827	11.733	VV	0.18
9	6.46	Benzaldehyde	1.3234	7.531	350089	5.214	VB	0.18
10	8.44	Valeraldehyde	1.3122	7.468	366339	5.456	BV	0.21
11	8.99	m-Tolualdehyde	1.3170	7.495	297202	4.426	VB	0.22
12	12.06	Hexaldehyde	1.3049	7.426	311766	4.643	BB	0.27

Total Area = 6714594 Total Height = 709741.5 Total Amount = 17.57211

MP
06/19/13



Sample Name = **130718-63557**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0041.RAW**
Date Taken (end) = 6/18/2013 7:16:21 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

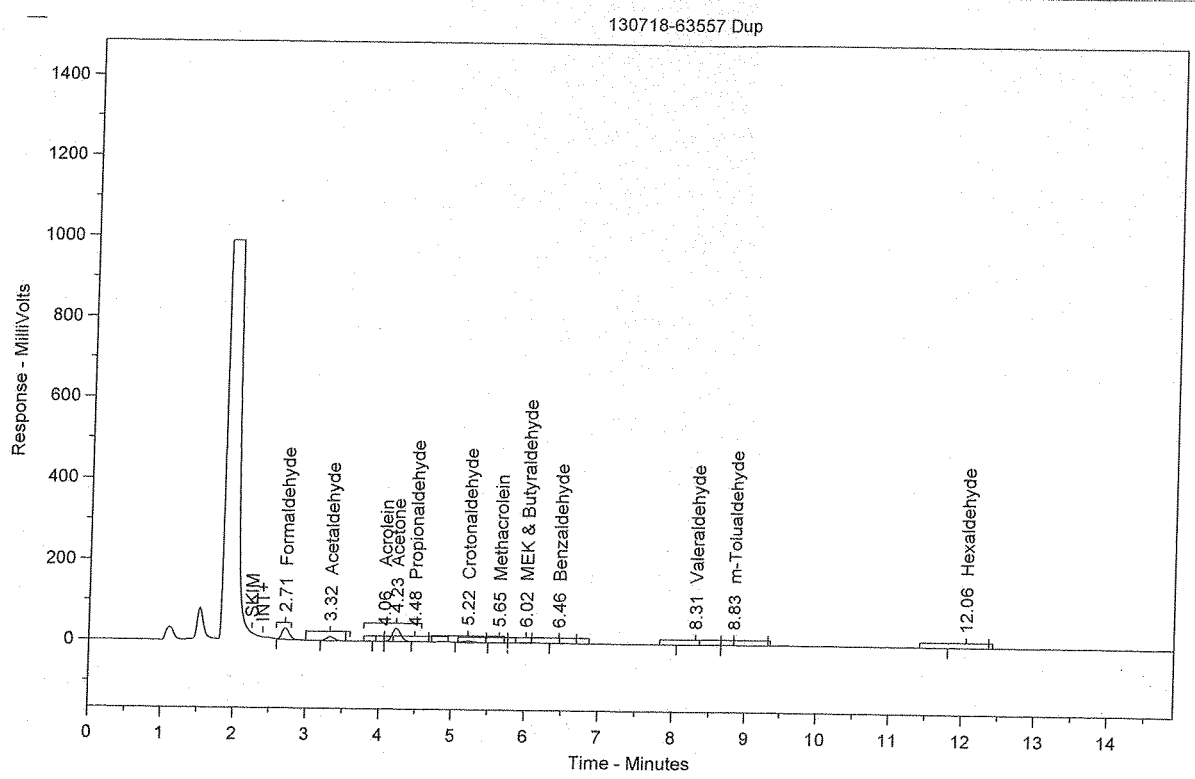
Vial Number = 41
Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.72	Formaldehyde	0.3063	21.278	197064	29.922	BB	0.11
2	3.34	Acetaldehyde	0.1425	9.898	75280	11.431	BB	0.12
3	4.08	Acrolein	0.0044	0.304	2096	0.318	BV	0.07
4	4.24	Acetone	0.6847	47.570	285100	43.290	VV	0.13
5	4.51	Propionaldehyde	0.0231	1.607	9561	1.452	VB	0.13
6	5.25	Crotonaldehyde	0.1053	7.317	40036	6.079	BB	0.18
7	5.66	Methacrolein	0.0114	0.794	4593	0.697	BV	0.14
8	6.05	MEK & Butyraldehyde	0.0523	3.634	16931	2.571	VB	0.19
9	6.49	Benzaldehyde	0.0424	2.949	11229	1.705	BB	0.19
10	8.33	Valeraldehyde	0.0258	1.796	7215	1.095	BV	0.29
11	8.87	m-Tolualdehyde	0.0249	1.733	5629	0.855	VB	0.27
12	12.10	Hexaldehyde	0.0161	1.120	3853	0.585	BB	0.28

Total Area = 658585.4

Total Height = 80843.8

Total Amount = 1.43926



Sample Name = **130718-63557 Dup**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0042.RAW**
Date Taken (end) = 6/18/2013 7:32:57 PM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0042.BND
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0042.BND
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 42
Dilution Factor = 1

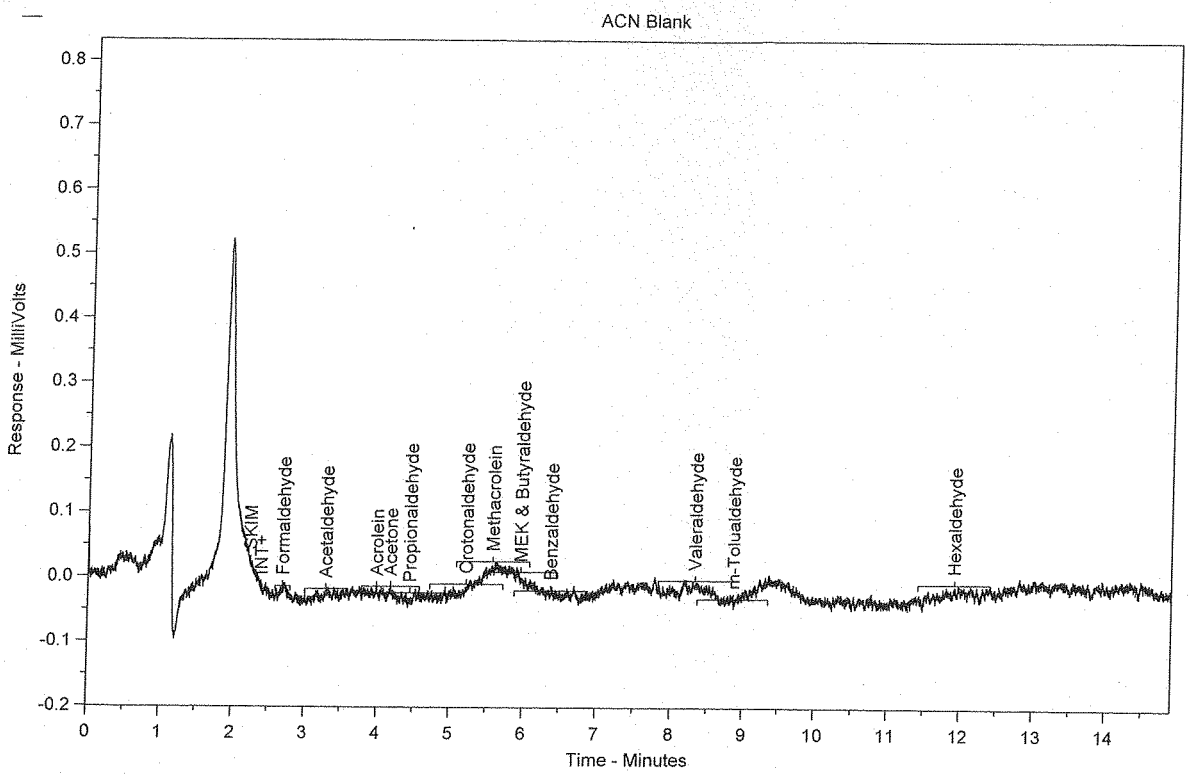
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	0.3021	21.353	194403	30.008	BB	0.11
2	3.32	Acetaldehyde	0.1411	9.970	74537	11.505	BB	0.12
3	4.06	Acrolein	0.0046	0.325	2201	0.340	BV	0.08
4	4.23	Acetone	0.6717	47.472	279693	43.173	SBB	0.13
5	4.48	Propionaldehyde	0.0224	1.585	9271	1.431	TBB	0.12
6	5.22	Crotonaldehyde	0.1001	7.072	38039	5.872	BB	0.18
7	5.65	Methacrolein	0.0112	0.794	4520	0.698	BV	0.15
8	6.02	MEK & Butyraldehyde	0.0561	3.966	18165	2.804	VB	0.18
9	6.46	Benzaldehyde	0.0405	2.860	10703	1.652	BB	0.19
10	8.31	Valeraldehyde	0.0260	1.834	7246	1.118	BV	0.31
11	8.83	m-Tolualdehyde	0.0224	1.583	5053	0.780	VB	0.30
12	12.06	Hexaldehyde	0.0168	1.187	4014	0.620	BB	0.31

Total Area = 647845.4

Total Height = 79492.16

Total Amount = 1.41488

HR
06/19/13



Sample Name = **ACN Blank** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0044.RAW**
Date Taken (end) = 6/18/2013 8:06:06 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

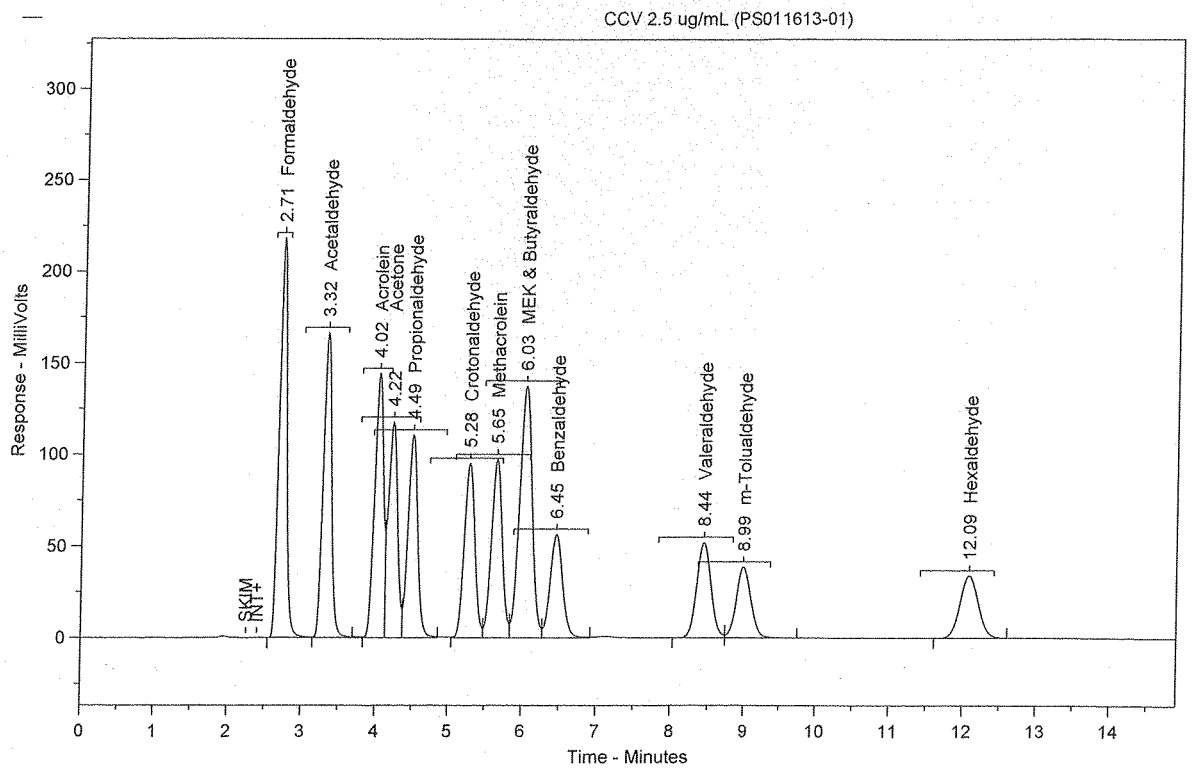
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 44
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0 Total Height = 0 Total Amount = 0

HP
06/19/13



Sample Name = **CCV 2.5 ug/mL (PS011613-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0045.RAW**
Date Taken (end) = 6/18/2013 8:22:41 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

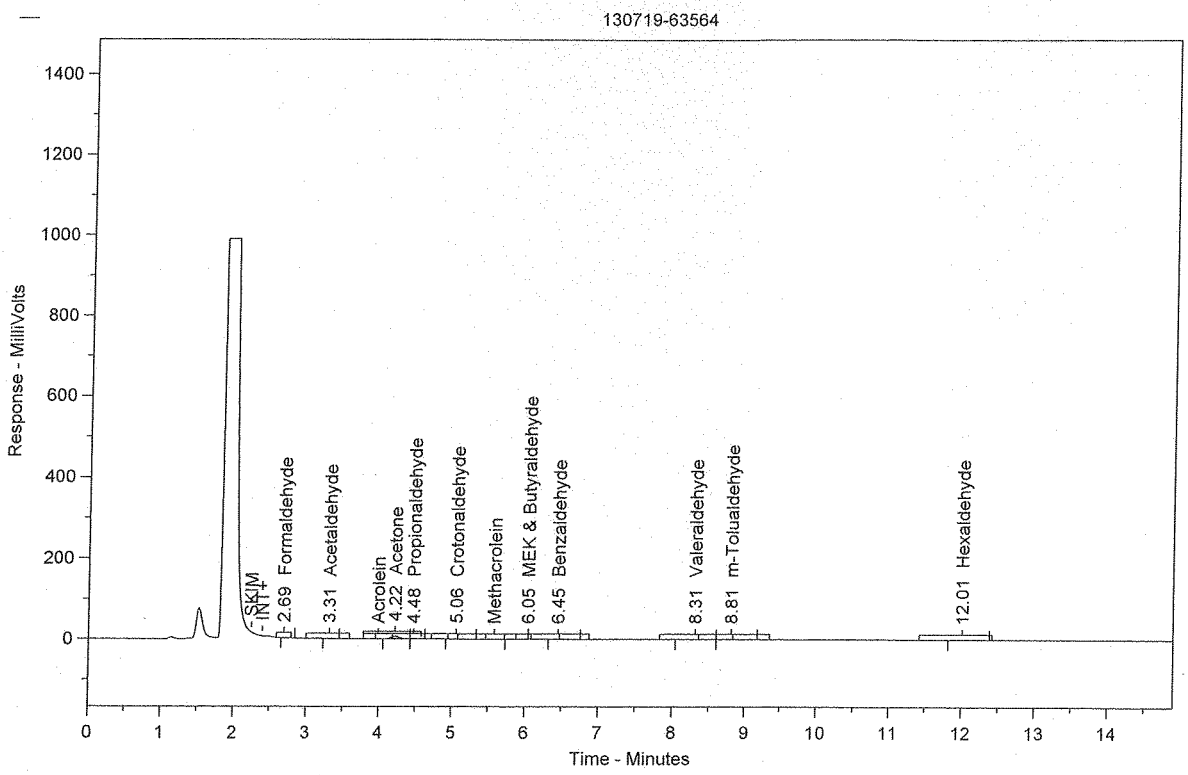
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 45
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	2.4634	7.670	1585114	13.038	SBB	0.11
2	3.32	Acetaldehyde	2.4736	7.702	1307067	10.751	TBV	0.12
3	4.02	Acrolein	2.4838	7.734	1190079	9.789	TVV	0.14
4	4.22	Acetone	2.4749	7.706	1030588	8.477	TVV	0.14
5	4.49	Propionaldehyde	2.4653	7.676	1019399	8.385	TVB	0.14
6	5.28	Crotonaldehyde	2.4747	7.705	940780	7.738	BV	0.15
7	5.65	Methacrolein	2.4815	7.726	997806	8.208	VV	0.15
8	6.03	MEK & Butyraldehyde	4.9523	15.419	1603191	13.187	VV	0.18
9	6.45	Benzaldehyde	2.4693	7.688	653199	5.373	VB	0.18
10	8.44	Valeraldehyde	2.4706	7.692	689744	5.674	BV	0.21
11	8.99	m-Tolualdehyde	2.4515	7.633	553230	4.551	VB	0.22
12	12.09	Hexaldehyde	2.4570	7.650	587036	4.829	BB	0.27

Total Area = 1.215723E+07 Total Height = 1267024 Total Amount = 32.11786

HP
06/19/13



Sample Name = **130719-63564** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0046.RAW**
Date Taken (end) = 6/18/2013 8:39:15 PM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0046.BND
Method Description=TO-11A Carbonyls

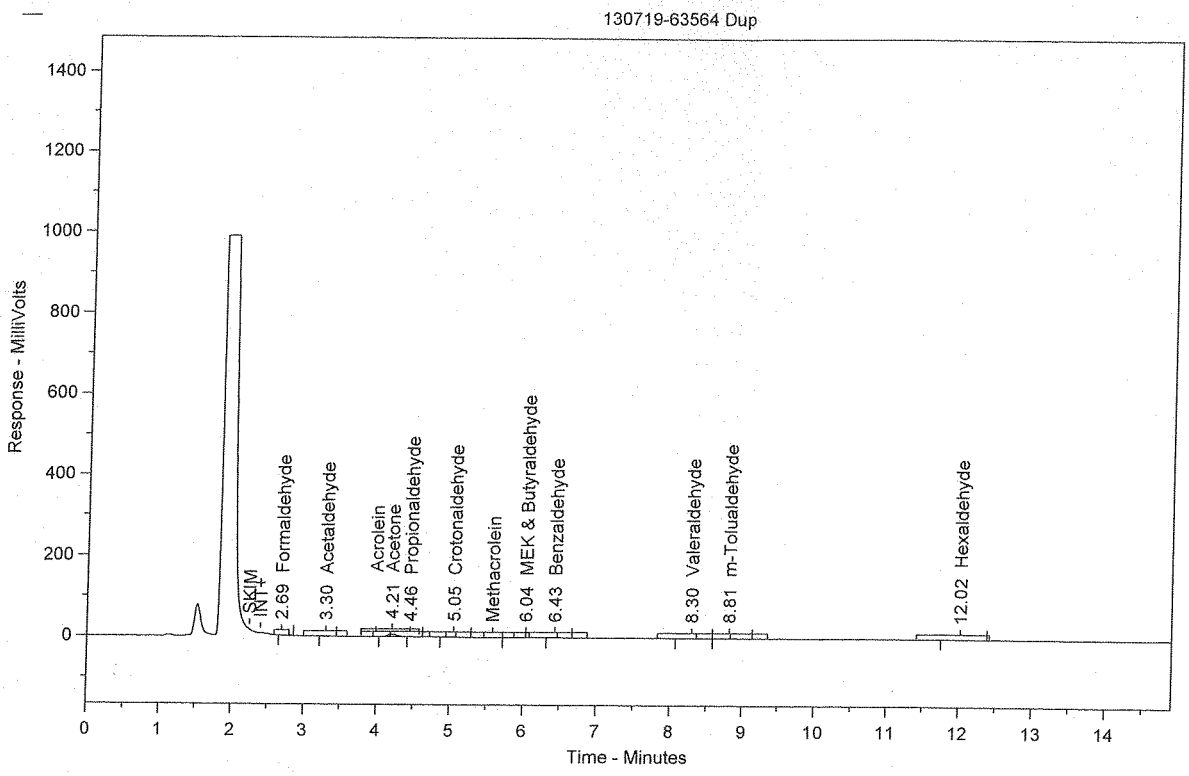
Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0046.BND
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 46
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.69	Formaldehyde	0.0032	1.161	2079	2.110	BB	0.13
2	3.31	Acetaldehyde	0.0088	3.175	4670	4.740	BB	0.15
3	4.22	Acetone	0.1254	45.036	52200	52.975	BV	0.13
4	4.48	Propionaldehyde	0.0050	1.795	2066	2.097	VB	0.12
5	5.06	Crotonaldehyde	0.0154	5.542	5865	5.952	BB	0.25
6	6.05	MEK & Butyraldehyde	0.0163	5.859	5279	5.358	BB	0.13
7	6.45	Benzaldehyde	0.0365	13.102	9647	9.790	BB	0.22
8	8.31	Valeraldehyde	0.0240	8.624	6702	6.801	BV	0.23
9	8.81	m-Tolualdehyde	0.0314	11.279	7085	7.190	VB	0.25
10	12.01	Hexaldehyde	0.0123	4.428	2945	2.988	BB	0.28

Total Area = 98537.8 Total Height = 10262.49 Total Amount = 0.2783479

HP
06/19/13



Sample Name = **130719-63564 Dup** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0047.RAW**
Date Taken (end) = 6/18/2013 8:55:49 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

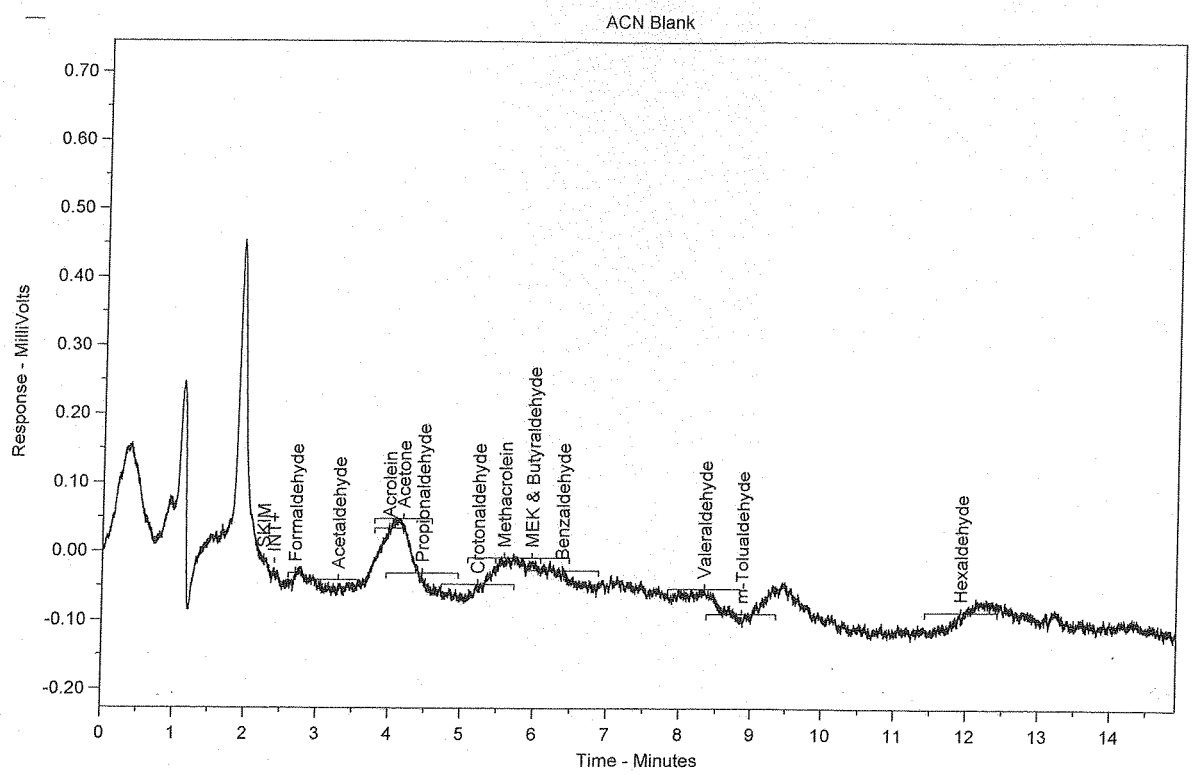
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 47
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.69	Formaldehyde	0.0033	1.153	2120	2.091	BB	0.14
2	3.30	Acetaldehyde	0.0090	3.137	4736	4.671	BB	0.15
3	4.21	Acetone	0.1291	45.191	53775	53.031	SBB	0.13
4	4.46	Propionaldehyde	0.0056	1.967	2324	2.292	TBB	0.12
5	5.05	Crotonaldehyde	0.0150	5.235	5686	5.608	BB	0.29
6	6.04	MEK & Butyraldehyde	0.0204	7.150	6615	6.523	BB	0.19
7	6.43	Benzaldehyde	0.0339	11.880	8980	8.856	BB	0.21
8	8.30	Valeraldehyde	0.0244	8.535	6809	6.715	BV	0.23
9	8.81	m-Tolualdehyde	0.0301	10.527	6788	6.694	VB	0.25
10	12.02	Hexaldehyde	0.0149	5.225	3568	3.518	BB	0.30

Total Area = 101401.9 Total Height = 10373.9 Total Amount = 0.2857572

HP
06/19/13



Sample Name = **ACN Blank**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0055.RAW**
Date Taken (end) = 6/18/2013 11:08:32 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 55
Dilution Factor = 1

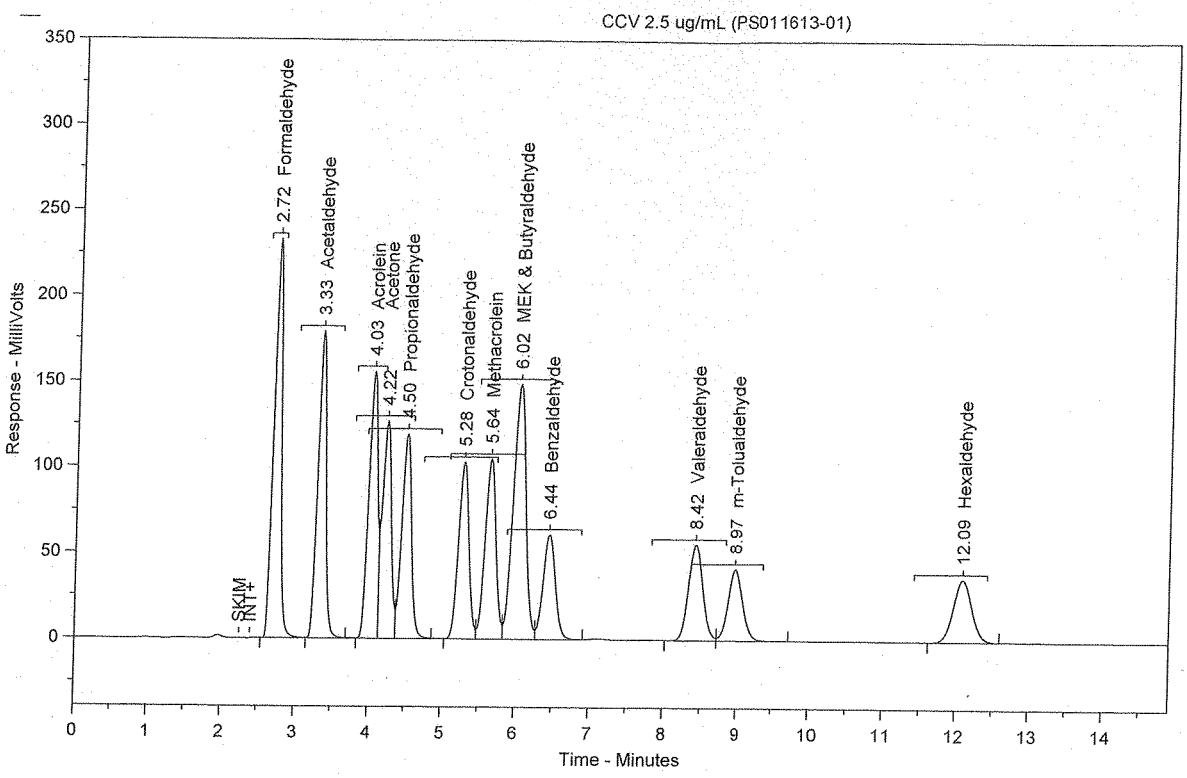
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0

Total Height = 0

Total Amount = 0

HP
06/19/13



Sample Name = **CCV 2.5 ug/mL (PS011613-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0056.RAW**
Date Taken (end) = 6/18/2013 11:25:06 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

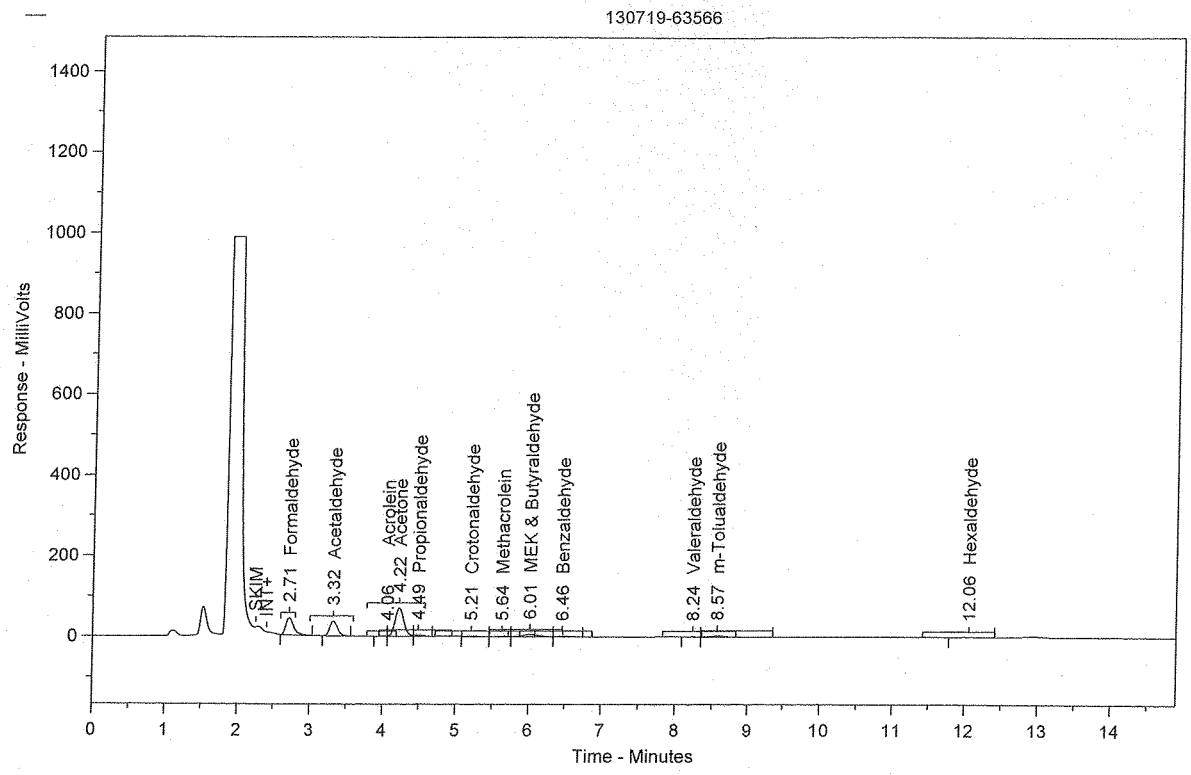
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 56
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.72	Formaldehyde	2.6265	7.585	1690104	12.905	SBB	0.11
2	3.33	Acetaldehyde	2.6633	7.691	1407319	10.746	TBV	0.12
3	4.03	Acrolein	2.6803	7.740	1284191	9.806	TVV	0.14
4	4.22	Acetone	2.6632	7.691	1109017	8.468	TVV	0.13
5	4.50	Propionaldehyde	2.6606	7.684	1100149	8.400	TVB	0.14
6	5.28	Crotonaldehyde	2.6790	7.737	1018435	7.777	BV	0.15
7	5.64	Methacrolein	2.6738	7.722	1075138	8.210	VV	0.15
8	6.02	MEK & Butyraldehyde	5.3443	15.434	1730096	13.211	VV	0.18
9	6.44	Benzaldehyde	2.6702	7.711	706366	5.394	VB	0.18
10	8.42	Valeraldehyde	2.6652	7.697	744079	5.682	BV	0.21
11	8.97	m-Tolualdehyde	2.6460	7.642	597132	4.560	VB	0.22
12	12.09	Hexaldehyde	2.6544	7.666	634205	4.843	BB	0.27

Total Area = 1.309623E+07 Total Height = 1366887 Total Amount = 34.62698

HP 06/19/13



Sample Name = **130719-63566** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0057.RAW**
Date Taken (end) = 6/18/2013 11:41:40 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

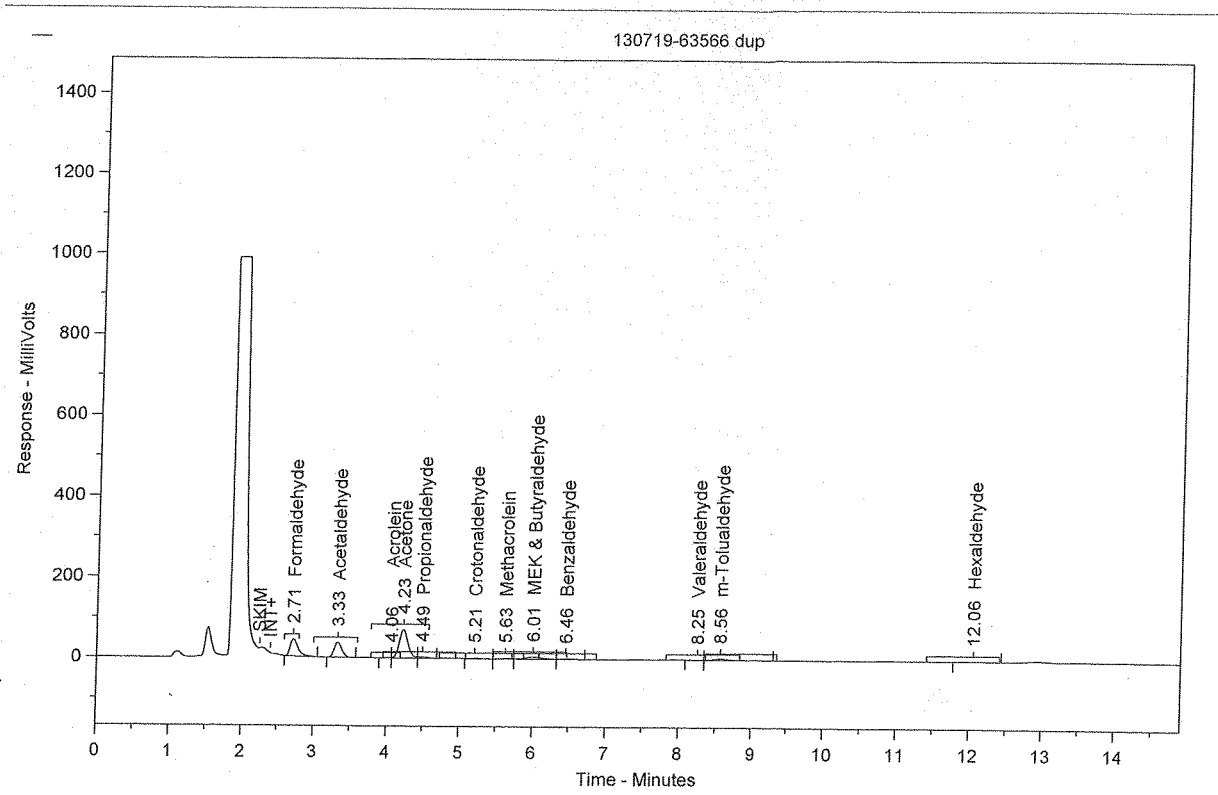
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 57
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	0.4980	15.025	320454	22.078	BB	0.12
2	3.32	Acetaldehyde	0.5249	15.837	277367	19.110	BB	0.12
3	4.06	Acrolein	0.0102	0.308	4890	0.337	BV	0.09
4	4.22	Acetone	1.4395	43.429	599417	41.297	VV	0.13
5	4.49	Propionaldehyde	0.0774	2.334	31993	2.204	VB	0.14
6	5.21	Crotonaldehyde	0.0437	1.319	16622	1.145	BB	0.23
7	5.64	Methacrolein	0.0311	0.939	12509	0.862	BV	0.16
8	6.01	MEK & Butyraldehyde	0.2713	8.186	87834	6.051	VV	0.21
9	6.46	Benzaldehyde	0.0576	1.737	15229	1.049	VB	0.19
10	8.24	Valeraldehyde	0.0583	1.759	16273	1.121	BV	0.18
11	8.57	m-Tolualdehyde	0.2577	7.774	58146	4.006	VB	0.27
12	12.06	Hexaldehyde	0.0449	1.355	10727	0.739	BB	0.29

Total Area = 1451462 Total Height = 167167.6 Total Amount = 3.314532

HP
06/19/13



Sample Name = **130719-63566 dup**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0058.RAW**
Date Taken (end) = 6/18/2013 11:58:14 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 58
Dilution Factor = 1

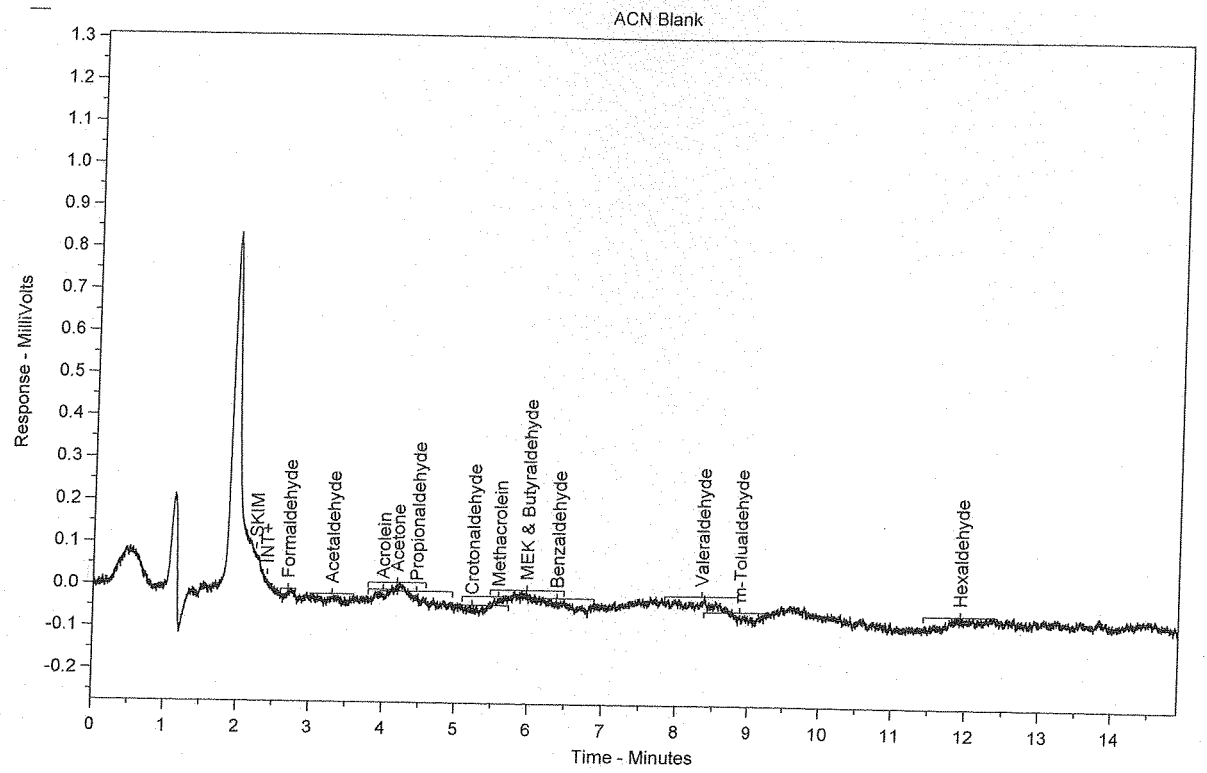
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	0.4947	14.920	318352	21.956	BB	0.12
2	3.33	Acetaldehyde	0.5218	15.736	275714	19.015	BB	0.12
3	4.06	Acrolein	0.0098	0.296	4708	0.325	BV	0.09
4	4.23	Acetone	1.4376	43.355	598653	41.288	VV	0.13
5	4.49	Propionaldehyde	0.0775	2.338	32058	2.211	VB	0.14
6	5.21	Crotonaldehyde	0.0414	1.248	15735	1.085	BB	0.24
7	5.63	Methacrolein	0.0306	0.923	12303	0.848	BV	0.17
8	6.01	MEK & Butyraldehyde	0.2843	8.572	92021	6.346	VV	0.22
9	6.46	Benzaldehyde	0.0611	1.844	16173	1.115	VB	0.19
10	8.25	Valeraldehyde	0.0576	1.737	16076	1.109	BV	0.18
11	8.56	m-Tolualdehyde	0.2550	7.689	57541	3.968	VB	0.27
12	12.06	Hexaldehyde	0.0445	1.341	10626	0.733	BB	0.28

Total Area = 1449959

Total Height = 167735.7

Total Amount = 3.315923

HP
06/19/13



Sample Name = **ACN Blank**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0066.RAW**
Date Taken (end) = 6/19/2013 2:10:56 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 66
Dilution Factor = 1

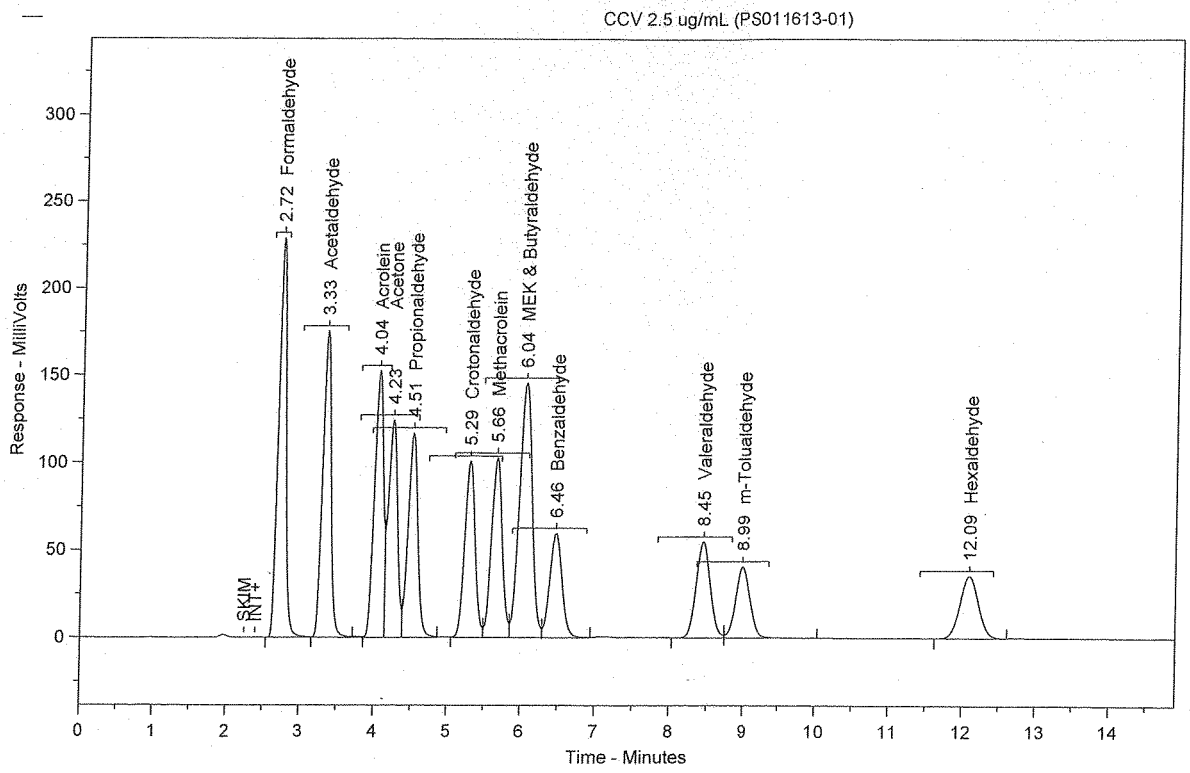
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0

Total Height = 0

Total Amount = 0

HP
06/19/13



Sample Name = **CCV 2.5 ug/mL (PS011613-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0067.RAW**
Date Taken (end) = 6/19/2013 2:27:30 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

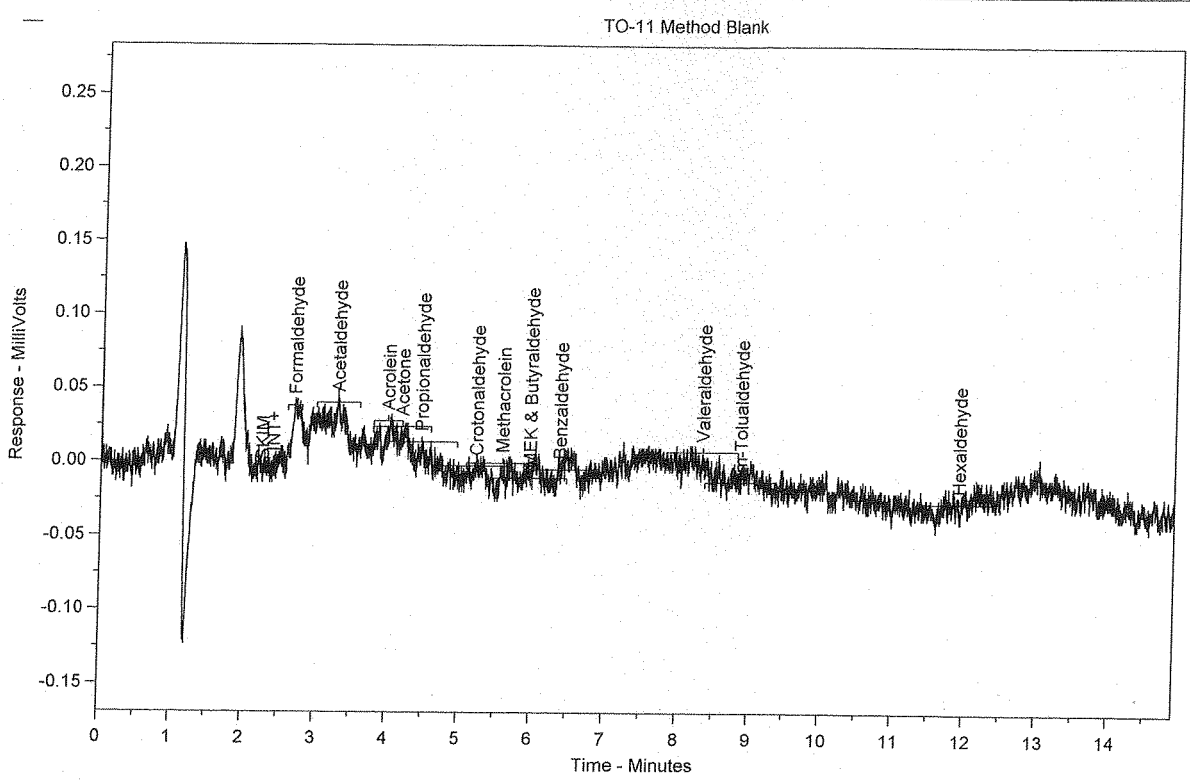
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 67
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.72	Formaldehyde	2.5959	7.654	1670366	13.013	SBB	0.11
2	3.33	Acetaldehyde	2.6165	7.715	1382572	10.771	TBV	0.12
3	4.04	Acrolein	2.6332	7.764	1261635	9.829	TVV	0.14
4	4.23	Acetone	2.6031	7.675	1083959	8.445	TVV	0.13
5	4.51	Propionaldehyde	2.5967	7.656	1073694	8.365	TVB	0.14
6	5.29	Crotonaldehyde	2.6204	7.726	996156	7.761	BV	0.15
7	5.66	Methacrolein	2.6081	7.690	1048708	8.170	VV	0.15
8	6.04	MEK & Butyraldehyde	5.2416	15.455	1696829	13.220	VV	0.18
9	6.46	Benzaldehyde	2.6114	7.700	690800	5.382	VB	0.18
10	8.45	Valeraldehyde	2.6026	7.674	726592	5.661	BV	0.20
11	8.99	m-Tolualdehyde	2.5972	7.658	586108	4.566	VB	0.22
12	12.09	Hexaldehyde	2.5881	7.631	618357	4.817	BB	0.27

Total Area = 1.283578E+07 Total Height = 1338275 Total Amount = 33.91449

HP
06/19/13



Sample Name = **TO-11 Method Blank** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0068.RAW**
Date Taken (end) = 6/19/2013 2:44:04 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

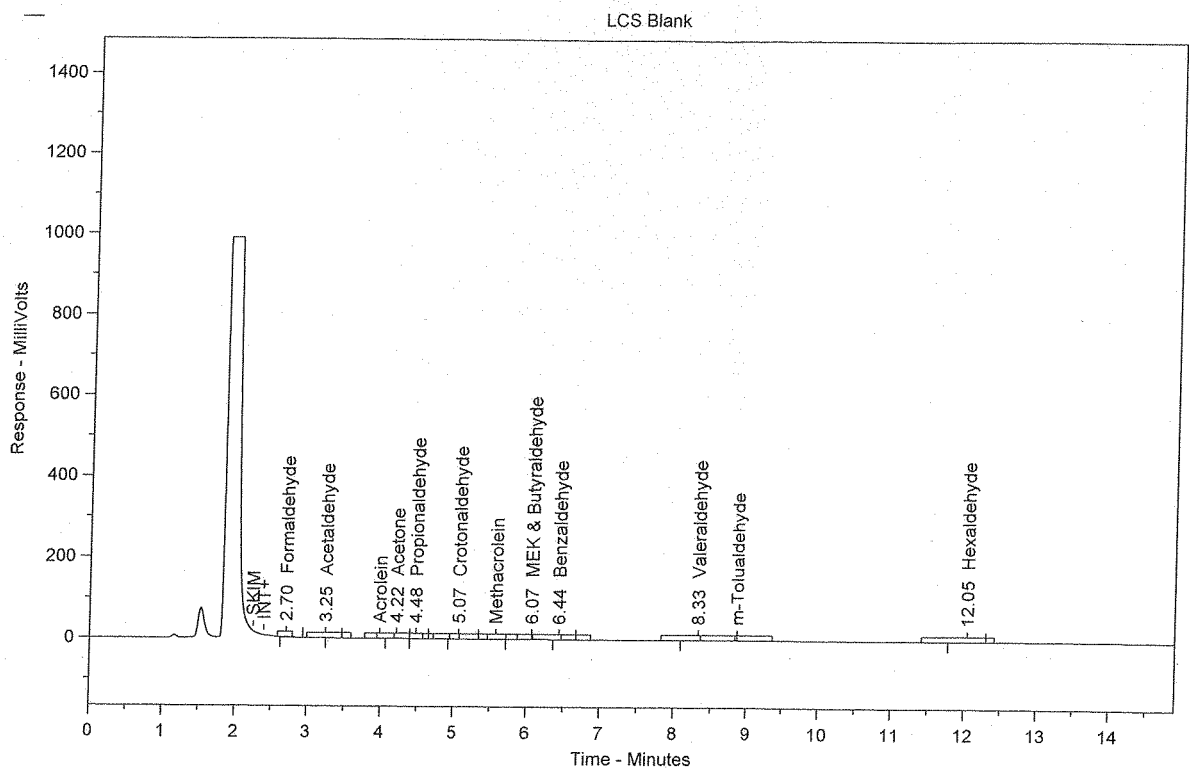
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 68
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0 Total Height = 0 Total Amount = 0

HP
06/19/13



Sample Name = **LCS Blank**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0069.RAW**
Date Taken (end) = 6/19/2013 3:00:41 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 69
Dilution Factor = 1

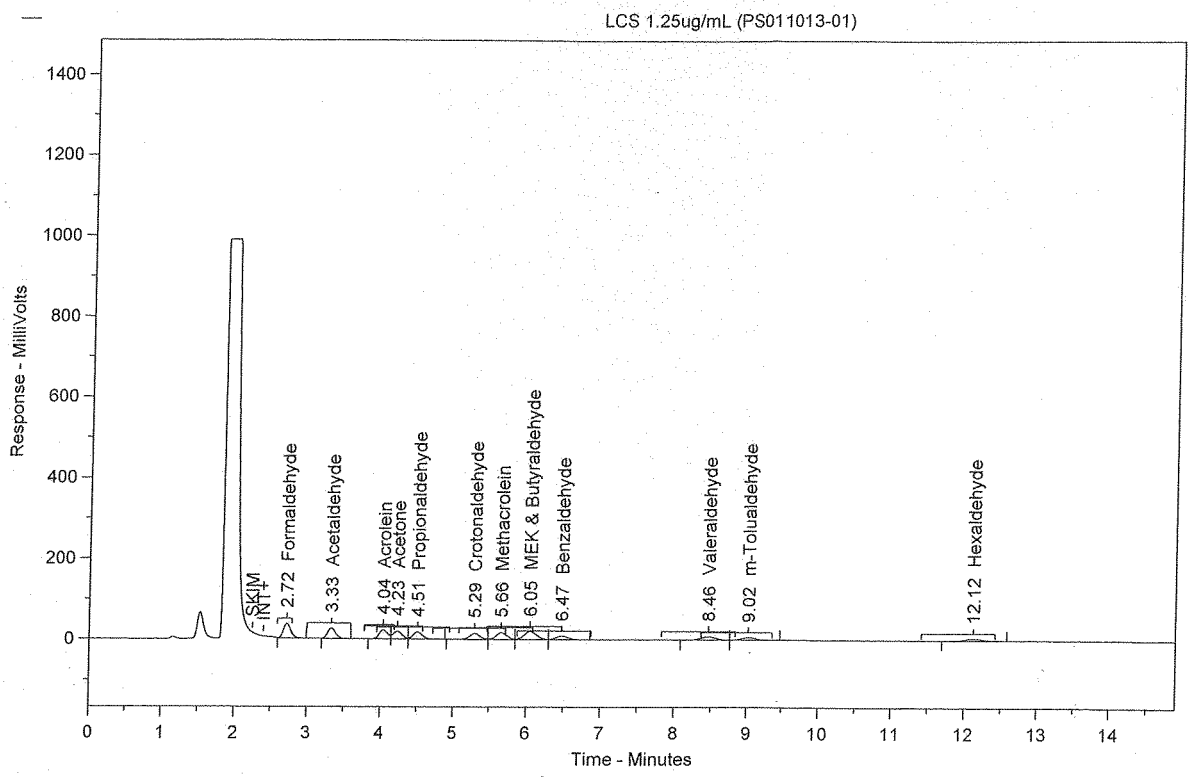
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	0.0132	10.897	8498	18.102	BB	0.17
2	3.25	Acetaldehyde	0.0108	8.877	5685	12.110	BB	0.12
3	4.22	Acetone	0.0267	22.030	11118	23.682	BV	0.13
4	4.48	Propionaldehyde	0.0045	3.684	1846	3.933	VB	0.17
5	5.07	Crotonaldehyde	0.0117	9.638	4440	9.459	BB	0.27
6	6.07	MEK & Butyraldehyde	0.0130	10.694	4195	8.937	BB	0.17
7	6.44	Benzaldehyde	0.0104	8.584	2752	5.862	BB	0.19
8	8.33	Valeraldehyde	0.0248	20.476	6928	14.758	BB	0.27
9	12.05	Hexaldehyde	0.0062	5.120	1483	3.158	BB	0.29

Total Area = 46944.91

Total Height = 4895.348

Total Amount = 0.1211922

HP
06/19/13



Sample Name = **LCS 1.25ug/mL (PS011013-01)** #3 MP 06/19/13 Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0070.RAW**
Date Taken (end) = 6/19/2013 3:17:17 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

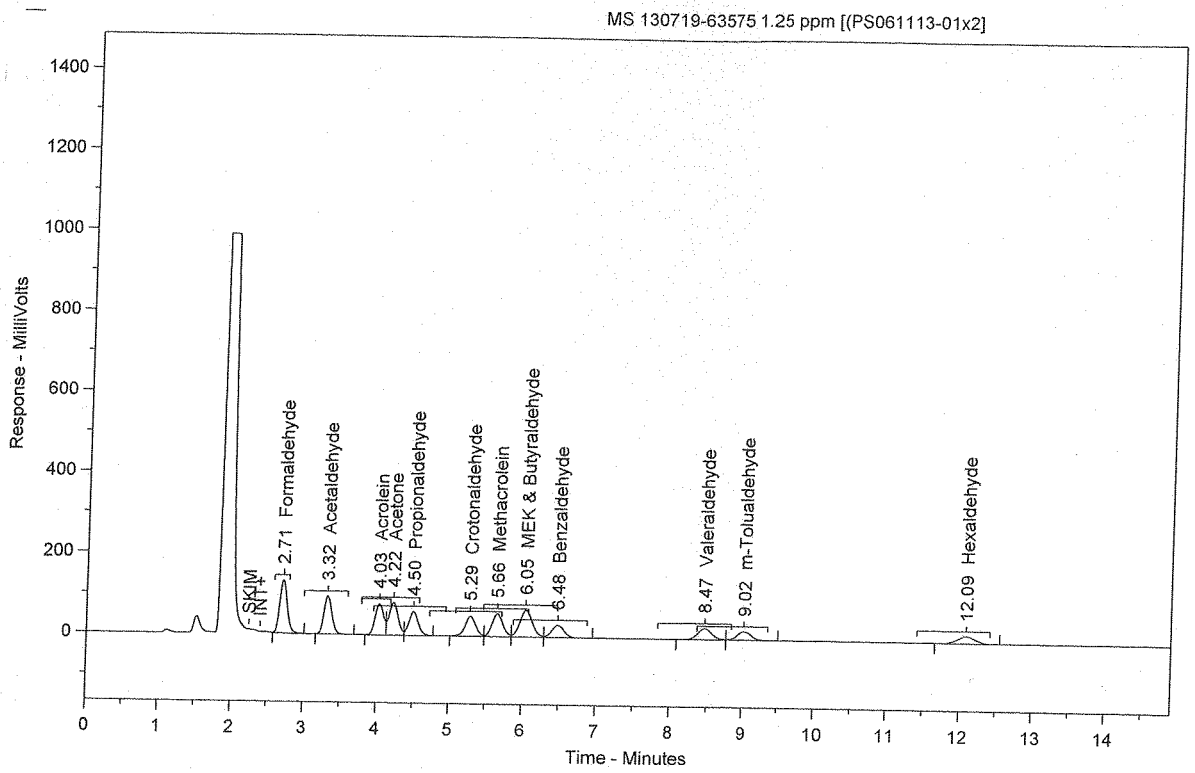
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 70
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.72	Formaldehyde	0.3857	7.693	248195	13.048	BB	0.11
2	3.33	Acetaldehyde	0.3867	7.714	204360	10.744	BB	0.12
3	4.04	Acrolein	0.3885	7.749	186152	9.786	BV	0.14
4	4.23	Acetone	0.4016	8.011	167248	8.793	VV	0.13
5	4.51	Propionaldehyde	0.3783	7.546	156434	8.224	VB	0.14
6	5.29	Crotonaldehyde	0.3842	7.663	146055	7.678	BV	0.15
7	5.66	Methacrolein	0.4228	8.432	169999	8.937	VV	0.15
8	6.05	MEK & Butyraldehyde	0.7232	14.425	234133	12.309	VV	0.18
9	6.47	Benzaldehyde	0.3843	7.666	101669	5.345	VB	0.18
10	8.46	Valeraldehyde	0.4011	8.001	111988	5.887	BV	0.21
11	9.02	m-Tolualdehyde	0.3761	7.501	84874	4.462	VB	0.22
12	12.12	Hexaldehyde	0.3810	7.600	91042	4.786	BB	0.27

Total Area = 1902149 Total Height = 200388.9 Total Amount = 5.013764

MP
06/19/13



Sample Name = **MS 130719-63575 1.25 ppm [(PS061113-01x2]** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0071.RAW**
Date Taken (end) = 6/19/2013 3:33:53 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

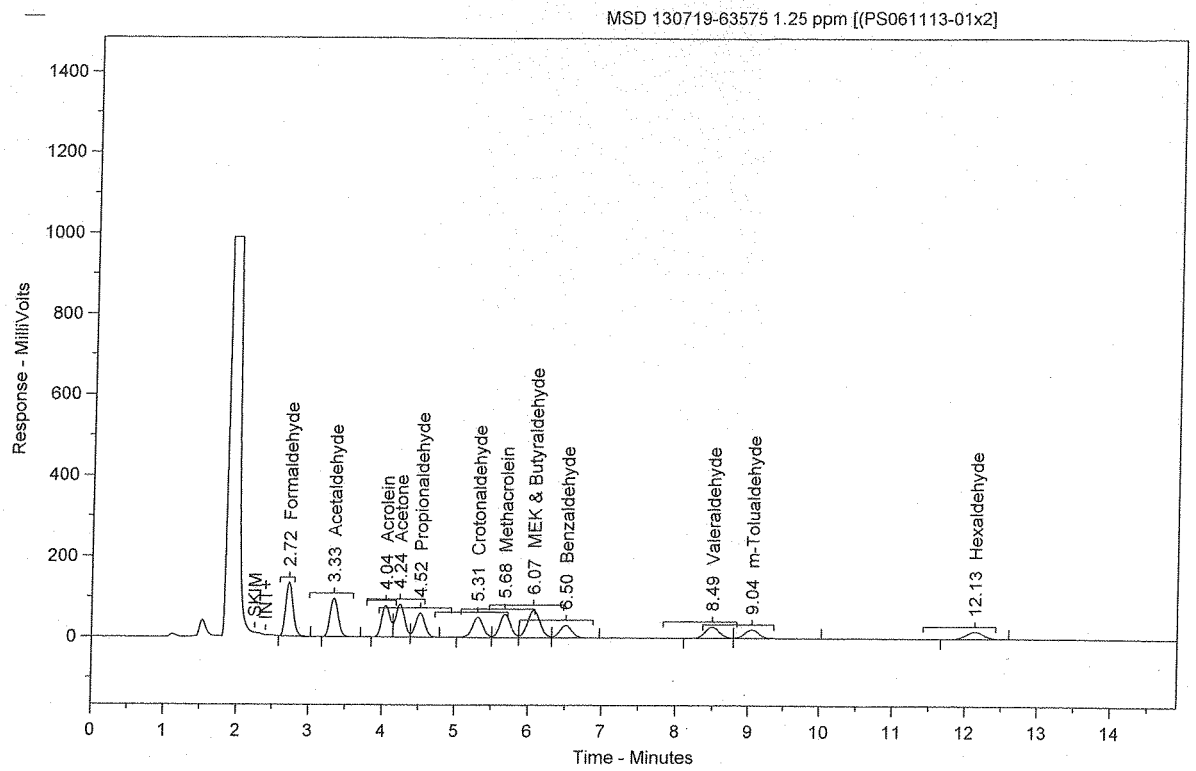
Run Time = 14.89889
Injection Volume = 10

Vial Number = 71
Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	1.4398	8.192	926455	13.778	BB	0.11
2	3.32	Acetaldehyde	1.3744	7.820	726250	10.800	BB	0.12
3	4.03	Acrolein	1.3192	7.506	632079	9.400	BV	0.14
4	4.22	Acetone	1.6817	9.568	700276	10.414	VV	0.13
5	4.50	Propionaldehyde	1.2968	7.379	536218	7.974	VB	0.14
6	5.29	Crotonaldehyde	1.3346	7.593	507349	7.545	BV	0.16
7	5.66	Methacrolein	1.4578	8.295	586190	8.717	VV	0.15
8	6.05	MEK & Butyraldehyde	2.4357	13.858	788484	11.726	VV	0.18
9	6.48	Benzaldehyde	1.3150	7.482	347859	5.173	VB	0.18
10	8.47	Valeraldehyde	1.3330	7.584	372142	5.534	BV	0.21
11	9.02	m-Tolualdehyde	1.2902	7.341	291151	4.330	VB	0.22
12	12.09	Hexaldehyde	1.2972	7.381	309937	4.609	BB	0.27

Total Area = 6724389 Total Height = 710493.8 Total Amount = 17.57527

MP
06/19/13



Sample Name = **MSD 130719-63575 1.25 ppm [(PS061113-01x2]** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0072.RAW**
Date Taken (end) = 6/19/2013 3:50:28 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

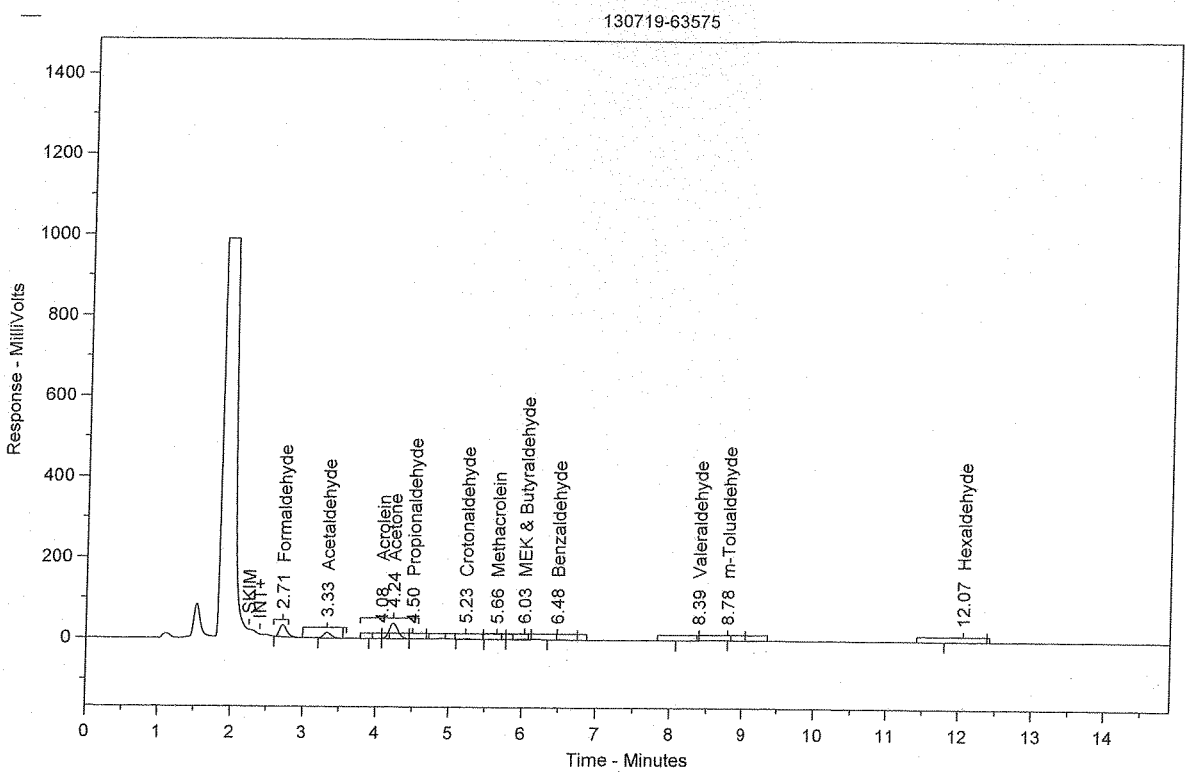
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 72
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.72	Formaldehyde	1.4617	8.150	940545	13.729	BB	0.11
2	3.33	Acetaldehyde	1.3922	7.763	735637	10.738	BB	0.12
3	4.04	Acrolein	1.3398	7.471	641946	9.371	BV	0.14
4	4.24	Acetone	1.7089	9.529	711630	10.388	VV	0.13
5	4.52	Propionaldehyde	1.3179	7.349	544955	7.955	VB	0.14
6	5.31	Crotonaldehyde	1.3534	7.546	514500	7.510	BV	0.16
7	5.68	Methacrolein	1.4888	8.302	598663	8.739	VV	0.16
8	6.07	MEK & Butyraldehyde	2.4817	13.838	803377	11.727	VV	0.18
9	6.50	Benzaldehyde	1.3415	7.480	354872	5.180	VB	0.18
10	8.49	Valeraldehyde	1.3732	7.657	383359	5.596	BV	0.21
11	9.04	m-Tolualdehyde	1.3521	7.539	305122	4.454	VB	0.22
12	12.13	Hexaldehyde	1.3228	7.376	316053	4.613	BB	0.27

Total Area = 6850660 Total Height = 722309.3 Total Amount = 17.93395

MP
06/19/13



Sample Name = **130719-63575**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0073.RAW**
Date Taken (end) = 6/19/2013 4:07:03 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 73
Dilution Factor = 1

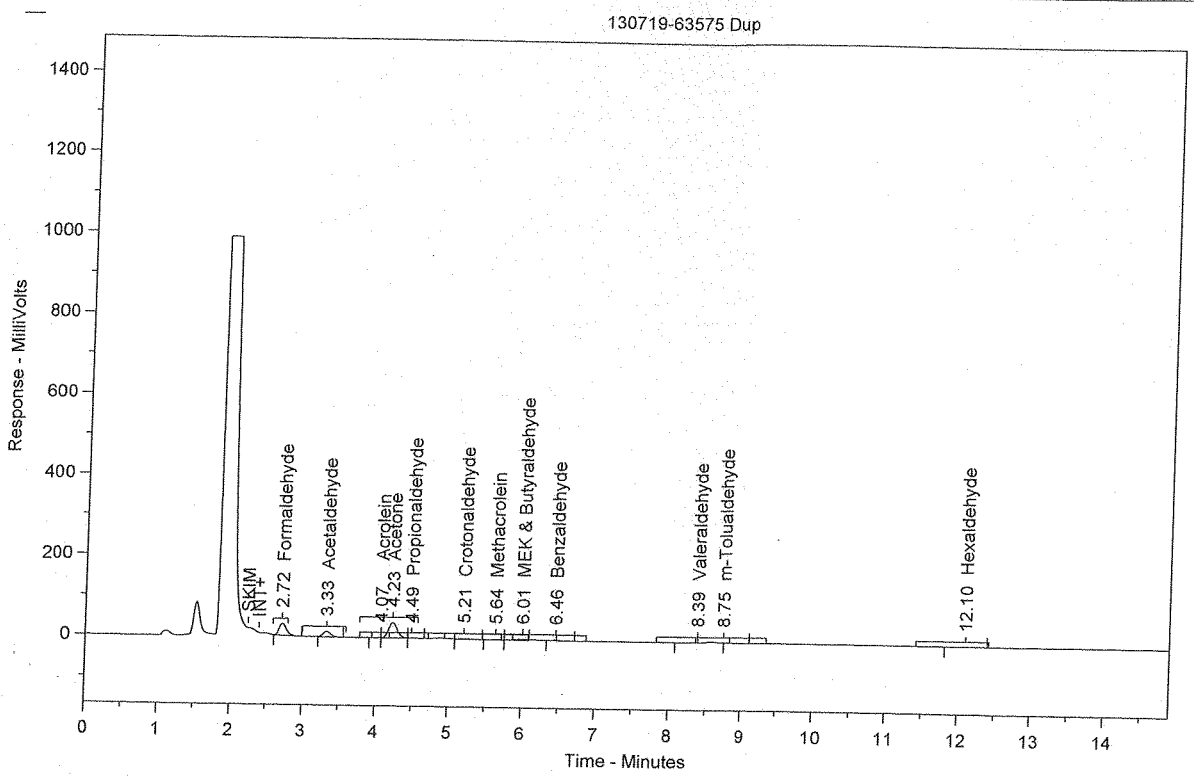
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	0.3194	20.032	205522	28.158	BB	0.11
2	3.33	Acetaldehyde	0.1955	12.261	103305	14.154	BB	0.12
3	4.08	Acrolein	0.0062	0.391	2986	0.409	BV	0.08
4	4.24	Acetone	0.7863	49.313	327419	44.859	VV	0.13
5	4.50	Propionaldehyde	0.0259	1.625	10715	1.468	VB	0.12
6	5.23	Crotonaldehyde	0.0407	2.553	15475	2.120	BB	0.23
7	5.66	Methacrolein	0.0178	1.117	7162	0.981	BV	0.16
8	6.03	MEK & Butyraldehyde	0.0823	5.159	26627	3.648	VB	0.19
9	6.48	Benzaldehyde	0.0547	3.430	14466	1.982	BB	0.19
10	8.39	Valeraldehyde	0.0204	1.282	5707	0.782	BB	0.17
11	8.78	m-Tolualdehyde	0.0233	1.461	5255	0.720	BB	0.14
12	12.07	Hexaldehyde	0.0219	1.377	5244	0.718	BB	0.28

Total Area = 729884

Total Height = 89621.77

Total Amount = 1.594457

HP
06/19/13



Sample Name = **130719-63575 Dup**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0074.RAW**
Date Taken (end) = 6/19/2013 4:23:38 AM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0074.BND
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0074.BND
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 74
Dilution Factor = 1

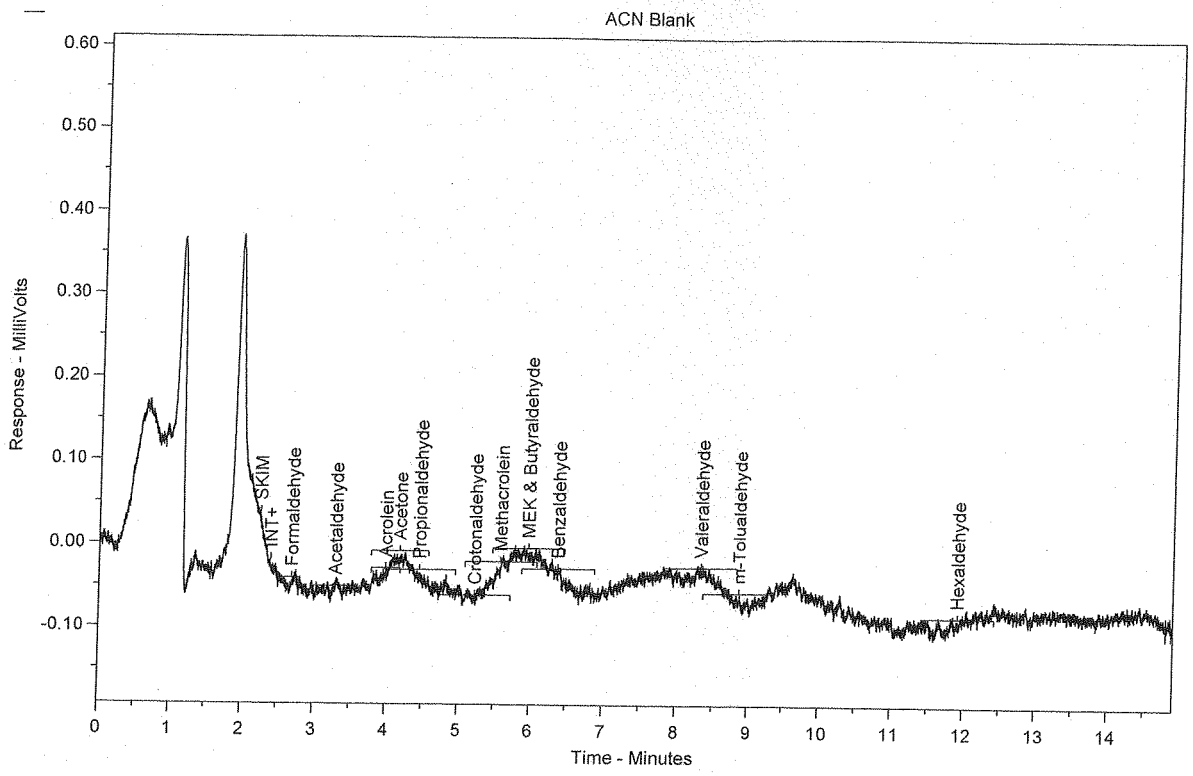
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.72	Formaldehyde	0.3155	19.827	202984	27.928	BB	0.11
2	3.33	Acetaldehyde	0.1933	12.148	102132	14.052	BB	0.12
3	4.07	Acrolein	0.0058	0.367	2794	0.384	BV	0.08
4	4.23	Acetone	0.7855	49.370	327096	45.004	VV	0.13
5	4.49	Propionaldehyde	0.0260	1.637	10768	1.482	VB	0.13
6	5.21	Crotonaldehyde	0.0383	2.407	14558	2.003	BB	0.23
7	5.64	Methacrolein	0.0178	1.117	7147	0.983	BV	0.17
8	6.01	MEK & Butyraldehyde	0.0895	5.626	28975	3.987	VB	0.20
9	6.46	Benzaldehyde	0.0540	3.394	14285	1.965	BB	0.19
10	8.39	Valeraldehyde	0.0194	1.220	5420	0.746	BB	0.18
11	8.75	m-Tolualdehyde	0.0242	1.518	5452	0.750	BB	0.15
12	12.10	Hexaldehyde	0.0218	1.370	5207	0.716	BB	0.28

Total Area = 726818

Total Height = 89490.4

Total Amount = 1.591049

MP 06/19/13



Sample Name = **ACN Blank**

Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0077.RAW**
Date Taken (end) = 6/19/2013 5:13:20 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889
Injection Volume = 10

Vial Number = 77
Dilution Factor = 1

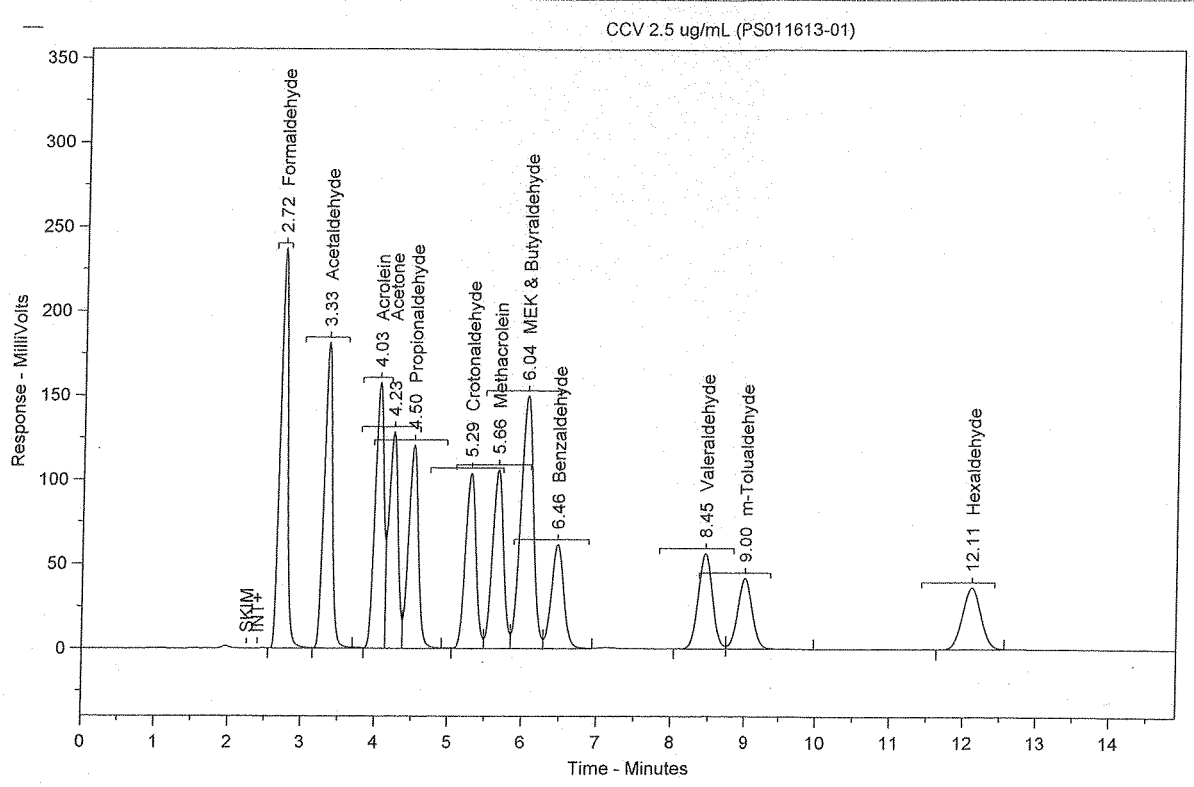
Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0

Total Height = 0

Total Amount = 0

HP
06/19/13



Sample Name = **CCV 2.5 ug/mL (PS011613-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0078.RAW**
Date Taken (end) = 6/19/2013 5:29:53 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

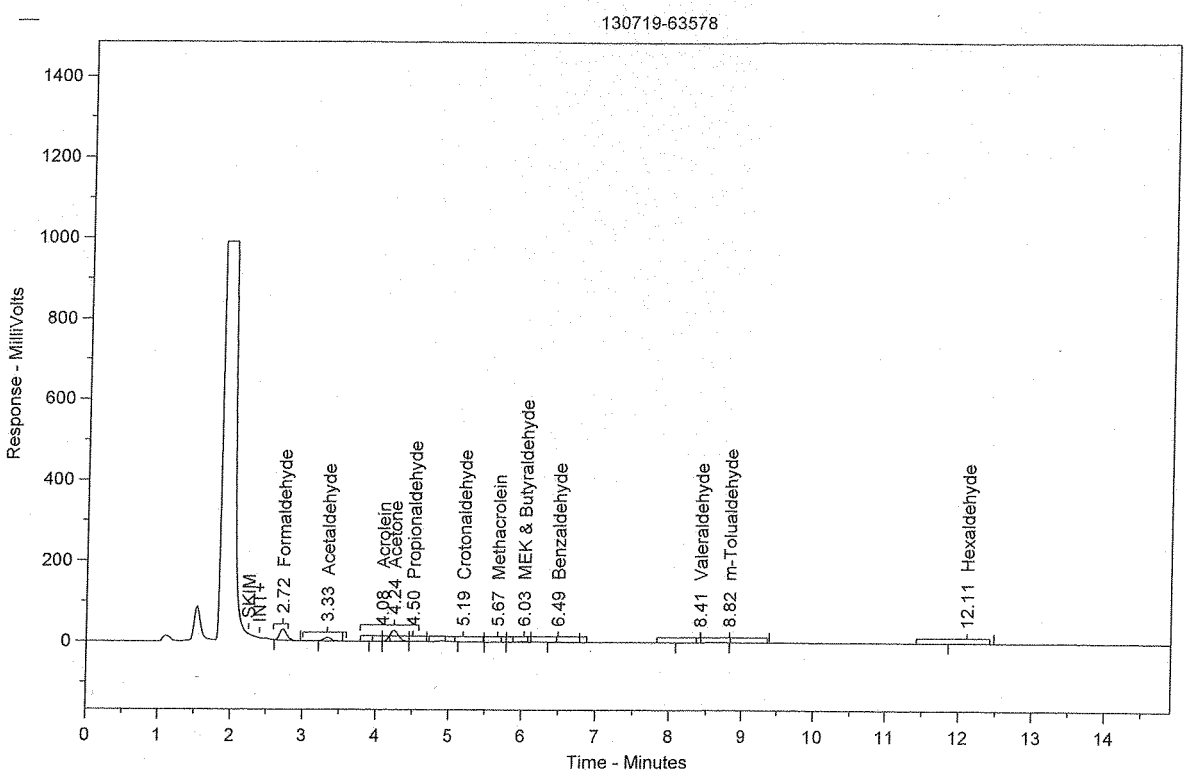
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 78
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.72	Formaldehyde	2.6740	7.626	1720650	12.971	SBB	0.11
2	3.33	Acetaldehyde	2.6946	7.685	1423872	10.734	TBV	0.12
3	4.03	Acrolein	2.7094	7.727	1298133	9.786	TVV	0.14
4	4.23	Acetone	2.7044	7.713	1126152	8.489	TVV	0.14
5	4.50	Propionaldehyde	2.6956	7.688	1114606	8.402	TVV	0.14
6	5.29	Crotonaldehyde	2.7077	7.722	1029357	7.760	TVV	0.15
7	5.66	Methacrolein	2.7127	7.737	1090773	8.223	TVV	0.15
8	6.04	MEK & Butyraldehyde	5.4010	15.404	1748439	13.181	TVV	0.18
9	6.46	Benzaldehyde	2.6879	7.666	711030	5.360	TVB	0.18
10	8.45	Valeraldehyde	2.6930	7.680	751815	5.668	BV	0.21
11	9.00	m-Tolualdehyde	2.6847	7.657	605863	4.567	VB	0.22
12	12.11	Hexaldehyde	2.6981	7.695	644639	4.860	BB	0.27

Total Area = 1.326533E+07 Total Height = 1380062 Total Amount = 35.06296

HP
06/19/13



Sample Name = **130719-63578** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0079.RAW**
Date Taken (end) = 6/19/2013 5:46:30 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

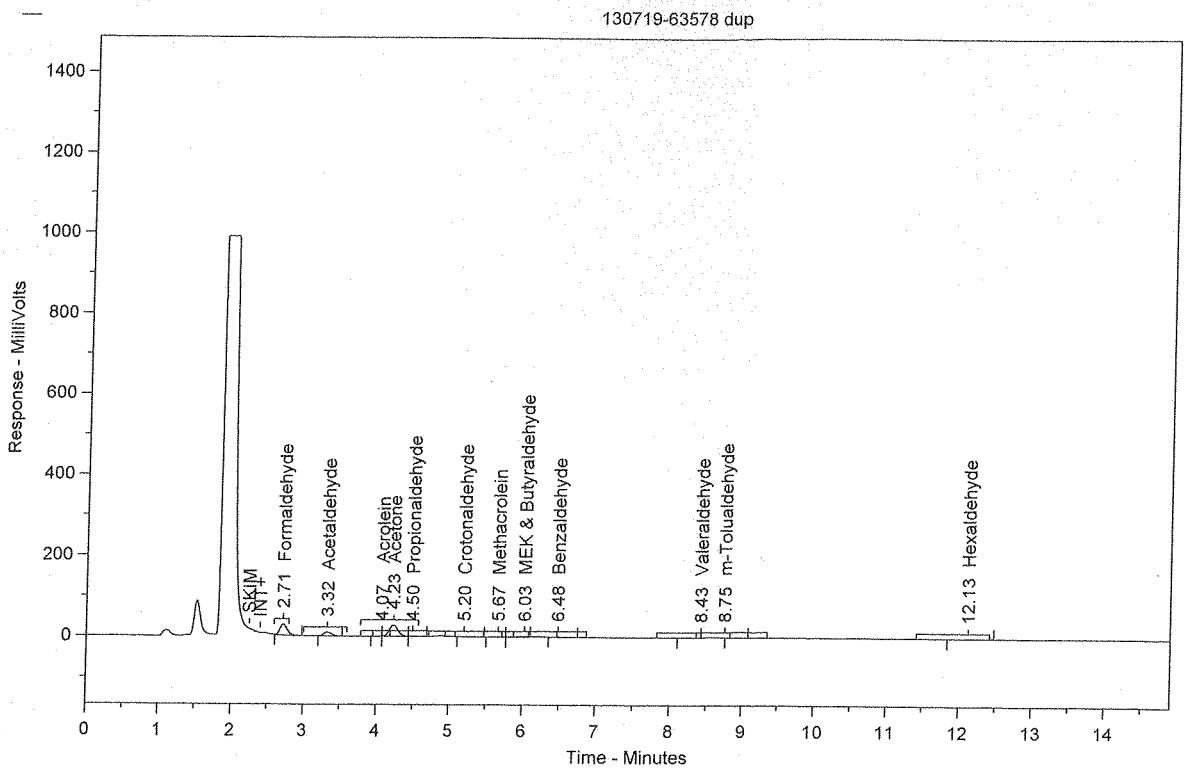
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 79
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.72	Formaldehyde	0.2878	23.562	185160	32.794	BB	0.11
2	3.33	Acetaldehyde	0.1317	10.784	69594	12.326	BB	0.12
3	4.08	Acrolein	0.0047	0.387	2262	0.401	BV	0.07
4	4.24	Acetone	0.5694	46.622	237098	41.993	VV	0.13
5	4.50	Propionaldehyde	0.0244	1.997	10082	1.786	VB	0.13
6	5.19	Crotonaldehyde	0.0208	1.705	7917	1.402	BB	0.20
7	5.67	Methacrolein	0.0130	1.065	5229	0.926	BV	0.15
8	6.03	MEK & Butyraldehyde	0.0607	4.973	19660	3.482	VB	0.20
9	6.49	Benzaldehyde	0.0503	4.120	13309	2.357	BB	0.19
10	8.41	Valeraldehyde	0.0167	1.366	4658	0.825	BB	0.20
11	8.82	m-Tolualdehyde	0.0248	2.032	5600	0.992	BB	0.19
12	12.11	Hexaldehyde	0.0170	1.388	4051	0.718	BB	0.30

Total Area = 564618.8 Total Height = 69980.84 Total Amount = 1.221261

HP
06/19/13



Sample Name = **130719-63578 dup** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0080.RAW**
Date Taken (end) = 6/19/2013 6:03:05 AM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0080.BND
Method Description=TO-11A Carbonyls

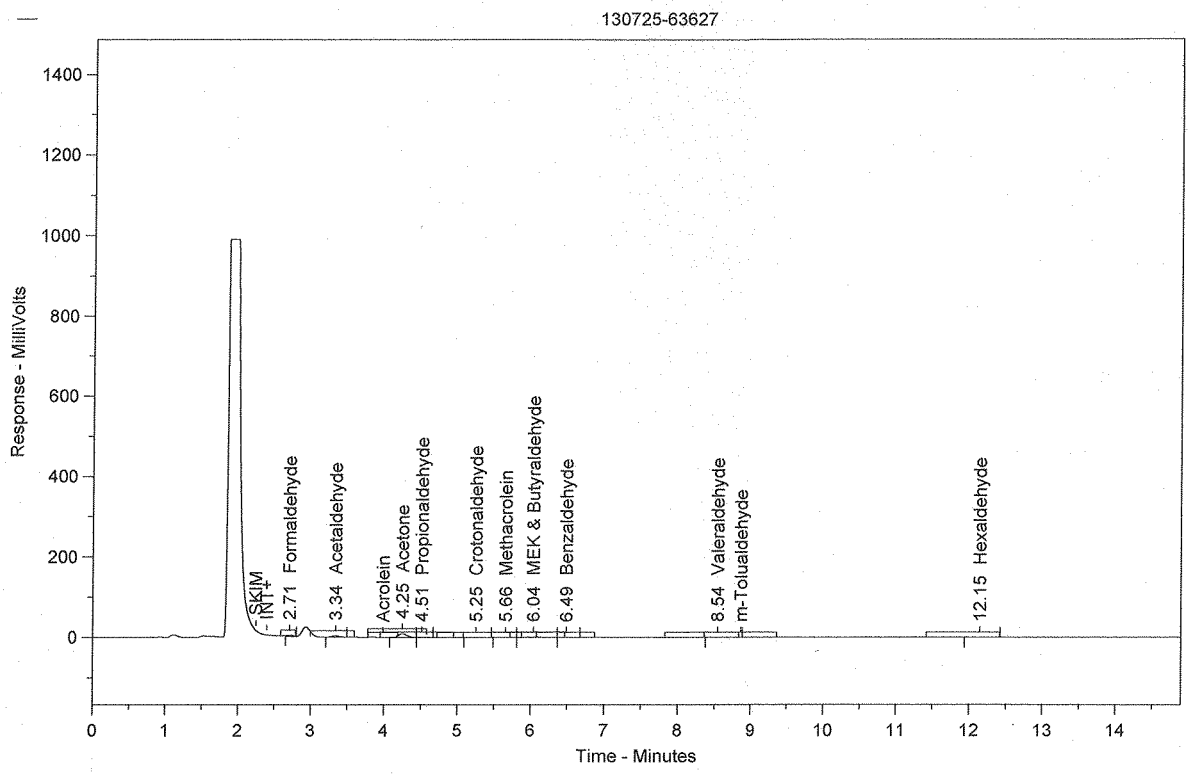
Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0080.BND
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 80
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	0.2877	23.393	185126	32.593	BB	0.11
2	3.32	Acetaldehyde	0.1323	10.755	69891	12.305	BB	0.12
3	4.07	Acrolein	0.0045	0.368	2166	0.381	BV	0.07
4	4.23	Acetone	0.5747	46.734	239332	42.136	VV	0.13
5	4.50	Propionaldehyde	0.0239	1.946	9898	1.743	VB	0.13
6	5.20	Crotonaldehyde	0.0217	1.763	8242	1.451	BB	0.21
7	5.67	Methacrolein	0.0123	1.001	4952	0.872	BV	0.16
8	6.03	MEK & Butyraldehyde	0.0656	5.336	21246	3.740	VB	0.20
9	6.48	Benzaldehyde	0.0490	3.984	12962	2.282	BB	0.19
10	8.43	Valeraldehyde	0.0161	1.311	4500	0.792	BB	0.20
11	8.75	m-Tolualdehyde	0.0249	2.023	5613	0.988	BB	0.17
12	12.13	Hexaldehyde	0.0170	1.386	4074	0.717	BB	0.29

Total Area = 568001.8 Total Height = 70296.73 Total Amount = 1.229834

MP 06/19/13



Sample Name = **130725-63627** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0081.RAW**
Date Taken (end) = 6/19/2013 6:19:41 AM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0081.BND
Method Description=TO-11A Carbonyls

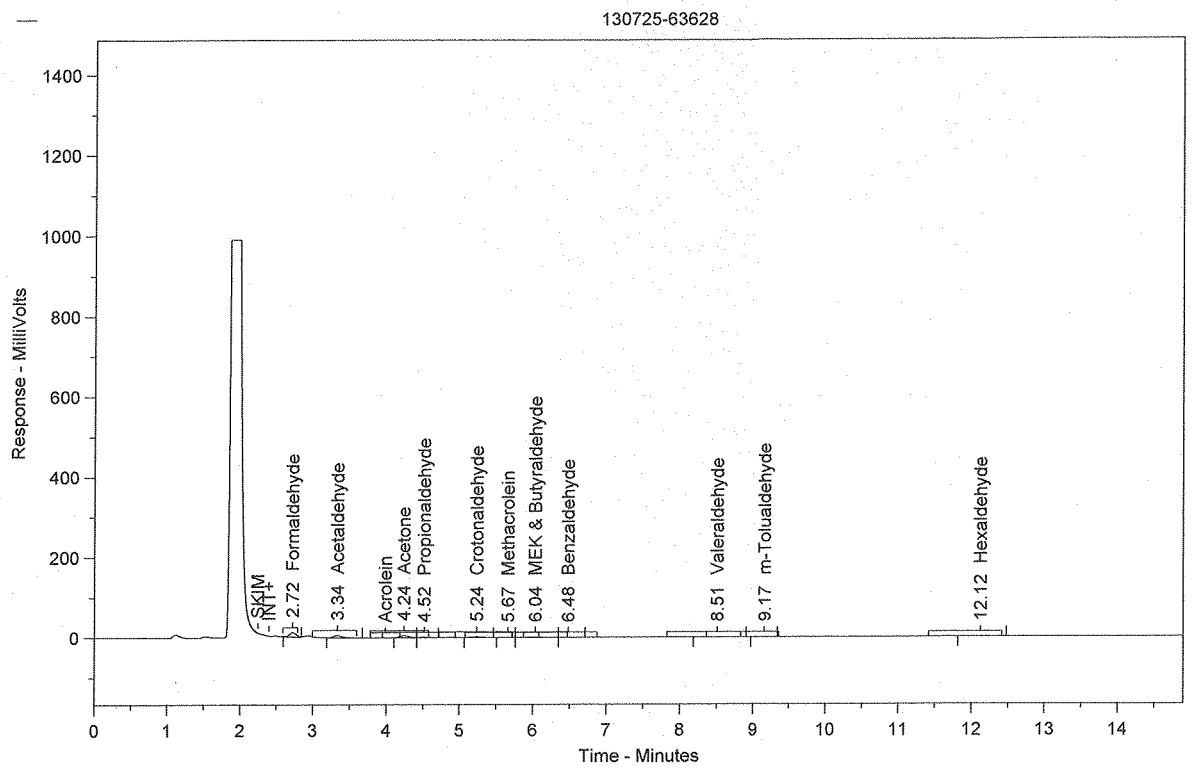
Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0081.BND
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 81
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	0.0269	7.553	17328	11.531	BB	0.11
2	3.34	Acetaldehyde	0.0459	12.874	24253	16.139	BB	0.11
3	4.25	Acetone	0.1786	50.101	74380	49.497	BV	0.13
4	4.51	Propionaldehyde	0.0129	3.626	5345	3.557	VB	0.15
5	5.25	Crotonaldehyde	0.0101	2.842	3851	2.563	BB	0.21
6	5.66	Methacrolein	0.0066	1.855	2660	1.770	BV	0.16
7	6.04	MEK & Butyraldehyde	0.0436	12.216	14099	9.382	VV	0.18
8	6.49	Benzaldehyde	0.0038	1.070	1009	0.671	VB	0.22
9	8.54	Valeraldehyde	0.0161	4.523	4502	2.996	BB	0.35
10	12.15	Hexaldehyde	0.0119	3.340	2845	1.893	BB	0.26

Total Area = 150271.7 Total Height = 18035.85 Total Amount = 0.3565177

HP
06/19/13



Sample Name = **130725-63628** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0082.RAW**
Date Taken (end) = 6/19/2013 6:36:16 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

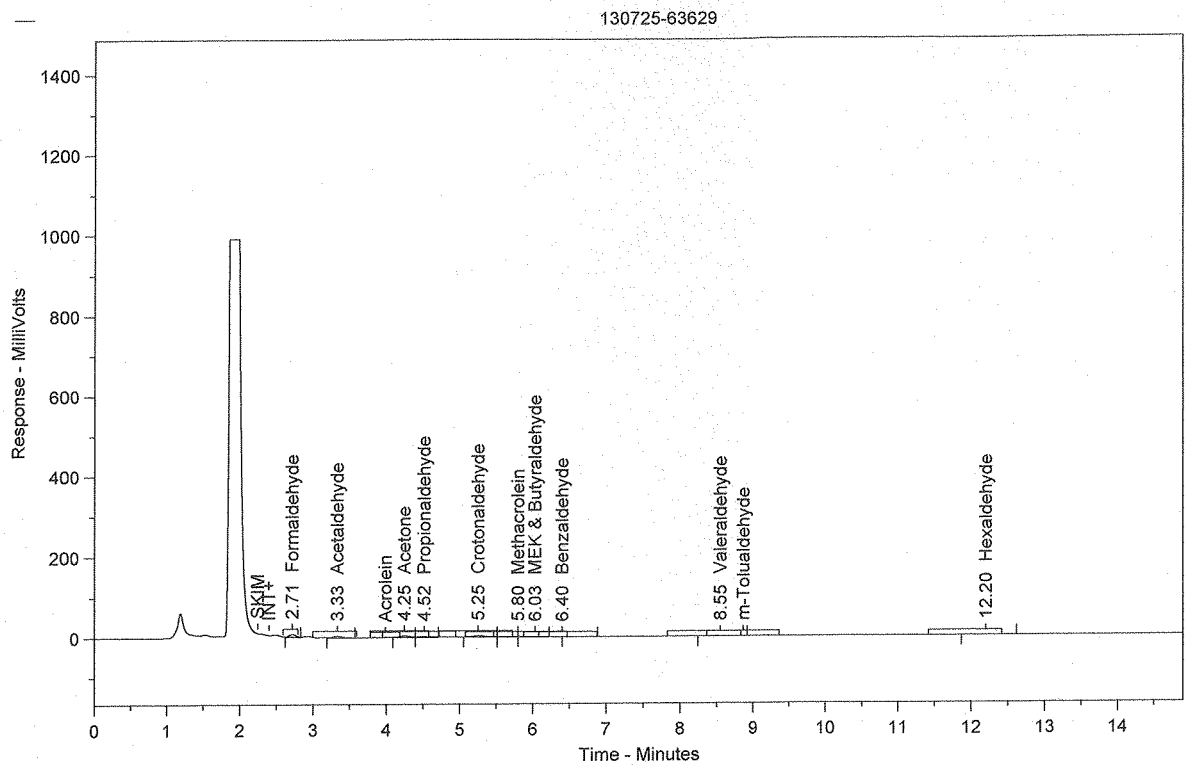
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 82
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.72	Formaldehyde	0.1068	24.714	68711	34.890	BB	0.10
2	3.34	Acetaldehyde	0.0722	16.703	38133	19.363	BB	0.12
3	4.24	Acetone	0.0929	21.493	38669	19.635	BV	0.12
4	4.52	Propionaldehyde	0.0176	4.063	7259	3.686	VB	0.13
5	5.24	Crotonaldehyde	0.0335	7.743	12718	6.458	BB	0.17
6	5.67	Methacrolein	0.0041	0.953	1656	0.841	BV	0.15
7	6.04	MEK & Butyraldehyde	0.0384	8.896	12443	6.318	VV	0.22
8	6.48	Benzaldehyde	0.0067	1.553	1775	0.901	VB	0.23
9	8.51	Valeraldehyde	0.0326	7.554	9112	4.627	BB	0.34
10	9.17	m-Tolualdehyde	0.0055	1.269	1237	0.628	BB	0.24
11	12.12	Hexaldehyde	0.0219	5.059	5222	2.652	BB	0.28

Total Area = 196937.3 Total Height = 24090.89 Total Amount = 0.4320653

HP 06/19/13



Sample Name = **130725-63629** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0083.RAW**
Date Taken (end) = 6/19/2013 6:52:52 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

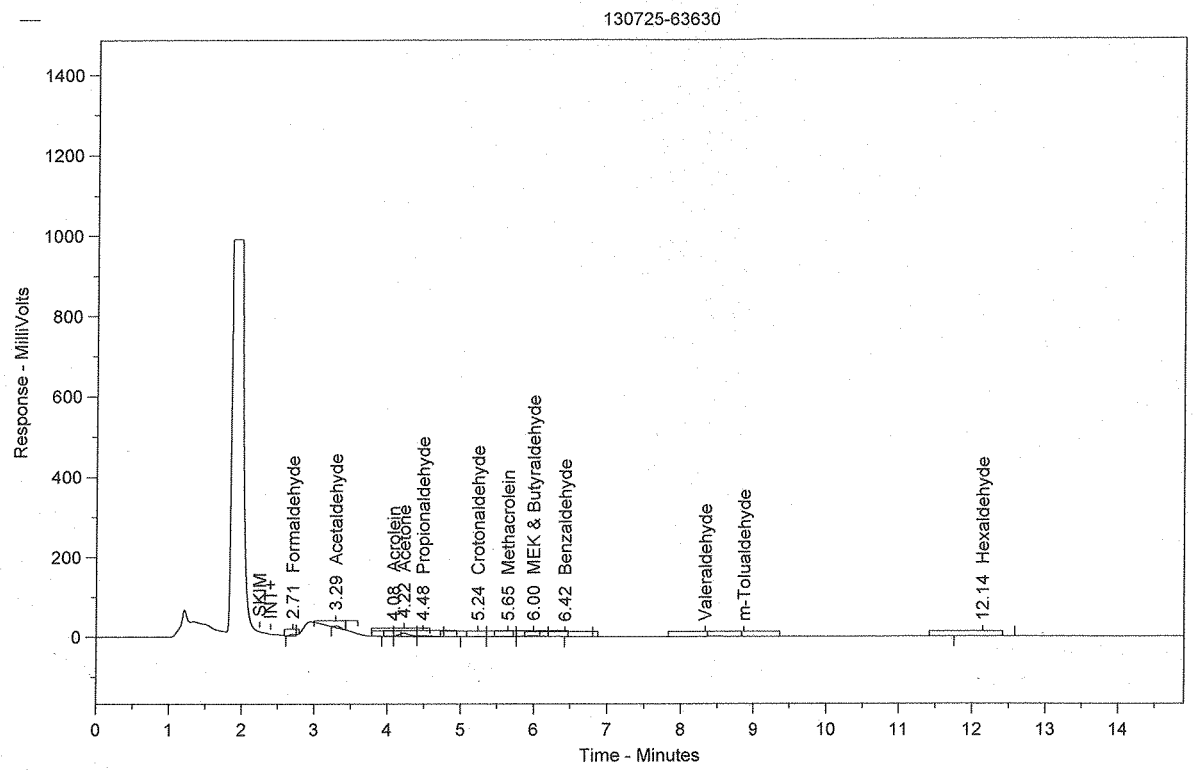
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 83
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	0.0650	12.380	41808	19.095	BB	0.10
2	3.33	Acetaldehyde	0.0535	10.192	28266	12.910	BB	0.12
3	4.25	Acetone	0.0874	16.650	36388	16.619	BV	0.14
4	4.52	Propionaldehyde	0.0657	12.524	27178	12.413	VB	0.17
5	5.25	Crotonaldehyde	0.1015	19.333	38572	17.617	BV	0.17
6	5.80	Methacrolein	0.0230	4.389	9262	4.230	VV	0.19
7	6.03	MEK & Butyraldehyde	0.0654	12.466	21179	9.673	VB	0.30
8	6.40	Benzaldehyde	0.0118	2.248	3122	1.426	BB	0.21
9	8.55	Valeraldehyde	0.0215	4.095	6000	2.741	BB	0.32
10	12.20	Hexaldehyde	0.0300	5.722	7175	3.277	BB	0.30

Total Area = 218948.9 Total Height = 22046.76 Total Amount = 0.524817

HP 06/19/13



Sample Name = **130725-63630** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0084.RAW**
Date Taken (end) = 6/19/2013 7:09:26 AM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0084.BND
Method Description=TO-11A Carbonyls

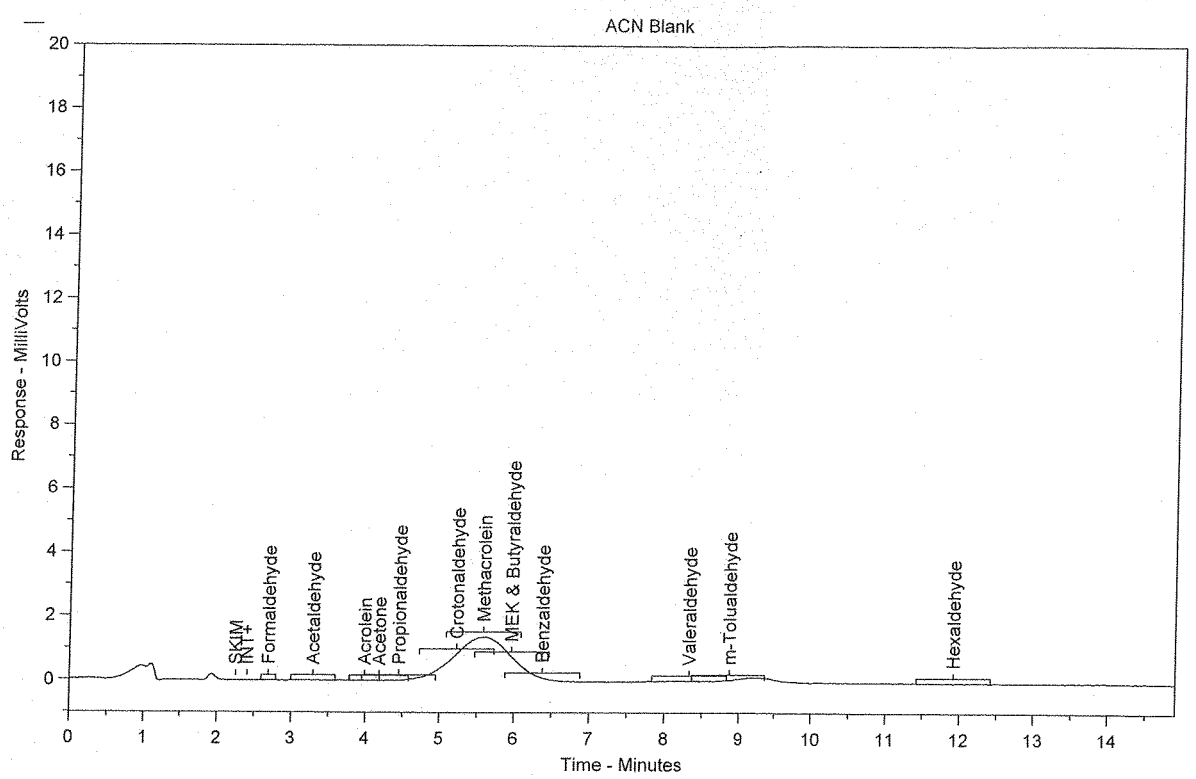
Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0084.BND
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 84
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.71	Formaldehyde	0.0301	5.982	19361	9.430	BB	0.09
2	3.29	Acetaldehyde	0.0511	10.166	27020	13.160	BB	0.14
3	4.08	Acrolein	0.0045	0.893	2153	1.048	BV	0.07
4	4.22	Acetone	0.1745	34.695	72669	35.393	VV	0.13
5	4.48	Propionaldehyde	0.0522	10.376	21580	10.511	VB	0.21
6	5.24	Crotonaldehyde	0.0221	4.389	8393	4.088	BV	0.22
7	5.65	Methacrolein	0.0470	9.346	18902	9.206	VV	0.23
8	6.00	MEK & Butyraldehyde	0.0712	14.150	23040	11.221	VB	0.33
9	6.42	Benzaldehyde	0.0070	1.388	1847	0.900	BB	0.12
10	12.14	Hexaldehyde	0.0433	8.615	10353	5.043	BB	0.44

Total Area = 205317.3 Total Height = 21326.44 Total Amount = 0.5029864

CG
06/20/13



Sample Name = **ACN Blank** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0085.RAW**
Date Taken (end) = 6/19/2013 7:26:01 AM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

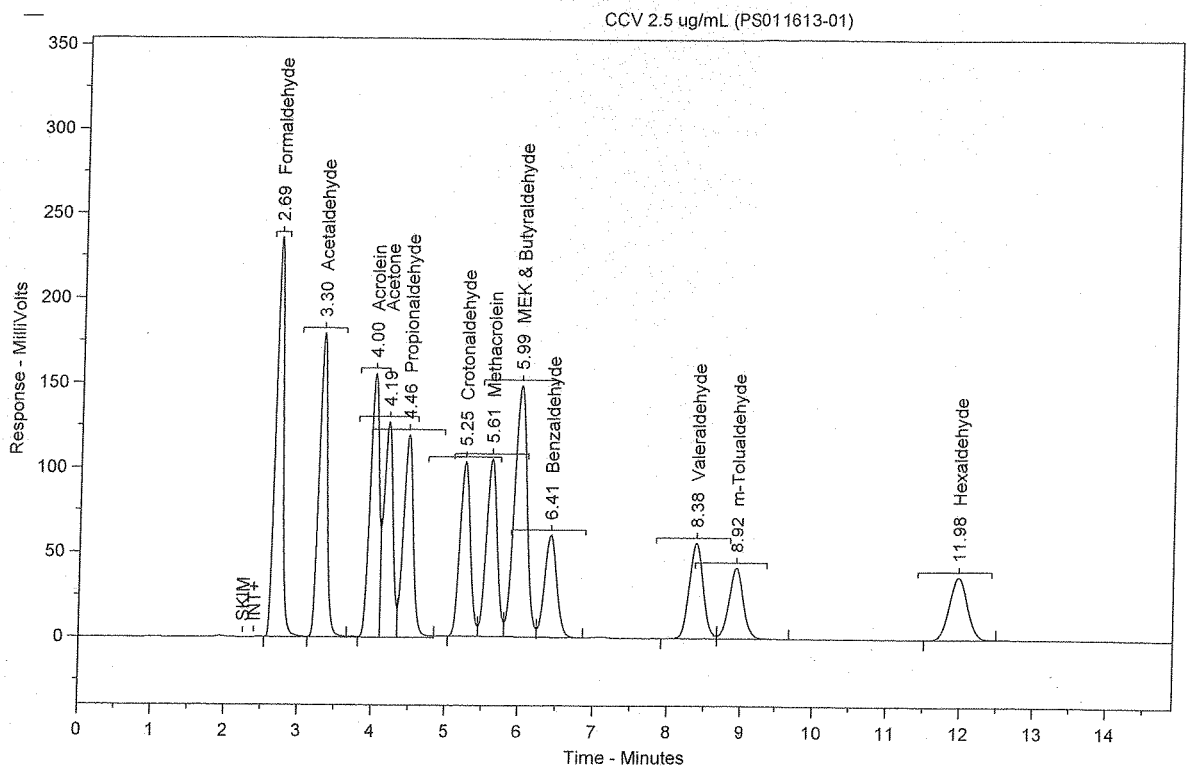
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 85
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0 Total Height = 0 Total Amount = 0

HP
06/19/13



Sample Name = **CCV 2.5 ug/mL (PS011613-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0086.RAW**
Date Taken (end) = 6/19/2013 7:42:34 AM

Method File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0086.BND
Method Description=TO-11A Carbonyls

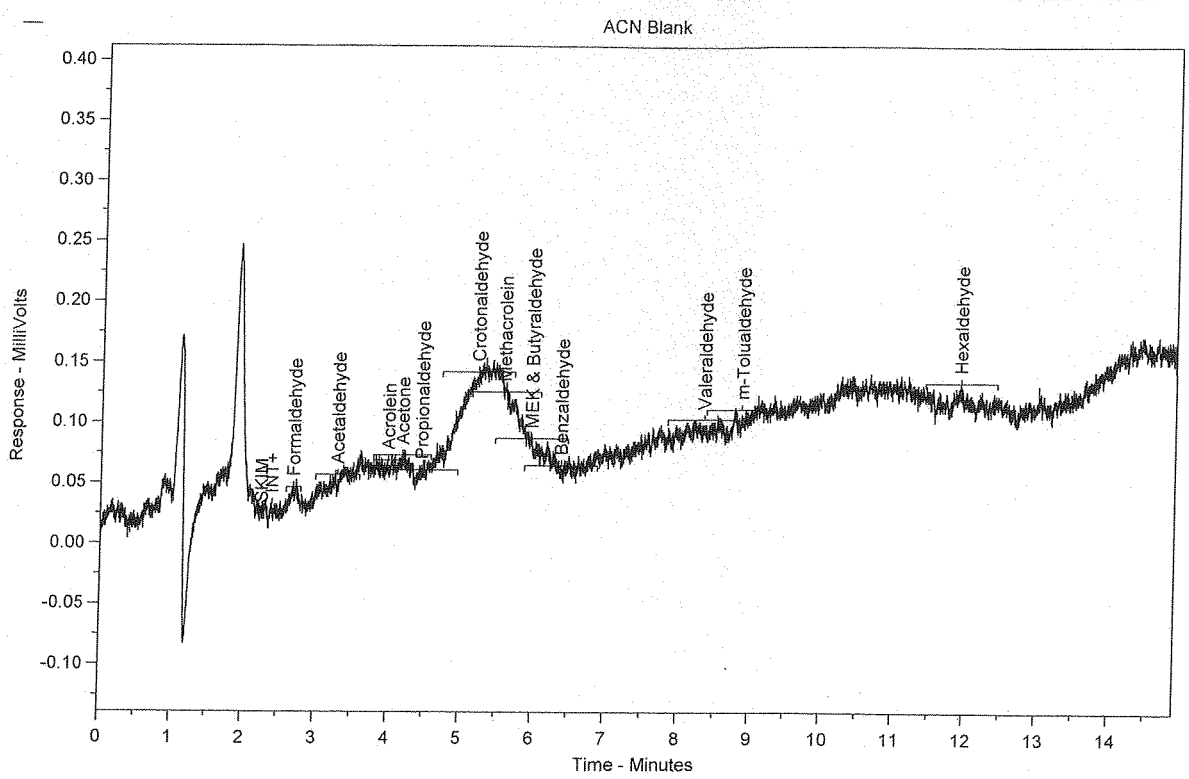
Calibration File Name = C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0086.BND
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 86
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.69	Formaldehyde	2.6655	7.704	1715175	13.082	SBB	0.11
2	3.30	Acetaldehyde	2.6778	7.739	1414961	10.792	TBV	0.12
3	4.00	Acrolein	2.6918	7.780	1289740	9.837	TVV	0.14
4	4.19	Acetone	2.6619	7.693	1108457	8.455	TVV	0.14
5	4.46	Propionaldehyde	2.6822	7.752	1109060	8.459	TVB	0.14
6	5.25	Crotonaldehyde	2.6795	7.744	1018653	7.770	BV	0.15
7	5.61	Methacrolein	2.6602	7.688	1069671	8.159	VV	0.15
8	5.99	MEK & Butyraldehyde	5.3327	15.412	1726335	13.167	VV	0.18
9	6.41	Benzaldehyde	2.6004	7.516	687887	5.247	VB	0.18
10	8.38	Valeraldehyde	2.6556	7.675	741392	5.655	BV	0.20
11	8.92	m-Tolualdehyde	2.6447	7.643	596822	4.552	VB	0.22
12	11.98	Hexaldehyde	2.6480	7.653	632664	4.826	BB	0.27

Total Area = 1.311082E+07 Total Height = 1369787 Total Amount = 34.60025

HP
06/19/13



Sample Name = **ACN Blank** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0093.RAW**
Date Taken (end) = 6/19/2013 3:44:22 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

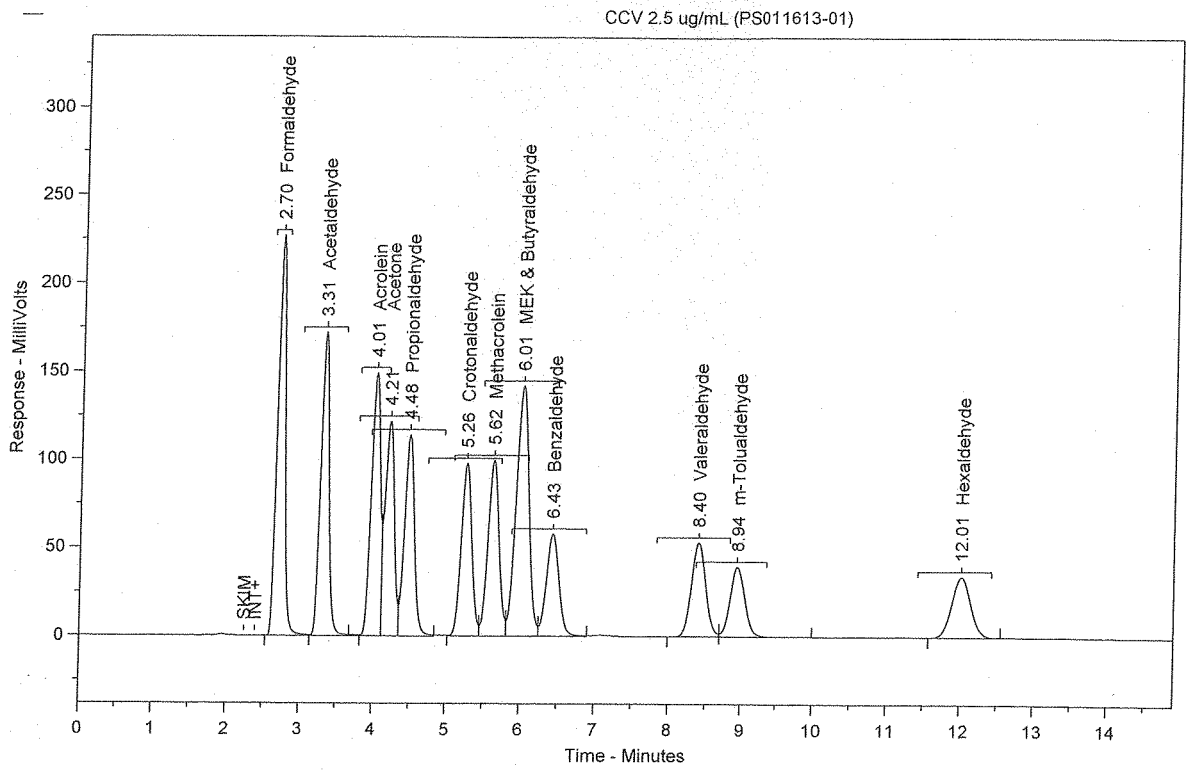
Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 93
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width

Total Area = 0 Total Height = 0 Total Amount = 0

HP
06/20/13



Sample Name = **CCV 2.5 ug/mL (PS011613-01)** Instrument = HPLC #1

Raw File Name = **C:\Chromeperfect 2\Data\HPLC #1\2013\061813\061813.0094.RAW**
Date Taken (end) = 6/19/2013 4:00:56 PM

Method File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.MET
Method Description=TO-11A Carbonyls

Calibration File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061113 TO-11A.CAL
Concentration Units = ug/ml

Run Time = 14.89889 Vial Number = 94
Injection Volume = 10 Dilution Factor = 1

Peak #	Ret. Time	Name	Amount	Amt %	Area	Area %	Type	Width
1	2.70	Formaldehyde	2.5742	7.682	1656402	13.055	SBB	0.11
2	3.31	Acetaldehyde	2.5893	7.728	1368229	10.784	TBV	0.12
3	4.01	Acrolein	2.6006	7.761	1246000	9.820	TVV	0.14
4	4.21	Acetone	2.5818	7.705	1075093	8.473	TVV	0.14
5	4.48	Propionaldehyde	2.5698	7.669	1062583	8.375	TVB	0.14
6	5.26	Crotonaldehyde	2.5761	7.688	979326	7.719	BV	0.16
7	5.62	Methacrolein	2.5761	7.688	1035839	8.164	VV	0.16
8	6.01	MEK & Butyraldehyde	5.1910	15.492	1680471	13.245	VV	0.18
9	6.43	Benzaldehyde	2.5736	7.681	680815	5.366	VB	0.18
10	8.40	Valeraldehyde	2.5637	7.651	715722	5.641	BV	0.21
11	8.94	m-Tolualdehyde	2.5491	7.608	575248	4.534	VB	0.22
12	12.01	Hexaldehyde	2.5619	7.646	612115	4.824	BB	0.28

Total Area = 1.268784E+07 Total Height = 1308298 Total Amount = 33.50711

HP
06/20/13

File Name = C:\Chromeperfect 2\Methods and Sequences\#1 HPLC #1\2013\061813 (TO-11).SEQ
File Date = 6/20/2013 12:38:51 PM
Analyst=

Entry #	Raw File Name	Method File Name	Sample Name	Vial #	DF
1	061813.0001.raw	061113 TO-11A.MET	ACN Blank	1	1
2	061813.0002.raw	061113 TO-11A.MET	CCV 2.5 ug/mL (PS061113-01)	2	1
3	061813.0003.raw	061113 TO-11A.MET	SS 1.25 ppm (PS011613-01)	3	1
4	061813.0004.raw	061113 TO-11A.MET	TO-11 Method Blank	4	1
5	061813.0005.raw	061113 TO-11A.MET	LCS Blank	5	1
6	061813.0006.raw	061113 TO-11A.MET	LCS 1.25ug/mL (PS011013-01)	6	1
7	061813.0007.raw	061113 TO-11A.MET	MS 130718-63544 1.25 ppm [(PS061113-01x2]	7	1
8	061813.0008.raw	061113 TO-11A.MET	MSD 130718-63544 1.25 ppm [(PS061113-01x2]	8	1
9	061813.0009.raw	061113 TO-11A.MET	130718-63544	9	1
10	061813.0010.raw	061113 TO-11A.MET	130718-63544 Dup	10	1
11	061813.0011.raw	061113 TO-11A.MET	130718-63554	11	1
12	061813.0012.raw	061113 TO-11A.MET	ACN Blank	12	1
13	061813.0013.raw	061113 TO-11A.MET	CCV 2.5 ug/mL (PS011613-01)	13	1
14	061813.0014.raw	061113 TO-11A.MET	130718-63559	14	1
15	061813.0015.raw	061113 TO-11A.MET	130718-63559 dup	15	1
16	061813.0016.raw	061113 TO-11A.MET	130718-63540	16	1
17	061813.0017.raw	061113 TO-11A.MET	130718-63541	17	1
18	061813.0018.raw	061113 TO-11A.MET	130718-63542	18	1
19	061813.0019.raw	061113 TO-11A.MET	130718-63543	19	1
20	061813.0020.raw	061113 TO-11A.MET	130718-63545	20	1
21	061813.0021.raw	061113 TO-11A.MET	130718-63546	21	1
22	061813.0022.raw	061113 TO-11A.MET	130718-63547	22	1
23	061813.0023.raw	061113 TO-11A.MET	ACN Blank	23	1
24	061813.0024.raw	061113 TO-11A.MET	CCV 2.5 ug/mL (PS011613-01)	24	1
25	061813.0025.raw	061113 TO-11A.MET	130718-63548	25	1
26	061813.0026.raw	061113 TO-11A.MET	130718-63548 Dup	26	1
27	061813.0027.raw	061113 TO-11A.MET	130718-63549	27	1
28	061813.0028.raw	061113 TO-11A.MET	130718-63550	28	1
29	061813.0029.raw	061113 TO-11A.MET	130718-63551	29	1
30	061813.0030.raw	061113 TO-11A.MET	130718-63552	30	1
31	061813.0031.raw	061113 TO-11A.MET	130718-63553	31	1
32	061813.0032.raw	061113 TO-11A.MET	130718-63555	32	1
33	061813.0033.raw	061113 TO-11A.MET	130718-63556	33	1
34	061813.0034.raw	061113 TO-11A.MET	ACN Blank	34	1
35	061813.0035.raw	061113 TO-11A.MET	CCV 2.5 ug/mL (PS011613-01)	35	1
36	061813.0036.raw	061113 TO-11A.MET	TO-11 Method Blank	36	1
37	061813.0037.raw	061113 TO-11A.MET	LCS Blank	37	1
38	061813.0038.raw	061113 TO-11A.MET	LCS2 1.25ug/mL (PS011013-01)	38	1
39	061813.0039.raw	061113 TO-11A.MET	MS 130718-63557 1.25 ppm [(PS061113-01x2]	39	1
40	061813.0040.raw	061113 TO-11A.MET	MSD 130718-63557 1.25 ppm [(PS061113-01x2]	40	1
41	061813.0041.raw	061113 TO-11A.MET	130718-63557	41	1
42	061813.0042.raw	061113 TO-11A.MET	130718-63557 Dup	42	1
43	061813.0043.raw	061113 TO-11A.MET	130718-63558	43	1
44	061813.0044.raw	061113 TO-11A.MET	ACN Blank	44	1
45	061813.0045.raw	061113 TO-11A.MET	CCV 2.5 ug/mL (PS011613-01)	45	1
46	061813.0046.raw	061113 TO-11A.MET	130719-63564	46	1
47	061813.0047.raw	061113 TO-11A.MET	130719-63564 Dup	47	1
48	061813.0048.raw	061113 TO-11A.MET	130719-63574	48	1
49	061813.0049.raw	061113 TO-11A.MET	130719-63579	49	1
50	061813.0050.raw	061113 TO-11A.MET	130719-63560	50	1
51	061813.0051.raw	061113 TO-11A.MET	130719-63561	51	1
52	061813.0052.raw	061113 TO-11A.MET	130719-63562	52	1
53	061813.0053.raw	061113 TO-11A.MET	130719-63563	53	1
54	061813.0054.raw	061113 TO-11A.MET	130719-63565	54	1
55	061813.0055.raw	061113 TO-11A.MET	ACN Blank	55	1
56	061813.0056.raw	061113 TO-11A.MET	CCV 2.5 ug/mL (PS011613-01)	56	1
57	061813.0057.raw	061113 TO-11A.MET	130719-63566	57	1
58	061813.0058.raw	061113 TO-11A.MET	130719-63566 dup	58	1
59	061813.0059.raw	061113 TO-11A.MET	130719-63567	59	1
60	061813.0060.raw	061113 TO-11A.MET	130719-63568	60	1
61	061813.0061.raw	061113 TO-11A.MET	130719-63569	61	1

Entry #	Raw File Name	Method File Name	Sample Name	Vial #	DF
62	061813.0062.raw	061113 TO-11A.MET	130719-63570	62	1
63	061813.0063.raw	061113 TO-11A.MET	130719-63571	63	1
64	061813.0064.raw	061113 TO-11A.MET	130719-63572	64	1
65	061813.0065.raw	061113 TO-11A.MET	130719-63573	65	1
66	061813.0066.raw	061113 TO-11A.MET	ACN Blank	66	1
67	061813.0067.raw	061113 TO-11A.MET	CCV 2.5 ug/mL (PS011613-01)	67	1
68	061813.0068.raw	061113 TO-11A.MET	TO-11 Method Blank	68	1
69	061813.0069.raw	061113 TO-11A.MET	LCS Blank	69	1
70	061813.0070.raw	061113 TO-11A.MET	LCS3 1.25ug/mL (PS011013-01)	70	1
71	061813.0071.raw	061113 TO-11A.MET	MS 130719-63575 1.25 ppm [(PS061113-01x2]	71	1
72	061813.0072.raw	061113 TO-11A.MET	MSD 130719-63575 1.25 ppm [(PS061113-01x2]	72	1
73	061813.0073.raw	061113 TO-11A.MET	130719-63575	73	1
74	061813.0074.raw	061113 TO-11A.MET	130719-63575 Dup	74	1
75	061813.0075.raw	061113 TO-11A.MET	130719-63576	75	1
76	061813.0076.raw	061113 TO-11A.MET	130719-63577	76	1
77	061813.0077.raw	061113 TO-11A.MET	ACN Blank	77	1
78	061813.0078.raw	061113 TO-11A.MET	CCV 2.5 ug/mL (PS011613-01)	78	1
79	061813.0079.raw	061113 TO-11A.MET	130719-63578	79	1
80	061813.0080.raw	061113 TO-11A.MET	130719-63578 dup	80	1
81	061813.0081.raw	061113 TO-11A.MET	130725-63627	81	1
82	061813.0082.raw	061113 TO-11A.MET	130725-63628	82	1
83	061813.0083.raw	061113 TO-11A.MET	130725-63629	83	1
84	061813.0084.raw	061113 TO-11A.MET	130725-63630	84	1
85	061813.0085.raw	061113 TO-11A.MET	ACN Blank	85	1
86	061813.0086.raw	061113 TO-11A.MET	CCV 2.5 ug/mL (PS011613-01)	86	1
87	061813.0087.raw	061113 TO-11A.MET	130750-63736	87	1
88	061813.0088.raw	061113 TO-11A.MET	130750-63736 Dup	88	1
89	061813.0089.raw	061113 TO-11A.MET	130751-63737	89	1
90	061813.0090.raw	061113 TO-11A.MET	130751-63738	90	1
91	061813.0091.raw	061113 TO-11A.MET	130751-63738 Dup	91	1
92	061813.0092.raw	061113 TO-11A.MET	130718-63545x4	92	4
93	061813.0093.raw	061113 TO-11A.MET	ACN Blank	93	1
94	061813.0094.raw	061113 TO-11A.MET	CCV 2.5 ug/mL (PS011613-01)	94	1