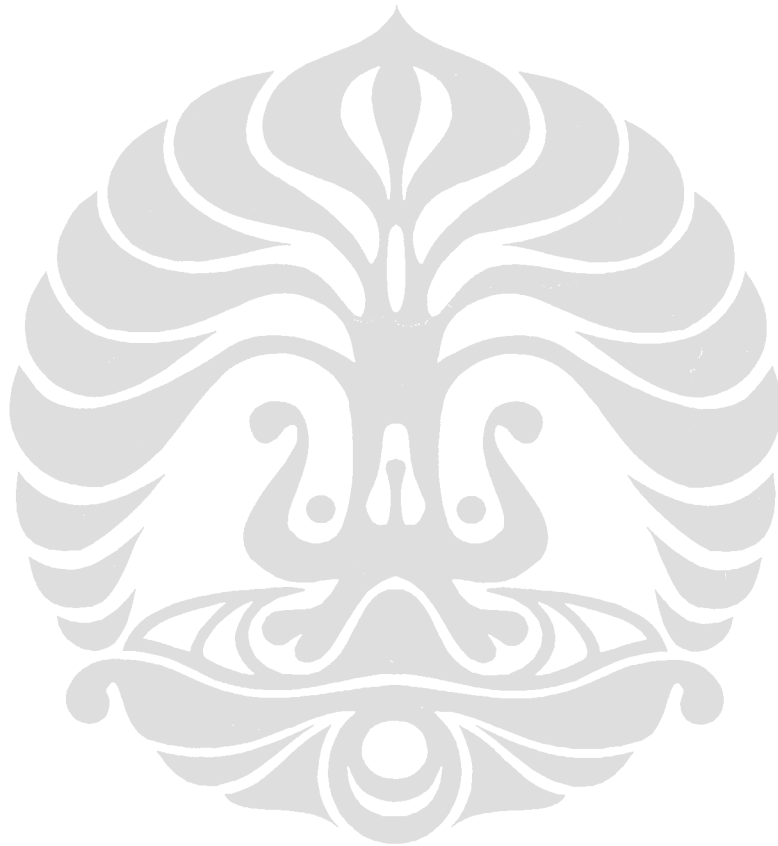


LAMPIRAN 1
DATA KARAKTERISASI KATALIS DENGAN BET



Quantachrome Corporation
 Quantachrome Autosorb Automated Gas Sorption System Report
 Autosorb for Windows® for AS-3 and AS-6 Version 1.23

Sample ID	Zeolit (2pk P-1)				
Description	B. Heru				
Comments					
Sample Weight	0.4379 g				
Adsorbate	NITROGEN	Outgas Temp	150.0 °C	Operator	Jajat
Cross-Sec Area	16.2 Å ² /molecule	Outgas Time	2.0 hrs	Analysis Time	38.4 min
NonIdeality	6.580E-05	P/Po Toler	3	End of Run	06/26/2008 16:20
Molecular Wt	28.0134 g/mol	Equil Time	2	File Name	A8626024.RAW
Station #	4	Bath Temp.	77.40	PC SW Version	Pre-1.20

AREA-VOLUME-PORE SIZE SUMMARY

SURFACE AREA DATA

Multipoint BET.....	5.191E+01	m ² /g
Langmuir Surface Area.....	8.051E+01	m ² /g
t-Method External Surface Area.....	4.304E+01	m ² /g
t-Method Micro Pore Surface Area.....	8.866E+00	m ² /g
DR Method Micro Pore Area.....	7.137E+01	m ² /g

PORE VOLUME DATA

t-Method Micro Pore Volume.....	4.538E-03	cc/g
DR Method Micro Pore Volume.....	2.536E-02	cc/g
HK Method Cumulative Pore Volume.....	2.207E-02	cc/g
SF Method Cumulative Pore Volume.....	2.249E-02	cc/g

PORE SIZE DATA

DR Method Micro Pore Width	9.687E+01	Å
DA Method Pore Diameter (Mode).....	1.760E+01	Å
HK Method Pore Width (Mode).....	1.402E+01	Å
SF Method Pore Diameter (Mode).....	2.630E+01	Å

DATA REDUCTION PARAMETERS

Thermal Transpiration : OFF
 Last Po Acquired 764.57 mm Hg
 Additional Initialization Information Not Recorded.

BJH/DH Moving Average Size : 1

Interaction Constant (K) 2.9600 nm³ x kJ/mol

Quantachrome Corporation
 Quantachrome Autosorb Automated Gas Sorption System Report
 Autosorb for Windows® for AS-3 and AS-6 Version 1.23

Sample ID	Zeolit + NH4 NO3				
Description	B. Heru				
Comments					
Sample Weight	0.3060 g				
Adsorbate	NITROGEN	Outgas Temp	150.0 °C	Operator	Jajat
Cross-Sec Area	16.2 Å ² /molecule	Outgas Time	2.0 hrs	Analysis Time	59.0 min
NonIdeality	6.580E-05	P/Po Toler	3	End of Run	07/02/2008 14:52
Molecular Wt	28.0134 g/mol	Equil Time	2	File Name	A8702034.RAW
Station #	4	Bath Temp.	77.40	PC SW Version	Pre-1.20

AREA-VOLUME-PORE SIZE SUMMARY

SURFACE AREA DATA

Multipoint BET.....	1.016E+02	m ² /g
Langmuir Surface Area.....	1.555E+02	m ² /g
t-Method External Surface Area.....	6.318E+01	m ² /g
t-Method Micro Pore Surface Area.....	3.844E+01	m ² /g
DR Method Micro Pore Area.....	1.451E+02	m ² /g

PORE VOLUME DATA

t-Method Micro Pore Volume.....	2.031E-02	cc/g
DR Method Micro Pore Volume.....	5.156E-02	cc/g
HK Method Cumulative Pore Volume.....	4.622E-02	cc/g
SF Method Cumulative Pore Volume.....	4.682E-02	cc/g

PORE SIZE DATA

DR Method Micro Pore Width	8.573E+01	Å
DA Method Pore Diameter (Mode).....	1.740E+01	Å
HK Method Pore Width (Mode).....	1.412E+01	Å
SF Method Pore Diameter (Mode).....	2.639E+01	Å

DATA REDUCTION PARAMETERS

Thermal Transpiration : OFF
 Last Po Acquired 765.66 mm Hg
 Additional Initialization Information Not Recorded.

BJH/DH Moving Average Size : 1

Interaction Constant (K) 2.9600 nm³ x kJ/mol

Quantachrome Corporation
 Quantachrome Autosorb Automated Gas Sorption System Report
 Autosorb for Windows® for AS-3 and AS-6 Version 1.23

Sample ID	Zeolit (HPA 5% O				
Description	B Heru				
Comments					
Sample Weight	0.4148 g				
Adsorbate	NITROGEN	Outgas Temp	250.0 °C	Operator	Jajat
Cross-Sec Area	16.2 Å ² /molecule	Outgas Time	2.0 hrs	Analysis Time	64.6 min
NonIdeality	6.580E-05	P/Po Toler	3	End of Run	07/02/2008 10:32
Molecular Wt	28.0134 g/mol	Equil Time	2	File Name	A8702015.RAW
Station #	5	Bath Temp.	77.40	PC SW Version	Pre-1.20

AREA-VOLUME-PORE SIZE SUMMARY

SURFACE AREA DATA

Multipoint BET.....	6.371E+01	m ² /g
Langmuir Surface Area.....	9.792E+01	m ² /g
t-Method External Surface Area.....	4.166E+01	m ² /g
t-Method Micro Pore Surface Area.....	2.205E+01	m ² /g
DR Method Micro Pore Area.....	9.067E+01	m ² /g

PORE VOLUME DATA

t-Method Micro Pore Volume.....	1.165E-02	cc/g
DR Method Micro Pore Volume.....	3.222E-02	cc/g
HK Method Cumulative Pore Volume.....	2.873E-02	cc/g
SF Method Cumulative Pore Volume.....	2.913E-02	cc/g

PORE SIZE DATA

DR Method Micro Pore Width	8.817E+01	Å
DA Method Pore Diameter (Mode).....	1.740E+01	Å
HK Method Pore Width (Mode).....	1.412E+01	Å
SF Method Pore Diameter (Mode).....	2.657E+01	Å

DATA REDUCTION PARAMETERS

Thermal Transpiration : OFF
 Last Po Acquired 736.16 mm Hg
 Additional Initialization Information Not Recorded.

BJH/DH Moving Average Size : 1

Interaction Constant (K) 2.9600 nm³ x kJ/mol

Quantachrome Corporation
Quantachrome Autosorb Automated Gas Sorption System Report
Autosorb for Windows® for AS-3 and AS-6 Version 1.23

Sample ID	Zeolit (HPA104)				
Description	B. Heru				
Comments					
Sample Weight	0.6077 g				
Adsorbate	Nitrogen	Outgas Temp	150.0 °C	Operator	Jajat
Cross-Sec Area	16.2 Å ² /molecule	Outgas Time	2.0 hrs	Analysis Time	63.6 min
Nonideality	6.580E-05	P/Po Toler	3	End of Run	06/26/2008 15:25
Molecular Wt	28.0134 g/mol	Equil Time	2	File Name	AB626016.RAW
Station #	6	Bath Temp.	77.40	PC SW Version	Pre-1.20

AREA-VOLUME-PORE SIZE SUMMARY

SURFACE AREA DATA

Multipoint BET.....	5.275E+01	m ² /g
Langmuir Surface Area.....	8.259E+01	m ² /g
t-Method External Surface Area.....	5.007E+01	m ² /g
t-Method Micro Pore Surface Area.....	2.680E+00	m ² /g
DR Method Micro Pore Area.....	7.242E+01	m ² /g

PORE VOLUME DATA

t-Method Micro Pore Volume.....	1.211E-03	cc/g
DR Method Micro Pore Volume.....	2.574E-02	cc/g
HK Method Cumulative Pore Volume.....	2.170E-02	cc/g
SF Method Cumulative Pore Volume.....	2.210E-02	cc/g

PORE SIZE DATA

DR Method Micro Pore Width.....	1.082E+02	Å
DA Method Pore Diameter (Mode).....	1.780E+01	Å
HK Method Pore Width (Mode).....	1.398E+01	Å
SF Method Pore Diameter (Mode).....	2.621E+01	Å

DATA REDUCTION PARAMETERS

Thermal Transpiration : ON
Effective Molecule Diameter (D) 3.5400 Å
Effective Cell Stem Inner Diameter (d) 4.0000 mm
Last Po Acquired 723.73 mm Hg
Additional Initialization Information Not Recorded.

BJH/DH Moving Average Size : 1

Interaction Constant (K) 2.9600 nm³ x kJ/mol

Quantachrome Corporation
 Quantachrome Autosorb Automated Gas Sorption System Report
 Autosorb for Windows® for AS-3 and AS-6 Version 1.23

Sample ID	Zeolit HDA/ 20%				
Description	B. Heru				
Comments					
Sample Weight	0.3825 g				
Adsorbate	NITROGEN	Outgas Temp	150.0 °C	Operator	Jajat
Cross-Sec Area	16.2 Å ² /molecule	Outgas Time	2.0 hrs	Analysis Time	57.2 min
NonIdeality	6.580E-05	P/Po Toler	3	End of Run	06/27/2008 12
Molecular Wt	28.0134 g/mol	Equil Time	2	File Name	A8627014.RAW
Station #	4	Bath Temp.	77.40	PC SW Version	Pre-1.20

AREA-VOLUME-PORE SIZE SUMMARY

SURFACE AREA DATA

Multipoint BET.....	2.428E+01	m ² /g
Langmuir Surface Area.....	3.665E+01	m ² /g
t-Method External Surface Area.....	1.161E+01	m ² /g
t-Method Micro Pore Surface Area.....	1.267E+01	m ² /g
DR Method Micro Pore Area.....	3.466E+01	m ² /g

PORE VOLUME DATA

t-Method Micro Pore Volume.....	6.680E-03	cc/g
DR Method Micro Pore Volume.....	1.232E-02	cc/g
HK Method Cumulative Pore Volume.....	1.144E-02	cc/g
SF Method Cumulative Pore Volume.....	1.158E-02	cc/g

PORE SIZE DATA

DR Method Micro Pore Width	7.054E+01	Å
DA Method Pore Diameter (Mode).....	1.640E+01	Å
HK Method Pore Width (Mode).....	1.348E+01	Å
SF Method Pore Diameter (Mode).....	2.528E+01	Å

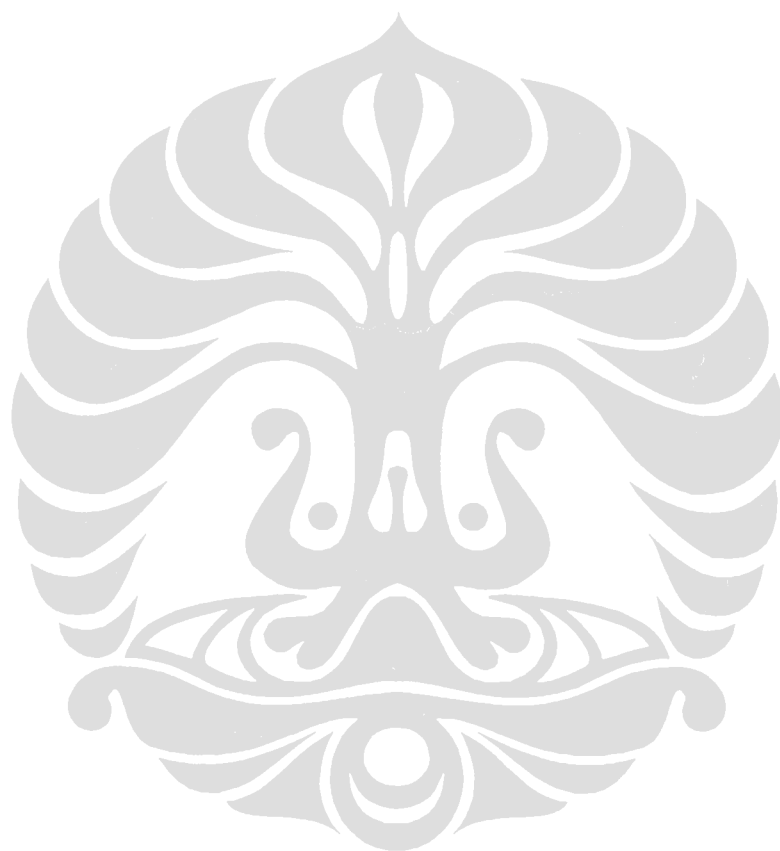
DATA REDUCTION PARAMETERS

Thermal Transpiration : OFF
 Last Po Acquired 763.80 mm Hg
 Additional Initialization Information Not Recorded.

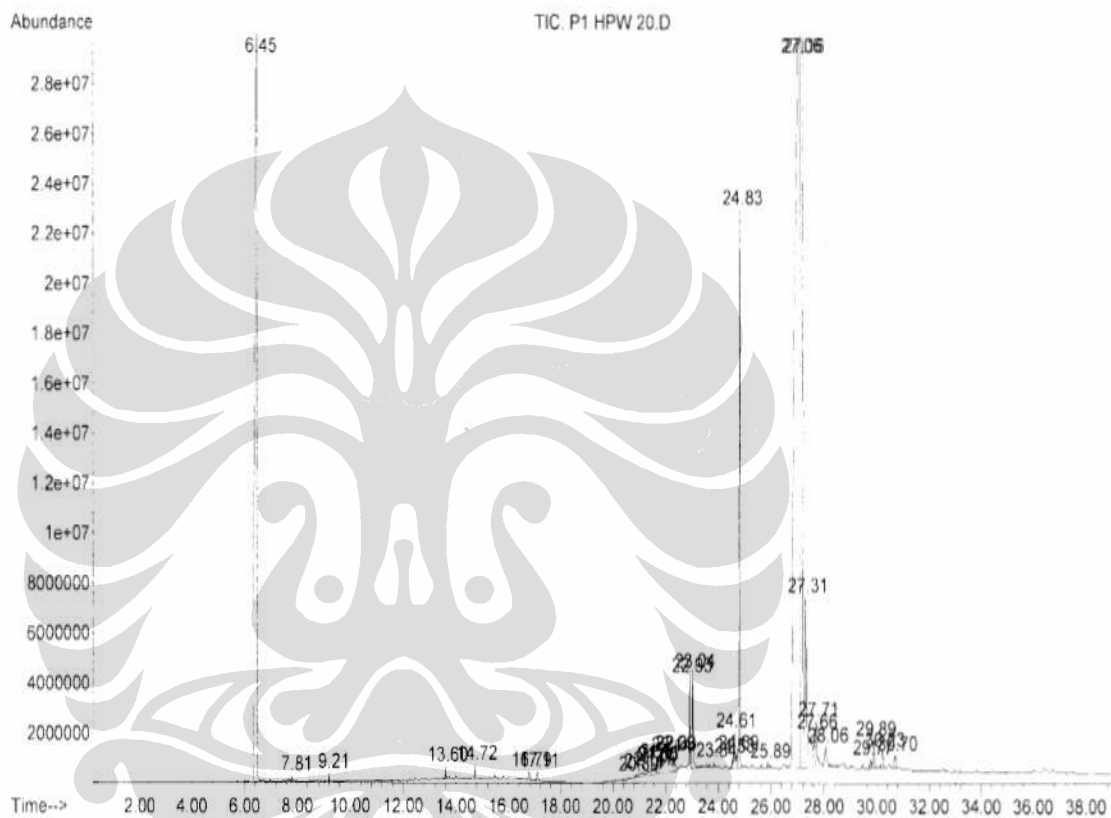
BJH/DH Moving Average Size : 1

Interaction Constant (K) 2.9600 nm³ x kJ/mol

LAMPIRAN 2
DATA ANALISIS GC-MS



File : C:\MSDCHEM\1\DATA\MAHASISWA\S1 TK UI\PANJI DERMAWAN\P1 HPW 20
Operator : PANJI DERMAWAN
Instrument : Instrument #1
Acquired : 2 Jul 2008 9:44 using AcqMethod ASAM LEMAK.M
Sample Name: P1 HPW /20
Misc Info :



Library Search Report

Data Path : C:\MSDCHEM\1\DATA\MAHASISWA\S1 TK UI\PANJI DERMAWAN\
 Data File : P1 HPW 20.D
 Acq On : 2 Jul 2008 9:44
 Operator : PANJI DERMAWAN
 Sample : P1 HPW /20
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7n.1 Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: Chemstation Integrator - JSW.E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	6.45	14.76	C:\Database\wiley7n.1 1-Octanol	26811	000111-87-5	90
			1-Octanol (CAS) \$\$ Octilin \$\$ Alfo	26818	000111-87-5	90
			1 8 \$\$ Sipol L8 \$\$ n-Octanol \$\$ n-			
			Octan-1-ol \$\$ Octyl alcohol \$\$ Oct			
			anol \$\$ n-Octyl alcohol \$\$ Heptyl			
			carbinol \$\$ Caprylic alcohol \$\$ 1-			
			Hydroxyoctane \$\$ Octan-1-ol \$\$ Alc			
			ohol c-8 \$\$ Capryl alcohol \$\$ n-He			
			ptyl carbinol \$\$			
			1-Octanol (CAS) \$\$ Octilin \$\$ Alfo	26814	000111-87-5	90
			1 8 \$\$ Sipol L8 \$\$ n-Octanol \$\$ n-			
			Octan-1-ol \$\$ Octyl alcohol \$\$ Oct			
			anol \$\$ n-Octyl alcohol \$\$ Heptyl			
			carbinol \$\$ Caprylic alcohol \$\$ 1-			
			Hydroxyoctane \$\$ Octan-1-ol \$\$ Alc			
			ohol c-8 \$\$ Capryl alcohol \$\$ n-He			
			ptyl carbinol \$\$			
2	7.81	0.04	C:\Database\wiley7n.1 3-Decanol	58240	001565-81-7	80
			3-Decanol (CAS) \$\$ 3-HYDROXY-DECAN	58242	001565-81-7	74
			E \$\$ 1-Ethyl-1-octanol \$\$ 3-Hydrox			
			ydecane			
			3-Decanol	58243	001565-81-7	56
3	9.21	0.06	C:\Database\wiley7n.1 Tridecane	93371	000629-50-5	97
			Tridecane (CAS) \$\$ n-Tridecane \$\$	93366	000629-50-5	97
			Tridecane, n-			
			Tridecane (CAS) \$\$ n-Tridecane \$\$	93373	000629-50-5	95
			Tridecane, n-			
4	13.60	0.08	C:\Database\wiley7n.1 Heptanoic acid, octyl ester	176813	005132-75-2	72
			Cyclooctane	14045	000292-64-8	70
			Heptanoic acid, octyl ester	176811	005132-75-2	64
5	14.71	0.09	C:\Database\wiley7n.1 Octanoic acid, octyl ester \$\$ n-Oc	195491	002306-88-9	90
			tyl caprylate \$\$ Octyl caprylate \$			
			\$ Octyl octanoate			
			Cyclooctane (CAS) \$\$ Octamethylene	14044	000292-64-8	38
			\$\$ cyclooctane, octamethylene			
			Cyclohexane, 1,2-dimethyl-, cis-	14022	002207-01-4	38
6	16.79	0.12	C:\Database\wiley7n.1 (E)-1,1-Dimethyl-2-(3,3-dimethyl-2-	50468	085851-40-7	46
			butylidene)-cyclopropane \$\$ Cyclop			
			ropane, 1,1-dimethyl-2-(1,2,2-trim			
			ethylpropylidene)-, (E)- (CAS)			
			1-Cyclohexyl-2-methyl-prop-2-en-1-	50314	025183-82-8	41
			one			

Library Search Report

Data Path : C:\MSDCHEM\1\DATA\MAHASISWA\S1 TK UI\PANJI DERMAWAN\
 Data File : P1 HPW 20.D
 Acq On : 2 Jul 2008 9:44
 Operator : PANJI DERMAWAN
 Sample : P1 HPW /20
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7n.1 Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: Chemstation Integrator - JSW.E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			1-Undecene, 8-methyl-	71436	074630-40-3	30
7	17.11	0.13	C:\Database\wiley7n.1 Decanoic acid, octyl ester	231406	002306-92-5	81
			Cyclooctane (CAS) \$\$ Octamethylene	14044	000292-64-8	42
			\$\$ cyclooctane, octamethylene			
			Decanoic acid, hexyl ester	195537	010448-26-7	41
8	20.89	-0.07	C:\Database\wiley7n.1 4,14-BIS(HYDROXYMETHYL)-[2.2]METAC	211269	056752-68-2	60
			YCLOPHANE \$\$ Tricyclo[9.3.1.1(4,8)]hexadeca-1(15),4,6,8(16),11,13-hexaene-5,14-dimethanol (CAS)			
			3,5-Dimethylbenzaldehyde thiocarba	125320	000000-00-0	47
			moylhydrazone			
			Phoxim \$\$ 3,5-Dioxa-6-aza-4-phosph	246723	014816-18-3	44
			aoct-6-ene-8-nitrile, 4-ethoxy-7-p			
			henyl-, 4-sulfide \$\$ Glyoxylonitri			
			le, phenyl-, oxime O,O-diethyl pho			
			sphorothioate \$\$ Bayer 5621 \$\$ Bay			
			er 77488 \$\$ Bayer 9053 \$\$ Baythion			
			\$\$ Benzeneacetonitrile, .alpha.-[
			[(diethoxyphosphi			
9	21.11	0.18	C:\Database\wiley7n.1 4,14-BIS(HYDROXYMETHYL)-[2.2]METAC	211269	056752-68-2	62
			YCLOPHANE \$\$ Tricyclo[9.3.1.1(4,8)]hexadeca-1(15),4,6,8(16),11,13-hexaene-5,14-dimethanol (CAS)			
			1-Nonadecene	208861	018435-45-5	56
			1-Heptadecene (CAS) \$\$ Hexahydroap	171779	006765-39-5	53
			lotaxene			
10	21.47	0.27	C:\Database\wiley7n.1 Silicone grease, Siliconfett	392047	000000-00-0	46
			3'-hydroxy-5'-propylphenyl 2,4-dih	304792	000000-00-0	43
			ydroxy-6-pentylbenzoate			
			2-Ethylacridine	125906	000000-00-0	42
11	21.60	0.17	C:\Database\wiley7n.1 13-Oxabicyclo[9.3.1]pentadecane, 1	179051	000000-00-0	45
			5-chloro-			
			2',4'-DIMETHYLOXANILIC ACID N'-VER	302366	000000-00-0	44
			ATRYLIDENEHYDRAZIDE			
			Hexahydropyridine, 1-methyl-4-[4,5	125674	094427-47-1	43
			-dihydroxyphenyl]-			
12	21.65	0.09	C:\Database\wiley7n.1 9-Octadecenoic acid, (E)-	228774	000112-79-8	45
			HEPTADECENE-(8)-CARBONIC ACID-(1)	228686	000000-00-0	45
			Dodecahydropyrido[1,2-b]isoquinoli	125788	000000-00-0	43
			n-6-one			

Library Search Report

Data Path : C:\MSDCHEM\1\DATA\MAHASISWA\S1 TK UI\PANJI DERMAWAN\
 Data File : P1 HPW 20.D
 Acq On : 2 Jul 2008 9:44
 Operator : PANJI DERMAWAN
 Sample : P1 HPW /20
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7n.1 Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: Chemstation Integrator - JSW.E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
13	21.71	0.16	C:\Database\wiley7n.1 Pentadecane, 2,6,10,14-tetramethyl - (CAS) \$\$ Pristane \$\$ PRISTANE (F IELD ION) \$\$ 2,6,10,14-Tetramethyl pentadecane \$\$ Pristan \$\$ Norphyta n \$\$ Norphytane \$\$ Bute hydrocarbo n \$\$ 2,6,10,14-TETRAMETHYL PENTADE CANE 6-Ethyl-4-oxadecane-1,2-dithiol 3-Methylheneicosane \$\$ Heneicosane , 3-methyl-	211501 167044 261321	001921-70-6	41 38 38
14	22.14	1.15	C:\Database\wiley7n.1 (2,3-Diphenylcyclopropyl)methyl ph enyl sulfoxide, trans- Acetic acid, oxo((1-phenylethyl)am ino)-, hydrazide \$\$ Semioxamazide, 5-(.alpha.-methylbenzyl)- \$\$ 5-(. alpha.-Methylbenzyl)semioxamazide \$\$ 5-(.alpha.-Phenylethyl)semioxam azide 1,2-Dibenzoyl-4-cyano-1,2-dihydroc innoline \$\$ 4-Cinnolinecarbonitril e, 1,2-dibenzoyl-1,2-dihydro- (CAS	283396 125308 310130	000000-00-0	35 15 12
15	22.29	0.15	C:\Database\wiley7n.1 9,12-Octadecadien-1-ol (CAS) \$\$ OC TADCA-9,12-DIEN-1-OL Z,E-3,13-Octadecadien-1-ol 9,12-Octadecadienoic acid, methyl ester	208785 208809 243170	001577-52-2	96 91 84
16	22.33	0.21	C:\Database\wiley7n.1 1,9-Tetradecadiene Z-7-Hexadecen-1-ol acetate Z-9-Hexadecen-1-ol	107091 228747 174492	112929-06-3	95 94 93
17	22.93	0.63	C:\Database\wiley7n.1 Octane, 2-bromo- (CAS) \$\$ 2-Bromoo ctane \$\$ 2-Bromooctane \$\$ 2-Octyl bromide \$\$ sec-Octyl bromide \$\$ 1 -Methylheptyl bromide Octane, 2-bromo- bis(2-Ethylhexyl) ether	102199 102195 177063	000557-35-7	38 38 37
18	23.04	0.76	C:\Database\wiley7n.1 2-phenylethynylquinoline \$\$ Quinol ine, 2-(phenylethynyl)- (CAS) \$\$ 2 -(Phenylethynyl)quinoline Cyclooctane (CAS) \$\$ Octamethylene \$\$ cyclooctane, octamethylene MYRISTIC ACID, OCTYL ESTER	158542 14044 290453	070437-00-2	80 38 38

Library Search Report

Data Path : C:\MSDCHEM\1\DATA\MAHASISWA\S1 TK UI\PANJI DERMAWAN\
 Data File : P1 HPW 20.D
 Acq On : 2 Jul 2008 9:44
 Operator : PANJI DERMAWAN
 Sample : P1 HPW /20
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7n.1 Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: Chemstation Integrator - JSW.E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
19	23.84	0.04	C:\Database\wiley7n.1 Silicone grease, Siliconfett	392047	000000-00-0	53
			Octasiloxane, 1,1,3,3,5,5,7,7,9,9, 11,11,13,13,15,15-hexadecamethyl- 1H-Indole, 1-methyl-2-phenyl- \$\$ I	379834	019095-24-0	49
			ndole, 1-methyl-2-phenyl- \$\$ 1-Met hyl-2-phenylindole \$\$ 2-Phenyl-N-m ethylindole \$\$ N-Methyl-2-phenylin dole	125864	003558-24-5	47
20	24.53	0.12	C:\Database\wiley7n.1 1-Octadecene	190564	000112-88-9	59
			9-Octadecenoic acid, (E)- \$\$ trans -delta.(sup 9)-Octadecenoic acid \$\$ trans-delta.9-Octadecenoic aci d \$\$ trans-Octadec-9-enoic acid \$\$ trans-Oleic acid \$\$ trans-9-Octad ecenoic acid \$\$ Elaidic acid	228773	000112-79-8	58
			1-Docosene	259091	001599-67-3	56
21	24.60	0.37	C:\Database\wiley7n.1 Hexadecanoic acid, octadecyl ester (CAS) \$\$ Stearyl palmitate \$\$ Oct adecyl hexadecanoate \$\$ Octadecyl palmitate \$\$ Palmitic acid, octade cyl ester	370242	002598-99-4	90
			9-Hexadecenoic acid, octadecyl est er	369875	000000-00-0	81
			1-Heptadecene (CAS) \$\$ Hexahydroap lotaxene	171778	006765-39-5	78
22	24.69	0.14	C:\Database\wiley7n.1 13-Hexacosyne	308305	034291-68-4	64
			Z,Z-6,24-Tritriacontadien-2-one	362581	000000-00-0	50
			Bicyclo[4.1.0]heptane, 7-butyl- \$\$ Norcarane, 7-butyl-	50481	018645-10-8	50
23	24.83	7.19	C:\Database\wiley7n.1 2-Formyl-5-[4-(methoxycarbonyl)ben zoyl]pyrrole	196238	000000-00-0	50
			7-PHENYL-2-AZAFLUOREN-9-ONE \$\$ 9H- Indeno[2,1-c]pyridin-9-one, 7-phen yl- (CAS)	196578	062397-37-9	50
			Benz[a]acridine, 1,5-dimethyl-	196606	055030-47-2	47
24	25.90	0.07	C:\Database\wiley7n.1 Z-8-Methyl-9-tetradecenoic acid	174170	000000-00-0	44
			2-Ethylacridine	125906	000000-00-0	38
			2-Methyl-7-phenylindole	125901	001140-08-5	38
25	27.06	39.84	C:\Database\wiley7n.1 9-Octadecenoic acid (Z)-, 2-hydrox y-1-(hydroxymethyl)ethyl ester \$\$	303308	003443-84-3	62

Library Search Report

Data Path : C:\MSDCHEM\1\DATA\MAHASISWA\S1 TK UI\PANJI DERMAWAN\
 Data File : P1 HPW 20.D
 Acq On : 2 Jul 2008 9:44
 Operator : PANJI DERMAWAN
 Sample : P1 HPW /20
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7n.1 Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: Chemstation Integrator - JSW.E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			Olein, 2-mono- Glycerol 2-monooleate olein 2-Monooleoylglycerol 2-Oleoyl glycerol ether lglycerol			
			9-Octadecenoic acid, (E)- Oleic acid, 3-hydroxypropyl ester	228772 290335	000112-79-8 000821-17-0	58 53
26	27.16	27.63	C:\Database\wiley7n.1 Decyl oleate d (Z)-, decyl ester 8-Octadecenoic acid, methyl ester, (E)- Methyl trans-8-octadecenoate Octadec-9-enoic acid	343892 245464 228692	003687-46-5 026528-50-7 000000-00-0	93 87 83
27	27.31	2.81	C:\Database\wiley7n.1 Octadecanoic acid, octyl ester Stearic acid, octyl ester octadecanoate Octadecanoic acid, octyl ester (CA S) ster 3,3':5',3''-bis(dimethylene)-2,2': 6',2''-terpyridine ahydroquino[8,7-b][1,10]phenanthroline	330276 330277 232391	000109-36-4 000109-36-4 096413-21-7	49 47 43
28	27.66	0.48	C:\Database\wiley7n.1 7-Pentadecyne 9,12-Octadecadien-1-ol (CAS) TADECA-9,12-DIEN-1-OL Cyclohexene, 4-(4-ethylcyclohexyl)- 1-pentyl	128099 208785 203503	022089-89-0 001577-52-2 000000-00-0	96 95 91
29	27.72	0.79	C:\Database\wiley7n.1 9-Octadecenoic acid (Z)- (CAS) Oleic acid Oleine 7503 Emersol 211 -Oleic acid Octadecenoic acid enoic acid cid 9-Octadecenoic acid, (E)- HEPTADECENE-(8)-CARBONIC ACID-(1)	228698 228774 228686	000112-80-1 000112-79-8 000000-00-0	90 87 87
30	28.06	0.51	C:\Database\wiley7n.1 9,12-Octadecadienoic acid (Z,Z)- (CAS) Unifac 6550 Telfairic acid	226101	000060-33-3	94

Library Search Report

Data Path : C:\MSDCHEM\1\DATA\MAHASISWA\S1 TK UI\PANJI DERMAWAN\
 Data File : P1 HPW 20.D
 Acq On : 2 Jul 2008 9:44
 Operator : PANJI DERMAWAN
 Sample : P1 HPW /20
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7n.1 Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: Chemstation Integrator - JSW.E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
			\$ Polylin No. 515 \$ cis,cis-Linol eic acid \$ 9,12-Octadecadienoic acid \$ cis-9,cis-12-Octadecadieno ic acid \$ 9,12-O			
			Z-4-Nonadecen-1-ol acetate	275569	000000-00-0	80
			Z,Z-10,12-Hexadecadien-1-ol acetat	226137	000000-00-0	78
31	29.77	0.14	C:\Database\wiley7n.1 1H-Indole, 5-methyl-2-phenyl- (CAS) \$ 5-Methyl-2-phenylindole \$ 2- Phenyl-5-methylindole \$ Indole, 5- methyl-2-phenyl-	125868	013228-36-9	46
			1H-Indole, 5-methyl-2-phenyl- \$ I ndole, 5-methyl-2-phenyl- \$ 2-Phe nyl-5-methylindole \$ 5-Methyl-2-p henylindole	125869	013228-36-9	46
			1,1,1,3,5,5,5-Heptamethyltrisiloxa ne \$ Bis(trimethylsiloxy)methylsi lane \$ Hydromethylsiloxane \$ Tri siloxane, 1,1,1,3,5,5,5-heptamethy l-	146455	001873-88-7	42
32	29.89	0.44	C:\Database\wiley7n.1 2,6-Bis(methylthio)-4-(2-naphthyl) pyridine \$ Pyridine, 2,6-bis(meth ylthio)-4-(2-naphthalenyl)- (CAS)	246236	122913-46-6	50
			3-(3,5-DIOXO-4-PHENYL-1,2,4-TRIAZO LIDINE-1-YL)-3,10-DIMETHYL-2-METHY LIDENE-TRICYCLO(5.2.1.1*4,10)UNDEC A-5,8-DIENE \$ 1,2,4-Triazolidine- 3,5-dione, 4-phenyl-1-(3a,6,7,7a-t etrahydro-7a,9-dimethyl-8-methylen e-1,6-ethano-1H-inden-9-yl)- (CAS) \$ 1,6-Ethano-1	307107	064624-83-5	38
			3-Hydroxydiphenylamine	94131	000101-18-8	35
33	30.23	0.25	C:\Database\wiley7n.1 1,3-Dioxolane, 4-ethyl-5-octyl-2,2 -bis(trifluoromethyl)-, trans- 1-Bromo-11-iodoundecane 4-Trifluoroacetoxypentadecane	298033	038274-73-6	43
				305739	000000-00-0	38
				274929	000000-00-0	38
34	30.70	0.20	C:\Database\wiley7n.1 (+)-dihydrinaulafine \$ ((+)-7,1 2,13,14-tetrahydrocyclopent[de]ind olo[2',3':3,4]prido[1,2-b][2,7]nap hthyridin-4(6H)-one \$ Cyclopent[d e]indolo[2',3':3,4]pyrido[1,2-b][2 ,7]naphthyridin-4(6H)-one, 7,12,13 ,14-tetrahydro- (CAS)	264162	122577-05-3	64
			Methamino,imide derivative of 4-O- carbomethoxylammellicolic anhydride \$ 1H-Benz[de]isoquinoline-1,3(2H	263938	041634-21-3	52

Library Search Report

Data Path : C:\MSDCHEM\1\DATA\MAHASISWA\S1 TK UI\PANJI DERMAWAN\
 Data File : P1 HPW 20.D
 Acq On : 2 Jul 2008 9:44
 Operator : PANJI DERMAWAN
 Sample : P1 HPW /20
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

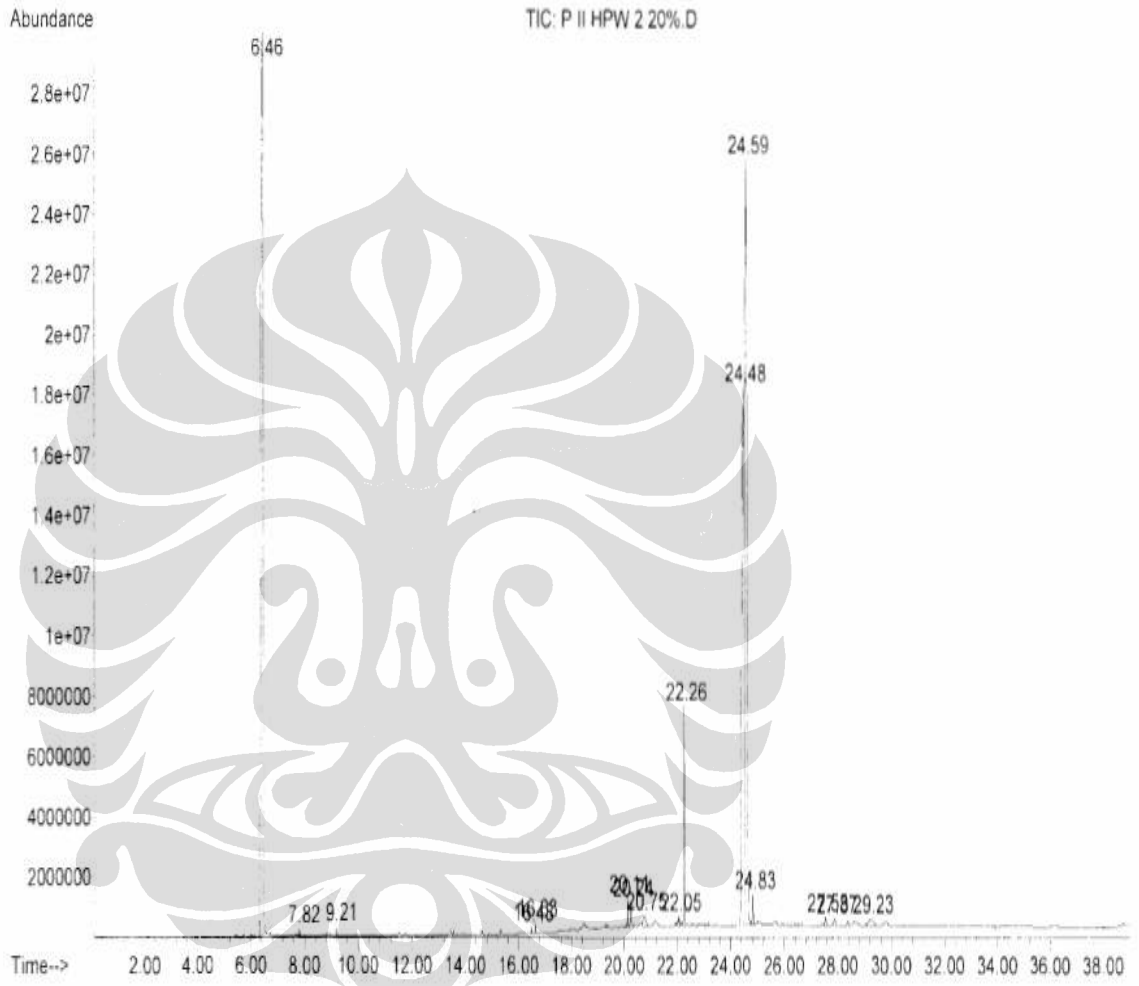
Search Libraries: C:\Database\wiley7n.1 Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: Chemstation Integrator - JSW.E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
)-dione, 6-methoxy-2,7-dimethyl-4, 9-bis(methylamino)- (CAS)			
			6,7,9-Trimethoxy-3-methylbenzo[g]i	263906	077784-10-2	47
			soquinoline-5,10-quinone \$\$ Benz[g]			
			lisoquinoline-5,10-dione, 6,7,9-tr			
			imethoxy-3-methyl- (CAS) \$\$ Bostry			
			coidin dimethyl ether			



File :C:\MSDCHEM\1\DATA\MAHASISWA\SI TK UI\PANJI DERMAWAN\P II HPW
... 2 20%.D
Operator : PANJI DERMAWAN
Instrument : Instrument #1
Acquired : 2 Jul 2008 10:49 using AcqMethod ASAM LEMAK.M
Sample Name: P II HPW /2 20%
Misc Info :



Library Search Report

Data Path : C:\MSDCHEM\1\DATA\MAHASISWA\SI TK UI\PANJI DERMAWAN\
 Data File : P II HPW 2 20%.D
 Acq On : 2 Jul 2008 10:49
 Operator : PANJI DERMAWAN
 Sample : P II HPW /2 20%
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7n.1 Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: Chemstation Integrator - .E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
1	6.46	38.17	C:\Database\wiley7n.1 1-Octanol (CAS) \$\$ Octilin \$\$ Alfo 1 8 \$\$ Sipol L8 \$\$ n-Octanol \$\$ n- Octan-1-ol \$\$ Octyl alcohol \$\$ Oct anol \$\$ n-Octyl alcohol \$\$ Heptyl carbinol \$\$ Caprylic alcohol \$\$ 1- Hydroxyoctane \$\$ Octan-1-ol \$\$ Alc ohol c-8 \$\$ Capryl alcohol \$\$ n-He ptyl carbinol \$\$	26814	000111-87-5	90
			1-Octanol	26811	000111-87-5	90
			1-Octanol (CAS) \$\$ Octilin \$\$ Alfo 1 8 \$\$ Sipol L8 \$\$ n-Octanol \$\$ n- Octan-1-ol \$\$ Octyl alcohol \$\$ Oct anol \$\$ n-Octyl alcohol \$\$ Heptyl carbinol \$\$ Caprylic alcohol \$\$ 1- Hydroxyoctane \$\$ Octan-1-ol \$\$ Alc ohol c-8 \$\$ Capryl alcohol \$\$ n-He ptyl carbinol \$\$	26815	000111-87-5	90
	7.82	0.10	C:\Database\wiley7n.1 3-Decanol (CAS) \$\$ 3-HYDROXY-DECAN E \$\$ 1-Ethyl-1-octanol \$\$ 3-Hydrox ydecane 3-Octanol, 6-ethyl- 3-Decanol	58242	001565-81-7	83
				58275	019781-27-2	83
				58240	001565-81-7	80
	9.21	0.12	C:\Database\wiley7n.1 Tridecane Tridecane Tridecane	93371	000629-50-5	97
				93364	000629-50-5	93
				93367	000629-50-5	91
4	16.48	0.10	C:\Database\wiley7n.1 (E)-1,1-Dimethyl-2-(3,3-dimethyl-2- butylidene)-cyclopropane \$\$ Cyclop ropane, 1,1-dimethyl-2-(1,2,2-trim ethylpropylidene)-, (E)- (CAS) 1-Cyclohexyl-2-methyl-prop-2-en-1- one Z-2-Octadecen-1-ol	50468	085851-40-7	50
				50314	025183-82-8	44
				211427	000000-00-0	41
5	16.64	0.13	C:\Database\wiley7n.1 Decanoic acid, octyl ester Decanoic acid, hexyl ester Cyclooctane	231406	002306-92-5	55
				195537	010448-26-7	46
				14045	000292-64-8	30
6	20.12	0.36	C:\Database\wiley7n.1 Octane, 2-bromo- (CAS) \$\$ 2-Bromoo ctane \$\$ 2-Bromooctane \$\$ 2-Octyl bromide \$\$ sec-Octyl bromide \$\$ 1 -Methylheptyl bromide Octane, 2-iodo- \$\$ sec-Octyl Iodid e \$\$ 2-Iodoctane \$\$ 2-Octyl iodid Octane, 2-bromo-	102199	000557-35-7	43
				172825	000557-36-8	43
				102195	000557-35-7	43

Library Search Report

Data Path : C:\MSDCHEM\1\DATA\MAHASISWA\S1 TK UI\PANJI DERMAWAN\
 Data File : P II HPW 2 20%.D
 Acq On : 2 Jul 2008 10:49
 Operator : PANJI DERMAWAN
 Sample : P II HPW /2 20%
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Search Libraries: C:\Database\wiley7n.1 Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: Chemstation Integrator - .E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
7	20.24	0.46	C:\Database\wiley7n.1 2-phenylethynylquinoline ine, 2-(phenylethynyl)- -(Phenylethynyl)quinoline 1-Nitrodibenzothiophene Octadecanoic acid, 11-methoxy-, me thyl ester, (./-.)- ic acid, 11-methoxy-, methyl ester , (./-.)-	158542	070437-00-2	64
				159201	000000-00-0	49
				279330	055334-49-1	25
8	20.76	0.50	C:\Database\wiley7n.1 1-Nonadecene Cyclohexane, 1,1'-(2-methyl-1,3-pr opanediy)bis- cyclohexyl-2-methyl- hexyl-2-methylpropane Cyclohexane, 1,1'-(2-ethyl-1,3-pro panediy)bis-	208860	018435-45-5	93
				148908	002883-08-1	64
				168716	054833-34-0	64
9	22.05	0.20	C:\Database\wiley7n.1 Hexadecanoic acid, octadecyl ester (CAS) \$\$ Stearyl palmitate \$\$ Oct adecyl hexadecanoate \$\$ Octadecyl palmitate \$\$ Palmitic acid, octade cyl ester Erucic acid \$\$ 13-Docosenoic acid, (Z)- \$\$.delta.13-cis-Docosenoic acid \$\$ cis-13-Docosenoic acid 9-Hexadecenoic acid, eicosyl ester , (Z)-	370242	002598-99-4	48
				288671	000112-86-7	46
				374599	022522-34-5	46
10	22.27	3.65	C:\Database\wiley7n.1 7-PHENYL-2-AZAFUOREN-9-ONE Indeno[2,1-c]pyridin-9-one, 7-phen yl- (CAS) Benz[c]acridine, 5,9-dimethyl- (CA S) \$\$ 5,9-DIMETHYLBENZO(A)ACRIDINE Benz[c]acridine, 5,9-dimethyl-	196578	062397-37-9	50
				196609	003518-03-4	47
				196610	003518-03-4	47
11	24.48	23.67	C:\Database\wiley7n.1 9,12-Octadecadienoic acid, methyl ester, (E,E)- (CAS) \$\$ Methyl lino lelaidate \$\$ METHYL T9, T12 OCTADE CADIENOATE \$\$ METHYL TRANS9, TRANS 12-OCTADECADIENOATE \$\$ Linolelaidi c acid, methyl ester \$\$ Methyl 9-t rans-12-trans-octadecadienoate \$\$ Methyl trans,tran Isopropyl linoleate \$\$ 9,12-Octade cadienoic acid (Z,Z)-, 1-methyleth yl ester 1,3,12-Nonadecatriene	243105	002566-97-4	86
				273683	022882-95-7	74
				203500	000000-00-0	68

Library Search Report

Data Path : C:\MSDCHEM\1\DATA\MAHASISWA\S1 TK UI\PANJI DERMAWAN\
 Data File : P II HPW 2 20%.D
 Acq On : 2 Jul 2008 10:49
 Operator : PANJI DERMAWAN
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 Misc :
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Search Libraries: C:\Database\wiley7n.1 Minimum Quality: 0

Unknown Spectrum: Apex
 Integration Events: Chemstation Integrator - .E

PK#	RT	Area%	Library/ID	Ref#	CAS#	Qual
12	24.59	30.80	C:\Database\wiley7n.1 9-Octadecenoic acid (Z)-, hexadecyl ester \$\$ Oleic acid, hexadecyl ester \$\$ Cetyl oleate \$\$ Hexadecyl oleate \$\$ Palmityl oleate Oleic acid, eicosyl ester \$\$ 9-Octadecenoic acid (Z)-, eicosyl ester HEPTADECENE-(8)-CARBONIC ACID-(1)	369870	022393-86-8	93
				378276	022393-88-0	90
				228686	000000-00-0	87
13	24.83	0.61	C:\Database\wiley7n.1 Octadecanoic acid, octyl ester (CAS) \$\$ Octyl stearate \$\$ Octyl octadecanoate \$\$ Stearic acid, octyl ester \$\$ OCTADECANSABURE, OCTYLESTER Octadecanoic acid, octyl ester 3,3'-Diphenyl[2]staffane	330277	000109-36-4	50
				330275	000109-36-4	50
				234147	000000-00-0	47
14	27.53	0.24	C:\Database\wiley7n.1 5,6-Dimethoxy-2-(4'-methoxyphenyl)-3-methylindole 2-(2'-Pyrazinyl)-phenanthro[9,10-d]loxazole Hexahydropyridine, 1-methyl-4-[4,5-dihydroxyphenyl]-	246379	000000-00-0	49
				246402	000000-00-0	47
				125674	094427-47-1	27
15	27.87	0.22	C:\Database\wiley7n.1 1,3-Dioxolane, 4-ethyl-5-octyl-2,2-bis(trifluoromethyl)-, trans-Cyclotrisiloxane, hexamethyl-2,4-Cyclohexadien-1-one, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-	298033	038274-73-6	38
				146396	000541-05-9	35
				147861	054965-43-4	30
16	29.24	0.67	C:\Database\wiley7n.1 1-Nonadecene Hexadecane, 1-(ethenyloxy)- \$ Ethyl vinyl ether, hexadecyl vinyl \$ HEXADECAL VINYL ETHER \$ Cetyl vinyl ether \$ Vinyl cetyl ether \$ Hexadecyl vinyl ether 1-Docosene	208864	018435-45-5	70
				211413	000822-28-6	64
				259091	001599-67-3	60