

Discrimination Profile

Select Solvent

THF

Vol. Flask (ml)

25

Normalize With

Decane

Pre-Sample								
Contained In Standard	CAS	Manufacturer	Lot #	% Purity	Retention time	Area Counts	Mass (g)	% of Normalized
Hexane	110543	Fluka	1424035	99.0	4.36	46850854	0.0644	104.50
Heptane	142825	Fluka	1449054	99.0	6.46	47585776	0.0676	101.12
Octane	111659	Fluka	1375147	99.5	10.82	45451130	0.0000	
Nonane	111842	Sigma Aldrich	SHBD8765V	99.3	15.19	49267286	0.0706	99.94
Decane	124185	Sigma Aldrich	MKBF1846V	99.0	17.92	50401892	0.0724	100.00
Undecane	1120214	Sigma Aldrich	MKBR5075V	99.4	19.85	51649875	0.0734	100.67
Dodecane	112403	Sigma Aldrich	MKBF7504V	99.0	21.28	54002081	0.0746	103.98
Tridecane	629505	Aldrich	MKBC1560V	99.0	22.45	55860543	0.0745	107.71
Tetradecane	629594	Sigma Aldrich	STBD3071V	99.0	23.46	58190939	0.0757	110.42
Pentadecane	629629	Sigma Aldrich	10117DJ	99.0	24.36	59011440	0.0768	110.37
Ethylene Glycol	107211	Aldrich	J101139Di	-	4.90	14826935	-	-
Propylene Glycol	57556	SAFC	MKBB3091V	-	5.30	20749662	-	-
EGDE	629141	Sigma Aldrich	08303MEV	99.9	5.10	37358214	-	-
Triglyme	112492	Sigma Aldrich	12546	100	21.05	1093575	-	-
Methyl Palmitate	112390	Sigma Aldrich	12547	-	31.05	1013560	-	-

Post-Sample								
Contained In Standard	CAS	Manufacturer	Lot #	% Purity	Retention time	Area Counts	Mass (g)	% of Normalized
Hexane	110543	Fluka	1424035	99.0	4.36	44293606	0.0644	98.80
Heptane	142825	Fluka	1449054	99.0	6.46	45197422	0.0676	96.04
Octane	111659	Fluka	1375147	99.5	10.82	43838633	0.0000	
Nonane	111842	Sigma Aldrich	SHBD8765V	99.3	15.19	48213165	0.0706	97.80
Decane	124185	Sigma Aldrich	MKBF1846V	99.0	17.92	49897409	0.0724	99.00
Undecane	1120214	Sigma Aldrich	MKBR5075V	99.4	19.85	51540466	0.0734	100.46
Dodecane	112403	Sigma Aldrich	MKBF7504V	99.0	21.28	54523212	0.0746	104.99
Tridecane	629505	Aldrich	MKBC1560V	99.0	22.45	56843671	0.0745	109.60
Tetradecane	629594	Sigma Aldrich	STBD3071V	99.0	23.46	59731695	0.0757	113.34
Pentadecane	629629	Sigma Aldrich	10117DJ	99.0	24.36	60804374	0.0768	113.73
Ethylene Glycol	107211	Aldrich	J101139Di	-	4.90	14826935	-	-
Propylene Glycol	57556	SAFC	MKBB3091V	-	5.30	20749662	-	-
EGDE	629141	Sigma Aldrich	08303MEV	99.9	5.11	37358218	-	-
Triglyme	112492	Sigma Aldrich	12546	100	21.05	1093578	-	-
Methyl Palmitate	112390	Sigma Aldrich	12547	-	31.06	1013560	-	-

Peripheral Recoveries

		Prepared (g/L)	Raw Counts
Pre-Sample	EGDE	5.152	37358214
	Triglyme	0.1064	1093575
Post-Sample	EGDE	5.152	37358218
	Triglyme	0.1064	1093578

FID Retention Times (min)

	Pre-Sample	Post-Sample
EGDE	5.10	5.11
Methyl Palmitate	31.05	31.06