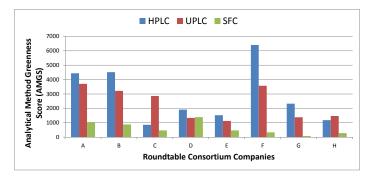
МЕТНОБ	Method Number:		UPLC 0.9		reenness Score		0.00				
Σ	Instrument energy (kW): Number of analytes of int Number of injections/run	iterest:	0.9 1 15	Instrument Energy Score Solvent Energy Score Solvent EHS Score		0.00 0.00 0.00	0.0% 0.0% 0.0%				
									_	_	_
	Stock standard prep voluments of stock standard	ume (mL): rd preps:									
		[Solvent Energy Score per prep	Solvent Energy Score all
	Stock standard diluent Solvent 1 Solvent 2	Acetonitrile	Percent	Volume per prep 0 mL	Density 0.786	EHS 2.241	EHS Score per prep 0.000	EHS Score all preps 0.000	CED/10 5.880	0.000	0.000
SQS	Solvent 2 Solvent 3	Acetone -		0 mL 0 mL	0.791 0.000	2.280 0.000	0.000	0.000	4.070 0.000	0.000	0.000
STANDARDS											
STA	Working Standard prep vo Number of working stand	rolume (mL): dard preps:									
		[Solvent Energy Score per	Solvent Energy Score all
	Standard diluent Solvent 1 Solvent 2	Acetone	Percent	Volume per prep 0 mL	Density 0.791	EHS 2.280 2.241	EHS Score per prep 0.000	EHS Score all preps 0.000	CED/10 4.070	prep 0.000	preps 0.000
	Solvent 2 Solvent 3	Acetonitrile -		0 mL 0 mL	0.786 0.000	2.241 0.000	0.000	0.000	5.880 0.000	0.000	0.000
	Sample prep volume (mL) Number of sample preps:	i):									
PLE		ſ								Solvent Energy Score per	Solvent Energy Score all
SAMPLE	Sample diluent Solvent 1 Solvent 2	Acetone	Percent 0	Volume per prep 0 mL	Density 0.791	EHS 2.280 2.241	EHS Score per prep 0.000	EHS Score all preps 0.000	CED/10 4.070	prep 0.000	preps 0.000
	Solvent 2 Solvent 3	Acetonitrile -	0	0 mL	0.786 0.000	2.241 0.000	0.000	0.000	5.880 0.000	0.000	0.000
	SST prep volume (mL): Number of SST preps:										
L										Solvent Energy Score per	Solvent Energy Score all
SST	SST diluent Solvent 1	Acetone	Percent	Volume per prep 0 mL	Density 0.791	EHS 2.280	EHS Score per prep 0.000	EHS Score all preps 0.000	CED/10 4.070	prep 0.000	preps 0.000
	Solvent 2 Solvent 3	Acetonitrile -	0	0 mL 0 mL	0.791 0.786 0.000	2.280 2.241 0.000	0.000	0.000	4.070 5.880 0.000	0.000	0.000
	Sensitivity Soln prep volu Number of Sensitivity Sol	ume (mL): oln preps:									
SENSITIVITY											
ES	Sensitivity Soln diluent Solvent 1	Acetone	Percent 0	Volume per prep 0 mL	Density 0.791	EHS 2.290	EHS Score per prep 0.000	EHS Score all preps 0.000	CED/10 4.070	Solvent Energy Score per prep 0.000	President Energy Score all preps 0.000
SE	Solvent 2 Solvent 3	Acetonitrile	0	0 mL 0 mL	0.786 0.000	2.280 2.241 0.000	0.000	0.000	5.880 0.000	0.000	0.000
	Mobile phase A	ſ								Solvent Energy Score per	Solvent Energy Score all
S	Solvent 1	DMSO	Percent 10 90	Volume per injection 0.00 mL	Density 1.100	EHS 1.424 1.167	EHS Score per prep 0.000	EHS Score all preps 0.000	CED/10 4.400 6.520	Solvent Energy Score per injection 0.000	injections 0.000
HAS	Solvent 2 Solvent 3	DMA -	90	0.00 mL 0.00 mL	0.937 0.000	0.000	0.000	0.000	6.520 0.000	0.000	0.000
MOBILE PHASES	Mobile phase B										
40B			Percent	Volume per injection	Density	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per injection 0.000	Solvent Energy Score all injections 0.000
~	Solvent 1 Solvent 2 Solvent 3	DMSO DMA	20 50	0.00 mL 0.00 mL 0.00 mL	1.100 0.937 0.000	1.424 1.167 0.000	0.000 0.000 0.000	0.000 0.000 0.000	4.400 6.520 0.000	0.000 0.000 0.000	0.000 0.000 0.000
											<u> </u>
	Flow rate (mL/min):		Run time (min/injection)								
SNS											
INSTRUMENT CONDITIONS	Gradient Time (min)	%A	%B	MP volume per gradient step (mL) A B							
ONIC			%8 100 100 100	A B 0.00 0.00 0.00 0.00							
¥			100 100	0.00 0.00 0.00 0.00							
JME			100 100	0.00 0.00 0.00 0.00							
STRI			100 100 100	0.00 0.00 0.00 0.00 0.00 0.00							
Z	1			Total MP volume per injection (mL) 0.00 0.00							
TES											
NOTES											

			% of greenness score	
	Greenness Score	Instrument Energy Score	Solvent Energy Score	Solvent EHS Score
	2602	34.7%	35.4%	29.9%
	4520	10.3%	62.1%	27.6%
	3314	10.4%	56.5%	33.2%
Α	4104	13.1%	57.4%	29.6%
	6208	18.3%	48.0%	33.7%
	1053	21.3%	68.6%	10.1%
	3207	16.7%	56.4%	26.9%
	3617	32.1%	41.9%	26.1%
В	881	33.9%	57.6%	8.5%
	3213	14.7%	59.3%	26.0%
	2860	7.5%	63.7%	28.8%
_	646	20.8%	69.0%	10.2%
С	306	63.7%	31.7%	4.7%
	863	31.8%	46.3%	21.9%
	2347	31.8%	32.5%	35.7%
	1496	25.8%	47.5%	26.7%
D	1336	3.2%	82.5%	14.3%
	1390	3.8%	83.8%	12.3%
	1527	16.9%	56.8%	26.4%
Е	1125	18.1%	56.5%	25.4%
_	477	44.0%	44.8%	11.2%
	4188	14.3%	55.3%	30.4%
	6412	15.7%	54.3%	30.1%
F	4996	8.6%	61.3%	30.2%
	335	22.3%	67.7%	10.0%
	1549	41.5%	42.3%	16.2%
	87			
	82	69.2% 72.9%	21.4% 17.8%	9.5% 9.3%
	85	70.3%	20.3%	9.4%
G	84	71.2%	19.4%	9.4%
G	82	72.9%	17.8%	9.3%
	3459	18.6%	56.0%	25.4%
	1202	21.4%	52.7%	25.9%
	1378	7.8%	63.9%	28.4%
	1125	18.1%	56.5%	25.4%
н	281 1471	63.9%	31.5%	4.6%
н		7.3%	79.7%	13.0%
	1182	26.1%	64.4%	9.5%
	Average	23.5%	53.8%	22.6%

				Compa	ny Code			
	Α	В	С	D	E	F	G	Н
Type	HPLC							
AMGS	4443	4517	863	1921	1527	6412	2330	1182
Type	UPLC							
AMGS	3709	3213	2860	1336	1125	3577	1378	1471
Type	SFC							
AMGS	1053	881	476	1390	476	335	84	281



		Safety		Í	Health														Waste		
	Release potential	Fire/ Explos.	React./ A Decom. t	Acute toxicity	rritation Chr	Chronictoxi	ency Ha	Air W Hazard H≀	Water Hazard	v	ı	ш	CED	ž	CED/10	Total	Ir Density ti	Incinera- Re	Recycling Bit	Biotreat- V ment E	VOC Emissions
cetone	0.70	0.40	06:0	0:30	1.00	09.0	0.13	09:0	1.00	5.29	1.60	3.23	40.70	2.28	4.07	6.35	0.791	0.50	09:0	0.20	0.20
Acetonitrile	0.61	09'0	1.00	0.51	0.70	0.50	0.34	080	1.00	2.72	1.20	3.44	58.80	2.24	5.88	8.12	0.786	0.30	0.50	0.10	0.40
02	1.00	0.010	0.010	0.03	0.01	0.010	0.47	0.010	0.010	0.010	0.010	0.53	0.01	0.04	00:00	0.04	0.002	10.0	0.01	0.01	0.01
MA	0.26	1.00	0.01	0.50	0.26		06:0	0.50	0.10	0.70	0.63	3.60	65.20	1.17	6.52	69'.	0.937	0:30	09'0	0.30	06:0
MF	0:30	1.00	0.01	0:20	0.30	06.0	06.0	0.50	0.10	09'0	0.010	3.50	65.20	0.28	6.52	08'9	0.948	0:30	09'0	0:30	0.80
DMSO	0.16	1.00	0.01	00:00	0.16		0.50	0.01	0.70	06:0	1.00	3.21	44.00	1.42	4.40	5.82	1.100	0.30	0.40	0.40	06'0
thanol	0.58	1.00	0.01	0.29	0.58	09:0	1.00	0.29	1.00	08:0	0.28	3.99	18.40	0.97	1.84	2.81	0.789	0.50	0.50	0.30	0.40
thylacetate	0.62	1.00	0.01	0.28	0.62		1.00	0.28	1.00	0.70	0.03	4.28	06:0	0.42	60.0	0.51	0.897	0.50	09:0	0.50	0.40
2 (fromgenerator)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.01	0.02	00'0	0.02	0.000	0.01	0.01	0.01	0.01
elium	0.01	0.01	0.01	0.01	0.01	10.0	0.01	10:0	0.01	0.01	0.01	0.07	10.0	0.02	00:00	0.02	0.000	0.01	0.01	0.01	0.01
eptane (n)	0.56	1.00	0.01	0.37	0.56	0:30	1.00	0.37	1.00	09:0	0.43	4.87	7.00	1.08	0.70	1.78	0.684	1.00	0.40	0.50	09.0
exane (n)	99'0	1.00	0.01	0.34	99.0	0.20	1.00	0.34	0.70	0.40	0.43	4.54	9.20	0.92	0.92	1.84	0.659	1.00	0.80	0.40	0:30
propanol	0.56	1.00	0.01	0.32	0.56	09:0	0.80	0.32	1.00	09'0	0.28	3.92	29.10	0.87	2.91	3.78	0.785	0.50	0.50	0:30	0.50
ethanol	0.65	1.00	0.01	0.27	9.0	0.50	1.00	0.27	0.40	09:0	0.01	3.37	18.50	0.27	1.85	2.12	0.792	0.40	0.70	0.30	0.30
MP	0.10	0.57	0.01	0.01	0.10	06.0	06'0	0.01	0.10	06:0	1.00	3.01	135.00	1.39	13.50	14.89	1.028	0.30	0.40	0.30	1.00
trahydrofuran	29'0	1.00	0.01	0:30	29.0	0.40	09:0	0.30	0.70	0.50	0.53	3.10	233.30	0.94	23.33	24.27	0.889	0.50	0.50	0.20	0.30
/ater	0.01	0.01	0.01	0.01	0.010	080	1.00	0.01	1.00	06'0	0.010	3.61	0.01	0.32	0.00	0.32	1.000	0.40	0.20	0.40	09'0

	kWh/injection	Estimated KW Average I	III) XPINI NA	ESTITIBLED KWY AVELAGE KW MAX (TEKWY AVELAGE ACTUAL) [TOTAL THEASURE THEIR]
Atomic Spectrometry				
30	0.1	0		0
FI-IR	0.1	0		0
39	1.5	1.296	2.025	0.81
GC-MS	5.0	0		0
HPLC	1.5	1.0304	1.61	0.644
ICP-MS	1.5	0		0
KF	0.1	0		0
LC-MS	2.0	1.8304	2.86	1.144
OOT	1.5	0		0
N-16	0.1	0		0
NPLC		1.024	1.6	0.64
Particle size analysis	0.1	0		0
Prep LC-MS		2.512	3.925	1.57
Prep SFC		2.9376	4.59	1.836
Raman	0.1	0		0
SFC	1.5	1.1968	1.87	0.748
SFC-MS	5.0	1.94752	3.043	1.2172
Titration	0.1	0		0
UPC2		0.8512	1.33	0.532
UPLC	0.1	0.8576	1.34	0.536
UV -VIS	0.1	0		0
XRD	2.0	0		0

																			68.0 From "A comprehensive erwironmental assessment of petrochemical" (pdf in Green Chemistry\Literature folder) assessed from Fig.											75.2 From "A comprehensive environmental assessment of petrochemical" (pdf in Green Chemistry\Literature folder) assessed from Fig.				
				Prod +		40.4	40.7	58.8	57.4	87.5	29.7	84.3	9.6	29.0	0.0	65.2	44.0	18.4	68.0 From "	35.3	33.4	69.2	7.0	9.2	26.6	18.5	26.2	135.0	17.9	75.2 From "	29.1	233.3	30.7	22.6
				Prod + Pro	Distil Incin	21.0	21.0	8.9	7.22	25.7	19.8	25.0	17.9	22.8	0.0	23.5	44.0	18.9	23.6	20.2	20.5	23.8	17.8	17.7	19.6	19.0	19.8	135.0	18.7	24.4	19.5	40.1	20.0	19.4
Solvent	inerati	on CED	perkg	vent/M	÷	-15.5	-33.9	-29.7	-39.9	-34.1	-53.5	-40.4	-40.2	-27.6		-25.9		-31.7	-27.6	-49.8	-15.9	4.7	-54.5	-55.2	-37.6	-22.2	-22.8		-55.3	-36.5	-36.5	-37.5	-49.3	-49.9
Solvent Sol	distillation incinerati	CED on	perkg per	solvent/M solvent/M	eq. J-eq.	-34.9	-53.6	-79.6	-74.6	-95.9	-63.4	-99.7	-31.9	-63.8		-67.6		-31.2	-72.0	-64.9	-28.8	-50.1	-43.7	-46.7	-44.6	-21.7	-29.2		-54.5	-87.3	-46.1	-230.7	-60.0	-53.1
S	Р	0	Solvent production p	CED	per kg solvent/MJ-eq. J-eq.	55.9	74.6	88.5	97.3	121.6	83.2	124.7	49.8	86.6		91.1	44.0	50.1	92.6	85.1	49.3	73.9	61.5	64.4	64.2	40.7	49.0	135.0	73.2	111.7	9:29	270.8	80.0	72.5
						64-19-7	67-64-1	75-05-8	71-36-3	123-86-4	110-82-7	108-94-1	60-29-7	123-91-1	127-19-5	68-12-2	67-68-5	64-17-5	141-78-6	100-41-4	20-00-0	64-18-6	142-82-5	110-54-3	108-10-1	67-56-1	79-20-9	872-50-4	109-66-0	71-23-8	67-63-0	109-99-9	108-88-3	1330-20-7
						Acetic acid	Acetone	Acetonitrile	Butanol (1-)	Butyl acetate	Cyclohexane	Cyclohexanone	Diethylether	Dioxane	Dimethyl acetamide	Dimethyfformamide	Dimethyl sulfoxide	Ethanol	Ethylacetate	Ethylbenzene	Formaldehyde	Formicacid	Heptane	Hexane	Methyl ethyl ketone	Methanol	Methyl acetate	NMP	Pentane	Propylalcohol (n-)	Propylalcohol (iso-)	Tetrahydrofuran	Toluene	Xylene

NOTES	INSTRUMENT CONDITIONS	MOBILE PHASES	SENSITIVITY	SST	SAMPLE	STANDARDS		METHOD
Based on actual ARBD LC Purey/Assay method URC metho		Mobile phase A Solvent 1 Solvent 3 Mobile phase 8	Sensitivity Soin prep volume (md.): Number of Sensitivity Soin prepar. Sensitivity Soin diluent Auctioninitie Soinent 3 Authoritie Soinent 3	SST pregs volume (ml.): Number of SST pregs: SST dillient Solvent 1 Acctoritite Solvent 2 Vider Solvent 3	Sample preps volume (m.l.): Number of sample preps: Sample dilutent Schwent 2 Varier Schwent 3 Varier Varier	Schemt 2 Water Schemt 3 Water Schemt 3 Working Standard prep volume (milb: Number of working standard propp: Standard dispert Schemt 2 Water Schemt 3 Water	Stock standard prep volume (int): [Number of stock standard preps: [Stock standard dispersion of stock standard preps: [Stock standard dispersion of standard di	Method Number: I's dringue: near y (AVI): Number of naviere of interest: Number of neeten y (AVI): Number of neeten one one of interest:
d using Waters Contess C18, 100	Run time (mhr/rejection) 988 15 15 15 15 15 15 10 100 100	Percent (100)	100 1 Percent 50 0	10 1 Percent 50 50	100 4 4 Percent 50 50	1100 4 Percent 90	50 2 2 Percent	UPI C 0.9 1
mm x 21 mm LD., 16 micron particle	MP volume per gradient step (nA) A D D D D D D D D D D D D D D D D D D	Volums perinjection 0.88 ms 0.00 ms 0.00 ms 0.00 ms 0.01 ms 0.56 ms 0.54 ms 0.00 ms	Volume per prep 50 mt. 50 mt. 0 mt.	Volume per prep 5 mi. 5 mi. 0 mi.	Volume per prep 50 mt. 50 mt. 0 mt.	25 mL 0 mL 50 mL 50 mL 0 mL	Volume per prep	Gre Instrument Energy Score Selvent Energy Score Selvent Energy Score
		Dentity 1 000 0 000 0 000 0 000 0 0785 0 0782 0 0700	Density Density 0.786 0.000	Density Density 0.000	Density 0.786 1.000 0.000	0000 0001 0001 0000 0000 0000	Density 0.786	Greenness Score
		848 0.339 0.000 0.000 0.000 0.000 0.000 0.000	EHS 2.241 0.319 0.000	EHS 2.241 0.300	EHS 2.241 0.319 0.000	0.319 0.000 0.000 0.000 0.000 0.000		343.04 1872.13 1098.71
		EHS Score per prop 11 1000 0000 0000 0000 0000 0000 0000	EHS Score per prep 8:057 11:5955 0.000	EHS Score per prep 8,806 11,595 0,000	EHS Score per prep E 88.057 115.955 0.000		EHS Score per prep	3313.88 36 greenness score 10.4% 56.5% 33.2%
		ElS Scre all props 22.952 0.000 0.000 0.000 ElS Scre all props 14.794 0.453 0.000	EHS Score all preps 88.057 15.955 0.000	8306 1.1595 0.000	EHS Score all preps: 352,2277 63,318 0,000	0.000 US 955 US	EHS Score all preps	
		CED/10 Solve 0.0077 0.000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0	CED/10 Solvent 4.523 0.077 0.000	GED/10 Solve 4.523 0.077 0.000	CED/10 Solvent A 523 Solvent 0.000		CED/10 Solve	
		Solvent Energy Score par Solvent	Energy Score po prep 177.757 3.846 0.000	Solvent Energy Scare per Solven prep prep 17776 17776 0.000	nt Energy Score po prep 177.757 3.846 0.000	1 1923 0.000 Solvent Energy Score per Solvent Energy Score per 177.757 13 846 0.000	Solvent Energy Score per Solves prep 88.878	
		Solvent Energy Score all	Solvent Energy Score all preps 177.755 177.755 1000	Solvent Energy Score all preps. 17.776. 0.385 0.000		3.846 0.000 Solvent Energy Score all pres 711.028 15.385 0.000	Solvent Energy Score all press 577.57	

0.786

NOTES INSTRUMENT CONDITIONS		E PHASES	SENSITIVITY	SST	SAMPLE		DARDS	METHOD
Gardeet (6) 5/4 (6) (6) (7) (8) (7) (8) (7) (8) (7) (8) (7) (8) (7) (8) (7) (8) (7) (8) (7) (8) (7) (8) (7) (8) (8) (7) (8) (8) (8) (8) (8) (8) (8) (8) (8) (8	Acetontrile Methanol	Mobile phase A Mobile phase A Via er Solvent 3	Senithky Seh grey polume (ml.): Number of Senitivky Seh preps: Number of Senitivky Seh preps: Senithky Seh dilatet Actionatile Solvent 2 Vivies Vivies	SST dilumit Solvent 2 Solvent 2 Solvent 3	Sample prep volume (mt.): Number of Sample preps: Sample of Number of Sample preps: Sample preps: Number of Sample preps: Number of Sample preps: Number of Sample preps: Number of Sample preps: Sample preps: Number of Samp	Working Standard gregs volume (mt): Number of working standard gregs: Standard dissert Standard dissert Acctoratrile Standard dissert Water Standard dissert Acctoratrile Standard dissert Water	Stock standard greps volume (ml.): Number of stock standard gregos: Stock standard distent Stock standard distent Accromotive Solvent 2 Voltor Solvent 3 Voltor	Method Number: Technique: Instrument energy (AVI): Number of market of interest: Number of instrument or one full analysis:
1 PPLC method using Core Shell	Percent 100 0	Percent 100	100 1 Percent 100 0	Percent 100	10 4 4 Percent 100 0	100 4 4 Percent	2 2 Percent Por	UPIC 0.9 1.5
AP volume per godient step (nd.) A	objection 10 10 0 ml 10 10 0 ml 10 10 ml	Volume perinjection 11.25 ml. 0.00 ml. 0.00 ml.	Volume per prop 100 rel 0 mil 0 mil	Volume per prep 10 mil. 0 mil. 0 mil.	Volume per prep. 10 mt. 0 mt. 0 mt.	Volume per prep 100 mi. 00 mi. 00 mi.	Volume per prep 50 mt, 0 mt, 0 mt,	Instrument Energy Score Solvent Energy Score Solvent Energy Score
on particle and shorter retents	Density 0.786 0.792 0.000	Density 1.000 0.000	Density 0.786 1.000	Density 0.786 1.000	Densky 0.786 1.000	Density 0.786 1,000	Density 0.786 1.000	Greenness Score
on time (20:35 m.ln)	EHS 2.241 0.272 0.000	EHS 0.319 0.000 0.000	EHS 2.241 0.319	EHS 2.241 0.319 0.000	EHS 2.241 0.319 0.000	EHS 2.241 0.319 0.000	EHS 2.241 0.319	98.00 536.00 2353.81 1213.82
	EHS Score per prep 0.986 0.030 0.000	EHS Score per prep 3589 0.000	EHS Score per prep 176,114 0.000 0.000	EHS Score per prep 17-611 0,000 0,000	EHS Soore per prep 17:511 0.000	EHS Score per prep 176.114 0.000 0.000	EHS Sorre per prep 88.057 0.000	4103.63 % of greenness score 13.1% 57.4% 29.6%
	EHS Score all preps 14.794 0.453 0.000	EHS Score all preps 53 837 0.000	EHS Score all preps 176.114 0.000 0.000	EHS Score all preps 17.511 0.000 0.000	EHS Score all preps: 70.445 0.000 0.000	EHS Score all preps 704.454 0.000 0.000	EHS & ore all preps 176.114 0.000 0.000	
	GED/10 4.523 0.077 0.000	CED/10 0.077 0.000 0.000	CED/10 4.523 0.077	GED/10 4.523 0.077 0.000	4.523 0.077 0.007	GED/10 4.523 0.077	CED/10 4.523 0.007	
	Solvent Energy Score per 1.991 0.009	Solvent Energy Score per injection 0.865 0.000	Solvent Energy Score per prep 355 514 0.000 0.000	Solvent Energy Score per prep 35.551 0,000 0,000	Solvent Energy Score per prep 35.55.1 35.55.1 0.000 0.000	Solvent Energy Score per prep prep 0.355.514 0.000 0.000	Solvent Energy Score per prep 177.757 0.000 0.000	
	Solvent Energy Score all injections 29.863 0.128 0.000	Solvent Energy Score all injections injections 12.978 0.000 0.000	Selvent Energy Score per Solvent Energy Score all props 355 514 355 514 0000 0000 0000 0000	Solvent Energy Score per Solvent Energy Score all perg	Solvent Energy Score all preps 112.206 0.000 0.000	Solvent Energy Score all press 1,000 0,000 0,000	Solvent Energy Score all preps	

NOTES INSTRUME		SILE PHASES	SENSITIVITY	SST शबाबाबा	SAMPLE	STAND		METHOD
Methol Villetied Aglier	Acetonicis Acetonicis	doble phase A obvent 1 obvent 2 obvent 3 obvent 3 obvent 3	Smallwity Son prep volume (ml): Number of Smallwity Son preps: Number of Smallwity Son preps: Solvent 1	ST proportaine (mt): Number of ST props: ST disent Accipatible Solvent 1 Accipatible Solvent 2 Will or	Sample prey volume (m.); Number of sample preys: Sample diluted Sample diluted Sample diluted Sample diluted Acronalrie Sample diluted Acronalrie	Working Standard preps volume (mt.): Number of working Standard preps: Standard dispert Solvent 1 Ward to divide Solvent 2 Ward to divide Solvent 3	Stock standard prep volume (mt): Number of Stock standard preps: Number of Stock standard preps: Stock standard divent Solvent 3 Acetoninie Solvent 3 Acetoninie Solvent 3	Method Number: dednique: ednique: strument energy (AVI): fumber of analyties of interest: fumber of injections/runs for one full analysis:
90 10 100 100 100 100 100 100 100 100 10	Run time (min/injection) 4 50 50 50 50 50 50	Percent 100	100 1 Percent 30 70	10 1 1 Percent 30 70	259 4 4 Percent 30 70	250 4 Percent 30 70	250 2 2 Percent 30 70	10 10 15
270 059 079 000 000 000 par hjecton (mt) 19.83 m (longer time, core shell	Will was perinjection OS sent. OS	Volume per injection 24.18 mt. 0.00 mt. 0.00 mt.	Volume per prep JO ms. 70 ms. 0 ms.	Volume per prep 3 ml 7 ml 7 ml	Volume per prop 75 m. 175 m. 1 m.	Volume per prop 175 ml. 176 ml. O ml.	Volume per prep 75 mL 175 mL 0 mL	Grantument Energy Score Instrument Energy Score Solvent Energy Score Solvent Energy Score
Type-real UP/Q	Doubly 0.000	Density 1.000 0.000	Density 0.786 1.000	Density 0.786 0.000	Density 0.786 1.000	Density 0.786 1.000	Density 0.786 1.000	Greenness Score
	2.221 1 0.0000 0.0000	EHS 0.319 0.000	EHS 2.241 0.319	EHS 2.241 0.319 0.000	EHS 2.241 0.319 0.000	EHS 2.241 0.319 0.000	EHS 2.241 2.319 0.000	1133.44 2981.97 2092.46
	EHS Score per prep 0.096 0.000 0.000	EHS Score per prep 7.714 0.000 0.000	EHS Score per prep 52,834 22,336 0,000	EHS score per prep 5.283 2.234 0.000	EHS Score per prep 132.085 55.841 0.000	EHS Score per prep 132.085 55.841 0.000	EHS Score per prep 132,085 55,841 0,000	6207.87 % of greeness score 18.3% 43.0% 33.7%
	EMS Sort sell props. 147794 0.0000 0.0000	EHS Score all preps 115.711 0.000 0.000	EHS Score all preps 52.834 22.336 0.000	EHS Score all preps 5.283 2.224 0.000	EHS Score all preps 538,341 223,365 0.000	EHS Score all props 528,341 223,365 0,000	EHS 5: ore all preps 264.170 111.682 10000	
	000/10 0.000 0.000	CED/10 S	CED/10 5 4.523 0.007	GED/10 S 4.523 0.077	GED/10 S 4.523 0.077	GB/10 \$ 0.0077 0.000	4,523 0,000	
		Solvent Energy Score per injection 1860 0.000	Solvent Energy Score per 1 106.654 5.385 0.000	Solvent Energy Score per 10.665	Solvent Energy Score per 1266 535 13.462 0.000	Solvent Energy Score per prop 266 535 13.4 62 0.000	Solvent Energy Score per prep 266.635 134.62 0.000	
	1940 y aux en hjetory 2000 y 2	Solvent Energy Score all bijections 27,894 0.000 0.000	- Solvent Energy Score all pregs - 10.6.65-4	Solvent Energy Score all props. 10.0655 0.538 0.000	Solvent Energy Score all props 1066-542 53-845 0.000	Solvent Energy Score all props. 1066-542 153-846 1000	F Solvent Energy Score all preps 532.71 532.71 56.923 0.000	

NOTES	INSTRUMENT CONDITION		[inlinite] >II	PHASES	SENSITIVITY		SST		SAMPLE		[alaka]	STAND	ARDS		METH	
Ypical methods way by analyte. Recently we had a fe	Time (min)	Flow rate (mL/min):	Mobile phase 8 Solvent 1 Vrater Solvent 2 Accommité Solvent 3	Vobile phase A Vobile phase A Water Solvent 2 Action title Solvent 3	Sensitivity and prop bookins (IRIS): Unified of Sensitivity Vola props: Vola Sensitivity Vola props: Land Control of Co	ensificity sala area volume (ml).	SST dikent Acetoritie Solvent 1 Acetoritie Solvent 3	SST prepvolume (mL): Number of SST preps:	iohent 1 Acetontrile Solvent 2 Water Solvent 3 -	Sample prep volume (m.l): Number of sample preps:	Solvent 1 Acetontrile Solvent 2 Water Solvent 3	Working Standard prep volume (m.l.: Number of working standard preps:	Solvent 1 Acetonitrile Solvent 2 Water Solvent 3 .	Stock standard prep volume (mL): Number of stock standard preps:	technique: nstrument energy [kW]: Number of analytes of interest: Number of injections/runs for one full analysis:	Method Number:
w very very non-polar intermed	10 00 00 00 00 00 00 00 00 00 00 00 00 0	Run time (min/injection)	Percent 60 40	Percent 95	Percent 9 5 5 9 9 5 9 5		Percent 5	50	Percent 5 5 95 0	100	Percent 5 95	100	Percent 5 95	100	HPLC 1.0 1 15	
tes using a lot of 960 but on average the amounts are	All and summer per gradient of step (mst.) A B JES		Volume perinjection 13.99 mL 9.33 mL 0.00 mL	Volume perinjection 27.73 mL 1.46 mL 0.00 mL	O m.I. O m.I. So rout No so rout A country of the page and the page an	ı	Volume per prep 2.5 mL 47.5 mL 0 mL		Volume per prop		O mL 95 mL 5 mL 5 mL		Volume per prep 5 mL 95 mL 0 mL		Instrument Energy Score Solvent Energy Score Solvent EHS Score	Gr
provided. We also had ver			Density 1.000 0.786 0.000	Density 1.000 0.786 0.000	Density 0.786 1.000 0.000	ı	Density 0.786 1.000 0.000		Density 0.786 1.000 0.000		Density 0.786 1.000 0.000		Density 0.786 1.000 0.000			Greenness Score
yvery polar final that need			EHS 0.319 2.241 0.000	EHS 0.319 2.241 0.000	EHS 2,241 0,319 0,000	ı	EHS 2.241 0.319 0.000		EHS 2.241 0.319 0.000		EHS 2.241 0.319 0.000		EHS 2.241 0.319 0.000		901.60 922.31 777.96	re
ed a mostly water se paration			EHS Score per prep 4.464 16.423 0.000	EHS Score per prep 8.847 2.570 0.000	EHS Score per prep 8.806 9.314 0.000	ı	EHS Score per prep 4.403 15.157 0.000		EHS Score per prep 8.806 30.314 0.000		EHS Score per prep 8.806 30.314 0.000		EHS Score per prep 8.806 30.314 0.000		% of greenness score 34.7% 35.4% 29.9%	2601.87
at most40% acctonitrile			EHS Score all preps 66.953 246.352 0.000	EHS Score all preps 132.712 38.551 0.000	EHS Score all preps 8.806 90.314 0.000	ı	EHS Score all preps 4.403 15.157 0.000		EHS Score all preps 17.611 60.628 0.000		EHS Score all preps 17.611 60.628 0.000		EHS Score all preps 17.611 60.628 0.000			
Ш		1	CED/10 0.001 5.880 0.000	GED/10 0.001 5.880 0.000	GED/10 5.880 0.001 0.000	ı	0.000 0.001 0.000		CED/10 5.880 0.001 0.000		CED/10 5.880 0.001 0.000		GED/10 5,880 0,001 0,000			
			Solvent Energy Score per Solvent Energy Score all Injection Injections In	Solvent Energy Score per Injection 0.028 0.028 6.744 0.000	Solvent Energy Score per prep 2.3.108 0.095 0.000		Solvent Energy Score per prep 11.554 0.048 0.000		Solvent Energy Score per prep 23.108 0.005 0.000		Solvent Energy Score per prep 23.108 0.095 0.000		Solvent Energy Score per prep 23.108 0.095 0.000			
			Solvent Energy Score all injections injections (2.20 646.492 0.000	Solvent Energy Score all injections 0.416 0.416 101.167 0.000	Solvent Energy Score all preps 23.108 0.095 0.000		Solvent Energy Score all preps 11.554 0.048 0.000		Solvent Energy Score all preps 46.217 0.190 0.000		Solvent Energy Score all preps 46.217 0.190 0.000		Solvent Energy Score all preps 46.217 0.190 0.000			

NOTES	INSTRUMENT CONDITION		relialia - II	PHASES	SENSITIVITY		SST		SAMPLE		Talia la	STAND	ARDS	[TIM	METH	
ypical methods vary by analyte. Recently we had a fe	Time (air) VAA 5 5 5 6 7 7 7 7 7 7 7 7 7 7 7 7	Flow rate (mL/min):	Mobile phase 8 Solvent 1 Water Solvent 2 According	Nobile phase A Valer Solvent 1 Water Solvent 2 Actionable Solvent 3	Summer of Sensitivity Admires (mt.): Williams of Sensitivity Admires (mt.): Sensitiv	ensitivity solo prepyolume (ml.):	SST dilvent Acetomrtie Solvent 1 Acetomrtie Solvent 3 Valer	SST prep volume (ml.): Number of SST preps:	Solvent 1 Acetoritrile Solvent 2 Water Solvent 3 - 4	Sample prep volume (mL): Number of sample preps:	Solvent 1 Accontrile Solvent 2 Water Solvent 3	Working Standard prep volume (mL): Number of working standard preps:	Solvent 1 Acetonitrie Solvent 2 Water Solvent 3 -	Stock standard prep volume (mL): Number of stock standard preps:	technique: nstrument energy (kW): Number of analytes of interest: Number of injections/runs for one full analysis:	Polar 1
w very very non-polar intermed	\$ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Run time (min/injection) 18	Percent 10 90	Percent 100	1 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100	Percent 60 60 0	50	Percent 60 40 0	100	Percent 60 40	100	Percent 60 40	100	HPLC 1.0 1 1	
ates using a bit of %8 but on average the amounts are	Mb volume per godient step (nd.) A 8 23.5 3.00 1.46 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.00 in this volume per bjecton (nd.) 15.92 11.68		Volume perinjection 1.17 mL 10.51 mL 0.00 mL	Volume perinjection 15.92 ml. 0.00 ml. 0.00 ml.	Volume per prep 60 ml 40 ml o mt	ı	Volume per prep 30 ml. 20 ml. 0 ml.		Volume per prep 60 mL 40 mL 0 mL		Volume per prep 60 mL 0 mL		Volume per prep 60 ml. 40 ml. 0 ml.		Instrument Energy Score Solvent Energy Score Solvent EHS Score	Gr
provided. We also had ve			Density 1.000 0.786 0.000	Density 1.000 0.786 0.000	Density 0.786 1.000 0.000	ı	Density 0.786 1.000 0.000		Density 0.786 1.000 0.000		Density 0.786 1.000 0.000		Density 0.786 1.000 0.000			Greenness Score
ryvery polar final that nee			EHS 0.319 2.241 0.000	EHS 0.319 2.241 0.000	EHS 2.241 0.319 0.000	ı	EHS 2.241 0.319 0.000		EHS 2.241 0.319 0.000		EHS 2.241 0.319 0.000		2.241 0.319 0.000		463.68 2808.90 1247.68	re
de d a mostly water separati			EHS Score per prep 0.373 18.509 0.000	EHS Score per prep 5,081 0,000 0,000	EHS Score per prep 105,668 12,764 0,000	ı	EHS Score per prep 52.834 6.382 0.000		EHS Score per prep 105,668 12.764 0.000		EHS Score per prep 105.668 12.764 0.000		EHS Score per prep 105.668 12.764 0.000		% of greenness score 10.3% 62.1% 27.6%	4520.26
on at most40% acetonitrile			EHS Score all preps 5,5,89 277,636 0,000	EHS Score all preps 76.21.1 0.000 0.000	EHS Score all preps 105,668 12,764 0,000	ı	EHS Score all preps 52.834 6.382 0.000		EHS Score all preps 211.336 25.527 0.000		EHS Score all preps 211.336 25.527 0.000		EHS Score all preps 211.336 25.527 0.000			
Ш			0.001 5.880 0.000	CED/10 0.001 5.880 0.000	GED/10 5.880 0.001 0.000	ı	CED/10 5.880 0.001 0.000		0.000 0.000 0.000		5.880 0.001 0.000		CED/10 5.880 0.001 0.000			
Ш			Solvent Energy Score pe injection 0.001 48.573 0.000	Solvent Energy Score per injection 0.016 0.000 0.000	Solvent Energy Score per prop 277-301 0.040 0.000	ı	Solvent Energy Score per prep 138.650 0.020 0.000		Solvent Energy Score per prep 277 301 0.040 0.000		Solvent Energy Score per prep 277.301 0.040 0.000		Solvent Energy Score per prep 277.301 0.040 0.000			
			Solvent Energy Score part Solvent Energy Score all	s Solvent Energy Score all injections 0.239 0.000 0.000	Solvent Energy Score all preps 277 301 0,000 0,000		Solvent Energy Score all preps 138,650 0.020 0.000		sr Solvent Energy Score all pregs 554.602 0.080 0.000		50 vent Energy Score all preps 554.602 0.080 0.000		Solvent Energy Score all preps 554,602 0.080 0.000			

NOTES	INSTRUMENT CONDITIONS		PHASES	SENSITIVITY	SST SSSS ESS	SAMPLE		DARDS ভাছাতাঃ হাঃগ	METHOD
pical methods vary by analyte. Recently we had a f	Timet (min) %A %A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Mobile phase 8 Solvent 1 Valer Solvent 2 Acctionable Solvent 3 Flow rate (mt/min):	obile phase A Water Nent 1 Water Actionarile Actionarile	Smalthirly Soft per profume (mil): Number of Smallivity Soft preps: Number of Smallivity Soft preps: Softwart 1 Softwart 2 Water Softwart 3 Water	SST preps volume (md.): Number of SST preps: SST disent Acctonicle Solvent 1 Acctonicle Solvent 3	Number of sample preps: Number of sample preps: Sample diluent Solvent 1 Accountrile Solvent 2 Viant	Working Standard gregs volume (m.l.): Number of Norshing Standard gregss: Number of Standard Standard gregss: Standard dilisent Act etonitrils Solvent 2. Water Solvent 3.3	Stack standard gregs volume (in)); Number of stock standard props: Stack standard diluent Accountile Solvent 2 Volume Solvent 3	Polar I Pol
ew very very non-polar intermed at	946 1000 1000 1000 1000 1000	Percent 25 75 75 75 Run time (min/n)ection)	Percent 100	100 1 Percent 40 0	90 1 Percent 40 60	2 2 2 Percent 40 60 60 60 0	1100 2 2 Percent 40 60	2 2 Percent 40 60	UPC 0.9
using a lot of HB but on average the amounts a	MP volume per gradient step (mt) A	Volume perinjection 202 ml. 600 ml. 000 ml.	Volume perinjection 4.40 mL 0.00 mL 0.00 mL	Volume per prep 40 mL 60 mL 0 mL	Volume per prep 20 ml. 30 ml. 0 ml.	Volume per prep 40 mL 60 mL 0 mL	Volume per prep 40 mL 60 mL 0 mL	Volume per prep 40 ms. 60 ms. 0 ms.	Gi Instrument Energy Score Solvent Energy Score Solvent Ens Score
re provided. We also had very		Density 1.000 0.786 0.000	Density 1.000 0.786 0.000	Density 0.786 1.000	Density 0.786 1.000 0.000	Density 0.786 1.000 0.000	Density 0.786 1.000	Density 0.776 1.000 0.000	Greenness Score
very polar final that need		EHS 0.319 2.241 0.000	EHS 0.319 2.241 0.000	EHS 2.241 0.339 0.000	EHS 2.241 0.319 0.000	EHS 2.241 0.319 0.000	EHS 2.241 0.339 0.000	EHS 2.241 0.319 0.000	\$36.00 1808.05 863.12
ed a mostly water separation.		EHS Score per prep 0.646 10.695 0.000	EHS Score per prep 1.405 0.000 0.000	EHS Score per prep 70,445 19 146 0000	EHS Score per prep 35,723 95,73 0,000	EHS Score per prep 70,445 19,146 0,000	EHS Score per prep 70,445 19,146 0,000	EHS Score per prep 70.445 19.146 0.000	3207.16 % of greeness score 16.7% 56.0% 25.9%
at most40% acet on trile		EHS Score all preps 9.689 160.424 0.000	EHS Score all preps 21.074 0.000 0.000	EHS Score all preps 70,445 19,146 0,000	EHS Score all preps 35 223 9.573 0.000	EHS Score all preps 140.891 38.291 0.000	EHS Score all preps 140.891 38.291 0.000	EHS Score all preps 140.891 38.293 0.000	
ш		CED/10 0.001 5.880 0.000	CED/10 0.001 5.880 0.000	CED/10 0.001 0.000	0.000 0.000	GED/10 GED/20 5.880 0.000	CED/10 CED/10 0.000	GED/10 5.880 0.001	
		Schemit Energy Score per Schemit Energy Score all injection Injection Injection O.002 O.009 O.009 O.000 O.00	Solvent Energy Score per 1 injection 0.004 0.000 0.000	Solvent Energy Score per	Solvent Energy Score per	Solvent Energy Score per 1	Solvent Energy Score per 1	Solvent Energy Score per 1	
		Solvent Energy Score all injections 0.030 420.995 0.000	Solvent Energy Score all injections 0.066 0.000 0.000	- Solvent Energy Score all props. 184-86.7 1000 0.000	Solvent Energy Score all preps Score all preps Score all 0.000	Solvent Energy Score all props 36973-4 36973-0 0.000	Solvent Energy Score all preps 189-72-4 0.120 0.000	Solvent Energy Score all prepa 359.724 0.000	

NOTES	INSTRUMENT CONDITIONS	MOBILE	PHASES	SENSITIVITY	SST	SAMPLE	STANDA	RDS	METHOD
Method is assay and degradation products method (analytes = 7). Mobile phase additive is 0.05% ITA. At also run a low level linearity standard which inn't captured specifically in the above tobbs: it is prepared in a 1 x 200 ml volumetric flast. To account for this i have Phase 3 validated.	Flow rate (mL/min): Run time (min/rejection)	Methanol	Mobile phase A Parcent	Number of Sentitivity Soln prepostures (mt); 100 Number of Sentitivity Soln prepos: 1 1	nol	Sample prop volume (mil.): 100	Working Shandard prep volume (int): 100 Number of working shandard preps: 2 Shandard Shaest Percent Colonent 2 Inching the colonest of shaest Scokent 3 Inching the colonest of shaest Sockent 3 Inching the colonest of shaest Sockent 3 Inching the colonest of shaest Sockent 3 Inching the colonest of shaest	Stock standard grop column (m/s) 100	Method Number: VoH-9C-phibhed method Gednique Gednique SrC Instrument energy (WH): 1.2 Number of highetiens/runs for one full analysis: 15
added 4 (50 mi) additional SST preparations. Please n	MP volume per gradient step (ml.) A B 29.25 15.75 0.000 0.00 0.000 0.00 0.000 0.00 0.000 0.00 0.000 0.00 0.000 0.00 0.000	Volume per injection 15.75 mL 0.000 mL 0.000 mL	Volume per injection 29.25 ml 0.000 ml 0.000 ml	Volume per prap 100 ml. 0 ml. 0 ml.	Volume per prep 50 ntl. 0 mtl. 0 mtl.	Volume per prep 1000 ml. 0 ml. 0 ml.	Volume per prop 100 mil. 0 mil. 0 mil. 0 mil.	Volume per prep 100 mL 0 mL 0 mL	Gi Instrument Energy Score Solvent Energy Score Solvent BHS Score
emove if this causes issues.		Densitγ 0.792 0.000	Density 0.002 0.000 0.000	Density 0.792 0.000	Density 0.792 0.000 0.000	Density 0.792 0.000 0.000	Density 0.792 0.000 0.000	Density 0.792 0.000	Greenness Score
		EHS 0.272 0.000 0.000	EHS 0.038 0.000	EHS 0.2272 0.0000 0.0000	EHS 0.272 0.200 0.000	EHS 0.272 0.000 0.000	8H5 0.2272 0.000 0.000	EHS 0.272 0.000 0.000	224.40 722.53 106.38
		EHS Score per prep 3.397 0.000 0.000	EHS Score per prep 0.002 0.000 0.000 0.000	EHS Score per prep 21.570 0.000 0.000	EHS Score per prep 10.785 0.000 0.000	EHS Score per prep 21.570 0.000 0.000	EHS Score per prep 21,570 0,000 0,000	EHS Score per prep 21.570 0.000	1053.31 % of greenness score 21.3% 68.6% 10.1%
		EHS Score all preps 50.958 0.000 0.000	EHS Score all preps 0.033 0.000 0.000	EHS Score all preps 21.570 21.000 0.000	EHS Score all preps 10.785 0.000	EHS Score all preps 43.139 0.000	B45 Score all preps 43.139 0.000 0.000	EHS score all preps 43.139 0.000	
		CED/10 1.850 0.000	0.000 0.000 1.000 0.001	CED/10 1.850 0.000 0.000	CED/10 1.1850 0.0000	CED/10 1.850 0.000	CED/10 1.859 0.000	CED/10 1.850 0.000	
		Solvent Energy Score per injection 23077 0.000	Solvent Energy Score perinjection 0,000 0,000 0,000	Solvent Energy Score po prep 146 520 0.000 0.000	Solvent Energy Score per prep 73260 0.000 0.000	Solvent Energy Score per prep 146.520 0.000 0.000	Salvent Energy Score pe prep 146-520 0.000 0.000	Solvent Energy Score per 146,520 0,000 0,000	
		Solvent Energy Score all	Solvent Energy Score all Injections 0.001 0.000 0.000 0.000 0.000	s Solvent Energy Score all props 146 520 0 0000 0000	Solvent Energy Score per Solvent Energy Score per Solvent Energy Score all props props	Solvent Energy Score all preps 2595.000 0.000		Solvent Energy Score all preps 2013 340 0.000	

Sensitivity assumption Sensitivity Ones sout Sensitivity Ones sout Sensitivity Ones sout Trail: 150 m. Injections assumptions	INSTRUMENT CONDITIONS		PHASES Solvent 1 Solvent 2 Solvent 3	Sensitivity Soin perspolume (md. Number of Sensitivity Soin persp. Virty Sons divery Soin persp. Sensitivity Soin diluent Accepts Solvent 1 Accepts Solvent 3 Water Solvent 3 Accepts Solvent 3	SST pregarchime (rid.) Number of SST pregar. SST Significant Solvent 1 Solvent 1 Solvent 2 Solvent 3	Sample prep volume (mit: Number of sample preps: Sample preps: Sample disort Solvent 3 Solvent 3	Working Standard prep volume (m.): Number of working standard preps: Standard disease: Schwant 2 Account Solwant 3 Solwant 3	Stock standard greyp volume (mlt): Number of stock standard preps: Stock standard distuent Stock standard distuent Sobreent 1 Sobreent 3 Sobreent 4 Sobreent 5 Sobreent 5 Sobreent 6 Sobreent 7 Sobreent 7 Sobreent 8 Sobreent 9 Sobreent 9	Method Number: 11025 H Technique: Number of injection
s: Ion 1 prepared by diluting 1 mb Ion 2 prepared by diluting 5 mb Ion 2 prepared by diluting 5 mb Ion 1 prepared by diluting 5 mb		Water Acetontrile Methanol	Water Acetonitile Methanol	by Soln preps: By Soln preps: ent Acetoritrile Water -	sc sc Acetontrile Water	e (m1): Erops: Acetonitrile Water	standard preps: standard preps: Acetontrile Writer	andard preps:	Method Number: 11025 Technique: Instrument energy (AW): Number of analytis of intrest: Number of laperfors/num for one full analysis: Number of laperfors/num for one full analysis:
of standard into 100 mL of solution 1 into 50 mL 1 x1, \$57 x 1, 5td 1 x 6, 5td 2 x 1, 5s	Run time (mh/n/estion) 145 140 140 155 50 90 40 100 100	Percent 15 34 51	Percent 88 4.8 7.2	150 1 1 Percent 90 50 50	100 1 1 Percent 50 50	2 2 Percent 50 50	2 Percent 50 50	Percent	HPLC 15
mple wil x l, Sample wil x l, Sid l x l, SST x l; Tolak 17	MP volume per gradient step (ml.) A 0.36: 0.24 6.30: 0.25 1.05: 4.35 0.51: 4.36 0.21 0.39 0.21 0.39 0.21 0.39 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.65 1.65 1.65 1.65 1.65	Volume perinjecton 2-88 ml. 5-63 ml. 8-62 ml.	Volume perinjection 9,24 ml. 0,50 ml. 0,76 ml.	Volume per prep 75 mi. 75 mi. 0 mi.	Volume per prep 20 mt. 50 mt. 6 mt.	Volume per prop 35 mil 50 mil 0 mil	Volume per prep 50 mt. 50 mt. 0 mt.	Volume per prep O mi. O mi.	Instrument Energy Score Solvent Energy Score Solvent Energy Score
at: 17		Density 0.792 0.792 0.786 0.884	Density 0.792 0.786 0.684	Density 0.786 0.792 0.000	Density 0.786 0.792 0.000	Den sily 0.786 0.792 0.092	Density 0.786 0.792 0.000	Density 0.000 0.000 0.000	Greenness Score
ш		EHS 0.272 2.241 1.080	EHS 0.272 0.272 2.241 1.080	EHS 2.241 0.372 0.000	EHS 2.241 2.727 0.2020	EHS 2.241 0.272 0.000	BHS 2.241 0.272 0.000	EHS 0.000 0.000	1159.20 1514.14 943.49
		EHS Score per prep 0534 9.880 6215	EHS Score per prep 1,993 0,888 0,558	EHS Score per prep 132.085 16.177 0.000	EHS Score per prep 88.057 10.785 0.000	EHS score p.or prep 10.785 10.785	EHS Score per prep 88.057 10.785 0.000	EHS Score per prep 0,000 0,000 0,000 0,000	3616.83 % of greenness score 22.1% 41.9% 26.1%
		EHS Score all preps 8.008 148.200 93.225	EHS Score all preps 29.895 13.314 8375	EHS Score all preps 132.085 16.177 0.000	EHS Score all preps 88.05.7 10.785 0.000	EHS Score all preps 178-114 27.570 0.000	EHS Sore all preps 175.114 21.1570 0.000	EHS Score all preps 0,000 0,000 0,000 0,000	
		CED/10 S 0.077 4.523 0.023	CED/10 9 0.077 4.523 0.023	GED/10 S 4.523 0.007	4.523 0.077 0.000	GED/10 S 4.523 0.0077 0.000	GED/10 50 4.523 0.007	CED/10 9 0.000 0.000	
Ш		Solvent Energy Score per St injection 0.151 19944 0.133	Solvent Energy Score per Striplection 0.563 1.792 0.012	Solvent Energy Score per Solvent Energy Score all progs 266 635 266 635 4,569 4,569 0,000	Solvent linergy Score per Solvent linergy Score all prop.	Solvent Energy Score per Signature Sig	Ivent Energy Score per prep 177.757 3.046 0.000	Solvent Energy Score per Si Prep	
		Solvent Energy Score all injections 2,262 2,985 1,992	Solvent Energy Score all injections 8.444 26.877 0.179	Nent Energy Score all preps 266 635 4.569 0.000	hent Energy Score all preps 1177.557 3.046 0.000	Solvent for egy Score all props. 355.514 6.002 0.000	Solvent Energy Score all preps	Solvent Energy Score all preps 0,000 0,000 0,000	

NOTES	INSTRUMENT CONDITIONS		PHASES	SENSITIVITY		SST	SAMPLE		TANDARDS	METHOD
Sensitivity assumptions: Sensitivity Docks duttion 1 prepared by diluting 1 mt, of Sensitivity Onck solution 2 prepared by diluting 5 mt, of Totals 150 mt Injections assumptions: Blank x 2, Sensitivy x 2, Blank x 1	80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Middle phase 8 Solvent 1 Water Solvent 2 Acctoricle Solvent 3 Methanol Floor rate (nd./min):	Mobile phase A Solvent 1 Water Solvent 2 Acctoratile Solvent 3 Methanoi	Sensitivity Soin discert Accroancile Johnnet 2 Water Molecule 3	Sensitivity Soin prep volume (mL): Number of Sensitivity Soin preps:	SST preps volume (ms): Number of SST preps: SST diluent Solvent 1 Acctordrile Solvent 2 Water Solvent 3 Water	Number of sample preps: Number of sample preps: Sample of like ert Solvent 1 Accordicitie Solvent 2 Water Solvent 3	Standard disent Solvent 1 Acetoricile Solvent 2 Water Solvent 3	Stock standard discent Solvent 1	Marthod Number: Polin 1 Fachique: F
. 5 mL of standard into 100 mL . 5 mL of solution 1 into 50 mL Blank x 1, SST x 1, 5 td 1 x 6, 5 td 2 x 1, 5 mp/s	22 368 40 40 55 50 90 90 100 100	Percent 15 34 34 51 8ur time (min/injection)	Percent 98 4.8 7.2	Percent 90 50 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60	150	100 1 1 Percent 50 0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Percent 50	Percent Percent 100	UPI C 0.9 1.15
wtt x 1,5 imple wt2 x 1,5 id 1 x 1,55T x 1;To al: 17	MP volume per gradient step (nt.) A 8 8 0.22 4 20 380 110 290 0.03 290 0.03 298 0.05 0.05 0.05 0.05 0.00	Volume perinjection 1.59 mL 3.60 mL 5.40 mL	Volume perinjecton 6.18 ml. 0.31 ml. 0.51 ml.	Volume per prep 75 mt. 75 mt. 0 mt.		O mt. Sto mt. Sto mt. Sto mt. About bed bleb	Volume per prep 50 mL 50 mL	Volume per prep 50 mt. 50 mt. 0 mt.	Volume per prep	Gr Instancent Energy Score Selvent Energy Score Selvent B4S Score
k:17		Density 1,000 0,786 0,792	Density 1.000 0.786 0.792	Density 0.786 1.000 0.000		Density 0.786 1.000 0.000	Density 0.786 1.000	Density 0.786 1.000	Density 0.000 0.000 0.000	Greenness Score
Ш		EHS 0.319 2.241 0.272	EHS 0.319 2.241 0.272	EHS 2.241 0.319 0.000		EHS 2.241 0.319 0.000	EHS 2.241 0.319 0.000	EHS 2.241 0.319 0.000	0.000 0.000 0.000	471.88 1904.92 836.26
Ш		EHS Score per prep 0.506 6.335 1.164	EHS Score per prep 1.971 0.593 0.109	EHS Score per prep 132,085 23,932 0,000		EHS Sore per prep 88.057 15.955 0.000	EHS Scare per prep 88.057 15.955 0.000	EHS Score per prep 88.057 15.955 0.000	EHS Score per prep 0,000 0,000 0,000 0,000	3212.86 * of greeness score 14.7% 59.3% 26.0%
		EHS Score all preps 7,596 95,027 17,458	EHS Score all preps 29.568 29.01 1.635	EHS Score all preps 137.085 23.932 0.000		EHS Score all preps 88.057 15.955 0.000	EHS Score all preps 176.114 31.909 0.000	EHS Score all preps 175.114 31.999 0.000	EHS Score all preps 0.000 0.000 0.000	
Ш		GED/10 S-1001 S-1001 S-1880 S-1850 S-	CED/10 S 0.001 S.880 1.850	GED/10 S 5.880 O.0001 O.0000		CED/10 S 5.880 0.001 0.000	GED/10 S 5.880 0.001 0.000	CED/10 \$.880	GED/10 S 0.000 0.000 0.000 0.000	
Ш		Solvent Energy Score per 50 injection 0.002 16.625 7.906	Solvent Energy Score per So Injection	Solvent Energy Score per Solvent Energy Score all perp per perp perp perp perp perp per		Solvent Energy Score per Solvent Energy Scor	Solvent Energy Score per So prep 231.084 0.050 0.000	Solvent Energy Score per So prep 231,084 20,050 0,000	Solvent Energy Score per 50 prep 0.000 0.000 0.000	
		Solvent Energy Score all Injections	Solvent Energy Score all injections 0.053 23.360 111.109	went Energy Score all preps 345.25 0.052 0.000		Solvent Energy Score all preps	Solvent Energy Score all props		Solvent Energy Score all props. 0,000 0,000 0,000	

	NOTES	INSTRUMENT CONDITIONS	MOBILE	PHASES	SENSITIVITY	SST	SAMPLE	STANDA	RDS	METHOD
	Method is assay and disgradation products method (analytes = 7), include phase addition is 0.05% FLA. At also one a low level linearly standard which isn't captured specifically in the above table; it is prepared in a 1.1.200 ml volumetric flast. To account for this it have phase 3 validated.	Flow rate (mL/min): Run time (min/rigection) Gotelent 100 94 90 100 0 0 0 0 100 100 100 100 100 100	Methanol	Mobile phase A Percent	Sensibity Sale prep volume [m]: 100 Number of Sensitivity Sale preps: 1 1	SST prep volume (nd.): 50	Sample prop volume (mil.): 100 Number of sample props: 2 Sample disert	Morehing Shandard prep volume (Inst): 100 Number of working shandard preps: 1 Shandard Shanet Instituted preps: Scholment 1 Morehand Solvent 3 Instituted preps: Solvent 3 Instituted preps: Solvent 3 Instituted preps: Solvent 3 Instituted preps: Solvent 3 Instituted preps:	Stock standard grap column (erk) 100	Method Number: LLSPC published method Geologies Structure Structure Structure Structure Structure of analyties of Interest: Number of analyties of Interest: 2 Number of injections/runs for one full analytis: 15
	e added 4 (x50 ml) additional SST preparations. Please n	MP volume per gnalient step (ml.) 2.50 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Volume per injection 2,85 mL 0,00 mL 0,00 mL 0,00 mL	Volume perinjection 47:15 mL 0.000 mL 0.000 mL	Volume per prep 100 mt. 0 mt. 0 mt.	Volume per prep 50 ml. 0 ml. 0 ml.	Volume per prep 100 mt. 0 mt. 0 mt.	Volume per prep 100 ml 0 ml 0 ml	Volume per prep 100 mL 0 mL 0 mL	Ginstrument Energy Score Solvent Energy Score Solvent Birs Score
	emove if this causes issues.		Density 0.792 0.000	Density 0.002 0.000 0.000	Density 0.792 0.000	Density 0.792 0.000 0.000	Density 0.792 0.000 0.000	Density 0.092 0.000 0.000	Density 0.792 0.000	Greenness Score
ı			EHS 0.272 0.000 0.000	EHS 0.000 0.000	EH5 0.222 0.000 0.000	845 0.272 0.000 0.000	EHS 0.272 0.000 0.000	8HS 0.272 0.000 0.000	EHS 0.272 0.200 0.000	299.20 207.51 74.74
ı			EHS Score per prep 0.615 0.000 0.000	EHS Score per prep 0,000 0,000 0,000 0,000	EHS Score per prep 21.570 0000 0000	EHS Score per prep 10.785 0.000	EHS Score per prep 21.570 0.000 0.000	EHS Score per prep 21.570 0.000 0.000	EHS Score per prep 21.570 0,000	881.45 % of greenness score 33.9% 57.6% 8.5%
ı			EHS Score all preps 9.221 0.000 0.000	EHS Score all preps 0.053 0.000 0.000	EHS Score all preps 21.570 0.000 0.000	EHS Score all preps 10.785 0.000 0.000	HS score all preps 43.139 0.000	EHS Score all preps 2,570 0,000 0,000 0,000	EHS Score all preps 43:139 0.000 0.000	
ı			CED/10 1.850 0.000	0000 0000 1000 01/03D	CED/10 1.850 0.000	GED/10 1.850 0.000 0.000	CED/10 St	CED/10 1.850 0.000	GED/10 1.850 0.000	
			Solvent Energy Score per injection 4.176 0.000	Solvent Energy Score per injection 0.000 0.000 0.000	Solvent Energy Score per prep 146.520 0.000 0.000	Solvent Energy Score per prep 73.260 0.000 0.000	Solvent Energy Score per prep 146.520 0.000	Solvent Energy Score per prep 146,520 0,000 0,000	Solvent Energy Score per 146,520 0,000 0,000	
			Solvent Energy Score all	Solvent Energy Score all Injections 0.001 0.000 0.000 0.000	v SohentEnergy Score all props 146 5270 0.000 0.000	Solvent Energy Score per Solvent Energy Score all	Solvent Energy Score per Solvent Energy Score all		Solvent Energy Score all preps 293 GIG 0.000 0.000	

NOTES	NOTE Note	Percent Voluma perinjecton Dendry BS BS screper parp BS screper parp ESS screper parp CD //D Schweit firerigi Screper Accidoxidride 100 2.00 ms 0.000 2.01 0.000 0	Percont Volume perinjection Density BHS Some per prep BHS Some per prep BHS Some per prep BHS Some per prep CDD/ID Solvent Energy Score per prep Solvent 1 Valor 100 2.70 mL 1,000 0.319 0.662 12.935 0.001 0.003 Solvent 2 Accid/flasc additives 0.1 0.00 mL 0.000 0.000 0.000 0.000 0.000 0.000 Solvent 3 0.01 0.00 mL 0.000 0.000 0.000 0.000 0.000 0.000 0.000	Sensitivity Soln disent Solnett Solnett		Sample preproduct (nkt) 50	Warding Standard grap volume (mit): 50 1 1 1 1 1 1 1 1 1		telianalysis:
		9 Scheniterery Score all 18 18 18 18 18 18 18 18 18 18 18 18 18	y Score per Solvent Energy Score all lon injections 0 0,000 0,000 0 0,000	y Score per Solvent Energy Score all	y Score per Solvent Energy Score all preps	y Score per Solvent Energy Score all pegs	y Sore per Solvent Energy Sore all	Screper Solvent Energy Score all props 42 115:542 5 0.025 6 0.000	

NOTES	S S S S S S S S S S S S S S S S S S S	Solvent 1 Mechanol (minh/minh): Percent Volume perinjection Dendry (minh/minh): BIS Score per prep BIS Score per prep BIS Score per prep CD/10 Sclivent may Score per prep CD/10 Mechanol (minh/minh): CD/10 Mechanol (minh/minh): CD/10 Mechanol (minh/minh): BIS Score per prep BIS Score per prep BIS Score per prep CD/10 Mechanol (minh/minh): CD/10 Mechanol (minh/minh): CD/10 Mechanol (minh/minh): CD/10 Member threaty Score per prep BIS Score per prep BIS Score per prep BIS Score all preps CD/10 Mediation (minh/minh): CD/10 Mediation (minh/minh/minh/minh/minh/minh/minh/minh/	Mobile phase A Percant Volume perinjection Denaity EH5 Score per per per perinjection Denaity Det Score all props CGD/10 Injection Denaity Description Denaity Denaity Description Denaity Denaity Denaity Denaity Denaity Description Denaity Denai	Seniability Soln diluted Michael Michael 100 120 mt 100		Sample preprior Sample pre	Mumber of working standard grops: 1 1	Art Volume per prep Dankly BHS BHS Sone per prep BHS Sone per prep BHS Sone per prep CDJ/AD Solvent finery Sone per prep 4 0 mL 0.792 0.272 10.785 0.000 1.850 72.260 0 mL 0.000 0.000 0.000 0.000 0.000 0.000 0 mL 0.000 0.000 0.000 0.000 0.000 0.000	Method Number:
		Solvent Energy Score per Solvent Energy Score all Injections Injections Injection Injection	Solvent Energy Score par Solvent Energy Score all Injection	Solvent Energy Score per Solvent Energy Score all preps pergs 175 524 175 524 10000 0.000 0.000	Solvent Energy Score per Solvent Energy Score all perg 1970 1970 1970 1970 1970 1970 1970 1970	Solvent Energy Score per Solvent Energy Score all preps 272.800 772.800 772.800 0000 0000 0000	Solvent Energy Score par Solvent Energy Score all preps preps preps 71,256 73,256 0,000 0,000 0,000	Solvent Energy Score per Solvent Energy Score all	

Companies Comp	NOTES	INSTRUMENT CONDITIONS	MOBILE	PHASES	SENSITIVITY	SST	SAMPLE	STAN	DARDS	METHOD
	Method is assay and degradation products method (analytes = 9). Whole phase additive is "10 mM Ammonium acetate. At also run a low level liesearity standard which isn't captured specifically in the abo Plasse 3 validated.	\$ 2 2 × × × 2 2	Acetoratile	Water	/sdin_preps:	SST propps: Water Water	props: Water Acetoratile	and preps: Water Actionititle		
18.1 18.1 18.1 18.2	It is prepared in the same volum	volume per gradient st	0 1 10	Volume perinjection 17.16 mt. 0.00 mt. 0.00 mt.	Volume per prep 90.25 mt. 4.75 mt. 0 mt.	Volume per prep S0 mt. O mt. O mt.	Volume per prep \$00 mt. 0 mt. 0 mt.	Volume per prep 100 mt. 0 mt. 0 mt.	Volume per prep 100 ml. 0 ml. 0 ml.	Grundament fore gy Score Instrument fore gy Score Schreent Bris Score
100 100			Density 0.786 1.000 0.000	Density 1,000 0,000	Density 1,000 0,786 0,000	Density 1.000 0.000	Density 1 1000 0.726 0.000	Density 1.000 0.786 0.000	Density 1.000 0.000	eenness Scor
State page page Dis Score page Dis Score page page Dis Sco	an extra preparation		EHS 2.241 0.000 0.000	EHS 0.319 0.000 0.000	EHS 0.319 2.241 0.000	EHS 0.319 0.000	EKS 0.319 2.241 0.000	EHS 0.319 0.000	EHS 0.319 0.000 0.000	747.04 762.68 837.33
CED/10 Solvent florery Score pa (CED/10 Solvent florery Score pa (to account for		EHS Score per prep 18.774 0.378 0.000	EHS Score per prep 5.4.74 0.000 0.000	EHS Store per prep 28,798 8,365 0,000	EHS Score per prep 15, 955 0,000 0,000	EHS Score per prep 159,546 0,000 0,000	EHS Score per prep 31.909 0.000 0.000	EHS Score per prep 31,909 0,000 0,000	2347.05 % of greenness score 31.8% 32.5% 35.7%
Solvent Energy Score po			EHS Score all preps 281.607 5.669 0.000	EHS Score all preps 82.113 0.000	EHS Score all preps 28.798 8.365 0.000	EHS Score all preps 13.955 0.000	EHS Score all preps 319,092 0,000 0,000	EHS Score all preps 63 518 0,000 0,000	EHS Score all preps 31,909 0,000 0,000	
## flore(%) \$-core pa 1000 0.000	Ш						CED/10 0.001 5.880 0.000			
Solvent Solvent			Solvent Energy Score per injection 49267 0.001 0.000	Solvent Energy Score per injection 0.017 0.000 0.000	Prep 0.090 211953 0.000	Solvent Energy Score per prep 0.050 0.000 0.000	Solvent Energy Score per prep 0.500 0.000 0.000	Solvent Energy Score per prep 0.100 0.000 0.000	nergy Score pe prep 0.100 0.000	
Energy Score all			Solvent Energy Score all injections 739.010 0.018	Solvent Energy Score all injections 0.257 0.000 0.000	Solvent Energy Score all pregs 10,000 10,0	Solvent Energy Score all preps COSC 0.050 0.000 0.000	Solvent Energy Score all props 1.000 1.000 0.000 0.000	Solvent Energy Score all pregs 0.200 0.200 0.000 0.000	r Solvent Energy Score all preps 0,000 0,000 0,000	

NOTES	INSTRUMENT CONDITIONS		PHASES	SENSITIVITY	SST	SAMPLE		DARDS	METHOD
Method is assay and degradation products method Insolytes = 9). Which prints additive is -10 mM Ammonium accetate Ad also no an Iook even linearity standard which fort captured specifically in the above table. Phase 3 wildated.	Flow rate (min/mind): Run time (min/mindstate)	Percent Solvent 3 Water 10 10 10 10 10 10 10 1	Percent	Sanstitivity Soft prep volume (end.): 200 Number of Senstitivity Soft preps: 2 Senstitivity Soft dilutent	SST priep volume (md): 25	Sample prep volume (m.l.) 100	Working Standard greg volume (mt): 2 Number of working standard gregos: 1 Standard disent 1 Solvent 1 Writer Solvent 2 Accountrile Solvent 3 20	Stock standard gropy volume (mt); Number of Stock standard props; 2 Number of Stock standard props; 2 Stock standard disbert Volctharol Solvent 1 Volctharol Solvent 2 Volume Solvent 3 Volume Solvent 3	Michited Number: Gereninich-HPIC Trachique: HPIC Horizone not exity (AV): Humber of parlitand interest: 10 Number of parlitand interest: 11 Number of parlitand variation one (All analysis: 15
It is prepared in the same volumes	Mary ordune per godient step (md) Mary ordune per logical mary ordine per logical mary	Volume perinjection \$ 64 mt. 0.65 mt. 0.00 mt.	Volume perinjection 8.74 ml. 0.00 ml. 0.00 ml.	Volume per prep JO mt O mt O mt	Volume per prep 15 mt. 10 mt.	Volume per prep 50 mt. 50 mt. 0 mt.	Volume per prep I mt. I mt. O mt.	Volume per prep 12.5 ml 12.5 ml 0 ml	Gre Instrument foreign Konn Schwert Early Konn Schwert Birk Konn
as the sensivity standard, so I have added		Density 0.786 1.000	Density 1.000 0.000	Density 1.000 0.000	Density 1.000 0.786 0.000	Density 1.000 0.786 0.000	Density 1.000 0.786	Density 0.792 1.000	Greenness Score
d an extra preparation the re		EHS 2,241 0,319 0,000	EHS 0.319 0.000	EHS 0.319 0.000	EHS 0.319 2.241 0.000	EHS 0.319 2.241	EHS 0.319 2.241 0.000	EHS 0.272 0.319 0.000	936.40 709.72 399.39
re to account for this.		EHS Score per prep 9.926 0.200 0.000	EHS Score per prep 2.7.88 0.000 0.000	EHS Scare per prep 31.909 0.000	EHS Score per prep 4.7.86 17.611	EHS Score per prep 15.955 88.057 0.000	EHS Score per prep 0.319 1.761 0.000	EHS Score per prep 2,696 39,89 0,000	1495.51 % of greenness score 25.8% 47.5% 26.7%
		EHS Score all preps 148.893 2.997 0.000	EHS Score all preps 41.821 0.000 0.000	EHS Score all preps 0.818 0.000	EHS Scare all preps 4.786 17.611 0.000	EHS Score all preps 15-95-5 88-05-7 0.000	EHS Score all preps 0.319 1.761 0.000	EHS Score all preps 5.392 7.977 0.000	
		CED/10 5.880 0.001 0.000	GED/10 0.001 0.000	0.000 0.000 0.001 0.001	CED/10 0.001 0.000 0.000	GED/10 0.001 5.880 0.000	CED/10 0.001 5.880 0.000	CED/10 1.850 0.001 0.000	
		Solvent Energy Score per injection 26,049 0,001 0,000	Solvent Energy Score per injection 0.009 0.000 0.000	Solvent Energy Score per prep 0.100 0.000 0.000	Solvent Energy Score per prep 0.015 0.015 46217 0.000	Solvent Energy Score per prep 0.050 231.084 0.000	Solvent Energy Score per prep 0.001 0.001 4.622 0.000	Solvent Energy Score per prep 18315 0.003 0.000	
		Solvent Energy Score per Solvent Energy Score all	Solvent Energy Score all injections 0.133 0.000 0.000	- Solvent Energy Score all preps 1200 0.00	Solvent Energy Score per Solvent Energy Score per Solvent Energy Score all prep preps prep	Solvent Energy Score per Solvent Energy Score all prep preps p	Solvent Energy Score all preps 0.001 0.001 4.622 0.000	r Solvent Energy Score all preps. 36.630 30.005 0.005	
	ı								

Solvent Energy Score all	NOTES OC all compounds submitted: both low and high pelformic acid and ammonium hydroxide)	INSTRUMENT CONDITION	Mobile phase B Percent Volume perinjection Danity EHS EHS Sover perpurp EHS Sover all preps CED/10 Solvent from yr Score per purp Solvent 1 Accton/rile 100 0.84 mL 0.786 2.241 1.172 22.085 5.880 3.864 Solvent 3 0.00mL 0.00mL 0.000<	Percent Volume perinjection Dentity EHS EHS sore per prep BHS Sore all preps CED/L0 Selvent breng Sore per prep Water 100 0.76 mL 1.000 0.319 0.244 3.857 0.001 0.001 0.00 mL 0.000 mL 0.000 0.000 0.000 0.000 0.000 0.00 mL 0.000 mL 0.000 0.000 0.000 0.000 0.000	Family Solid page youlume [m]; 100	Strproprocheme (and): 50 50	Sample preps volume (m1); 1/10	Working Standard gregos: 100 Number of working tandard gregos: 2 Sandard dileger Volume per prep Dannity EHS Store per prep ES Sore	rt. Volume per prep Density 6HS 6HS some per prep BHS some per prep BHS some per prep CED/IO Solvent finerary Some per prep 55 mL 0.792 0.272 20.491 40.982 1.850 1.391.94 5 mL 1.000 0.039 1.595 3.191 0.001 0.005 0 mL 0.000 0.000 0.000 0.000 0.000 0.000	Method Number:
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NOTES INSTRUMENT CON		E PHASES	SENSITIVITY	SST	SAMPLE	STAND		METHOD
1.8 40.0 2.1 80.0 2.1 95.0 2.5		Mobile phase A CO2 Solvent 3 CO2 Solvent 3	Senithirly Solt prep volume (m.): Number of Senitivity Solt preps: Number of Senitivity Solt preps: Solvent 2 Solvent 3 Solvent 3	SST prep volume (nd.): Number of SST preps: SST dilaret Solvent 2 Solvent 3 Solvent 3	Number of sample preps: Number of sample preps: Sample datent Solvent 1 Solvent 2 Solvent 3	Working Standard gress volume (mill): Number of working standard gresps: Number of working standard gresps: Solvent 3 Solvent 3 Solvent 3	Stock standard gregs volume (ml.): Womber of stock standard preps: Stock standard distance	Method Number: Technique: Instrument energy (AW): Number of analyse of interest: Number of injections/runs for one full analysis:
100 100 100 100 100 100 100 100 100 100	Percent 100 100 Run time (mmn/rigection) 2.5 M/B	Percent 100	100 1 Percent	90 1 1 Percent	100 2 2 Percent 100 0	2 Percent	2 2 Percent	UPC2 0.9 1 15
4.86. 2.44 0.22 0.48 0.22 0.48 1.52 0.08 1.52 0.08 0.00	3.0 0.0 0.0 0.0	Volume perinjection 6.97 ml. 0.00 ml. 0.00 ml.	Volume per prep 100 ml. 0 ml. 0 ml.	Volume per prep 50 mt. 0 mt. 0 mt.	Volume per prep 100 ml. 0 ml. 0 ml.	Volume per prep 110 ml. 0 ml. 0 ml.	Volume per prep 100 ml. 0 ml. 0 ml.	Gre Instrument Energy Score Solvent Energy Score Solvent Energy Score Solvent ENS Score
	Density 0.792 0.000 0.00	Density 0.002 0.000 0.000	Density 0.792 0.000 0.000	Density 0.792 0.000 0.000	Density 0.792 0.792 0.000 0.000	Density 0.792	Density 0.792 0.000 0.000	Greenness Score
	846 0.2272 0.0000 0.0000	EHS 0.038 0.000 0.000	EHS 0.272 0.200 0.200 0.000	BHS 0.3772 0.000 0.000	EHS 0.272 0.000 0.000	EHS 0.272 0.000	EH5 0.2772 0.2000 0.0000	5320 % 1165.49 171.58
	0.000 DHS Score per perp 0.0554 0.0000 0.0000	EHS Score per prep 8 0.001 0.000 0.000	EHS Score per prep E 21,570 0000 00000	EHS Score per prep to 10.785 0.000 0.000	EHS Score per prep E 21:570 0.000 0.000	EHS Score per prep E 211570 0000 00000 000000 000000 000000 000000	EHS Score per prep E 21.570 0.000 0.000	1390.28 of greenness score 3.8% 83.8% 12.3%
	9303 0,000 0,000	EHS Score all preps 0.008 0.000	EHS Score all preps 21,570 000 0000	EHS Score all preps 10.785 0.000	BHS score all preps: 43,139 0,000 0,000	BHS Score all preps 43.139 0.0000 0.0000	## Skore all preps 43.139 0.000 0.000	
	000/10 Selvent 0.000 0.000	CED/10 Solve	CED/10 Solvi	CED/10 Solvi	CED/10 Solvi 1.850 0.000 0.000	0000 0000 0000 0000 0000	CED/10 Solvi	
	Injection 4.440 0.000 0.000	Solvent Energy Score per ligitation (1000) (1000) (1000)	Solvent Energy Score per Solvent Energy Score all preps pr	Solvent Energy Score per Solvingrep (2007) 2007	Solvent Energy Score per Solvin prep Sol	Solvent Energy Score per Solving prop 146 520 146	Solvent Energy Score per Solve prep 146 5200 0,0	
	Solvent Energy Score all Injections (according to 68.593) 0.000 0.000	Solvent Energy Score all injections	preps Score all preps 146 52 0 0.000 0.000	Solvent Energy Score all preps preps 73,260 0.000 0.000	Solvent Energy Store all preps	Solvent Energy Score all preps		

9	Method Number:]			Greenness Scor	e	476.53				
МЕТНОВ	Technique:		SFC				% of greenness score				
Σ	Instrument energy (kW): Number of analytes of inte Number of injections/runs	erest: for one full analysis:	1.2 1 15	Instrument Energy Scor Solvent Energy Score Solvent EHS Score	re	209.44 213.62 53.46	44.8% 44.8%				
	Stock standard prep volum		5		_	_		_	_		
	Number of stock standard	preps:	1								
	Stock standard diluent		Percent	Volume per prep	Density	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per prep	Solvent Energy Score all preps
· v	Solvent 1 Solvent 2	Methanol Water	60 40	3 mL 2 mL	0.792 1.000	0.272 0.319	0.647 0.638	0.647 0.638	1.850 0.001	4.396 0.002	4.396 0.002
ARD	Solvent 3	ŀ		0 mL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
STANDARDS	Working Standard prep vo Number of working standa	lume (mL):	10								
0,	runner or working status	по ресро.						<u> </u>			
	Standard diluent Solvent 1	Methanol	Percent 60	Volume per prep 6 mL	Density 0.792	EHS 0.272	EHS Score per prep 1.294	EHS Score all preps 6.471	CED/10 1.850	Solvent Energy Score per prep 8.791	Solvent Energy Score all preps 43.956
	Solvent 2 Solvent 3	Water	40	4 mL 0 mL	1.000 0.000	0.319 0.000	1.276 0.000	6.382 0.000	0.001 0.000	0.004	0.020 0.000
	Sample prep volume (mL): Number of sample preps:		5 7								
SAMPLE										Solvent Energy Score per	
SAN	Sample diluent Solvent 1 Solvent 2	Methanol Water	Percent 80 20	Volume per prep 4 mL 1 mL	0.792 1.000	0.272 0.319	0.863 0.319	6.039 2.234	1.850 0.001	5.861 0.001	9 preps 41.026 0.007
	Solvent 3	-	0	0 mL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	SST prep volume (mL):		10								
	Number of SST preps:		5								
SST	SST diluent		Percent	Volume per prep	Density	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per prep	preps
	Solvent 1 Solvent 2 Solvent 3	Methanol Water	60 40 0	6 mL 4 mL 0 mL	0.792 1.000 0.000	0.272 0.319 0.000	1.294 1.276 0.000	6.471 6.382 0.000	1.850 0.001 0.000	8.791 0.004 0.000	43.956 0.020 0.000
	Sensitivity Soln prep volun Number of Sensitivity Soln	ne (mL): preps:	50								
SENSITIVITY										Solvent Energy Score per	Solvent Energy Score all
ENSI	Sensitivity Soln diluent Solvent 1	Methanol	Percent 60	Volume per prep 30 mL	Density 0.792	EHS 0.272	EHS Score per prep 6.471	EHS Score all preps 6.471	CED/10 1.850	prep 43.956	preps 43.956
S	Solvent 3	Water -	40 0	20 mL 0 mL	1.000 0.000	0.319 0.000	6.382 0.000	6.382 0.000	0.001 0.000	0.020	0.020 0.000
	Mobile phase A										_
		l	Percent	Volume per injection	Density	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per injection	Solvent Energy Score all injections
PHASES	Solvent 2 Solvent 3	CO2 -	0	8.85 mL 0.00 mL 0.00 mL	0.002 0.000 0.000	0.038 0.000 0.000	0.001 0.000 0.000	0.010 0.000 0.000	0.001 0.000 0.000	0.000 0.000 0.000	0.000 0.000 0.000
	Mobile phase B										
MOBILE	Solvent 1	Itathanal	Percent	Volume per injection	Density 0.703	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per injection	Solvent Energy Score all injections
_	Solvent 2 Solvent 3	Methanol -	100	1.65 mL 0.00 mL 0.00 mL	0.792 0.000 0.000	0.272 0.000 0.000	0.356 0.000 0.000	5.338 0.000 0.000	1.850 0.000 0.000	2.418 0.000 0.000	36.264 0.000 0.000
	Flow rate (mL/min): 1.5]	Run time (min/injection)								
CONDITIONS	Gradient										
E	Time (min)	%A 95	%B 5	MP volume per gradient step (mL) A B							
	7	95 65	5 35 100	2.85 0.15 6.00 1.50 0.00 0.00							
MEN			100 100 100	0.00 0.00 0.00 0.00 0.00 0.00							
INSTRUMENT			100 100	0.00 0.00 0.00 0.00							
ž			100	0.00 0.00 Total MP volume per injection (mL) 8.85 1.65							
NOTES											
Z											

NOTES	2 2 0 0 0 2 2 2 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4	Solvent 1 Accession (in Mainit) Percent Values partipiction Density EBS SES Score per prop EBS Score per	Mobile phase A Percent Volume perinjection Dentity EHS EHS Score per prop EHS Score all props CED/10 Injection Dentity EHS EHS Score per prop EHS Score all props CED/10 Injection Dentity CED/10 Injection Dentity CED/10 Injection Dentity CED/10 CED/10	Sensitivity Soft pireps: 2.00 2.0			Working Standard grops volume (ml.): 25 Humber of working standard grops: 2 Sandard diseast Percont Volume per prep Density BHS Sore per prep HS Sore per prep HS Sore per prep CES/10 Solvent 3 Virter 60 15 mt. 1,000 0,319 4,786 9,573 0,001 Solvent 3 According 40 10 mt. 0,786 2,241 115 fit 35,223 5,880 Solvent 3 According 40 0 mt. 0,000 0,000 0,000 0,000 0,000	Substantial diluent Fercent Volume per prep Density Bis Sover all preps COVID COVID	Method Number:
			Solvent Energy Score per Solvent Energy Score all injection	Solvent Energy Score per Solvent Energy Score sall pergy Dayson Day	Solvent Energy Score per Solvent Energy Score all	Solvent Energy Score per Solvent Energy Score per Department Score per Pergs Department Departmen	Solvent Energy Score per Solvent Energy Score per Pergs Pergs	Salvent Energy Score par Solvent Energy Score all press	

NOTES	INSTRUMENT CONDITIONS	MOBILE PHAS	SES S	SENSITIVITY	SST	SAMPLE	STANDA	ARDS	METHOD
	Flow rate (nst/min): Gradient Time (nsin) 5 70 17 18 17 26 19 26 26 30 90 90 90 90 90 90 90 90 90	Mobile phase 8 Mobile phase 8 Solvent 1 Metharol Solvent 2 Metharol	Solvent 3 Mobile phase A Motor Water Solvent 1 Water	Sensitivity Soin pure produme (md.): Number of Sensitivity Soin pureps: Sensitivity Soin diluent Walter Solvent 2 Wether to Solvent 2 Methanot	SST prep volume (md.): Number of SST preps: SST disent SST disent Val er Solvent 2 Val er Solvent 3 Val er	Sample prepovalure (m1): Number of sample preps: Sample divert Solvent 2 Solvent 3 Solvent 3	Working Standard prep volume (m.); Number of working standard preps: Standard of hisent Solvent 2 Water Solvent 3 Wethanoi	Stock standard preps volume (mil): Number of stock standard preps: Stock standard dispert Solvent 1 Solvent 2 Solvent 3	Method Number: Technique: Instrument energy (Wr): Number of Injections/runs for one full analysis: Number of Injections/runs for one full analysis:
	Nun time (min/n)ection) 30 998 10 30 42 42 90 100 100 100 100	Percent 100	Percent 100	50 1 1 Percent 50 50	50 2 Percent 50 50	250 2 2 Percent 50 50	50 2 2 Percent 50 50	Percent	UP(C 0.9 1
	MP volume per gradient step [m] A B A B 1,00 3,07 1,139 2,211 0,04 0,02 0,00 0	Volume pari hipetion 4.73 mt. 0.00 mt. 0.00 mt. 0.00 mt. 0.00 mt.	O mt. Volume per injection 7.22 mt.	Volume per prep 25 ml.	Volume per prep 25 ml, 25 ml, 0 ml,	Volume per prep 125 m.l. 125 m.l.	Volume per prep 25 ml. 25 ml. 0 ml.	Volume per prep Onst. Onst. Onst.	Gre Instrument Energy Score Scionet Energy Score Scionet Energy Score
		0.000 Density 0.792 0.000 0.000	0.000 Density 1,000	Density 1.000	Density 1.000 0.792	Density 1.000 0.792 0.000	Density 1,000 0,792	Density 0.000 0.000	Greenness Score
				EHS 0.319 0.772	EHS 0.319 0.272 0.000	EHS 0.319 0.272 0.000	EHS 0.319 0.2772 0.000	0.000 0.000	643.20 654.90 250.58
				EHS Score per prop	EHS Score per prep 7.977 5.392 0.000	EHS Score per prep 39.987 26.962 0.000	EHS Score per prep 7.977 5.392 0.000	EHS Score per prep 0.000 0.000 0.000	1548.68 % of greenness score 41.5% 42.3% 16.2%
Ш		15.452 0.000 0.000	0.000 EHS Score all preps 34577	EHS Score all preps 7.977 1.977	EHS Score all preps 15.955 10.785	EHS Score all preps 79.773 53.924 0.000	EHS Score all preps 15.95	EHS Score all preps 0.000 0.000	
			Sol. (2000)	CED/10 Sol	GED/10 Solvi 0.001 1.850	GED/10 Soli	CED/LO Salvent 0.000 0.000	CED/10 Sol	
		1,000 1,00	0.000 Solvent Energy Score per Solvent E injection in in 0.007	Solvent Energy Score per Solvent Construction Co. Co. Solvent Co.	ent Energy Score pe prep 0.025 36630 0.000		vent Energy Score per Prep 0.025	Solvent Energy Scare per Solt prep 0,0000 0,000 0,000	
		0.000 0.000 vent finergy Score all in Jections 104.567 0.000 0.000	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	Solvent Energy Score all preps O.025 O.025 36,630	Solvent Energy Score all preps COSO 73.260 0.000		vent Energy Score all preps 0.059 0.050 73.860 0.000	r Solvent Energy Score all props 0.0000 0.0000 0.0000	

NOTES	INSTRUMENT CONDITIONS	MOBILE	PHASES	SENSITIVITY	SST	SAMPLE	STANDA	ARDS	METHOD
Method is assay and degradation products method (analytes = 7). Mobile phase additive is 0.05%/TA. Az Jasur ma show level lineser's yearded which isn't captured specifically in the above tobbe. It is prepared in a 1 x 200 ml volumetric flast. To account for this I have Phase 3 validated.	Flow rate (nd, lmin): Grad lent Times (min) 9/A 9/B 0 0 0 0 0 0 0 0 0 0 0 0 0	Methanol .	Mobile phase A Percent Solvent 1 (CO2 100) Solvent 2	Sensibitity Soit preprodume (ml.): Number of Sensitivity Soit preps: Persibitity Soit dilutent Soivent 1 Mechanol Soivent 2 Soivent 3 O O	SST preps volume (mt): S0	Sample preign volume (mil.): 20	Morbing Standard grops volume (init). 20 Number of working standard grops: 2 Standard disent Mechanol Percent Solvent 3 Solvent 3 Solvent 3	Special standard group column (nr) 50 1 1 1 1 1 1 1 1 1	Method Number: AZ-SEC-published method [Eachique: Instrument energy (WI): 1.2 Number of hapkins of interest: 2 Number of high city of or one full analysis: 15
added 4 (650 m) additional SST preparations. Please n	MP volume per gradient step (ml.) 15.00 10.00 15.00 Total MP volume per injection (ml.)	Volume perinjecton 400 ml 000 ml 000 ml	Volume perinjection 16:00 mt. 0:00 mt. 0:00 mt. 0:00 mt.	Volume per prep O mt. O mt. O mt.	Volume per prep SO mt. O mt. O mt.	Volume per prep 50 ml 0 ml	Volume per prep 350 ml. 0 ml. 0 ml.	Volume per prep 90 mL 0 mL 0 mL	Instrument Energy Score Solvent Energy Score Solvent Etis Score
emove if this causes issues.		Density 0.792 0.000	Density 0.0002 0.000 0.000	Density 0.792 0.000	Density 0.792 0.000	Density 0.792 0.000	Density 0.0792 0.0000 0.0000	Density 0.792 0.000 0.000	Greenness Score
		EHS 0.272 0.000 0.000	EHS 0.000 0.000	EHS 0.272 0.000 0.000	EHS 0.272 0.000 0.000	EHS 0.272 0.000 0.000	845 0.2272 0.000 0.000	EHS 0.2772 0.000 0.000	7480 227.11 33.44
		EHS Score per prep 0.863 0.000 0.000	EHS Score per prep 0.001 0.000 0.000 0.000	EHS Score per prep 0,000 0,000	EHS Store per prep 10.785 0.000 0.000	EHS Score per prep 10.785 0.000 0.000	EHS Score per prep 10.785 0.000 0.000	EHS Score per prep 10.785 0.000 0.000	335.35 % of greenness score 67.7% 10.0%
		EHS score all preps 12.942 0.000 0.000	EHS Score all preps 0.018 0.000 0.000	EHS Score all preps 0,000 0,000 0,000	EHS Score all preps 10.785 0.000 0.000	EHS Score all preps 10.785 0.000	EHS Score all preps 21,570 0,000 0,000	EHS Score all preps 10.785 0.000 0.000	
		CED/10 1.850 0.000	0.000 0.000 1.000 0.001	GED/10 1.850 0.000	CED/10 1.850 0.000	CED/10 1.850 0.000	CED/10 1.850 0.000 0.000	CED/10 1.850 0.000	
		Solvent Energy Score per injection 5.861 0.000 0.000	Solvent Energy Score pe injection 0,000 0,000 0,000	Solvent Energy Scare po prep 0.000 0.000	Solvent Energy Score per prep 73260 0.000	Solvent Energy Score per prop 73.260 73.260 0.000	Salvent Energy Score pe prep 732.60 0.000 0.000	Solvent Energy Score per prop 73.260 0.000 0.000	
		Solvent Energy Score all	Solvent Energy Score all Injections 0.000 0.000 0.000	Solvent Energy Score all	Solvent Energy Score per Solvent Energy Score per	Solvent Energy Score per Solvent Energy Score all		Solvent Energy Score all prop Scor	

8	Method Number: Achiral HPLC		G	reenness Sco	re	1201.83				
МЕТНОВ	Technique:	HPLC	•			% of greenness score				
ž	Instrument energy (kW): Number of analytes of interest:	1.0	Instrument Energy Score Solvent Energy Score		257.60 633.39	21.4% 52.7%				
	Number of injections/runs for one full analysis:	15	Solvent EHS Score		310.84	25.9%				
	Stock standard prep volume (mL): Number of stock standard preps:	5 1							Solvent Energy Score per Solvent Energy	ron Coore all
	Stock standard diluent Solvent 1 Acetonitrile	Percent 50	Volume per prep 2.5 mL	Density 0.786	EHS 2.241	EHS Score per prep 4.403	EHS Score all preps 4.403	CED/10 5.880	prep pre 11.554 11.5	:ps
w	Solvent 2 Water	50	2.5 mL	1.000	0.319	0.798	0.798	0.001	0.003 0.00	03
ğ	Solvent 3		0 mL	0.000	0.000	0.000	0.000	0.000	0.000 0.00	00
STANDARDS	Working Standard prep volume (mL): Number of working standard preps:	5								
	Standard diluent	Percent	Volume per prep	Density	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per Solvent Energy prep pre	
	Solvent 1 Acetonitrile	50	2.5 mL	0.786	2.241	4.403	4.403	5.880	11.554 11.5	554
	Solvent 2 Water Solvent 3 -	50	2.5 mL 0 mL	1.000 0.000	0.319 0.000	0.798	0.798 0.000	0.001	0.003 0.00 0.000 0.00	
SAMPLE	Sample prep volume (m.): Number of sample preps:	S 1	Volume per prep	Density	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per prep prep pre	:ps
75	Solvent 1 Acetonitrile Solvent 2 Water	50 50	2.5 mL 2.5 mL	0.786 1.000	2.241 0.319	4.403 0.798	4.403 0.798	5.880 0.001	11.554 11.5 0.003 0.00	03
	Solvent 3	0	0 mL	0.000	0.000	0.000	0.000	0.000	0.000 0.00	00
SST	SST prep volume (m.): Number of SST preps: SST diluent Solvent 1 Acetontrile Solvent 2 Water	5 1 Percent 50 50	Volume per prep 2.5 mt 2.5 mt	Density 0.786 1.000	EHS 2,241 0,319	EHS Score per prep 4.403 0.798	EHS Score all preps 4.403 0.798	CED/10 5.880 0.001	Solvent Energy Score per Solvent Energy prep prep prep 11.554 11.554 0.003 0.00	eps 554 03
	Solvent 3	0	0 mL	0.000	0.000	0.000	0.000	0.000	0.000 0.00	00
SENSITIVITY	Sensitivity Soln prep volume (ml.): Number of Sensitivity Soln preps: Sensitivity Soln greps: Sensitivity Soln discent Solvent 1 Acetonitrile Solvent 2 Water Solvent 3	200 1 1 Percent 50 50	Volume per prep 100 mi 100 mi 0 mi	Density 0.786 1.000 0.000	EHS 2.241 0.319 0.000	EHS Score per prep 176:114 31:99 0.000	EHS Score all preps 176.114 31.909 0.000	CED/10 5.880 0.001 0.000	Solvent Energy Score per Solvent Energy prep prep 462.168 462.168 462.168 462.169	168 00
	Mobile phase A									
		Daviont	Volume per injection	Density	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per Solvent Energy injection injection	
S	Solvent 1 Water Solvent 2 Acetonitrile	Percent 100	7.20 mL	1.000	0.319	2.297	34.462	0.001	0.007 0.10	08
PHASES	Solvent 2 Acetonitrile Solvent 3 -	0	0.00 mL 0.00 mL	0.786 0.000	2.241 0.000	0.000	0.000	5.880 0.000	0.000 0.00	00
표				<u>'</u>			<u> </u>			
끨	Mobile phase B									
MOBILE		Percent	Volume per injection	Density	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per Solvent Energingection injection	tions
2	Solvent 1 Water Solvent 2 Acetonitrile	100	0.00 mL 1.80 mL	1.000 0.786	0.319 2.241	0.000 3.170	0.000 47.551	0.001 5.880	0.000 0.00 8.319 124.1	785
	Solvent 3		0.00 mL	0.000	0.000	0.000	0.000	0.000	0.000 0.00	00
S	Flow rate (mi/min):	Run time (min/injection)								
CONDITIONS	Gradient Your (min)	wr.	MO valume nev ery Post state (vil)	1						
듈	Time (min) %A 1 80	%B 20	MP volume per gradient step (mL) A B	-						
Ö	10 80	20 100	7.20 1.80 0.00 0.00							
		100	0.00							
픕		100	0.00 0.00 0.00 0.00							
INSTRUMENT		100 100 100 100	0.00 0.00							
STR		100 100 100	0.00 0.00							
ž		100	0.00 0.00 Total MP volume per injection (mL)							
			7.20 1.80							
ES										
NOTES										

NOTES	INSTRUMENT CONDITIONS	MOBILE PHASE	S SE	NSITIVITY	SST	SAMPLE	STANDA	RDS	METHOD
Method is assay and degradation products method (analytes = 9), twole phase additive is = 700 m. A namonium acates to the Az also run a low level line arty standard which isn't captured specifically in the above table. It is propared in the same volumes as it be sensitivity standard, so I have added an ordar preparation there to account for this. Phase 3 will disted.	Flow rate (mL/min):	Acetonicile	Acetonitile Acetonitile	Soin prep volur Sensitivity Soin Soin diluent	ST pres volume (ms); 50	Sample prepredume (nr.); 10	Variety Standard grop volume (mt.): 50	Stock standard prop volume (m)t): 50 Number of stock standard props: 2 Sumber of stock standard props: 2 Subsect standard disease Volume Solvent 1 Volume Solvent 3 Acctorotrite 90	Method Number: Arrigen published UPIC Technique: UPIC T
ly in the	(finjection)	mt .	THE STATE OF THE S	2	at .	ä	*	à l	
	MP volume per gradient step (mt) A B O1.1 0.02 O6.61 0.71 O0.00 0.06 O0.01 0.13 O1.11 0.13 O0.00 0.00 O0.00 0.00 O0.00 0.00 O0.00 0.00 Total MP volume per injection (mt) 1.97	0.00 ml.	25 mL 0 mL Volume partinjection	Volume per prep	Volume per prep 25 ml. 25 ml. 0 ml.	Volume per prep 5 ml. 5 ml. 0 ml.	Volume per prop 25 mL 25 mL 0 mL	Volume per prop 5 mil 6 mil	Gr Instancent Energy Score Solvent Energy Score Solvent Ent Score
		0,000 0,000 0,000 0,000 0,000 Density 0,786 0,000 0,000	0.786 0.000 Den sity	Densi	Density 1.000 0.000	Density 1.000 0.786 0.000	Density 1,000 0,786	Density 1.000 0.786 0.000	Greenness Score
		5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	NY DE	0 4	N N N N N N N N N N N N N N N N N N N	D 6 0 by	V V	6 0 8	ss Score
		0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000	2.241 0.000 EHS	EHS 0.319	EHS 0.319 0.000 0.000	EHS 0.319 2.241 0.000	EHS 0.319 0.000	EHS 0.319 2.241 0.000	107,20 880,15 391,04
		EHS Score per prep 1.308	0.000 0.000 EHS Score per prep	EHS Score per prep	EHS score per prep 7,977 0,000	EHS Score per prep 1.595 28.06 0.000	EHS score per prep 7.977 44.028 0.000	EHS Score per prep 1.595 79.251 0.000	1378.38 % of greenness score 7.8% 63.9% 28.4%
		27.124 0.000 0.000 0.000 0.000 EHS Score all preps 27.124 0.000 0.000	44.028 0.000 EHS Score all preps	EHS Score all preps	EHS Score all preps 15.985 0.000 0.000	EHS Score all preps 3.191 17.611 0.000	EHS Score all preps 15.93-5 88.05-7 0.000	EHS Score all preps 3.191 158.502 0.000	
		0.000 0.000 0.000 0.000 0.000 0.000 0.000		0.001 0.001	CED/10 0.000 0.000	CED/10 0.001 5.880 0.000	CED/10 0.001 5.880 0.000	CED/10 0.001 0.001	
		0.000 0.000 0.000 0.000 0.000 Solvent Energy Score pe injection injection 4.745 0.000 0.000	115.542 0.000 0.000 Solvent Energy Score pe	Solvent Chergy Score per Solvent Chergy Score all preps preps preps 0.025 0.025	Solvent Energy Score par Solvent Energy Score all preps	Solvent Energy Score per prep 0.005 23108 0.000	Solvent Energy Score per proper 0.005 0.005 0.000	Salvent Energy Score per prep 0.005 207 976 0.000	
		0,000 0,00	0.000 0.000 Solvent Energy Score all	Solvent Energy Score all preps	Solvent Energy Score all preps 0.050 0.000 0.000	Solvent Energy Score all preps 0.010 46.217 0.000	Solvent Energy Score all preps COSO 231,084 0,000	Solvent Energy Score all preps 0.000 0.000 415.951 0.000	

0	Method Number: Achieal UPLC		Gr	reenness Sco	ore	1125.10				
METHOD	Technique: Instrument energy (kW):	UPLC 0.9	Instrument Energy Score		203.68	% of greenness score 18.1%				
-	Number of analytes of interest: Number of injections/runs for one full analysis:	1 15	Solvent Energy Score Solvent EHS Score		636.17 285.25	56.5% 25.4%				
	Stock standard prep volume (mL): Number of stock standard preps:	5								
	Stock standard diluent Solvent 1 Acetonitrile	Percent 50	Volume per prep 2.5 mL	Density 0.786	EHS 2.241	EHS Score per prep	EHS Score all preps	CED/10 5.880	Solvent Energy Score per prep 11.554	Solvent Energy Score all preps 11.554
	Solvent 2 Water Solvent 3 -	50	2.5 mL 0 mL	1.000 0.000	0.319	0.798	0.798 0.000	0.001 0.000	0.003	0.003
STANDARDS	Working Standard prep volume (mL): Number of working standard preps:	5 1							Solvent Energy Score per	Solvent Energy Score all
	Solvent 1 Acetonitrile Solvent 2 Water	50 50	Volume per prep 2.5 mL 2.5 mL	0.786 1.000	2.241 0.319	4.403 0.798	4.403 0.798	5.880 0.001	prep 11.554 0.003	preps 11.554 0.003
	Solvent 2 Water Solvent 3 -	50	0 mL	0.000	0.000	0.000	0.000	0.000	0.003	0.003
SAMPLE	Sample prep volume (m.): Number of sample preps: Sample diluent Solvent 1 Acetoritrile Solvent 2 Water	Percent 50	Volume per prep 0 mt	Density 0.786	EHS 2.241	EHS Score per prep 0.000	EHS Score all preps	CED/10 5.880	Solvent Energy Score per prep 0.000	Solvent Energy Score all preps 0.000
	Solvent 2 Water Solvent 3 -	50	0 mL 0 mL	1.000 0.000	0.319 0.000	0.000	0.000	0.001 0.000	0.000	0.000
_	SST prep volume (mL): Number of SST preps:	5 1 Percent	Volume per prep	Density	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per prep	Solvent Energy Score al preps
	Solvent 1 Acetonitrile Solvent 2 Water Solvent 3 -	50 50 0	2.5 mL 2.5 mL 0 mL	0.786 1.000 0.000	2.241 0.319 0.000	4.403 0.798 0.000	4.403 0.798 0.000	5.880 0.001 0.000	11.554 0.003 0.000	11.554 0.003 0.000
SENSITIVITY	Sensitivity Soin prep volume (mt.): Number of Sensitivity Soin preps: Sensitivity Soin diluent Sensitivity Soin diluent Solvent 3 Solvent 2 Water Solvent 3 Solvent 3 Solvent 3	200 1 1 Percent 50 50 0	Volume per grep 100 mt 100 mt 0 mt	Density 0.786 1.000 0.000	EHS 2.241 0.319 0.000	EHS Score per prep 176.114 31.909 0.000	EHS Score all preps 176.114 31.909 0.000	CED/10 5.880 0.001 0.000	Solvent Energy Score per prep 462.168 0.100 0.000	Solvent Energy Score all preps 462.168 0.100 0.000
	Mobile phase A								Solvent Energy Score per	Solvent Energy Score all
S .	Solvent 1 Water Solvent 2 -	Percent 100	Volume per injection 1.79 mL	1.000 0.000	0.319	0.572	EHS Score all preps 8.577	0.001 0.000	0.002 0.000	0.027
5	Solvent 2	0	0.00 mL 0.00 mL	0.000	0.000	0.000	0.000	0.000	0.000	0.000 0.000
5		Percent	Volume per injection	Density	EHS	EHS Score per prep	EHS Score all preps	CED/10	Solvent Energy Score per injection	Solvent Energy Score at injections
	Solvent 1 Acetonitrile Solvent 2 -	100 0	2.01 mL 0.00 mL	0.786 0.000	2.241 0.000	3.536 0.000	53.045 0.000	5.880 0.000	9.280	139.205 0.000
	Flow rate (mL/min): 0.4	Run time (min/injection) 9.5	0.00 mL	0.000	0.000	0.000	0.000	0.000	0.000	0.000
INSTRUMENT CONDITIONS	Gradient Time (min) NA 0 95 6 5 8 5 8 5 8 1 55 95 95 95	948 5 95 95 95 100 100 100 100 100 100 100 100 100 10	MP volume per gradient step (mL) A							
NOTES										

Nethod is axay and degradation products method (analytes = 9). Notice phase additive is "10 mM Ammonium acerate. AZ also one a low level linearity standard which and captured specifically in the above table. It is proposed in the same volumes as the sensitivity astandard, so I have added an extra preparation there to account for this. Phase 3 wildated.	NSTRUMENT CONDITIONS	Percent Volume perinjection Density EHS EHS Score per prep E		SST programme (mst): SST programme (mst): SST programme (mst): SST programme (mst): SST disent SST disent Percent Volume per prep Density EBS B45 Score per prep Density D	Sample preps: 150	State standard diluters	Method Number
		Solvent Energy Score par Solvent Energy Score all Injections Inj	Solvent Energy Score per Solvent Energy Score all		Solvent Energy Score par Solvent Energy Score par	165 520 146	Count County County