

LAB CHRONICLE

OrderID:	Q3574	OrderDate:	11/7/2025 10:02:13 AM
Client:	Pacific Commercial Services Inc.	Project:	Kilo Pier
Contact:	Wendi Zheng	Location:	--Select--,J22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3574-01	304641-01 Liquid	Water			11/04/25			11/07/25
			Gasoline Range Organics	8015D			11/10/25	
			TPH GC	8015D		11/10/25	11/11/25	



SAMPLE DATA

Report of Analysis

Client:	Pacific Commercial Services Inc.	Date Collected:	11/04/25
Project:	Kilo Pier	Date Received:	11/07/25
Client Sample ID:	304641-01 Liquid	SDG No.:	Q3574
Lab Sample ID:	Q3574-01	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	840 mL	Final Vol:	1 mL
Prep Method:	SW3510	Test:	TPH GC
	Prep Date:	11/10/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
PHC	Petroleum Hydrocarbons	374000		500	6960	25300	50600	ug/L	11/11/25 13:58	PB170474
SURROGATES										
16416-32-3	TETRACOSANE-d50	0.69	*		29 - 130		1725%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



QC SUMMARY



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

WATER TPH GC SURROGATE RECOVERY

Lab Name: Alliance

Client: Pacific Commercial Services Inc.

Lab Code: ACE

SDG No.: Q3574

CLIENT ID	S1	S2	S3	S4	TOT
	TETRACOSANE-d50				OUT
PIBLK-FF016644.D	84				0
PIBLK-FF016652.D	90				0
PB170474BL	82				0
PB170474BS	89				0
PB170474BSD	88				0
304641-01 Liquid	1725 *				1

QC LIMITS

TETRACOSANE-d50

For Water : 29-130

For Soil : 37-130

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out

WATER TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance

Client: Pacific Commercial Services Inc.

Lab Code: ACE

SDG No: Q3574

Client Sample ID : PB170474BS

Datafile: FF016648.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS (%)
Petroleum Hydrocarbons	340	0	328	96	78-117

WATER TPH GC LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name: Alliance

Client: Pacific Commercial Services Inc.

Lab Code: ACE

SDG No: Q3574

Client Sample ID : PB170474BSD

Datafile: FF016649.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS (%)
Petroleum Hydrocarbons	340	0	328	96	78-117

LCS/LCSD % Recovery RPD : 0

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB170474BL

Lab Name: Alliance

Contract: PACI01

Lab Code: ACE

SDG NO.: Q3574

Lab File ID: FF016647.D

Lab Sample ID: PB170474BL

Instrument ID: FF

Date Extracted: 11/11/2025

Matrix: (soil/water) Water

Date Analyzed: 11/11/25

Level: (low/med) low

Time Analyzed: 12:01

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170474BS	PB170474BS	FF016648.D	11/11/25
PB170474BSD	PB170474BSD	FF016649.D	11/11/25
304641-01 Liquid	Q3574-01	FF016651.D	11/11/25

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Pacific Commercial Services Inc.		Date Collected:	
Project:	Kilo Pier		Date Received:	
Client Sample ID:	PB170474BL		SDG No.:	Q3574
Lab Sample ID:	PB170474BL		Matrix:	Water
Analytical Method:	8015D TPH		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1 mL	Test:	TPH GC
Prep Method:	SW3510	Prep Date: 11/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
PHC	Petroleum Hydrocarbons	42.0	U	1	12.0	42.0	85.0	ug/L	11/11/25 12:01	PB170474
SURROGATES										
16416-32-3	TETRACOSANE-d50	16.4			29 - 130		82%	SPK: 20		

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N = Presumptive Evidence of a Compound

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D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Pacific Commercial Services Inc.	Date Collected:	11/11/25
Project:	Kilo Pier	Date Received:	11/11/25
Client Sample ID:	PIBLK-FF016644.D	SDG No.:	Q3574
Lab Sample ID:	I.BLK-FF016644.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1 mL
Prep Method:	SW3510	Test:	TPH GC
	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
PHC	Petroleum Hydrocarbons	42.0	U	1	12.0	42.0	85.0	ug/L	11/11/25	FF111125
SURROGATES										
16416-32-3	TETRACOSANE-d50	16.9			29 - 130		84%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Pacific Commercial Services Inc.	Date Collected:	11/11/25
Project:	Kilo Pier	Date Received:	11/11/25
Client Sample ID:	PIBLK-FF016652.D	SDG No.:	Q3574
Lab Sample ID:	I.BLK-FF016652.D	Matrix:	Water
Analytical Method:	8015D TPH	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1 mL
Prep Method:	SW3510	Test:	TPH GC
	Prep Date:		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
PHC	Petroleum Hydrocarbons	42.0	U	1	12.0	42.0	85.0	ug/L	11/11/25	FF111125
SURROGATES										
16416-32-3	TETRACOSANE-d50	18.1			29 - 130		90%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Pacific Commercial Services Inc.		Date Collected:	
Project:	Kilo Pier		Date Received:	
Client Sample ID:	PB170474BS		SDG No.:	Q3574
Lab Sample ID:	PB170474BS		Matrix:	Water
Analytical Method:	8015D TPH		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1 mL	Test:	TPH GC
Prep Method:	SW3510	Prep Date: 11/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
PHC	Petroleum Hydrocarbons	328		1	12.0	42.0	85.0	ug/L	11/11/25 12:30	PB170474
SURROGATES										
16416-32-3	TETRACOSANE-d50	17.7			29 - 130		89%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	Pacific Commercial Services Inc.		Date Collected:	
Project:	Kilo Pier		Date Received:	
Client Sample ID:	PB170474BSD		SDG No.:	Q3574
Lab Sample ID:	PB170474BSD		Matrix:	Water
Analytical Method:	8015D TPH		% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1 mL	Test:	TPH GC
Prep Method:	SW3510	Prep Date: 11/10/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
PHC	Petroleum Hydrocarbons	328		1	12.0	42.0	85.0	ug/L	11/11/25 12:59	PB170474
SURROGATES										
16416-32-3	TETRACOSANE-d50	17.6			29 - 130		88%	SPK: 20		

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

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() = Laboratory InHouse Limit



CALIBRATION SUMMARY

TPH GC INITIAL CALIBRATION SUMMARY

Lab Name: Alliance

Contract: PACI01

ProjectID: Kilo Pier

Lab Code: ACE

SDG No.: Q3574

Calibration Sequence : FF102925		Test : TPH GC	
Concentration (PPM)	Area Count	Reference Factor	File ID
85	9472915	111446	FF016603.D
170	18165984	106859	FF016604.D
340	37023074	108891	FF016605.D
850	89698209	105527	FF016606.D
1700	169764046	99861	FF016607.D
AVG RF : 106517		% RSD : 4.074	AVG RT : 15.059

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: PACI01
ProjectID: Kilo Pier
Lab Code: ACE SDG No.: Q3574
DataFile: FF016645.D Analyst Name: YP\AJ Analyst Date: 11-11-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	85848516	100998	106517	5.181

TPH GC CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Alliane Contract: PACI01
ProjectID: Kilo Pier
Lab Code: ACE SDG No.: Q3574
DataFile: FF016653.D Analyst Name: YP\AJ Analyst Date: 11-11-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
850	92939637	109341	106517	2.651

Analytical Sequence

Client: Pacific Commercial Services Inc.

SDG No.: Q3574

Project: Kilo Pier

Instrument ID: FID_F

GC Column: RXI-1MS **ID:** 0.18 (mm)

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION 15.059					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	11 Nov 2025 09:30	FF016644.D	15.061	
50 PPM TRPH STD	50 PPM TRPH STD	11 Nov 2025 11:01	FF016645.D	15.063	
PB170474BL	PB170474BL	11 Nov 2025 12:01	FF016647.D	15.060	
PB170474BS	PB170474BS	11 Nov 2025 12:30	FF016648.D	15.060	
PB170474BSD	PB170474BSD	11 Nov 2025 12:59	FF016649.D	15.060	
304641-01 Liquid	Q3574-01	11 Nov 2025 13:58	FF016651.D	15.099	
PIBLK02	LBLK02	11 Nov 2025 14:27	FF016652.D	15.059	
50 PPM TRPH STD	50 PPM TRPH STD	11 Nov 2025 14:57	FF016653.D	15.061	

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111125\
Data File : FF016650.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2025 13:29
Operator : YP\AJ
Sample : Q3574-01 100X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
304641-01 Liquid

A

B

C

D

E

F

G

Integration File: autoint1.e
Quant Time: Nov 12 00:18:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102925.M
Quant Title :
QLast Update : Wed Oct 29 12:48:52 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S TETRACOSANE-d50 (SURR...	15.100	384215	3.678 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

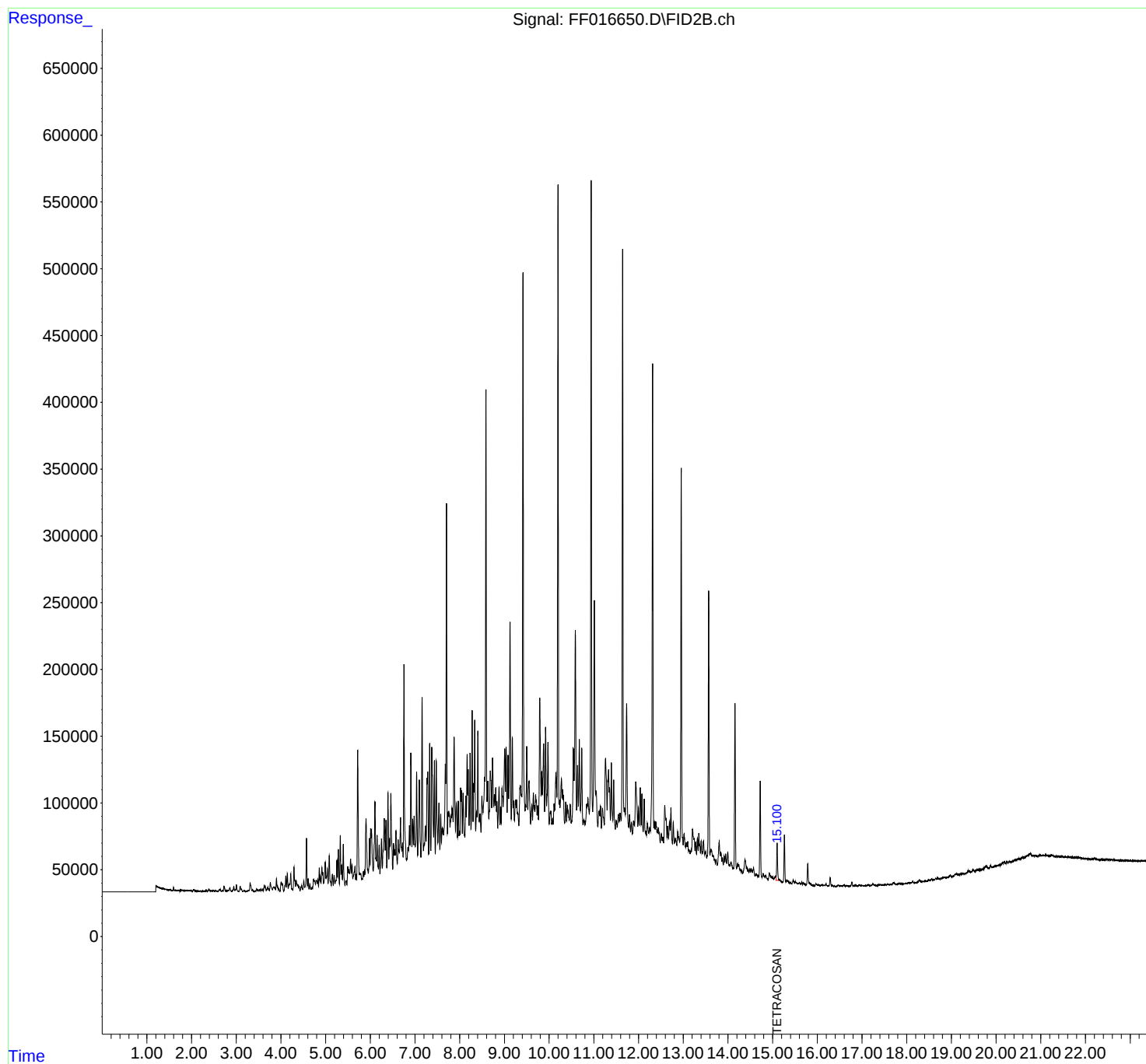
(m)=manual int.

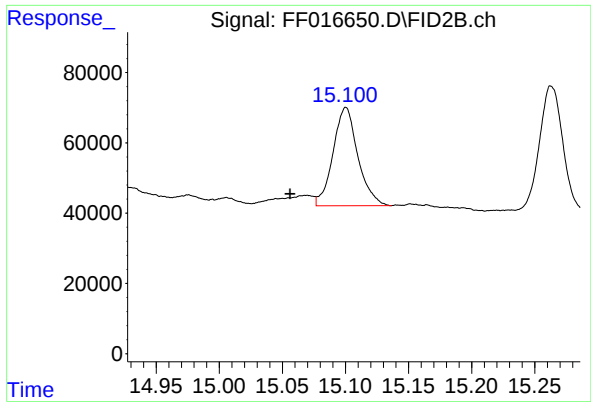
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111125\
Data File : FF016650.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2025 13:29
Operator : YP\AJ
Sample : Q3574-01 100X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
304641-01 Liquid

Integration File: autoint1.e
Quant Time: Nov 12 00:18:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102925.M
Quant Title :
QLast Update : Wed Oct 29 12:48:52 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1uL
Signal Phase : Rxi-1ms
Signal Info : 20mx0.18mmx0.18um





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.100 min
Delta R.T.: 0.044 min
Response: 384215
Conc: 3.68 ug/ml

Instrument :
FID_F
ClientSampleId :
304641-01 Liquid

A
B
C
D
E
F
G

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF111125\
Data File : FF016650.D
Signal(s) : FID2B.ch
Acq On : 11 Nov 2025 13:29
Sample : Q3574-01 100X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF102925.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	1.923	1.900	1.942	BV	363	3649	0.05%	0.001%
2	1.952	1.942	1.960	PV	123	622	0.01%	0.000%
3	1.963	1.960	1.967	VV	60	195	0.00%	0.000%
4	1.979	1.967	2.022	VV	379	4938	0.06%	0.001%
5	2.058	2.022	2.102	PV	1061	21623	0.27%	0.006%
6	2.107	2.102	2.124	VV	135	1258	0.02%	0.000%
7	2.139	2.124	2.179	VV	232	3222	0.04%	0.001%
8	2.206	2.179	2.234	VV	172	2275	0.03%	0.001%
9	2.256	2.234	2.289	VV	369	5024	0.06%	0.001%
10	2.293	2.289	2.300	PV	50	129	0.00%	0.000%
11	2.324	2.300	2.351	VV	1316	17279	0.21%	0.005%
12	2.354	2.351	2.361	VV	170	914	0.01%	0.000%
13	2.389	2.361	2.425	VV	1844	30495	0.38%	0.009%
14	2.428	2.425	2.437	VV	445	2149	0.03%	0.001%
15	2.455	2.437	2.469	VV	790	9959	0.12%	0.003%
16	2.485	2.469	2.511	VV	1260	17088	0.21%	0.005%
17	2.531	2.511	2.543	VV	607	8989	0.11%	0.003%
18	2.548	2.543	2.577	VV	497	5094	0.06%	0.002%
19	2.616	2.577	2.628	PV	1426	17281	0.21%	0.005%
20	2.640	2.628	2.672	VV	1852	23397	0.29%	0.007%
21	2.688	2.672	2.706	VV	726	8438	0.10%	0.003%
22	2.725	2.706	2.765	VV	4093	67150	0.83%	0.020%
23	2.779	2.765	2.789	VV	491	5622	0.07%	0.002%
24	2.801	2.789	2.810	VV	713	7780	0.10%	0.002%
25	2.820	2.810	2.834	VV	977	11156	0.14%	0.003%
26	2.860	2.834	2.905	VV	2892	52907	0.66%	0.016%
27	2.945	2.905	2.968	VV	3857	60654	0.75%	0.018%
28	2.980	2.968	2.985	VV	1252	11387	0.14%	0.003%
29	3.004	2.985	3.043	VV	5076	68867	0.85%	0.021%
30	3.047	3.043	3.058	VV	161	1021	0.01%	0.000%
31	3.089	3.058	3.106	VV	3921	57409	0.71%	0.017%
32	3.117	3.106	3.159	VV	1945	26533	0.33%	0.008%
33	3.176	3.159	3.212	VV	851	13475	0.17%	0.004%
34	3.242	3.212	3.254	PV	315	4725	0.06%	0.001%
35	3.269	3.254	3.283	VV	960	11327	0.14%	0.003%
36	3.311	3.283	3.348	VV	6527	122371	1.52%	0.036%

rteres								
37	3.364	3.348	3.404	VV	1261	19002	0.24%	0.006%
38	3.426	3.404	3.437	PV	491	6323	0.08%	0.002%
39	3.454	3.437	3.472	VV	2140	26293	0.33%	0.008%
40	3.485	3.472	3.510	VV	1374	19340	0.24%	0.006%
41	3.527	3.510	3.544	VV	1317	19743	0.25%	0.006%
42	3.557	3.544	3.575	VV	1794	21991	0.27%	0.007%
43	3.594	3.575	3.609	VV	1742	21965	0.27%	0.007%
44	3.627	3.609	3.640	VV	4798	59552	0.74%	0.018%
45	3.648	3.640	3.669	VV	3721	42389	0.53%	0.013%
46	3.685	3.669	3.692	VV	1887	18002	0.22%	0.005%
47	3.706	3.692	3.724	VV	3118	41461	0.51%	0.012%
48	3.734	3.724	3.742	VV	1234	12726	0.16%	0.004%
49	3.763	3.742	3.810	VV	6696	135895	1.69%	0.040%
50	3.842	3.810	3.855	VV	3321	73685	0.91%	0.022%
51	3.862	3.855	3.879	VV	2903	32976	0.41%	0.010%
52	3.899	3.879	3.915	VV	9624	115845	1.44%	0.035%
53	3.922	3.915	3.939	VV	4018	43510	0.54%	0.013%
54	3.949	3.939	3.976	VV	2299	27839	0.35%	0.008%
55	4.003	3.976	4.021	VV	6759	110192	1.37%	0.033%
56	4.032	4.021	4.062	VV	5782	79870	0.99%	0.024%
57	4.089	4.062	4.095	VV	4452	45329	0.56%	0.014%
58	4.109	4.095	4.125	VV	11650	133792	1.66%	0.040%
59	4.143	4.125	4.163	VV	13425	169691	2.11%	0.051%
60	4.189	4.163	4.200	VV	5413	102178	1.27%	0.030%
61	4.220	4.200	4.241	VV	13005	177646	2.20%	0.053%
62	4.249	4.241	4.265	VV	1945	21191	0.26%	0.006%
63	4.292	4.265	4.326	VV	18148	304064	3.77%	0.091%
64	4.343	4.326	4.372	VV	7840	150924	1.87%	0.045%
65	4.381	4.372	4.397	VV	4807	59588	0.74%	0.018%
66	4.408	4.397	4.428	VV	3639	39289	0.49%	0.012%
67	4.464	4.428	4.488	VV	4037	85295	1.06%	0.025%
68	4.511	4.488	4.533	VV	7935	116823	1.45%	0.035%
69	4.572	4.533	4.594	VV	39686	502851	6.24%	0.150%
70	4.608	4.594	4.628	VV	9334	110701	1.37%	0.033%
71	4.647	4.628	4.668	VV	5356	75872	0.94%	0.023%
72	4.681	4.668	4.690	VV	2035	22844	0.28%	0.007%
73	4.703	4.690	4.709	VV	2259	23298	0.29%	0.007%
74	4.728	4.709	4.740	VV	8927	113884	1.41%	0.034%
75	4.750	4.740	4.771	VV	7821	132379	1.64%	0.039%
76	4.787	4.771	4.813	VV	8059	173910	2.16%	0.052%
77	4.826	4.813	4.841	VV	9069	113809	1.41%	0.034%
78	4.858	4.841	4.871	VV	17398	196854	2.44%	0.059%
79	4.881	4.871	4.896	VV	10909	126861	1.57%	0.038%
80	4.917	4.896	4.930	VV	17735	256208	3.18%	0.076%
81	4.937	4.930	4.955	VV	13938	158046	1.96%	0.047%
82	4.991	4.955	5.007	VV	21672	384940	4.78%	0.115%
83	5.037	5.007	5.056	VV	16754	326941	4.06%	0.097%
84	5.081	5.056	5.105	VV	26515	436877	5.42%	0.130%
85	5.110	5.105	5.126	VV	7090	72629	0.90%	0.022%
86	5.151	5.126	5.170	VV	12325	221269	2.75%	0.066%
87	5.190	5.170	5.213	VV	11804	200153	2.48%	0.060%
88	5.226	5.213	5.235	VV	7740	91273	1.13%	0.027%
89	5.252	5.235	5.266	VV	22977	289735	3.60%	0.086%

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90	5.284	5.266	5.308	VV	30915	456156	5.66%	0.136%
91	5.329	5.308	5.345	VV	41537	503243	6.25%	0.150%
92	5.359	5.345	5.376	VV	19343	263891	3.28%	0.079%
93	5.396	5.376	5.431	VV	34895	520373	6.46%	0.155%
94	5.460	5.431	5.475	VV	7595	165972	2.06%	0.049%
95	5.496	5.475	5.508	VV	18178	243579	3.02%	0.073%
96	5.518	5.508	5.540	VV	16087	273606	3.40%	0.082%
97	5.559	5.540	5.575	VV	23957	382791	4.75%	0.114%
98	5.591	5.575	5.608	VV	19383	296717	3.68%	0.088%
99	5.656	5.608	5.672	VV	18144	490987	6.09%	0.146%
100	5.684	5.672	5.695	VV	12363	143872	1.79%	0.043%
101	5.717	5.695	5.756	VV	105150	1678988	20.84%	0.500%
102	5.764	5.756	5.771	VV	12532	110424	1.37%	0.033%
103	5.781	5.771	5.811	VV	12866	269016	3.34%	0.080%
104	5.817	5.811	5.826	VV	8685	77083	0.96%	0.023%
105	5.844	5.826	5.857	VV	14352	218421	2.71%	0.065%
106	5.868	5.857	5.878	VV	15139	162860	2.02%	0.049%
107	5.903	5.878	5.935	VV	53723	1135356	14.09%	0.338%
108	5.942	5.935	5.954	VV	16353	171433	2.13%	0.051%
109	5.982	5.954	5.994	VV	39040	561254	6.97%	0.167%
110	6.007	5.994	6.016	VV	46499	500869	6.22%	0.149%
111	6.027	6.016	6.063	VV	45576	852106	10.58%	0.254%
112	6.103	6.063	6.135	VV	66600	1443788	17.92%	0.430%
113	6.151	6.135	6.181	VV	41315	721712	8.96%	0.215%
114	6.198	6.181	6.215	VV	34234	480233	5.96%	0.143%
115	6.249	6.215	6.269	VV	38525	778445	9.66%	0.232%
116	6.311	6.269	6.333	VV	53907	1391363	17.27%	0.415%
117	6.349	6.333	6.368	VV	52600	747685	9.28%	0.223%
118	6.395	6.368	6.414	VV	73311	1122432	13.93%	0.334%
119	6.435	6.414	6.445	VV	38858	617859	7.67%	0.184%
120	6.459	6.445	6.500	VV	72701	1390197	17.26%	0.414%
121	6.519	6.500	6.531	VV	35135	493056	6.12%	0.147%
122	6.543	6.531	6.556	VV	30319	424770	5.27%	0.127%
123	6.573	6.556	6.603	VV	44799	873573	10.84%	0.260%
124	6.622	6.603	6.650	VV	37855	838137	10.40%	0.250%
125	6.674	6.650	6.705	VV	54677	1262785	15.67%	0.376%
126	6.718	6.705	6.731	VV	35630	488359	6.06%	0.145%
127	6.752	6.731	6.804	VV	168997	2817919	34.98%	0.840%
128	6.812	6.804	6.819	VV	23528	206073	2.56%	0.061%
129	6.840	6.819	6.854	VV	32004	603247	7.49%	0.180%
130	6.875	6.854	6.888	VV	48513	810672	10.06%	0.242%
131	6.906	6.888	6.931	VV	102876	1597424	19.83%	0.476%
132	6.946	6.931	6.965	VV	52843	921971	11.44%	0.275%
133	6.979	6.965	7.005	VV	55713	983031	12.20%	0.293%
134	7.035	7.005	7.059	VV	88724	1609747	19.98%	0.480%
135	7.096	7.059	7.130	VV	82598	2049923	25.44%	0.611%
136	7.157	7.130	7.188	VV	144237	2368158	29.39%	0.706%
137	7.208	7.188	7.213	VV	35497	501351	6.22%	0.149%
138	7.232	7.213	7.247	VV	48014	857701	10.65%	0.256%
139	7.269	7.247	7.275	VV	84099	1009110	12.53%	0.301%
140	7.284	7.275	7.305	VV	88708	1146574	14.23%	0.342%
141	7.327	7.305	7.353	VV	109951	1712323	21.25%	0.510%



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142	7.374	7.353	7.416	VV	106920	2566678	31.86%	0.765%
143	7.433	7.416	7.452	VV	97067	1325370	16.45%	0.395%
144	7.475	7.452	7.511	VV	96835	1983181	24.62%	0.591%
145	7.534	7.511	7.555	VV	65147	1283320	15.93%	0.382%
146	7.575	7.555	7.591	VV	56960	946400	11.75%	0.282%
147	7.606	7.591	7.613	VV	46160	575267	7.14%	0.171%
148	7.624	7.613	7.638	VV	45768	639282	7.93%	0.190%
149	7.677	7.638	7.685	VV	94045	1779232	22.08%	0.530%
150	7.704	7.685	7.725	VV	289494	3566977	44.27%	1.063%
151	7.739	7.725	7.746	VV	57666	679897	8.44%	0.203%
152	7.754	7.746	7.767	VV	59034	712648	8.85%	0.212%
153	7.770	7.767	7.783	VV	55839	496609	6.16%	0.148%
154	7.808	7.783	7.814	VV	55425	976764	12.12%	0.291%
155	7.828	7.814	7.852	VV	61273	1280072	15.89%	0.381%
156	7.874	7.852	7.906	VV	114510	2491658	30.93%	0.742%
157	7.923	7.906	7.949	VV	65132	1391278	17.27%	0.415%
158	7.967	7.949	7.985	VV	66517	1151633	14.29%	0.343%
159	7.995	7.985	8.002	VV	43412	428176	5.31%	0.128%
160	8.020	8.002	8.029	VV	76150	1014695	12.59%	0.302%
161	8.040	8.029	8.058	VV	74462	1083289	13.45%	0.323%
162	8.075	8.058	8.114	VV	72490	1763001	21.88%	0.525%
163	8.135	8.114	8.147	VV	70193	1123336	13.94%	0.335%
164	8.165	8.147	8.179	VV	101485	1524679	18.92%	0.454%
165	8.190	8.179	8.208	VV	90039	1244686	15.45%	0.371%
166	8.232	8.208	8.252	VV	102247	1823111	22.63%	0.543%
167	8.278	8.252	8.298	VV	134645	2251384	27.94%	0.671%
168	8.314	8.298	8.321	VV	79889	925306	11.48%	0.276%
169	8.336	8.321	8.357	VV	127209	1862073	23.11%	0.555%
170	8.377	8.357	8.387	VV	58487	969659	12.04%	0.289%
171	8.406	8.387	8.436	VV	118908	2209813	27.43%	0.658%
172	8.453	8.436	8.477	VV	56920	1237151	15.36%	0.369%
173	8.496	8.477	8.521	VV	69961	1578964	19.60%	0.470%
174	8.558	8.521	8.564	VV	83786	1841723	22.86%	0.549%
175	8.587	8.564	8.611	VV	374875	5117476	63.52%	1.525%
176	8.629	8.611	8.650	VV	81213	1658477	20.59%	0.494%
177	8.683	8.650	8.715	VV	88867	2798476	34.73%	0.834%
178	8.734	8.715	8.762	VV	98631	2218587	27.54%	0.661%
179	8.778	8.762	8.792	VV	70997	1198770	14.88%	0.357%
180	8.806	8.792	8.822	VV	76344	1251131	15.53%	0.373%
181	8.834	8.822	8.850	VV	65913	979912	12.16%	0.292%
182	8.880	8.850	8.902	VV	76470	1870897	23.22%	0.557%
183	8.915	8.902	8.928	VV	62182	873013	10.84%	0.260%
184	8.946	8.928	8.956	VV	76004	1127910	14.00%	0.336%
185	8.960	8.956	8.971	VV	70123	605722	7.52%	0.180%
186	9.007	8.971	9.024	VV	105372	2625906	32.59%	0.782%
187	9.039	9.024	9.061	VV	106511	1912950	23.74%	0.570%
188	9.081	9.061	9.096	VV	100423	1666380	20.68%	0.496%
189	9.126	9.096	9.153	VV	199661	3777560	46.89%	1.125%
190	9.178	9.153	9.196	VV	113379	2035352	25.26%	0.606%
191	9.204	9.196	9.223	VV	66249	995186	12.35%	0.296%
192	9.247	9.223	9.261	VV	66889	1381661	17.15%	0.412%
193	9.274	9.261	9.323	VV	66899	2158566	26.79%	0.643%
194	9.356	9.323	9.373	VV	77473	2047773	25.42%	0.610%

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195	9.382	9.373	9.391	VV	71207	746107	9.26%	0.222%
196	9.416	9.391	9.462	VV	461441	7220866	89.63%	2.151%
197	9.500	9.462	9.522	VV	106854	2727040	33.85%	0.812%
198	9.551	9.522	9.583	VV	80852	2516122	31.23%	0.750%
199	9.613	9.583	9.628	VV	63182	1534102	19.04%	0.457%
200	9.648	9.628	9.664	VV	72395	1381849	17.15%	0.412%
201	9.672	9.664	9.683	VV	62486	694840	8.62%	0.207%
202	9.699	9.683	9.709	VV	70719	1033901	12.83%	0.308%
203	9.715	9.709	9.731	VV	66315	793936	9.85%	0.237%
204	9.746	9.731	9.761	VV	62111	1057006	13.12%	0.315%
205	9.791	9.761	9.821	VV	143244	3413963	42.37%	1.017%
206	9.834	9.821	9.848	VV	87976	1298939	16.12%	0.387%
207	9.877	9.848	9.899	VV	108717	2548803	31.64%	0.759%
208	9.921	9.899	9.942	VV	121395	2230643	27.69%	0.665%
209	9.974	9.942	10.002	VV	109965	2711741	33.66%	0.808%
210	10.025	10.002	10.029	VV	57513	864739	10.73%	0.258%
211	10.038	10.029	10.057	VV	58391	930889	11.55%	0.277%
212	10.077	10.057	10.090	VV	52686	987098	12.25%	0.294%
213	10.109	10.090	10.123	VV	63855	1142040	14.18%	0.340%
214	10.152	10.123	10.173	VV	86622	2267064	28.14%	0.675%
215	10.198	10.173	10.221	VV	525663	6761090	83.92%	2.014%
216	10.229	10.221	10.242	VV	66390	793141	9.84%	0.236%
217	10.276	10.242	10.291	VV	82606	2132045	26.46%	0.635%
218	10.300	10.291	10.313	VV	74299	934521	11.60%	0.278%
219	10.320	10.313	10.346	VV	70332	1195435	14.84%	0.356%
220	10.371	10.346	10.389	VV	65011	1464661	18.18%	0.436%
221	10.407	10.389	10.452	VV	62441	2118977	26.30%	0.631%
222	10.471	10.452	10.497	VV	63256	1518766	18.85%	0.452%
223	10.542	10.497	10.558	VV	104685	2647082	32.86%	0.789%
224	10.586	10.558	10.614	VV	193271	4033318	50.06%	1.202%
225	10.634	10.614	10.653	VV	92405	1734191	21.52%	0.517%
226	10.675	10.653	10.699	VV	111657	2248284	27.91%	0.670%
227	10.729	10.699	10.756	VV	105326	2438866	30.27%	0.727%
228	10.774	10.756	10.798	VV	51639	1278755	15.87%	0.381%
229	10.839	10.798	10.850	VV	63116	1696047	21.05%	0.505%
230	10.866	10.850	10.898	VV	67848	1787498	22.19%	0.533%
231	10.940	10.898	10.974	VV	531678	8056651	100.00%	2.400%
232	11.011	10.974	11.037	VV	215797	4579071	56.84%	1.364%
233	11.052	11.037	11.091	VV	73352	1967162	24.42%	0.586%
234	11.114	11.091	11.135	VV	57828	1467520	18.22%	0.437%
235	11.150	11.135	11.169	VV	61852	1103409	13.70%	0.329%
236	11.193	11.169	11.233	VV	59807	2048220	25.42%	0.610%
237	11.261	11.233	11.297	VV	97268	2956987	36.70%	0.881%
238	11.329	11.297	11.345	VV	88988	2239560	27.80%	0.667%
239	11.352	11.345	11.371	VV	75250	1050188	13.04%	0.313%
240	11.392	11.371	11.425	VV	94113	2162357	26.84%	0.644%
241	11.444	11.425	11.481	VV	81379	1952680	24.24%	0.582%
242	11.502	11.481	11.522	VV	50739	1208554	15.00%	0.360%
243	11.546	11.522	11.570	VV	55131	1476095	18.32%	0.440%
244	11.587	11.570	11.611	VV	56533	1305764	16.21%	0.389%
245	11.644	11.611	11.678	VV	479090	7119193	88.36%	2.121%
246	11.688	11.678	11.702	VV	60266	813499	10.10%	0.242%

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247	11.734	11.702	11.781	VV	138256	3641335	45.20%	1.085%
248	11.797	11.781	11.824	VV	55222	1280976	15.90%	0.382%
249	11.841	11.824	11.862	VV	49093	1025177	12.72%	0.305%
250	11.888	11.862	11.908	VV	50346	1278952	15.87%	0.381%
251	11.938	11.908	11.981	VV	79803	2793430	34.67%	0.832%
252	11.998	11.981	12.015	VV	60479	1057298	13.12%	0.315%
253	12.038	12.015	12.059	VV	75223	1618277	20.09%	0.482%
254	12.076	12.059	12.104	VV	70758	1486142	18.45%	0.443%
255	12.127	12.104	12.152	VV	66683	1469417	18.24%	0.438%
256	12.162	12.152	12.176	VV	42976	608633	7.55%	0.181%
257	12.198	12.176	12.224	VV	48816	1275480	15.83%	0.380%
258	12.246	12.224	12.252	VV	45355	714230	8.87%	0.213%
259	12.254	12.252	12.265	VV	44728	354364	4.40%	0.106%
260	12.315	12.265	12.342	VV	392346	6417429	79.65%	1.912%
261	12.355	12.342	12.368	VV	49734	737783	9.16%	0.220%
262	12.385	12.368	12.412	VV	49781	1204956	14.96%	0.359%
263	12.419	12.412	12.428	VV	43335	424392	5.27%	0.126%
264	12.444	12.428	12.459	VV	45417	800399	9.93%	0.238%
265	12.464	12.459	12.486	VV	41328	623834	7.74%	0.186%
266	12.512	12.486	12.529	VV	40207	963691	11.96%	0.287%
267	12.543	12.529	12.561	VV	38201	691205	8.58%	0.206%
268	12.587	12.561	12.612	VV	61760	1572775	19.52%	0.469%
269	12.619	12.612	12.637	VV	51706	684390	8.49%	0.204%
270	12.652	12.637	12.671	VV	46473	850068	10.55%	0.253%
271	12.694	12.671	12.709	VV	49795	1003684	12.46%	0.299%
272	12.725	12.709	12.758	VV	59858	1330837	16.52%	0.396%
273	12.778	12.758	12.801	VV	49350	1031209	12.80%	0.307%
274	12.822	12.801	12.856	VV	36404	1149006	14.26%	0.342%
275	12.878	12.856	12.896	VV	42272	915038	11.36%	0.273%
276	12.902	12.896	12.920	VV	37876	523162	6.49%	0.156%
277	12.956	12.920	13.000	VV	313486	4906296	60.90%	1.462%
278	13.020	13.000	13.053	VV	40042	1131824	14.05%	0.337%
279	13.072	13.053	13.087	VV	33983	658623	8.17%	0.196%
280	13.101	13.087	13.120	VV	34468	615526	7.64%	0.183%
281	13.131	13.120	13.158	VV	28485	635448	7.89%	0.189%
282	13.177	13.158	13.185	VV	28276	434497	5.39%	0.129%
283	13.209	13.185	13.238	VV	43649	1182029	14.67%	0.352%
284	13.244	13.238	13.263	VV	37097	507955	6.30%	0.151%
285	13.278	13.263	13.298	VV	34017	628414	7.80%	0.187%
286	13.318	13.298	13.334	VV	37144	681155	8.45%	0.203%
287	13.350	13.334	13.386	VV	40848	1035538	12.85%	0.309%
288	13.402	13.386	13.425	VV	35009	693261	8.60%	0.207%
289	13.451	13.425	13.479	VV	34331	953589	11.84%	0.284%
290	13.502	13.479	13.527	VV	27203	729600	9.06%	0.217%
291	13.570	13.527	13.598	VV	222012	3373349	41.87%	1.005%
292	13.626	13.598	13.655	VV	28389	902988	11.21%	0.269%
293	13.670	13.655	13.695	VV	24136	555403	6.89%	0.165%
294	13.702	13.695	13.719	VV	21084	293317	3.64%	0.087%
295	13.735	13.719	13.762	VV	21033	481982	5.98%	0.144%
296	13.805	13.762	13.828	VV	34119	1019660	12.66%	0.304%
297	13.844	13.828	13.863	VV	26247	518280	6.43%	0.154%
298	13.876	13.863	13.896	VV	22311	397417	4.93%	0.118%
299	13.917	13.896	13.932	VV	23561	441822	5.48%	0.132%

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300	13.949	13.932	13.976	VV	24975	555474	6.89%	0.165%
301	13.996	13.976	14.022	VV	26236	600972	7.46%	0.179%
302	14.028	14.022	14.044	VV	16822	214463	2.66%	0.064%
303	14.069	14.044	14.111	VV	19167	675638	8.39%	0.201%
304	14.157	14.111	14.194	VV	138052	2263901	28.10%	0.674%
305	14.216	14.194	14.227	VV	17893	326283	4.05%	0.097%
306	14.243	14.227	14.268	VV	17084	377301	4.68%	0.112%
307	14.272	14.268	14.293	VV	13408	191887	2.38%	0.057%
308	14.308	14.293	14.328	VV	12745	252594	3.14%	0.075%
309	14.380	14.328	14.412	VV	20880	791627	9.83%	0.236%
310	14.423	14.412	14.439	VV	15235	222548	2.76%	0.066%
311	14.452	14.439	14.469	VV	13797	225823	2.80%	0.067%
312	14.488	14.469	14.504	VV	13535	258686	3.21%	0.077%
313	14.519	14.504	14.537	VV	13957	251742	3.12%	0.075%
314	14.545	14.537	14.556	VV	12492	138872	1.72%	0.041%
315	14.573	14.556	14.609	VV	14888	370959	4.60%	0.111%
316	14.633	14.609	14.669	VV	10063	331900	4.12%	0.099%
317	14.673	14.669	14.683	VV	8387	68415	0.85%	0.020%
318	14.722	14.683	14.763	VV	79734	1291117	16.03%	0.385%
319	14.786	14.763	14.831	VV	10122	350044	4.34%	0.104%
320	14.848	14.831	14.900	VV	8642	298775	3.71%	0.089%
321	14.926	14.900	14.962	VV	10578	314347	3.90%	0.094%
322	14.975	14.962	14.992	VV	8219	133616	1.66%	0.040%
323	15.006	14.992	15.025	VV	7457	135542	1.68%	0.040%
324	15.069	15.025	15.077	VV	8010	218387	2.71%	0.065%
325	15.100	15.077	15.137	VV	33087	565533	7.02%	0.168%
326	15.141	15.137	15.145	VV	5248	26365	0.33%	0.008%
327	15.152	15.145	15.211	VV	5542	184598	2.29%	0.055%
328	15.263	15.211	15.294	VV	39159	635938	7.89%	0.189%
329	15.323	15.294	15.368	VV	4821	185938	2.31%	0.055%
330	15.370	15.368	15.388	VV	3432	38103	0.47%	0.011%
331	15.404	15.388	15.426	VV	3179	64153	0.80%	0.019%
332	15.457	15.426	15.487	VV	5108	138907	1.72%	0.041%
333	15.515	15.487	15.527	VV	3760	82263	1.02%	0.025%
334	15.533	15.527	15.560	VV	3067	53960	0.67%	0.016%
335	15.574	15.560	15.584	VV	2714	36500	0.45%	0.011%
336	15.601	15.584	15.631	VV	3358	75779	0.94%	0.023%
337	15.649	15.631	15.672	VV	3490	67257	0.83%	0.020%
338	15.692	15.672	15.747	VV	2784	90832	1.13%	0.027%
339	15.785	15.747	15.908	VV	17195	386074	4.79%	0.115%
340	15.922	15.908	15.944	VV	1040	16770	0.21%	0.005%
341	15.968	15.944	16.002	VV	2138	54240	0.67%	0.016%
342	16.007	16.002	16.016	VV	1411	10623	0.13%	0.003%
343	16.018	16.016	16.035	VV	1407	13877	0.17%	0.004%
344	16.040	16.035	16.046	VV	1076	7275	0.09%	0.002%
345	16.049	16.046	16.067	VV	1115	9809	0.12%	0.003%
346	16.107	16.067	16.127	VV	1545	41435	0.51%	0.012%
347	16.135	16.127	16.144	VV	1001	9487	0.12%	0.003%
348	16.170	16.144	16.175	VV	1033	18074	0.22%	0.005%
349	16.196	16.175	16.237	VV	2085	40796	0.51%	0.012%
350	16.243	16.237	16.258	VV	425	4855	0.06%	0.001%
351	16.288	16.258	16.317	VV	6775	104031	1.29%	0.031%

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352	16.331	16.317	16.370	VV	957	18293	0.23%	0.005%
353	16.378	16.370	16.404	VV	276	3941	0.05%	0.001%
354	16.423	16.404	16.437	VV	152	1830	0.02%	0.001%
355	16.461	16.437	16.506	PV	1057	27071	0.34%	0.008%
356	16.518	16.506	16.542	VV	711	11066	0.14%	0.003%
357	16.547	16.542	16.562	VV	333	2897	0.04%	0.001%
358	16.598	16.562	16.622	VV	984	25253	0.31%	0.008%
359	16.636	16.622	16.641	VV	548	5606	0.07%	0.002%
360	16.652	16.641	16.704	VV	670	13412	0.17%	0.004%
361	16.729	16.704	16.738	PV	351	4520	0.06%	0.001%
362	16.773	16.738	16.799	VV	3179	47913	0.59%	0.014%
363	16.815	16.799	16.821	VV	527	5530	0.07%	0.002%
364	16.832	16.821	16.838	VV	471	4558	0.06%	0.001%
365	16.858	16.838	16.886	VV	940	14488	0.18%	0.004%
366	16.891	16.886	16.911	VV	235	1775	0.02%	0.001%
367	16.939	16.911	16.969	VV	885	19757	0.25%	0.006%
368	16.987	16.969	17.002	VV	487	7958	0.10%	0.002%
369	17.009	17.002	17.036	VV	459	6561	0.08%	0.002%
370	17.074	17.036	17.102	VV	481	12876	0.16%	0.004%
371	17.138	17.102	17.159	VV	1024	21750	0.27%	0.006%
372	17.164	17.159	17.190	VV	357	3173	0.04%	0.001%
373	17.241	17.190	17.276	PV	1793	38398	0.48%	0.011%
374	17.281	17.276	17.323	VV	635	9671	0.12%	0.003%
375	17.334	17.323	17.344	PV	166	795	0.01%	0.000%
376	17.362	17.344	17.368	VV	303	2538	0.03%	0.001%
377	17.399	17.368	17.406	VV	746	11384	0.14%	0.003%
378	17.410	17.406	17.445	VV	759	10593	0.13%	0.003%
379	17.449	17.445	17.452	VV	311	1340	0.02%	0.000%
380	17.484	17.452	17.504	VV	635	11699	0.15%	0.003%
381	17.518	17.504	17.522	VV	290	2460	0.03%	0.001%
382	17.566	17.522	17.602	VV	599	16610	0.21%	0.005%
383	17.625	17.602	17.629	VV	352	3782	0.05%	0.001%
384	17.634	17.629	17.647	VV	277	2334	0.03%	0.001%
385	17.666	17.647	17.671	VV	416	3901	0.05%	0.001%
386	17.700	17.671	17.708	VV	1318	20428	0.25%	0.006%
387	17.717	17.708	17.773	VV	1336	22946	0.28%	0.007%
388	17.821	17.773	17.825	PV	597	9497	0.12%	0.003%
389	17.847	17.825	17.876	VV	729	14964	0.19%	0.004%
390	17.879	17.876	17.894	VV	281	1736	0.02%	0.001%
391	17.914	17.894	17.919	VV	158	1770	0.02%	0.001%
392	17.933	17.919	17.943	VV	74	712	0.01%	0.000%
393	17.949	17.943	17.955	PV	202	863	0.01%	0.000%
394	17.968	17.955	17.983	VV	303	2982	0.04%	0.001%
395	18.026	17.983	18.032	VV	472	6204	0.08%	0.002%
396	18.034	18.032	18.071	VV	430	6018	0.07%	0.002%
397	18.135	18.071	18.166	VV	1477	27169	0.34%	0.008%
398	18.189	18.166	18.199	VV	186	1767	0.02%	0.001%
399	18.208	18.199	18.217	PV	67	478	0.01%	0.000%
400	18.222	18.217	18.231	VV	115	537	0.01%	0.000%
401	18.278	18.231	18.339	PV	1784	46818	0.58%	0.014%
402	18.345	18.339	18.364	VV	313	2438	0.03%	0.001%
403	18.380	18.364	18.387	VV	283	2219	0.03%	0.001%
404	18.419	18.387	18.440	VV	599	11502	0.14%	0.003%

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405	18.444	18.440	18.448	VV	406	1597	0.02%	0.000%
406	18.485	18.448	18.491	VV	781	11474	0.14%	0.003%
407	18.494	18.491	18.514	VV	746	9129	0.11%	0.003%
408	18.523	18.514	18.527	VV	541	3984	0.05%	0.001%
409	18.560	18.527	18.589	VV	1572	32100	0.40%	0.010%
410	18.596	18.589	18.602	VV	478	3407	0.04%	0.001%
411	18.609	18.602	18.621	VV	467	4591	0.06%	0.001%
412	18.648	18.621	18.667	VV	1708	27870	0.35%	0.008%
413	18.690	18.667	18.743	VV	1609	44537	0.55%	0.013%
414	18.767	18.743	18.777	VV	886	14019	0.17%	0.004%
415	18.782	18.777	18.787	VV	873	4816	0.06%	0.001%
416	18.791	18.787	18.797	VV	904	4659	0.06%	0.001%
417	18.831	18.797	18.835	VV	1239	24226	0.30%	0.007%
418	18.847	18.835	18.868	VV	1398	23847	0.30%	0.007%
419	18.873	18.868	18.883	VV	1117	8926	0.11%	0.003%
420	18.887	18.883	18.892	VV	958	5114	0.06%	0.002%
421	18.973	18.892	18.996	VV	2633	92754	1.15%	0.028%
422	18.999	18.996	19.020	VV	1589	18776	0.23%	0.006%
423	19.032	19.020	19.046	VV	1336	18867	0.23%	0.006%
424	19.076	19.046	19.080	VV	2549	39302	0.49%	0.012%
425	19.098	19.080	19.108	VV	2941	43159	0.54%	0.013%
426	19.117	19.108	19.149	VV	2730	58139	0.72%	0.017%
427	19.168	19.149	19.176	VV	2121	33272	0.41%	0.010%
428	19.180	19.176	19.189	VV	2021	15316	0.19%	0.005%
429	19.257	19.189	19.265	VV	2497	103651	1.29%	0.031%
430	19.271	19.265	19.284	VV	2444	25005	0.31%	0.007%
431	19.291	19.284	19.297	VV	2282	17852	0.22%	0.005%
432	19.371	19.297	19.392	VV	4041	164479	2.04%	0.049%
433	19.405	19.392	19.426	VV	3760	68334	0.85%	0.020%
434	19.431	19.426	19.443	VV	2903	28973	0.36%	0.009%
435	19.489	19.443	19.530	VV	4382	183413	2.28%	0.055%
436	19.574	19.530	19.594	VV	4145	143362	1.78%	0.043%
437	19.618	19.594	19.647	VV	3895	114800	1.42%	0.034%
438	19.668	19.647	19.674	VV	3837	59621	0.74%	0.018%
439	19.679	19.674	19.684	VV	3841	22195	0.28%	0.007%
440	19.696	19.684	19.703	VV	3907	43981	0.55%	0.013%
441	19.722	19.703	19.728	VV	4497	60553	0.75%	0.018%
442	19.782	19.728	19.824	VV	5988	292466	3.63%	0.087%
443	19.831	19.824	19.836	VV	4220	28793	0.36%	0.009%
444	19.841	19.836	19.846	VV	4204	24899	0.31%	0.007%
445	19.874	19.846	19.911	VV	5848	191663	2.38%	0.057%
446	19.918	19.911	19.926	VV	4660	41233	0.51%	0.012%
447	19.941	19.926	19.946	VV	4927	56987	0.71%	0.017%
448	20.014	19.946	20.021	VV	5271	225956	2.80%	0.067%
449	20.038	20.021	20.043	VV	5264	70453	0.87%	0.021%
450	20.068	20.043	20.077	VV	5436	104886	1.30%	0.031%
451	20.087	20.077	20.094	VV	5496	54762	0.68%	0.016%
452	20.100	20.094	20.102	VV	5565	27086	0.34%	0.008%
453	20.141	20.102	20.153	VV	6769	186239	2.31%	0.055%
454	20.185	20.153	20.219	VV	7553	271584	3.37%	0.081%
455	20.239	20.219	20.271	VV	7258	206220	2.56%	0.061%
456	20.287	20.271	20.294	VV	6885	93860	1.17%	0.028%

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457	20.301	20.294	20.307	VV	7052	55496	0.69%	0.017%
458	20.313	20.307	20.327	VV	7049	82574	1.02%	0.025%
459	20.332	20.327	20.336	VV	6863	34106	0.42%	0.010%
460	20.344	20.336	20.361	VV	7050	102438	1.27%	0.031%
461	20.410	20.361	20.431	VV	7733	307804	3.82%	0.092%
462	20.453	20.431	20.457	VV	7724	119621	1.48%	0.036%
463	20.501	20.457	20.506	VV	8409	236223	2.93%	0.070%
464	20.510	20.506	20.527	VV	8402	103537	1.29%	0.031%
465	20.575	20.527	20.583	VV	8843	278032	3.45%	0.083%
466	20.605	20.583	20.624	VV	9431	217453	2.70%	0.065%
467	20.755	20.624	20.801	VV	11065	1048036	13.01%	0.312%
468	20.810	20.801	20.827	VV	9365	142479	1.77%	0.042%
469	20.845	20.827	20.854	VV	9215	147079	1.83%	0.044%
470	20.865	20.854	20.882	VV	9271	154044	1.91%	0.046%
471	20.886	20.882	20.899	VV	9063	89566	1.11%	0.027%
472	20.904	20.899	20.932	VV	8862	168060	2.09%	0.050%
473	20.948	20.932	20.952	VV	8680	102569	1.27%	0.031%
474	20.972	20.952	20.997	VV	9206	240150	2.98%	0.072%
475	21.003	20.997	21.031	VV	8746	178566	2.22%	0.053%
476	21.049	21.031	21.064	VV	8828	170375	2.11%	0.051%
477	21.081	21.064	21.097	VV	8585	166323	2.06%	0.050%
478	21.116	21.097	21.133	VV	8453	180730	2.24%	0.054%
479	21.145	21.133	21.158	VV	8074	120162	1.49%	0.036%
480	21.164	21.158	21.174	VV	7905	74386	0.92%	0.022%
481	21.181	21.174	21.189	VV	7781	69328	0.86%	0.021%
482	21.196	21.189	21.207	VV	7793	82115	1.02%	0.024%
483	21.259	21.207	21.309	VV	7768	455094	5.65%	0.136%
484	21.338	21.309	21.349	VV	6708	157488	1.95%	0.047%
485	21.354	21.349	21.367	VV	6650	68596	0.85%	0.020%
486	21.389	21.367	21.402	VV	6445	134979	1.68%	0.040%
487	21.408	21.402	21.445	VV	6296	154576	1.92%	0.046%
488	21.467	21.445	21.473	VV	6016	99235	1.23%	0.030%
489	21.479	21.473	21.506	VV	6097	116193	1.44%	0.035%
490	21.511	21.506	21.523	VV	5522	53664	0.67%	0.016%
491	21.529	21.523	21.540	VV	5495	56172	0.70%	0.017%
492	21.548	21.540	21.569	VV	5520	92512	1.15%	0.028%
493	21.574	21.569	21.579	VV	5167	31134	0.39%	0.009%
494	21.583	21.579	21.606	VV	5123	81821	1.02%	0.024%
495	21.622	21.606	21.642	VV	5065	105704	1.31%	0.031%
496	21.650	21.642	21.683	VV	4930	116439	1.45%	0.035%
497	21.690	21.683	21.708	VV	4544	65155	0.81%	0.019%
498	21.714	21.708	21.764	VV	4320	138069	1.71%	0.041%
499	21.772	21.764	21.791	VV	3943	63193	0.78%	0.019%
500	21.798	21.791	21.807	VV	3838	35797	0.44%	0.011%
501	21.836	21.807	21.857	VV	3854	110794	1.38%	0.033%
502	21.861	21.857	21.876	VV	3482	36950	0.46%	0.011%
503	21.879	21.876	21.915	VV	3235	69398	0.86%	0.021%
504	21.927	21.915	21.949	VV	2806	54729	0.68%	0.016%
505	21.953	21.949	21.973	VV	2575	33465	0.42%	0.010%
506	21.977	21.973	21.988	VV	2165	18517	0.23%	0.006%
507	21.998	21.988	22.012	VV	2133	29224	0.36%	0.009%
508	22.020	22.012	22.049	VV	2253	42103	0.52%	0.013%
509	22.053	22.049	22.060	VV	1725	11069	0.14%	0.003%

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510	22.078	22.060	22.116	VV	1616	46734	0.58%	0.014%
511	22.123	22.116	22.129	VV	1193	9012	0.11%	0.003%
512	22.142	22.129	22.165	VV	1250	25321	0.31%	0.008%
513	22.198	22.165	22.204	VV	1605	31829	0.40%	0.009%
514	22.209	22.204	22.262	VV	1471	32377	0.40%	0.010%
515	22.268	22.262	22.301	VBA	560	18363	0.23%	0.005%

Sum of corrected areas: 335651912

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