



284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O1233	OrderDate:	1/19/2023 1:53:00 PM
Client:	Louis Berger U.S., Inc., A WSP Company	Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR
Contact:	Jonathan Ganz	Location:	N11,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O1233-10	WC-38	SOIL			01/18/23			01/19/23
			Diesel Range Organics	8015D		01/20/23	01/23/23	
			Gasoline Range Organics	8015D			01/23/23	

SAMPLE DATA

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	WC-38	SDG No.:	O1233
Lab Sample ID:	O1233-10	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	84.9
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	1
GPC Factor :		PH :	
Prep Method :	SW3541	Decanted:	
		Test:	Diesel Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF011905.D	5	01/20/23 13:10	01/23/23 11:37	PB150379

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	111000		1290	9780	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	3.46		37 - 130	86%	SPK: 20

Comments:

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



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SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: Louis Berger U.S., Inc., A WSP Company
Lab Code: CHEM Case No.: O1233 SAS No.: O1233 SDG No.: O1233

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF011890.D	68				0
PIBLK-FF011899.D	68				0
PIBLK-FF011902.D	76				0
PIBLK-FF011906.D	68				0
WC-17MS	83				0
WC-17MSD	74				0
WC-38	86				0
PB150379BL	71				0
PB150379BS	63				0

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



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SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

Chemtech

Client:

Louis Berger U.S., Inc., A WSP Company

Lab Code:

CHEM

Cas No:

O1233

SAS No :

O1233

SDG No:

O1233

Client SampleID :

WC-17MS

Datafile:

FF011896.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7272	1920	10471	118%		68-131



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SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:

Chemtech

Client:

Louis Berger U.S., Inc., A WSP Company

Lab Code:

CHEM

Cas No:

O1233

SAS No :

O1233

SDG No:

O1233

Client SampleID :

WC-17MSD

Datafile:

FF011897.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7277	1920	9258	101%		68-131

MS/MSD % Recovery RPD : 15.4



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SOIL DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RI

Lab Name: Chemtech Client: Louis Berger U.S., Inc., A WSP Company
Lab Code: CHEM Cas No: O1233 SAS No : O1233 SDG No: O1233
Matrix Spike - EPA Sample No : PB150379BS Datafile: FF011894.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
DRO	6660	0	5212	78	68-131

A
B
C
D
E
F



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4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB150379BL

Lab Name: CHEMTECH

Contract: loui01

Lab Code: CHEM Case No.: O1233

SAS No.: O1233 SDG NO.: O1233

Lab File ID: FF011893.D

Lab Sample ID: PB150379BL

Instrument ID: FF

Date Extracted: 01/20/2023

Matrix: (soil/water) Soil

Date Analyzed: 01/20/23

Level: (low/med) low

Time Analyzed: 16:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB150379BS	PB150379BS	FF011894.D	01/20/23
WC-17MS	O1232-03MS	FF011896.D	01/20/23
WC-17MSD	O1232-03MSD	FF011897.D	01/20/23
WC-38	O1233-10	FF011905.D	01/23/23

COMMENTS:

QC SAMPLE DATA

Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	
Client Sample ID:	PB150379BL	SDG No.:	O1233
Lab Sample ID:	PB150379BL	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF011893.D	1	01/20/23 13:10	01/20/23 16:30	PB150379

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	219	U	219	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	14.2		37 - 130	71%	SPK: 20

Comments:

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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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:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/20/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/20/23
Client Sample ID:	PIBLK-FF011890.D	SDG No.:	O1233
Lab Sample ID:	I.BLK-FF011890.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		PH :	
Prep Method :	SW3510	Decanted:	
		Final Vol:	1
			mL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF011890.D	1		01/20/23	FF012023

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	7.00	U	7.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	13.6		29 - 130	68%	SPK: 20

Comments:

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Report of Analysis

Client:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/20/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/20/23
Client Sample ID:	PIBLK-FF011899.D	SDG No.:	O1233
Lab Sample ID:	I.BLK-FF011899.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :		PH :	
Prep Method :	SW3510	Decanted:	
		Final Vol:	1
			mL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF011899.D	1		01/20/23	FF012023

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	7.00	U	7.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	13.6		29 - 130	68%	SPK: 20

Comments:

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LOD = Limit of Detection

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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:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/23/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/23/23
Client Sample ID:	PIBLK-FF011902.D	SDG No.:	O1233
Lab Sample ID:	I.BLK-FF011902.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF011902.D	1		01/23/23	FF012323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	7.00	U	7.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	15.3		29 - 130	76%	SPK: 20

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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:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/23/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/23/23
Client Sample ID:	PIBLK-FF011906.D	SDG No.:	O1233
Lab Sample ID:	I.BLK-FF011906.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	1 mL
Extraction Type:		Test:	Diesel Range Organics
GPC Factor :	PH :	Injection Volume :	
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF011906.D	1		01/23/23	FF012323

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	7.00	U	7.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	13.6		29 - 130	68%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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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:	Louis Berger U.S., Inc., A WSP Company		Date Collected:		
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR		Date Received:		
Client Sample ID:	PB150379BS		SDG No.:	O1233	
Lab Sample ID:	PB150379BS		Matrix:	SOIL	
Analytical Method:	8015D DRO		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	1	mL
Soil Aliquot Vol:		uL	Test:	Diesel Range Organics	
Extraction Type:			Injection Volume :		
GPC Factor :	PH :				
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF011894.D	1	01/20/23 13:10	01/20/23 17:00	PB150379

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	5210		219	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	12.6		37 - 130	63%	SPK: 20

Comments:

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LOD = Limit of Detection

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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:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	WC-17MS	SDG No.:	O1233
Lab Sample ID:	O1232-03MS	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	91.4
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF011896.D	1	01/20/23 13:10	01/20/23 17:59	PB150379

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	10500		239	1820	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	16.6		37 - 130	83%	SPK: 20

Comments:

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

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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:	Louis Berger U.S., Inc., A WSP Company	Date Collected:	01/18/23
Project:	NYCDDC Phase II SCI Arthur Kill Road CEQR	Date Received:	01/19/23
Client Sample ID:	WC-17MSD	SDG No.:	O1233
Lab Sample ID:	O1232-03MSD	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	91.4
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF011897.D	1	01/20/23 13:10	01/20/23 18:28	PB150379

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	9260		239	1820	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	14.8		37 - 130	74%	SPK: 20

Comments:

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

CALIBRATION SUMMARY



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DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: loui01
ProjectID: NYCDDC Phase II SCI Arthur Kill Road CEQR
Lab Code: CHEM Case No.: O1233 SAS No.: O1233 SDG No.: O1233

Calibration Sequence : FF123022		Test : Diesel Range Organics	
Concentration (PPM)	Area Count	Reference Factor	File ID
1000	150435250	150435	FF011840.D
500	78485683	156971	FF011841.D
200	33452553	167263	FF011842.D
100	18725781	187258	FF011843.D
50	9861875	197238	FF011844.D
AVG RF : 171833		% RSD : 11.577	AVG RT : 15.0486



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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: loui01
ProjectID: NYCDDC Phase II SCI Arthur Kill Road CEQR
Lab Code: CHEM Case No.: O1233 SAS No.: O1233 SDG No.: O1233
DataFile: FF011891.D Analyst Name: YP\AJ Analyst Date: 01-20-2023

Conc. (PPM)	Area Count	RF	Average RF	%D
500	90909856	181820	171833	5.812

A
B
C
D
E
F



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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: loui01
ProjectID: NYCDDC Phase II SCI Arthur Kill Road CEQR
Lab Code: CHEM Case No.: O1233 SAS No.: O1233 SDG No.: O1233
DataFile: FF011900.D Analyst Name: YP\AJ Analyst Date: 01-20-2023

Conc. (PPM)	Area Count	RF	Average RF	%D
500	90844238	181688	171833	5.735

A
B
C
D
E
F



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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: loui01
ProjectID: NYCDDC Phase II SCI Arthur Kill Road CEQR
Lab Code: CHEM Case No.: O1233 SAS No.: O1233 SDG No.: O1233
DataFile: FF011903.D Analyst Name: YP\AJ Analyst Date: 01-23-2023

Conc. (PPM)	Area Count	RF	Average RF	%D
500	100144777	200290	171833	16.561

A
B
C
D
E
F



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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: loui01
ProjectID: NYCDDC Phase II SCI Arthur Kill Road CEQR
Lab Code: CHEM Case No.: O1233 SAS No.: O1233 SDG No.: O1233
DataFile: FF011907.D Analyst Name: YP\AJ Analyst Date: 01-23-2023

Conc. (PPM)	Area Count	RF	Average RF	%D
500	90871165	181742	171833	5.767

A
B
C
D
E
F

Analytical Sequence

Client: Louis Berger U.S., Inc., A WSP Company

SDG No.: O1233

Project: NYCDDC Phase II SCI Arthur Kill Road CEQR

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 15.0486					
EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	LBLK01	20 Jan 2023 15:00	FF011890.D	15.046	
50 PPM TRPH STD	50 PPM TRPH STD	20 Jan 2023 15:29	FF011891.D	15.053	
PB150379BL	PB150379BL	20 Jan 2023 16:30	FF011893.D	15.050	
PB150379BS	PB150379BS	20 Jan 2023 17:00	FF011894.D	15.050	
WC-17MS	O1232-03MS	20 Jan 2023 17:59	FF011896.D	15.050	
WC-17MSD	O1232-03MSD	20 Jan 2023 18:28	FF011897.D	15.050	
PIBLK02	LBLK02	20 Jan 2023 19:57	FF011899.D	15.049	
50 PPM TRPH STD	50 PPM TRPH STD	20 Jan 2023 20:56	FF011900.D	15.054	
PIBLK03	LBLK03	23 Jan 2023 09:45	FF011902.D	15.048	
50 PPM TRPH STD	50 PPM TRPH STD	23 Jan 2023 10:15	FF011903.D	15.053	
WC-38	O1233-10	23 Jan 2023 11:37	FF011905.D	15.045	
PIBLK04	LBLK04	23 Jan 2023 12:06	FF011906.D	15.048	
50 PPM TRPH STD	50 PPM TRPH STD	23 Jan 2023 12:36	FF011907.D	15.053	

Column used to flag RT values with an * values outside of QC limits

QC Limits
(± 0.10 minutes)

Lower Limit
14.9486

Upper Limits
15.1486

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012023\
Data File : FF011898.D
Signal(s) : FID2B.ch
Acq On : 20 Jan 2023 18:58
Operator : YP\AJ
Sample : 01233-10
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
WC-38

A

B

C

D

E

F

Integration File: autoint1.e
Quant Time: Jan 21 03:04:49 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF123022.M
Quant Title :
QLast Update : Mon Jan 02 03:26:15 2023
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...	15.048	2392592	15.138 ug/ml

Target Compounds

(f)=RT Delta > 1/2 Window

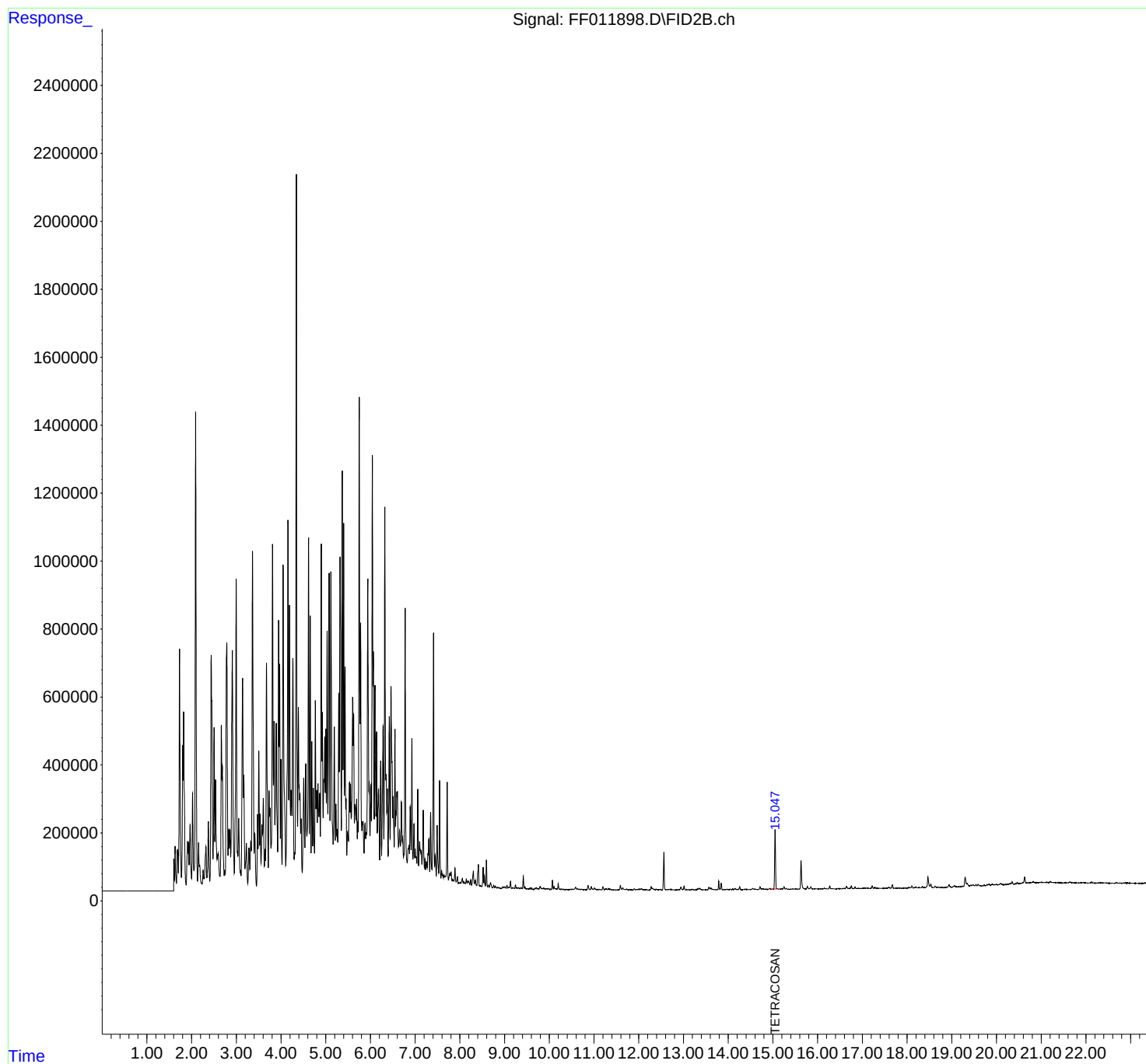
(m)=manual int.

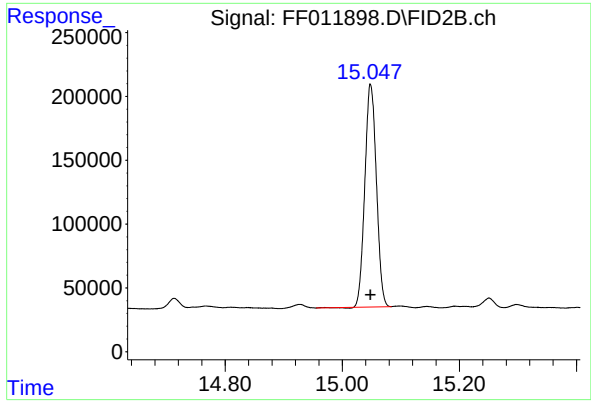
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012023\
Data File : FF011898.D
Signal(s) : FID2B.ch
Acq On : 20 Jan 2023 18:58
Operator : YP\AJ
Sample : 01233-10
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
FID_F
ClientSampleId :
WC-38

Integration File: autoint1.e
Quant Time: Jan 21 03:04:49 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF123022.M
Quant Title :
QLast Update : Mon Jan 02 03:26:15 2023
Response via : Initial Calibration
Integrator: ChemStation

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





#9 TETRACOSANE-d50 (SURROGATE)

R.T.: 15.048 min
Delta R.T.: 0.000 min
Response: 2392592
Conc: 15.14 ug/ml

Instrument :
FID_F
ClientSampleId :
WC-38

A
B
C
D
E
F

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_F\Data\FF012023\
Data File : FF011898.D
Signal(s) : FID2B.ch
Acq On : 20 Jan 2023 18:58
Sample : 01233-10
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File: Sample.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_F\Method\FF123022.M
Title :

Signal : FID2B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.616	4.566	4.634	BV	866491	8158057	48.88%	1.943%
2	4.653	4.634	4.672	VV	678167	6783045	40.64%	1.616%
3	4.689	4.672	4.708	PV	328258	3289257	19.71%	0.783%
4	4.723	4.708	4.750	VV	192969	1979695	11.86%	0.472%
5	4.768	4.750	4.783	VV	451147	4537240	27.19%	1.081%
6	4.796	4.783	4.811	VV	188614	2545150	15.25%	0.606%
7	4.827	4.811	4.848	VV	208425	3275903	19.63%	0.780%
8	4.866	4.848	4.880	VV	181816	2559522	15.34%	0.610%
9	4.901	4.880	4.915	VV	915884	10115132	60.61%	2.409%
10	4.925	4.915	4.942	VV	421030	4786573	28.68%	1.140%
11	4.959	4.942	4.965	VV	225270	2568323	15.39%	0.612%
12	4.979	4.965	4.991	VV	351055	4140975	24.81%	0.986%
13	5.002	4.991	5.015	VV	374767	3924815	23.52%	0.935%
14	5.032	5.015	5.048	VV	663739	7453924	44.66%	1.775%
15	5.076	5.048	5.097	VV	834586	12830256	76.88%	3.056%
16	5.116	5.097	5.166	VV	840060	13645298	81.76%	3.250%
17	5.193	5.166	5.212	VV	385634	4829352	28.94%	1.150%
18	5.228	5.212	5.245	VV	159906	2150068	12.88%	0.512%
19	5.255	5.245	5.269	VV	86381	1025678	6.15%	0.244%
20	5.292	5.269	5.303	VV	488317	5431180	32.54%	1.294%
21	5.321	5.303	5.350	VV	887291	15550396	93.18%	3.704%
22	5.370	5.350	5.386	VV	1143780	13303454	79.71%	3.169%
23	5.402	5.386	5.417	VV	990815	10825696	64.87%	2.578%
24	5.432	5.417	5.448	VV	569547	6658129	39.90%	1.586%
25	5.455	5.448	5.472	VV	181105	1618244	9.70%	0.385%
26	5.488	5.472	5.509	VV	84710	1417132	8.49%	0.338%
27	5.531	5.509	5.543	VV	232041	3328449	19.94%	0.793%
28	5.555	5.543	5.570	VV	227914	2878263	17.25%	0.686%
29	5.603	5.570	5.615	VV	484735	7844504	47.00%	1.868%
30	5.625	5.615	5.643	VV	433998	5174441	31.01%	1.232%
31	5.655	5.643	5.679	VV	169682	3327142	19.94%	0.792%
32	5.691	5.679	5.706	VV	187641	2233699	13.38%	0.532%
33	5.719	5.706	5.728	VV	119078	1278978	7.66%	0.305%
34	5.750	5.728	5.766	VV	1371378	16688844	100.00%	3.975%
35	5.781	5.766	5.809	VV	707257	9263334	55.51%	2.206%
36	5.822	5.809	5.829	VV	124473	1410478	8.45%	0.336%

rteres								
37	5.835	5.829	5.857	VV	122674	1397460	8.37%	0.333%
38	5.879	5.857	5.893	VV	120584	1859891	11.14%	0.443%
39	5.905	5.893	5.915	VV	95383	1140287	6.83%	0.272%
40	5.941	5.915	5.966	VV	842282	12991010	77.84%	3.094%
41	5.973	5.966	5.989	VV	246856	2518292	15.09%	0.600%
42	6.011	5.989	6.023	VV	237779	3312851	19.85%	0.789%
43	6.042	6.023	6.057	VV	1208433	14620473	87.61%	3.482%
44	6.065	6.057	6.084	VV	632114	6544886	39.22%	1.559%
45	6.101	6.084	6.124	VV	533377	7572382	45.37%	1.804%
46	6.137	6.124	6.152	VV	397147	4212620	25.24%	1.003%
47	6.180	6.152	6.206	VV	230162	4902676	29.38%	1.168%
48	6.228	6.206	6.249	VV	314114	4115374	24.66%	0.980%
49	6.282	6.249	6.300	VV	417351	6798847	40.74%	1.619%
50	6.322	6.300	6.346	VV	1063773	13713576	82.17%	3.266%
51	6.353	6.346	6.366	VV	277372	2767675	16.58%	0.659%
52	6.376	6.366	6.396	VV	236338	2745875	16.45%	0.654%
53	6.421	6.396	6.440	VV	450028	6189280	37.09%	1.474%
54	6.460	6.440	6.496	VV	539306	10931156	65.50%	2.604%
55	6.505	6.496	6.531	VV	217042	3144441	18.84%	0.749%
56	6.548	6.531	6.562	VV	416317	4550835	27.27%	1.084%
57	6.590	6.562	6.596	VV	230386	3681336	22.06%	0.877%
58	6.602	6.596	6.627	VV	234854	2878182	17.25%	0.686%
59	6.649	6.627	6.669	VV	121550	2379664	14.26%	0.567%
60	6.692	6.669	6.712	VV	205881	3367128	20.18%	0.802%
61	6.720	6.712	6.737	VV	103249	1223914	7.33%	0.292%
62	6.776	6.737	6.822	VV	777814	10295571	61.69%	2.452%
63	6.861	6.822	6.872	VV	82888	1955401	11.72%	0.466%
64	6.889	6.872	6.908	VV	197401	2867943	17.18%	0.683%
65	6.926	6.908	6.949	VV	399349	4701185	28.17%	1.120%
66	6.974	6.949	6.990	VV	148626	2257204	13.53%	0.538%
67	7.000	6.990	7.014	VV	76088	887105	5.32%	0.211%
68	7.021	7.014	7.038	VV	53419	696336	4.17%	0.166%
69	7.058	7.038	7.076	VV	253360	2817671	16.88%	0.671%
70	7.099	7.076	7.113	VV	100106	1601673	9.60%	0.381%
71	7.118	7.113	7.128	VV	77019	672047	4.03%	0.160%
72	7.135	7.128	7.150	VV	74774	795765	4.77%	0.190%
73	7.180	7.150	7.205	VV	195680	2939340	17.61%	0.700%
74	7.217	7.205	7.232	VV	53293	639018	3.83%	0.152%
75	7.251	7.232	7.268	VV	45472	775409	4.65%	0.185%
76	7.286	7.268	7.290	VV	70506	700531	4.20%	0.167%
77	7.304	7.290	7.325	VV	113185	1533083	9.19%	0.365%
78	7.345	7.325	7.374	VV	193204	2477187	14.84%	0.590%
79	7.411	7.374	7.435	VV	722775	8780365	52.61%	2.091%
80	7.448	7.435	7.472	VV	70741	1008334	6.04%	0.240%
81	7.491	7.472	7.526	VV	159093	2259416	13.54%	0.538%
82	7.546	7.526	7.576	VV	292077	3174590	19.02%	0.756%
83	7.593	7.576	7.608	VV	27978	354964	2.13%	0.085%
84	7.615	7.608	7.630	VV	16528	175151	1.05%	0.042%
85	7.646	7.630	7.661	VV	17810	259593	1.56%	0.062%
86	7.677	7.661	7.684	VV	14493	179238	1.07%	0.043%
87	7.716	7.684	7.745	VV	292524	3250736	19.48%	0.774%
88	7.774	7.745	7.788	VV	26317	470638	2.82%	0.112%
89	7.803	7.788	7.825	VV	30357	416269	2.49%	0.099%

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90	7.838	7.825	7.864	VV	9944	169150	1.01%	0.040%
91	7.890	7.864	7.917	VV	44170	577619	3.46%	0.138%
92	7.945	7.917	7.964	VV	20483	277732	1.66%	0.066%
93	7.976	7.964	7.996	PV	3997	47799	0.29%	0.011%
94	8.010	7.996	8.021	VV	5364	50573	0.30%	0.012%
95	8.054	8.021	8.072	VV	17122	286637	1.72%	0.068%
96	8.084	8.072	8.098	VV	9468	101209	0.61%	0.024%
97	8.108	8.098	8.124	VV	5533	63735	0.38%	0.015%
98	8.144	8.124	8.162	VV	17046	214211	1.28%	0.051%
99	8.176	8.162	8.189	VV	11857	148043	0.89%	0.035%
100	8.199	8.189	8.221	VV	11321	137643	0.82%	0.033%
101	8.241	8.221	8.262	VV	16697	186661	1.12%	0.044%
102	8.300	8.262	8.326	VV	41437	729424	4.37%	0.174%
103	8.347	8.326	8.379	VV	17333	257118	1.54%	0.061%
104	8.414	8.379	8.437	VV	64513	994812	5.96%	0.237%
105	8.443	8.437	8.455	VV	2292	22661	0.14%	0.005%
106	8.461	8.455	8.488	VV	2138	30008	0.18%	0.007%
107	8.521	8.488	8.536	PV	58062	667582	4.00%	0.159%
108	8.548	8.536	8.570	VV	33841	362150	2.17%	0.086%
109	8.594	8.570	8.618	VV	80608	854637	5.12%	0.204%
110	8.637	8.618	8.658	VV	7042	98945	0.59%	0.024%
111	8.685	8.658	8.726	VV	14637	276498	1.66%	0.066%
112	8.759	8.726	8.779	VV	8740	111660	0.67%	0.027%
113	8.796	8.779	8.829	VV	6220	88017	0.53%	0.021%
114	8.845	8.829	8.863	VV	3647	46323	0.28%	0.011%
115	8.884	8.863	8.908	VV	2251	40064	0.24%	0.010%
116	8.923	8.908	8.937	PV	1754	16920	0.10%	0.004%
117	8.972	8.937	8.990	VV	5310	121001	0.73%	0.029%
118	9.005	8.990	9.031	VV	5311	101432	0.61%	0.024%
119	9.053	9.031	9.074	VV	9844	153127	0.92%	0.036%
120	9.088	9.074	9.095	VV	4354	45889	0.27%	0.011%
121	9.132	9.095	9.155	VV	21723	324630	1.95%	0.077%
122	9.168	9.155	9.173	VV	2420	18940	0.11%	0.005%
123	9.187	9.173	9.221	VV	4208	72090	0.43%	0.017%
124	9.244	9.221	9.265	VV	11874	148630	0.89%	0.035%
125	9.279	9.265	9.294	VV	4613	50457	0.30%	0.012%
126	9.316	9.294	9.338	VV	4186	70142	0.42%	0.017%
127	9.368	9.338	9.383	VV	4574	75715	0.45%	0.018%
128	9.419	9.383	9.441	VV	38376	453242	2.72%	0.108%
129	9.455	9.441	9.473	VV	7658	86973	0.52%	0.021%
130	9.484	9.473	9.494	VV	1602	16798	0.10%	0.004%
131	9.507	9.494	9.524	VV	1624	20158	0.12%	0.005%
132	9.540	9.524	9.552	PV	866	9808	0.06%	0.002%
133	9.573	9.552	9.590	VV	4967	56330	0.34%	0.013%
134	9.604	9.590	9.621	VV	3994	34951	0.21%	0.008%
135	9.629	9.621	9.645	VV	729	5838	0.03%	0.001%
136	9.652	9.645	9.662	VV	234	1395	0.01%	0.000%
137	9.686	9.662	9.693	VV	2971	33903	0.20%	0.008%
138	9.707	9.693	9.726	VV	4564	62159	0.37%	0.015%
139	9.742	9.726	9.766	VV	3208	47834	0.29%	0.011%
140	9.794	9.766	9.827	VV	8861	173998	1.04%	0.041%
141	9.836	9.827	9.851	VV	2838	33398	0.20%	0.008%

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142	9.873	9.851	9.903	VV	4802	86245	0.52%	0.021%
143	9.924	9.903	9.937	VV	2634	37638	0.23%	0.009%
144	9.946	9.937	9.961	VV	2568	28996	0.17%	0.007%
145	9.977	9.961	10.027	VV	3492	64860	0.39%	0.015%
146	10.039	10.027	10.046	VV	432	4405	0.03%	0.001%
147	10.070	10.046	10.089	VV	27872	294739	1.77%	0.070%
148	10.106	10.089	10.148	VV	9491	147231	0.88%	0.035%
149	10.163	10.148	10.179	VV	2141	34677	0.21%	0.008%
150	10.199	10.179	10.244	VV	17610	226014	1.35%	0.054%
151	10.263	10.244	10.286	VV	2794	41929	0.25%	0.010%
152	10.306	10.286	10.336	VV	1844	34334	0.21%	0.008%
153	10.347	10.336	10.355	VV	356	2801	0.02%	0.001%
154	10.379	10.355	10.399	VV	1745	27996	0.17%	0.007%
155	10.408	10.399	10.423	VV	1082	10881	0.07%	0.003%
156	10.437	10.423	10.454	VV	1222	12341	0.07%	0.003%
157	10.476	10.454	10.494	PV	1916	28471	0.17%	0.007%
158	10.511	10.494	10.525	VV	2027	25152	0.15%	0.006%
159	10.542	10.525	10.548	VV	1774	18955	0.11%	0.005%
160	10.587	10.548	10.621	VV	8050	173913	1.04%	0.041%
161	10.636	10.621	10.661	VV	3226	55665	0.33%	0.013%
162	10.675	10.661	10.700	VV	2707	37370	0.22%	0.009%
163	10.719	10.700	10.767	VV	2259	47035	0.28%	0.011%
164	10.794	10.767	10.824	VV	1629	30144	0.18%	0.007%
165	10.865	10.824	10.909	VV	13366	234703	1.41%	0.056%
166	10.939	10.909	10.981	VV	10012	170780	1.02%	0.041%
167	11.009	10.981	11.031	VV	6076	107585	0.64%	0.026%
168	11.042	11.031	11.056	VV	1558	20554	0.12%	0.005%
169	11.075	11.056	11.103	VV	1682	30782	0.18%	0.007%
170	11.122	11.103	11.172	VV	2070	41983	0.25%	0.010%
171	11.197	11.172	11.231	VV	9494	139043	0.83%	0.033%
172	11.247	11.231	11.259	VV	3147	38640	0.23%	0.009%
173	11.272	11.259	11.297	VV	3589	53618	0.32%	0.013%
174	11.318	11.297	11.339	VV	4281	63501	0.38%	0.015%
175	11.360	11.339	11.379	VV	2981	51830	0.31%	0.012%
176	11.390	11.379	11.411	VV	1519	18721	0.11%	0.004%
177	11.416	11.411	11.433	VV	429	3457	0.02%	0.001%
178	11.450	11.433	11.463	VV	685	8404	0.05%	0.002%
179	11.469	11.463	11.483	VV	532	5327	0.03%	0.001%
180	11.506	11.483	11.526	VV	582	10265	0.06%	0.002%
181	11.558	11.526	11.562	PV	867	11836	0.07%	0.003%
182	11.589	11.562	11.622	VV	13820	204264	1.22%	0.049%
183	11.642	11.622	11.672	VV	6998	115220	0.69%	0.027%
184	11.686	11.672	11.714	VV	2057	42358	0.25%	0.010%
185	11.732	11.714	11.782	VV	3342	60535	0.36%	0.014%
186	11.801	11.782	11.816	VV	1601	23259	0.14%	0.006%
187	11.823	11.816	11.842	VV	1290	16960	0.10%	0.004%
188	11.850	11.842	11.871	VV	966	11638	0.07%	0.003%
189	11.900	11.871	11.927	VV	3902	68922	0.41%	0.016%
190	11.950	11.927	11.963	VV	2057	29384	0.18%	0.007%
191	11.978	11.963	11.987	VV	2330	27828	0.17%	0.007%
192	12.000	11.987	12.012	VV	2757	34783	0.21%	0.008%
193	12.028	12.012	12.045	VV	3800	57511	0.34%	0.014%
194	12.062	12.045	12.103	VV	3569	77921	0.47%	0.019%

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195	12.119	12.103	12.138	VV	1553	23937	0.14%	0.006%
196	12.150	12.138	12.160	VV	1095	12076	0.07%	0.003%
197	12.177	12.160	12.211	VV	1527	22203	0.13%	0.005%
198	12.228	12.211	12.243	PV	379	4787	0.03%	0.001%
199	12.279	12.243	12.296	VV	10242	137994	0.83%	0.033%
200	12.311	12.296	12.361	VV	5947	125418	0.75%	0.030%
201	12.374	12.361	12.380	VV	1413	15535	0.09%	0.004%
202	12.400	12.380	12.439	VV	2499	51501	0.31%	0.012%
203	12.464	12.439	12.519	VV	2240	54203	0.32%	0.013%
204	12.563	12.519	12.630	PV	111877	1401303	8.40%	0.334%
205	12.646	12.630	12.660	VV	1708	24210	0.15%	0.006%
206	12.683	12.660	12.688	VV	2322	31171	0.19%	0.007%
207	12.694	12.688	12.714	VV	2417	29896	0.18%	0.007%
208	12.734	12.714	12.759	VV	2062	39486	0.24%	0.009%
209	12.782	12.759	12.810	VV	974	18648	0.11%	0.004%
210	12.815	12.810	12.822	VV	305	1580	0.01%	0.000%
211	12.844	12.822	12.860	VV	495	6812	0.04%	0.002%
212	12.894	12.860	12.913	VV	1400	25517	0.15%	0.006%
213	12.943	12.913	12.976	VV	8230	155524	0.93%	0.037%
214	13.015	12.976	13.050	VV	12402	177963	1.07%	0.042%
215	13.066	13.050	13.079	VV	1094	14984	0.09%	0.004%
216	13.084	13.079	13.106	VV	826	11433	0.07%	0.003%
217	13.126	13.106	13.167	VV	909	23394	0.14%	0.006%
218	13.197	13.167	13.217	VV	2671	44205	0.26%	0.011%
219	13.222	13.217	13.255	VV	952	13103	0.08%	0.003%
220	13.278	13.255	13.294	VV	567	9329	0.06%	0.002%
221	13.315	13.294	13.329	VV	4625	52764	0.32%	0.013%
222	13.359	13.329	13.422	VV	4985	138287	0.83%	0.033%
223	13.443	13.422	13.448	PV	621	5271	0.03%	0.001%
224	13.451	13.448	13.463	VV	597	5372	0.03%	0.001%
225	13.470	13.463	13.486	VV	607	6750	0.04%	0.002%
226	13.505	13.486	13.524	VV	542	8995	0.05%	0.002%
227	13.569	13.524	13.588	VV	8215	129348	0.78%	0.031%
228	13.605	13.588	13.644	VV	6528	134424	0.81%	0.032%
229	13.650	13.644	13.701	VV	2182	41974	0.25%	0.010%
230	13.711	13.701	13.726	VV	770	9041	0.05%	0.002%
231	13.752	13.726	13.764	VV	1332	18648	0.11%	0.004%
232	13.789	13.764	13.819	VV	26008	306913	1.84%	0.073%
233	13.844	13.819	13.874	VV	19555	253607	1.52%	0.060%
234	13.905	13.874	13.932	VV	1238	24570	0.15%	0.006%
235	13.951	13.932	13.957	VV	1087	12306	0.07%	0.003%
236	13.979	13.957	13.983	VV	1277	17836	0.11%	0.004%
237	13.995	13.983	14.021	VV	1316	24148	0.14%	0.006%
238	14.043	14.021	14.076	VV	1747	36988	0.22%	0.009%
239	14.100	14.076	14.123	VV	3555	47290	0.28%	0.011%
240	14.149	14.123	14.201	VV	4207	91661	0.55%	0.022%
241	14.213	14.201	14.222	VV	1024	11286	0.07%	0.003%
242	14.256	14.222	14.315	VV	9736	141623	0.85%	0.034%
243	14.332	14.315	14.345	PV	481	6052	0.04%	0.001%
244	14.382	14.345	14.434	VV	1448	53888	0.32%	0.013%
245	14.441	14.434	14.464	VV	790	10484	0.06%	0.002%
246	14.482	14.464	14.492	VV	641	8901	0.05%	0.002%

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247	14.511	14.492	14.520	VV	1070	14562	0.09%	0.003%
248	14.544	14.520	14.599	VV	3934	99798	0.60%	0.024%
249	14.606	14.599	14.616	VV	1117	10469	0.06%	0.002%
250	14.622	14.616	14.672	VV	993	24712	0.15%	0.006%
251	14.713	14.672	14.739	VV	8704	133125	0.80%	0.032%
252	14.767	14.739	14.797	VV	2570	66593	0.40%	0.016%
253	14.810	14.797	14.832	VV	1595	28923	0.17%	0.007%
254	14.838	14.832	14.871	VV	1273	24057	0.14%	0.006%
255	14.879	14.871	14.895	VV	880	9320	0.06%	0.002%
256	14.928	14.895	14.955	VV	3666	67549	0.40%	0.016%
257	14.972	14.955	14.983	VV	1147	17173	0.10%	0.004%
258	14.993	14.983	15.010	VV	1018	14353	0.09%	0.003%
259	15.048	15.010	15.084	VV	176640	2460305	14.74%	0.586%
260	15.100	15.084	15.126	VV	2230	42527	0.25%	0.010%
261	15.144	15.126	15.171	VV	1849	33753	0.20%	0.008%
262	15.193	15.171	15.202	VV	1908	26371	0.16%	0.006%
263	15.209	15.202	15.222	VV	1821	21083	0.13%	0.005%
264	15.251	15.222	15.277	VV	8362	127856	0.77%	0.030%
265	15.298	15.277	15.347	VV	3121	65684	0.39%	0.016%
266	15.354	15.347	15.382	VV	765	11878	0.07%	0.003%
267	15.402	15.382	15.420	VV	821	12812	0.08%	0.003%
268	15.445	15.420	15.478	VV	1525	34824	0.21%	0.008%
269	15.515	15.478	15.547	VV	1703	41661	0.25%	0.010%
270	15.562	15.547	15.577	VV	714	10323	0.06%	0.002%
271	15.593	15.577	15.600	VV	956	11698	0.07%	0.003%
272	15.630	15.600	15.739	VV	84169	1332982	7.99%	0.317%
273	15.772	15.739	15.808	VV	9162	153950	0.92%	0.037%
274	15.850	15.808	15.886	VV	7502	138076	0.83%	0.033%
275	15.908	15.886	15.929	VV	888	16122	0.10%	0.004%
276	15.953	15.929	15.974	VV	1504	26879	0.16%	0.006%
277	15.990	15.974	16.004	VV	893	13878	0.08%	0.003%
278	16.010	16.004	16.054	VV	937	23264	0.14%	0.006%
279	16.078	16.054	16.082	VV	1151	15663	0.09%	0.004%
280	16.092	16.082	16.121	VV	1176	21904	0.13%	0.005%
281	16.154	16.121	16.183	VV	2695	56196	0.34%	0.013%
282	16.199	16.183	16.218	VV	954	14897	0.09%	0.004%
283	16.225	16.218	16.228	VV	518	2401	0.01%	0.001%
284	16.233	16.228	16.241	VV	477	3488	0.02%	0.001%
285	16.272	16.241	16.297	VV	9098	128773	0.77%	0.031%
286	16.309	16.297	16.317	VV	1073	11412	0.07%	0.003%
287	16.332	16.317	16.363	VV	1195	19507	0.12%	0.005%
288	16.370	16.363	16.394	VV	281	3680	0.02%	0.001%
289	16.402	16.394	16.420	VV	195	1548	0.01%	0.000%
290	16.446	16.420	16.462	PV	1059	17352	0.10%	0.004%
291	16.466	16.462	16.485	VV	829	9612	0.06%	0.002%
292	16.490	16.485	16.542	VV	683	13753	0.08%	0.003%
293	16.575	16.542	16.601	VV	1603	34774	0.21%	0.008%
294	16.606	16.601	16.614	VV	812	5902	0.04%	0.001%
295	16.645	16.614	16.691	VV	7533	148836	0.89%	0.035%
296	16.719	16.691	16.731	VV	1866	31253	0.19%	0.007%
297	16.755	16.731	16.808	VV	8956	133750	0.80%	0.032%
298	16.837	16.808	16.864	VV	4811	68530	0.41%	0.016%
299	16.884	16.864	16.898	VV	1036	12473	0.07%	0.003%

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300	16.915	16.898	16.934	VV	785	11682	0.07%	0.003%
301	16.940	16.934	16.953	VV	375	3393	0.02%	0.001%
302	16.974	16.953	16.988	VV	375	5849	0.04%	0.001%
303	17.018	16.988	17.042	VV	1570	35566	0.21%	0.008%
304	17.059	17.042	17.094	VV	1437	36587	0.22%	0.009%
305	17.130	17.094	17.162	VV	1638	37013	0.22%	0.009%
306	17.221	17.162	17.248	PV	7324	117314	0.70%	0.028%
					Sum of corrected areas:		419856881	

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