ANALYTICAL SUMMARY REPORT

May 05, 2021

APPL Inc
908 N Temperance Ave.
Clovis CA, 93611-8606

Work Order: B21042016 Quote ID: 5675

Project Name: Not Indicated

Energy Laboratories Inc Billings MT received the following 2 samples from APPL Inc on 4/28/2021 for analysis.

Lab ID	Client Sample ID	Collect Date	Received Date	Matrix	Test
B21042016-001	BA31078, ERH1355	04/21/21 12:15	04/28/2021	Drinking Water	DRO-Liquid-Liquid Extraction SW3520C Diesel Range Organics SW8015C
B21042016-002	BA31079, ERH1356	04/21/21 12:45	04/28/2021	Drinking Water	Same As Above

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager.

Report Approved By:

Quality Assurance Manager

Digitally signed by
Leigh Ann. Wise
Date: 2021.05.05 15:52:26 -06:00

CLIENT: APPL Inc
Project: Not Indicated
Work Order: B21042016

Report Date: 5/5/2021

CASE NARRATIVE

General Comments:

For any question please contact your Project Manage at (406) 252-6325 or billingspm@energylab.com.

All analyses have been performed in accordance with DOD QSM Version 5.3 unless otherwise noted below. The specific methodologies used in obtaining the enclosed analytical results are indicated on the Analytical Summary Report and the Laboratory Analytical Report. The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted in the Work Order Receipt Checklist.

The tests listed below are accredited and meet the requirements of DoD QSM Version 5.3 as verified by ANSI-ASQ National Accreditation Board (ANAB) certificate number ADE-2588. Exceptions to this require client authorization and records documenting this approval are attached in the Sample Management Records. Accreditation may not be offered or required for all methods and analytes reported in this package. Refer to the certificate and scope of accreditation located at https://www.energylab.com/whyus/certifications-quality-control/ or contact your project manager.

Project specific matrix quality control samples may not be reported if site specific samples were not submitted. Matrix quality control samples were performed on project samples where adequate volume was available. All quality control measures met criteria unless otherwise noted in the Analytical QC Exceptions report and in the Analysis Specific Comments below. Where available, sample management records are attached.

The Level IV Validation Package includes data reports for all analyses associated with the instrument calibration, quality control (QC) sample analysis, and sample analysis. All analytical data is within method specifications except as noted in the Analytical QC Exceptions report or the Analysis Specific Comments below. The analytical report identifies preparation batch and analytical run IDs associated with each result for a sample. Only the raw data associated with the parameters listed on this report should be validated.

Analysis Specific Comments:

An Analytical QC Exceptions Report has been attached, summarizing all qualified QC results. All quality control measures met criteria; therefore there were no analytical QC exceptions on this report.

SUBCONTRACT ORDER

APPL, Inc.

ARF: 95917 **PO: 00-95917**

SENDING LABORATORY:
APPL Labs
908 North Temperance Ave
Clovis, CA 93611
Phone (559) 275-2175
Fax (559) 275-4422
Project Manager Libby Cheeseborough (libby@applinc com)

RECEIVING LABORATORY:
Energy Labs
1120 South 27th St
Billings, MT 59101
Phone (406) 252-6325x
Fax
DOD Expiration Date 8/10/2016

Comments 1 week TAT, DVP4 Report Please email Libby with results

	APPL ID	Sample ID	LOC ID	Matrix	Collected	Analysis	Price
1	BA31078	ERH1355	Drinking Water Pre-Chlorination	Water	04/21/21 09 15	TPHd (C8-C18, C10-C25)	
2	BA31079	ERH1356	Drinking Water Post-Chlorination	Water	04/21/21 09 45	TPHd (C8-C18, C10-C25)	

Released By	Date	Time	Received By	Date	Time
	4-26-21	13:00			
Released By	Date	Time	Received By Richard Shull	Date 4/28/21	Time 09:15

Upon receipt, please email signed COC to APPL Inc.
To ensure timely payment, please include the PO number on your invoice.

Printed 04/26/21 12 56 34 PM SUB_ID 8911 Page 1 of 1

Work Order Receipt Checklist

APPL Inc

B21042016

Login completed by: Tabitha Edwards

Date Received: 4/28/2021

Reviewed by: BL2000\darcy

Received by: rs4

Reviewed Date: 5/3/2021

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on all sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☐	No ☑	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	0.2°C On Ice		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	Not Applicable ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

The state the sample was collected in was not provided. The state is Hawaii per Shari Endy, Energy Laboratories Project Manager on 05/04/2021.

The collection time indicated on the Chain of Custody for all samples is in Hawaii-Aleutian Standard Time. The collection time has been converted to Mountain Standard Time.

Qualifiers and Abbreviations

Qualifier	Qualifier Description
##	Limit of Quantitation (LOQ) for this analyte exceeds the Maximum Contaminant Level (MCL)
*	Result exceeds the Maximum Contaminant Level (MCL)
A	The analyte level was greater than four times the spike level - in accordance with the method, percent recovery is not calculated
B	Analyte detected in the method blank
C	Continuing calibration verification was outside of the quality control advisory limits
D	Limit of Quantitation (LOQ) increased due to sample matrix
E	Estimated value - result exceeds the instrument upper quantitation limit
H	Analysis performed past the method holding time
J	The reported result is an estimated value
L	Lowest Limit of Quantitation (LOQ) available for the analytical method used
N	Analyte concentration was not sufficiently high to calculate a Relative Percent Difference (RPD) for the serial dilution test
O	Diluted out
P	Poor method performance - method validations have shown no recoveries at low concentrations or method performance was erratic
Q	Values reported below the Limit of Quantitation (LOQ) are statistically invalid
R	Relative Percent Difference (RPD) exceeds advisory limit
S	Spike recovery outside of advisory limits
T	Analyte detected in the associated trip blank
U	Not detected at the Limit of Detection (LOD)
V	The RPD value for this duplicate represents the RER value and the RPDLimit of 2 is the RER upper limit.

Qualifiers and Abbreviations

Abbreviation

Reporting	Explanation of Abbreviation
DF	Dilution Factor
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
MCL	Maximum Contaminant Level
MDC	Minimum Detectable Concentration
ND	Not detected at the Limit of Quantitaton (LOQ)
RBSL	Risk-Based Screening Levels
REC	Recovery
RER	Relative Error Ratio
RPD	Relative Percent Difference
SPK	Spike

Sample Types	Explanation of Abbreviation
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification Standard
DUP	Sample Duplicate
ICSA	Interference Check Sample A
ICSAB	Interference Check Sample AB
ICV	Initial Calibration Verification Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LFB	Laboratory Fortified Blank
LRB	Laboratory Reagent Blank
MBLK	Method Blank
MS	Sample Matrix Spike
MSD	Sample Matrix Spike Duplicate
PDS	Post Digestion/Distillation Spike
QCS	Quality Control Sample
SD	Serial Dilution
SRM	Standard Reference Material

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: APPL Inc
Client Sample ID: BA31078, ERH1355
Project: Not Indicated
Matrix: Drinking Water

Lab ID: B21042016-001
Collection Date: 04/21/2021 12:15
Date Received: 04/28/2021
Report Date: 05/05/2021

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
PETROLEUM HYDROCARBONS-SEMI-VOLATILE												
C10 to C25 Hydrocarbons	ND	mg/L	1	U	0.30	0.12	0.038		SW8015C	04/29/2021 18:54/amn	GCFID-HP5-B_210429A : 5	154879
C8 to C18 Hydrocarbons	ND	mg/L	1	U	0.30	0.12	0.048		SW8015C	04/29/2021 18:54/amn	GCFID-HP5-B_210429A : 5	154879
Surr: o-Terphenyl	96	%REC	1		50-150				SW8015C	04/29/2021 18:54/amn	GCFID-HP5-B_210429A : 5	154879

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: APPL Inc
Client Sample ID: BA31079, ERH1356
Project: Not Indicated
Matrix: Drinking Water

Lab ID: B21042016-002
Collection Date: 04/21/2021 12:45
Date Received: 04/28/2021
Report Date: 05/05/2021

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
PETROLEUM HYDROCARBONS-SEMI-VOLATILE												
C10 to C25 Hydrocarbons	ND	mg/L	1	U	0.30	0.12	0.039		SW8015C	04/29/2021 19:36/amn	GCFID-HP5-B_210429A : 6	154879
C8 to C18 Hydrocarbons	ND	mg/L	1	U	0.30	0.12	0.049		SW8015C	04/29/2021 19:36/amn	GCFID-HP5-B_210429A : 6	154879
Surr: o-Terphenyl	107	%REC	1		50-150				SW8015C	04/29/2021 19:36/amn	GCFID-HP5-B_210429A : 6	154879

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: APPL Inc
Workorder: B21042016
Project: Not Indicated
Report Date: 05/05/2021

Run ID: Run Order: GCFID-HP5-B_210429A: 4 **SampType:** Method Blank **Batch ID:** 154879
Method: SW8015C **Analysis Date:** 04/29/2021 18:12 **Prep Date:** 04/28/2021 11:46
Lab ID: MB-154879 **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
C10 to C25 Hydrocarbons	ND	0.15									
C8 to C18 Hydrocarbons	ND	0.15									
Total Extractable Hydrocarbons	ND	0.15									
Surr: o-Terphenyl	0.20	0.0020	0.20		100.0	50	150				

Associated Samples: **B21042016-001A, B21042016-002A**

Run ID: Run Order: GCFID-HP5-B_210429A: 3 **SampType:** Laboratory Control Sample **Batch ID:** 154879
Method: SW8015C **Analysis Date:** 04/29/2021 17:30 **Prep Date:** 04/28/2021 11:46
Lab ID: LCS-154879 **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Total Extractable Hydrocarbons	14	0.30	15		90.0	60	132				
Surr: o-Terphenyl	0.19	0.0020	0.20		93.0	56	125				

Associated Samples: **B21042016-001A, B21042016-002A**

Run ID: Run Order: GCFID-HP5-B_210429A: 13 **SampType:** Sample Matrix Spike **Batch ID:** 154879
Method: SW8015C **Analysis Date:** 04/29/2021 21:00 **Prep Date:** 04/28/2021 11:46
Lab ID: B21041962-001DMS **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Total Extractable Hydrocarbons	45	0.61	30	17	93.0	60	132				
Surr: o-Terphenyl	0.35	0.0040	0.40	0.00	86.0	56	125				

Associated Samples: **B21042016-001A, B21042016-002A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: APPL Inc
Workorder: B21042016
Project: Not Indicated
Report Date: 05/05/2021

Run ID: Run Order: GCFID-HP5-B_210429A: 14
SampType: Sample Matrix Spike Duplicate
Batch ID: 154879
Method: SW8015C
Analysis Date: 04/29/2021 21:42
Prep Date: 04/28/2021 11:46
Lab ID: B21041962-001DMSD
Units: mg/L
Prep Method: SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Total Extractable Hydrocarbons	49	0.61	30	17	106.0	60	132	45	9.0	20.0	
Surr: o-Terphenyl	0.39	0.0040	0.40	0.00	95.0	56	125	0.00			

Associated Samples: **B21042016-001A, B21042016-002A**

Run ID: Run Order: GCFID-HP5-B_210429A: 2
SampType: Continuing Calibration Verification Standard
Batch ID: R360002
Method: SW8015C
Analysis Date: 04/29/2021 16:05
Prep Date:
Lab ID: CCV_0429HP504r
Units: mg/L
Prep Method:

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Total Extractable Hydrocarbons	16	0.30	15		109.0	80	120				
Surr: o-Terphenyl	0.20	0.0020	0.20		100.0	80	120				

Associated Samples: **B21042016-001A, B21042016-002A**

Analytical QC Exceptions Report

Prepared by Billings, MT Branch

Client: APPL Inc
Workorder: B21042016
Project: Not Indicated

Report Date: 05/05/2021

All quality control measures met criteria; there were no Analytical QC Exceptions.

Preparation and Analysis Dates Report

Work Order: B21042016
Client: APPL Inc
Project Name: Not Indicated
Report Date: 5/05/2021

Lab ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Method	Prep Date	Prep Batch	Analysis Method	Analysis Date
001A	BA31078, ERH1355	04/21/2021 12:15	Drinking Water	Diesel Range Organics		SW3520C	04/28/2021 11:46	154879	SW8015C	04/29/2021 18:54
002A	BA31079, ERH1356	04/21/2021 12:45	Drinking Water	Diesel Range Organics		SW3520C	04/28/2021 11:46	154879	SW8015C	04/29/2021 19:36

Chemical Abstracts Service (CAS) Registry Numbers

Prepared by Billings, MT Branch

Client: APPL Inc
Workorder: B21042016
Project: Not Indicated

Report Date: 05/05/2021

Analyses	CAS No
Petroleum Hydrocarbons-Semi-Volatile	
C10 to C25 Hydrocarbons	
C8 to C18 Hydrocarbons	

From: Libby Cheeseborough <libby@applinc.com>
Sent: Monday, May 03, 2021 3:58 PM
To: 'Shari Endy'
Subject: RE: Samples received 4/28/2021

Hi Shari,
Thank you. Please proceed with extraction and analysis.

Thank you,
Libby

Libby Cheeseborough
Project Manager

Agriculture & Priority Pollutants Laboratories, Inc.
WOSB. NELAP Accredited.
d. 559.862.2109 t. 559.275.2175 f. 559.275.4422
a. 908 N. Temperance Ave., Clovis, CA 93611

Website • Email

DoD accredited for ISM, Dioxins and PCB congeners.
Now DoD Certified for PFAS. Contact your PM for details.

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From: Shari Endy [mailto:sendy@energylab.com]
Sent: Monday, May 03, 2021 2:05 PM
To: Libby Cheeseborough
Subject: Samples received 4/28/2021

Hi Libby –

Regarding the DOD samples received 4/28/2021, see notes below. Once we corrected for Pacific Time, we were able to extract the samples within the holding time. Please let me know if you are ok with proceeding with analysis based on the items below.

- Notification was not made to Energy Laboratories that DOD samples were being shipped to the lab and there was no indication on the outside of the cooler, therefore the cooler was not opened in a hood as required for DOD.
- The state where the sample originated was not specified on the Chain of Custody. Please confirm the state of origin.
- Samples containers and preservative were not provided by Energy Laboratories, therefore preservative traceability does not exist with these samples.
- The COC matrix indicates water but the LOC ID indicated Drinking Water Pre-Chlorination. Please confirm the matrix. The EQuIS EDD for AECom (assuming these samples are for AECom) requires a specific matrix.

Thank you.

Energy Laboratories, Inc.
Trust our People. Trust our Data.

Shari Endy | Sr. Project Manager | Billings, MT
O: 406-869-6253| sendy@energylab.com | www.energylab.com

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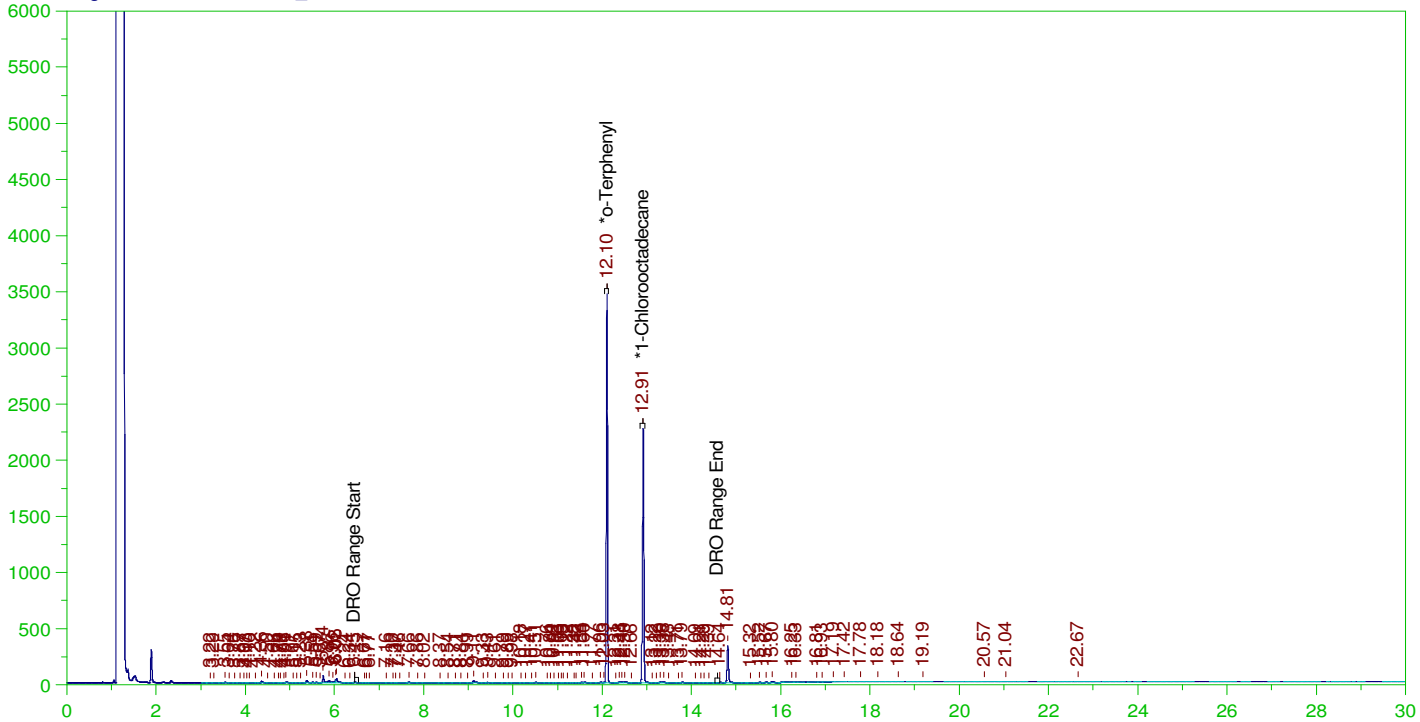
BA31078, ERH1355 Batch ID: 154879

— G:\org\HP5\DAT\HP5042921_b\0429HP5.0008.RAW B21042016-001A ;0429HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21042016-001A ;0429HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0008.RAW
Date & Time Acquired: 4/29/2021 6:54:34 PM
Method File: G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108-C10-C25-HG.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

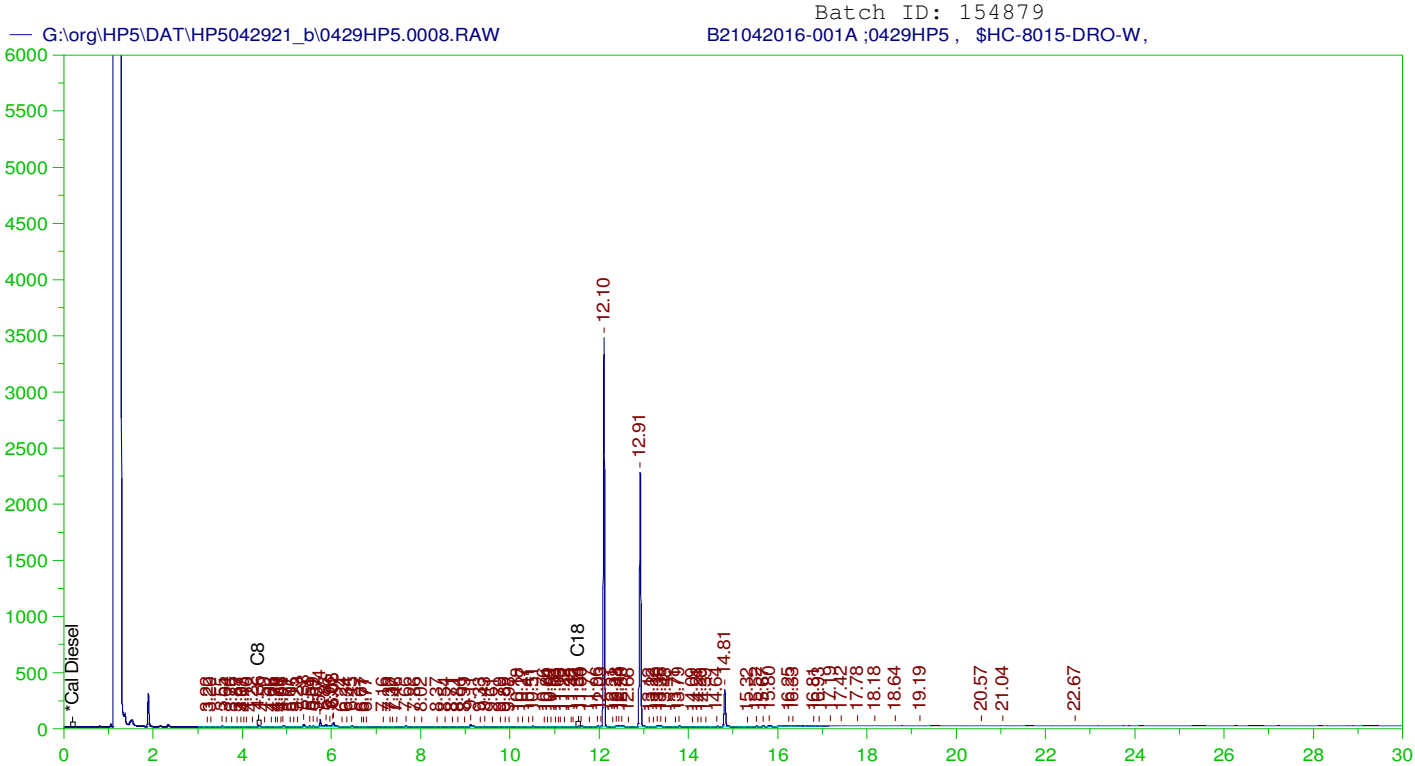
Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.44 to 14.63

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.104	.194	.186	96.	-
*1-Chlorooctadecane	12.914	.194	.135	69.57	-

DRO (C10-C25) Area:624993.1 DRO (C10-C25) Amount: 2.059893E-02
TEH Area:2209234 TEH Amount: 7.281337E-02

AMN 05/05/2021

Batch ID: 154879



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B21042016-001A ;0429HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0008.RAW
Date & Time Acquired: 4/29/2021 6:54:34 PM
Method File: G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108-C8-C18-HGb.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 29457.33
Rt range for Residual Range Organics: 4.33 to 11.58

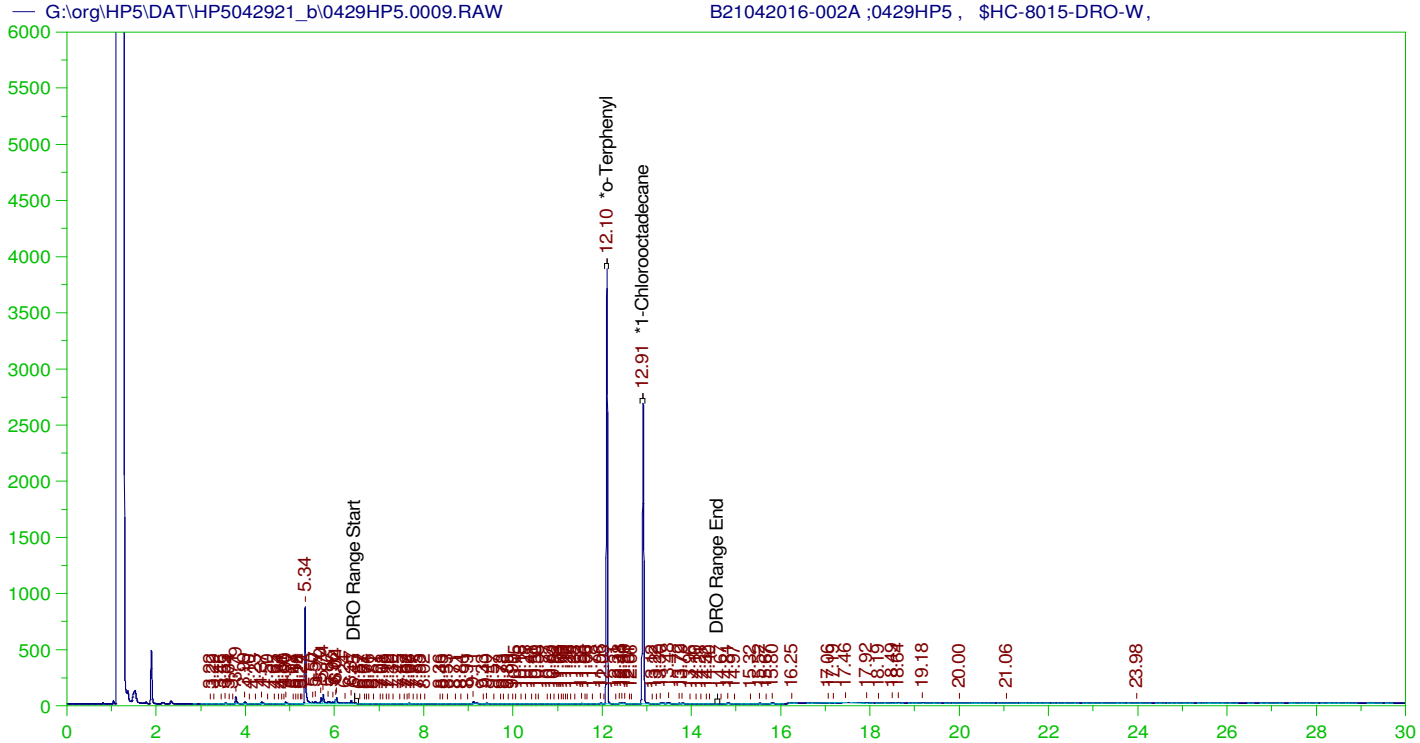
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC

~~RRO~~ (C8-C18) Area:1064465 ~~RRO~~ (C8-C18) AMOUNT: 3.508332E-02

AMN 05/05/2021

BA31079, ERH1356 Batch ID: 154879

G:\org\HP5\DAT\HP5042921_b\0429HP5.0009.RAW B21042016-002A ;0429HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21042016-002A ;0429HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0009.RAW
Date & Time Acquired: 4/29/2021 7:36:41 PM
Method File: G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108-C10-C25-HG.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

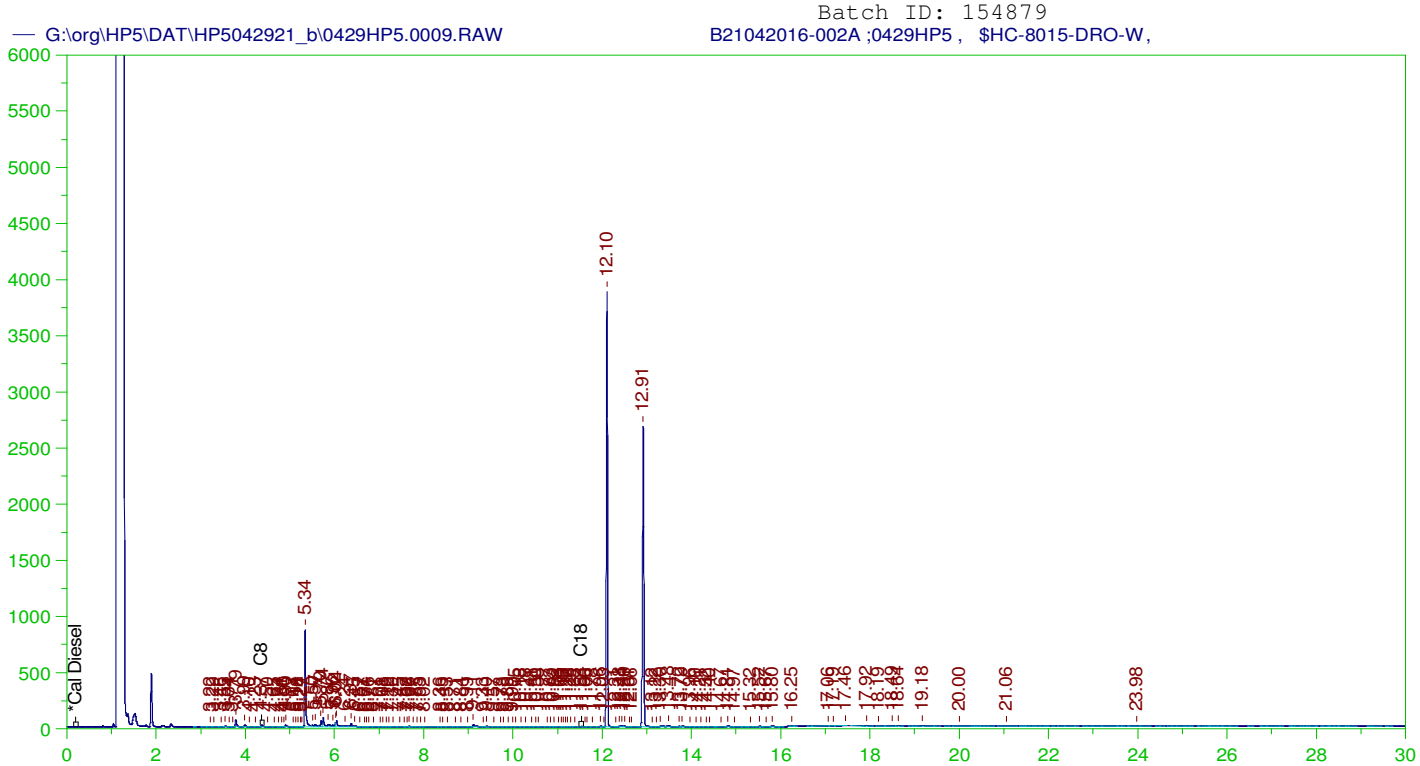
Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.44 to 14.63

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.104	.2	.212	105.83	-
*1-Chlorooctadecane	12.913	.2	.166	82.88	-

DRO (C10-C25) Area:702888.6 DRO(C10-C25) Amount: 2.386124E-02
TEH Area:3758006 TEH Amount: 0.1275745

AMN 05/05/2021

Batch ID: 154879



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B21042016-002A ;0429HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0009.RAW
Date & Time Acquired: 4/29/2021 7:36:41 PM
Method File: G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108-C8-C18-HGb.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 29457.33
Rt range for Residual Range Organics: 4.33 to 11.58

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC

~~RRO (C8-C18)~~ Area:3201431 ~~RRO~~ (C8-C18)AMOUNT: 0.1086803

AMN 05/05/2021

Energy Laboratories Inc

ANALYTICAL RUN Summary

12-Jan-21

Run ID GCFID-HP5-B_210108B

Run Start Date:	1/8/2021
Analyst:	Ann Nebel
Ical:	
Column ID:	
Comments:	NEW ICAL SW8015C_DRO210108HA.CAL

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
DRO200917B	Diesel Fuel #2 50,000 ug/mL in DCM					CALS	12/31/2021
DRO201210A	#2 Diesel in Acetone 150,000 ug/mL					SECOND S	6/10/2021
DRO210105B	EPH (4) SURR-1000 ug/mL ea. in Hexane					SURRS	5/31/2022

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154799	CCV_0108HP51	HC-8015-DRO-	CAL1		1/8/2021 2:21:25	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		0.1350772		0.15	0	0	0	0.3	50	90%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154800	CCV_0108HP51	HC-8015-DRO-	CAL2		1/8/2021 3:03:30	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		3.865478		3.75	0	0	0	0.3	50	103%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154801	CCV_0108HP51	HC-8015-DRO-	CAL3		1/8/2021 3:45:32	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		15.3786		15	0	0	0	0.3	50	103%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154802	CCV_0108HP51	HC-8015-DRO-	CAL4		1/8/2021 4:27:38	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		39.10215		37.5	0	0	0.0499	0.3	50	104%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154803	CCV_0108HP51	HC-8015-DRO-	CAL5		1/8/2021 5:09:49	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		50.03634		50	0	0	0.0499	0.3	50	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154804	CCV_0108HP50	HC-8015-DRO-	CAL1		1/8/2021 5:52:15	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	S	mg/L		0.00201784		0.002	0	0	0	0.002	0	101%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154805	CCV_0108HP50	HC-8015-DRO-	CAL2		1/8/2021 6:34:45	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	S	mg/L		0.04980491		0.05	0	0	0	0.002	0	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154806	CCV_0108HP50	HC-8015-DRO-	CAL3		1/8/2021 7:17:18	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	S	mg/L		0.2027571		0.2	0	0	0	0.002	0	101%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154807	CCV_0108HP50	HC-8015-DRO-	CAL4		1/8/2021 7:59:52	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	S	mg/L		0.4989882		0.5	0	0	0.000327	0.002	0	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154808	CCV_0108HP51	HC-8015-DRO-	CAL5		1/8/2021 8:42:33	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	S	mg/L		0.9852039		1	0	0	0.000327	0.002	0	99%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14154809	CCV_0108HP51	HC-8015-DRO-	ICV		1/8/2021 9:25:08	1	R354713		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		14.94195		15	0	0	0.0499	0.3	50	100%	80	120	0%	

Write Sequence Data File	Insert Entries(Have the first cell for entries selecte Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
:\org\HP5\DAT\HP5010821_b\0108HP5.04r	CCV_0108HP504r, DRO ;0108HP5 , DRO201215A	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.05r	DCM-Baseline Check-V05	G:\Org\HP5\Methods\DR_8015-GX-LEXP.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.06r	CCV_0108HP511r, CAL1 ;0108HP5 , 150 ug per mL Diesel (20 uL of Cal3 + 980 uL DCM(13322), then 100 uL of that + 100 uL of DCM (13322))	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.07r	CCV_0108HP512r, CAL2 ;0108HP5 , 3750 ug per mL Diesel (100 uL Cal4 + 900 uL of DCM(13322)	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.08r	CCV_0108HP513r, CAL3 ;0108HP5 , 15000 ug per mL Diesel (300 uL of DRO20917B + 700 uL DCM(13322)	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.09r	CCV_0108HP514r, CAL4 ;0108HP5 , 37500ug per mL Diesel (750 uL of DRO20917B + 250 uL DCM(13322)	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.10r	CCV_0108HP515r, CAL5 ;0108HP5 , 50000 ug per mL Diesel (200 uL of DRO20917B)	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.11r	CCV_0108HP506r, CAL1 ;0108HP5 , 2 ug per mL OTP (10 uL of Cal3 + 990 uL DCM(13322)	G:\Org\HP5\Methods\DS_8015-HA-L#.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.12r	CCV_0108HP507r, CAL2 ;0108HP5 , 50 ug per mL OTP (100 uL Cal4 + 900 uL of DCM(13322)	G:\Org\HP5\Methods\DS_8015-HA-L#.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.13r	CCV_0108HP508r, CAL3 ;0108HP5 , 200 ug per mL OTP (100uL of Cal5 + 400 uL DCM(13322)	G:\Org\HP5\Methods\DS_8015-HA-L#.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.14r	CCV_0108HP509r, CAL4 ;0108HP5 , 500 ug per mL OTP (250uL of Cal5 + 250 uL DCM(13322)	G:\Org\HP5\Methods\DS_8015-HA-L#.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.15r	CCV_0108HP510r, CAL5 ;0108HP5 , 1000 ug per mL OTP (250 uL 4000 ug/mL OTP DRO210105B + 750 DCM(13322)	G:\Org\HP5\Methods\DS_8015-HA-L#.met	1	1	1	1	0
:\org\HP5\DAT\HP5010821_b\0108HP5.16r	CCV_0108HP516r, Second Source ;0108HP5 , 15000 ug per mL (100uL of DRO201210A + 900uL DCM(13322)	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0

File Name: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Version: 5

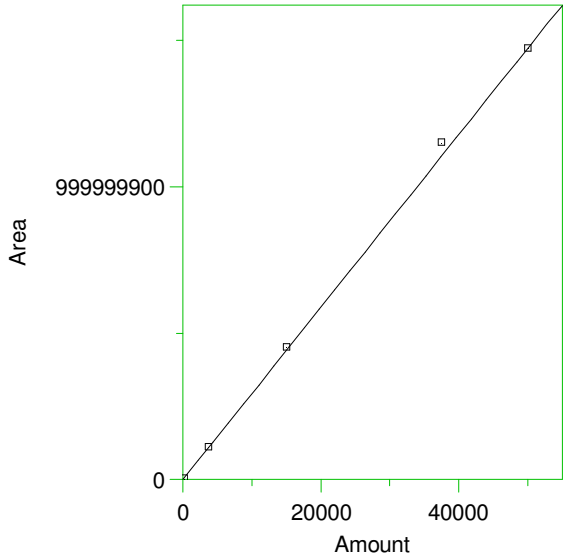
Creator: AMN 1/11/2021
Description: DRO-8015. New ICal Per 0108HP5 (2021)-2 uL Inj.; COD added using OTP RFs
Reason for change:

External standard calibration
Standard injection volume: 1
Standard sample weight: 1
Area reject threshold: 500
Reference peak area reject threshold: 500
Amount units: nanograms
No default component

Method of calculating data point averages: Equal weight for all updates
No calibration update report

All levels are normal data points.

1 DRO Range Start



Expected retention time:	6.82 minutes
Search window:	0.05 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

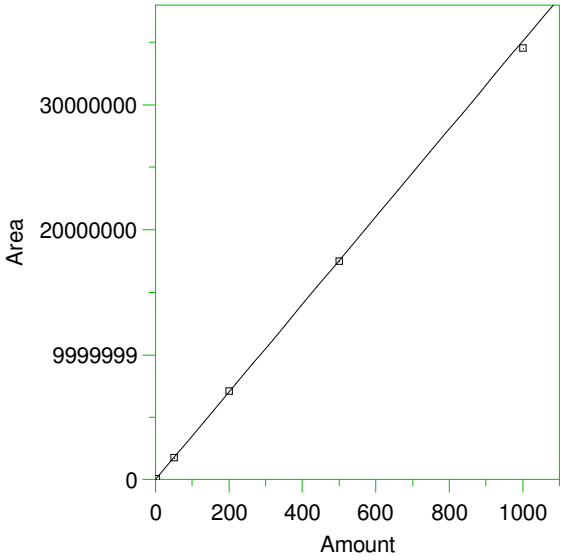
Y = 29457.33 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9985872
Average error:	3.979%
Average CF:	29457.33
RSD:	5.768%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	150	3979014	26526.76	-9.949	Manual	1/11/2021 9:46:00 AM
2	3750	1.138667E+08	30364.46	3.079	Manual	1/11/2021 9:46:09 AM
3	15000	4.530125E+08	30200.83	2.524	Manual	1/11/2021 9:46:18 AM
4	37500	1.151845E+09	30715.87	4.272	Manual	1/11/2021 9:46:27 AM
5	50000	1.473937E+09	29478.74	0.073	Manual	1/11/2021 9:46:39 AM

2 *o-Terphenyl



Expected retention time:	12.57 minutes
Search window:	0.05 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

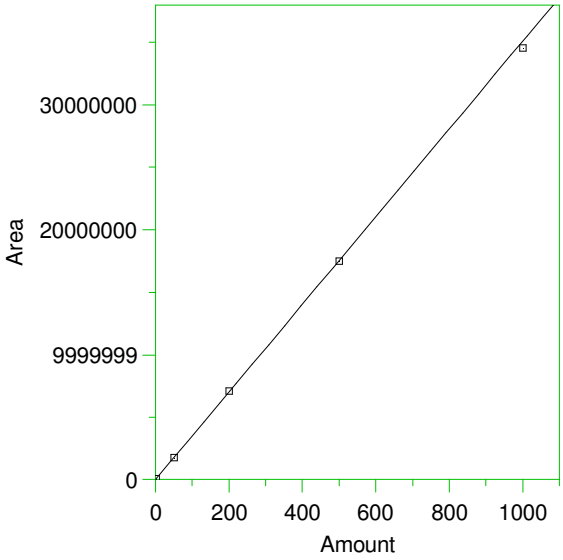
Y = 35071.26 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9996535
Average error:	0.838%
Average CF:	35071.26
RSD:	1.097%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	2	70648.41	35324.2	0.721	G:\Org\HP5\DAT\HP5010821_b\0108HP5.0011.BND	1/11/2021 9:44:43 AM
2	50	1746406	34928.12	-0.408	G:\Org\HP5\DAT\HP5010821_b\0108HP5.0012.BND	1/11/2021 9:44:50 AM
3	200	7110604	35553.02	1.374	G:\Org\HP5\DAT\HP5010821_b\0108HP5.0013.BND	1/11/2021 9:44:58 AM
4	500	1.749965E+07	34999.3	-0.205	G:\Org\HP5\DAT\HP5010821_b\0108HP5.0014.BND	1/11/2021 9:45:02 AM
5	1000	3.455164E+07	34551.64	-1.482	G:\Org\HP5\DAT\HP5010821_b\0108HP5.0015.BND	1/11/2021 9:45:07 AM

3 *1-Chlorooctadecane



Expected retention time:	13.36 minutes
Search window:	0.05 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

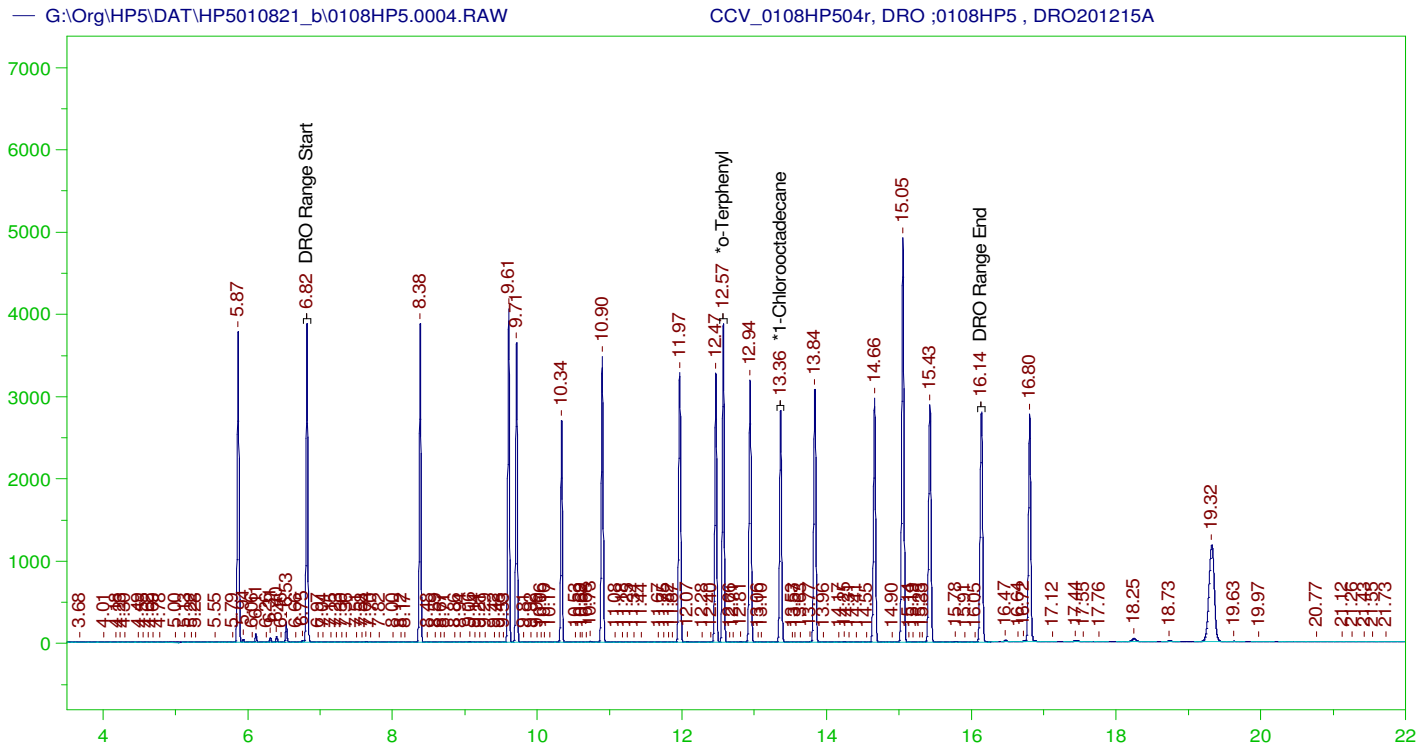
Single peak quantification by area

Y = 35071.26 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9996535
Average error:	0.838%
Average CF:	35071.26
RSD:	1.097%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	2	70648.41	35324.2	0.721	Manual	1/11/2021 9:45:13 AM
2	50	1746406	34928.12	-0.408	Manual	1/11/2021 9:45:15 AM
3	200	7110604	35553.02	1.374	Manual	1/11/2021 9:45:17 AM
4	500	1.749965E+07	34999.3	-0.205	Manual	1/11/2021 9:45:19 AM
5	1000	3.455164E+07	34551.64	-1.482	Manual	1/11/2021 9:45:21 AM



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP504r, DRO ;0108HP5 , DRO201215A
Raw File: G:\Org\HP5\DAT\HP5010821_b\0108HP5.0004.RAW
Date & Time Acquired: 1/8/2021 12:47:29 PM
Method File: G:\Org\HP5\Methods\DC_8015-HA-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.572	200.	197.718	98.86	-
*1-Chlorooctadecane	13.364	200.	156.111	78.06	-

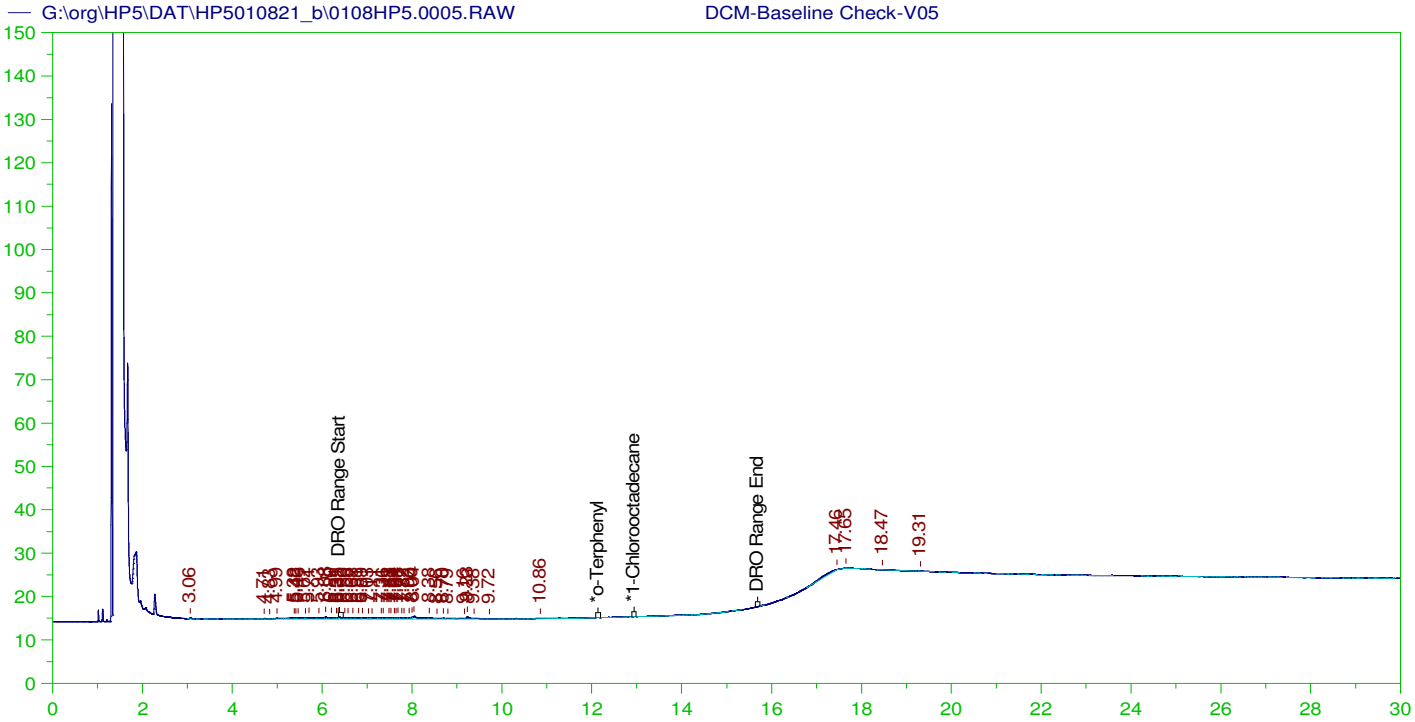
DRO Area:8.880706E+07 DRO Amount: 3014.77
TEH Area:1.082932E+08 TEH Amount: 3676.273

CONTINUING CALIBRATION REPORT: G:\Org\HP5\DAT\HP5010821_b\0108HP5.0004.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	3676.27	24.51	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.572	200.	197.718	98.86	85-115
*1-Chlorooctadecane	13.364	200.	156.111	78.06	85-115

G:\org\HP5\dat\HP5010821_b\Review\004_CCV_0108HP504r_DC_8015-HA-L%.xls



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

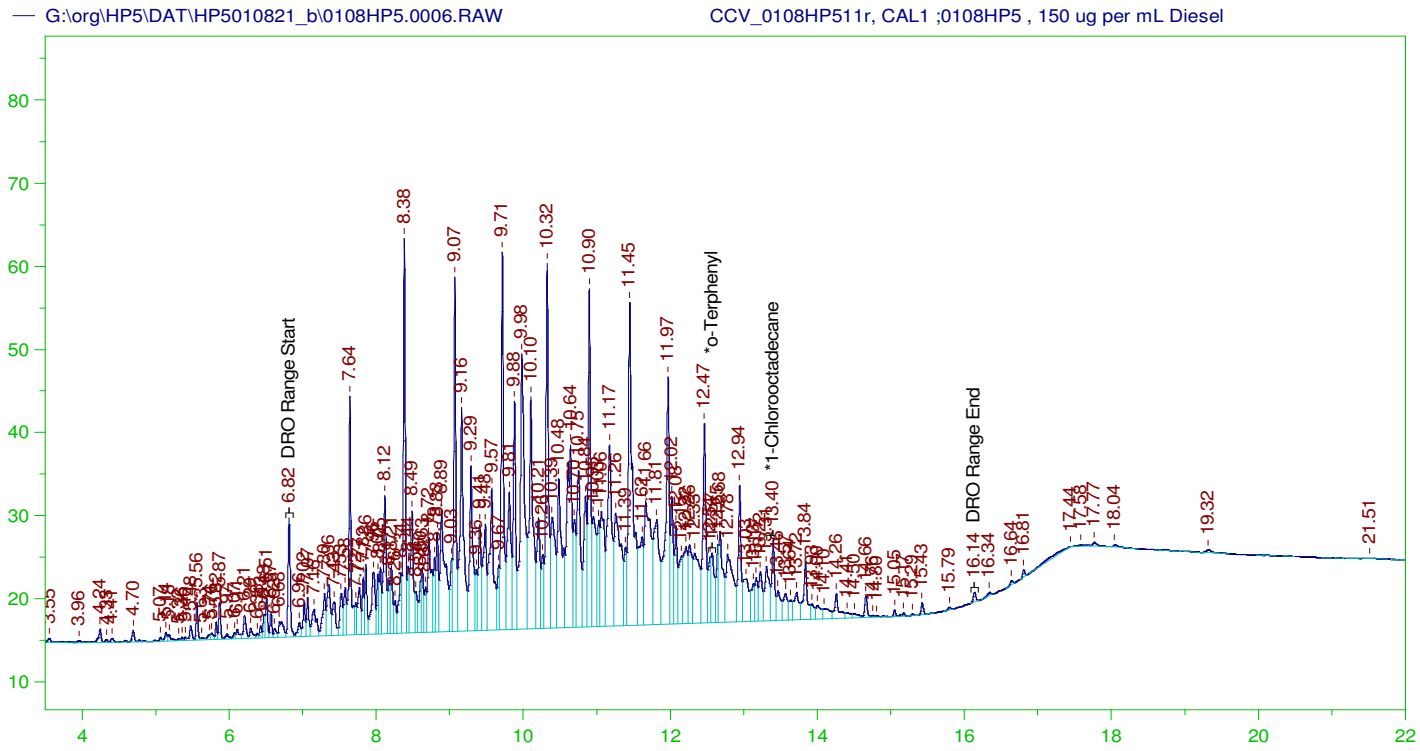
Sample Name: DCM-Baseline Check-V05
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0005.RAW
Date & Time Acquired: 1/8/2021 1:29:38 PM
Method File: G:\Org\HP5\Methods\DR_8015-GX-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO200123GX.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 28963.21
Rt range for Diesel Range Organics: 6.36 to 15.74

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.787	200.	.	.	-
*1-Chlorooctadecane	29.787	200.	.	.	-

DRO Area:48911.73 DRO Amount: 1.688754
TEH Area:90991.55 TEH Amount: 3.141625

G:\org\HP5\dat\HP5010821_b\Review\005_DCM-Baseline Chec_DR_8015-GX-LEXP.xls



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP511r, CAL1 ;0108HP5 , 150 ug per mL Diesel
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0006.RAW
Date & Time Acquired: 1/8/2021 2:21:25 PM
Method File: G:\Org\HP5\Methods\DC_8015-HA-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.568	200.	.738	.37	-
*1-Chlorooctadecane	13.399	200.	.796	.4	-

DRO Area:3854036 DRO Amount: 130.8345
TEH Area:3979014 TEH Amount: 135.0772

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0006.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	135.08	.9	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.568	200.	.738	.37	85-115
*1-Chlorooctadecane	13.399	200.	.796	.4	85-115

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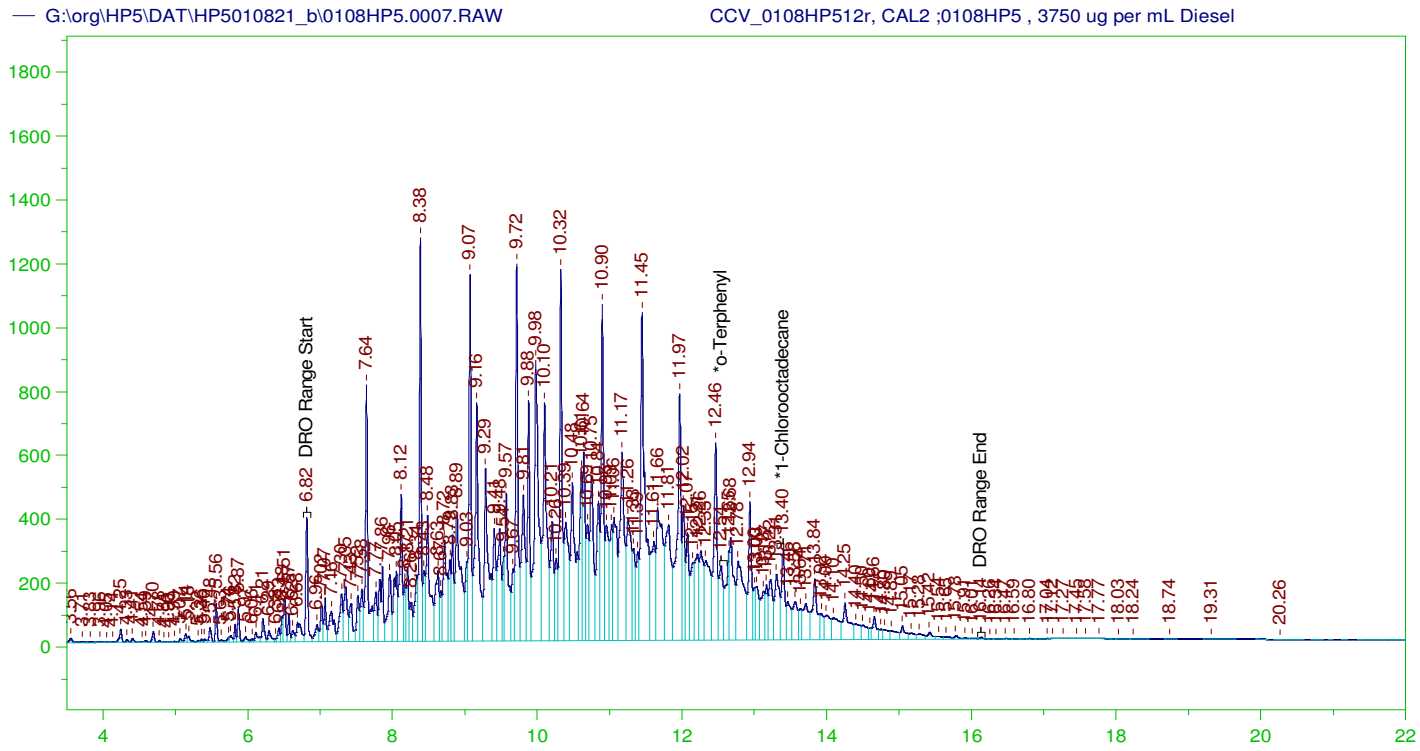


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP512r, CAL2 ;0108HP5 , 3750 ug per mL Diesel
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0007.RAW
Date & Time Acquired: 1/8/2021 3:03:30 PM
Method File: G:\Org\HP5\Methods\DC_8015-HA-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.54	200.	26.506	13.25	-
*1-Chlorooctadecane	13.397	200.	24.988	12.49	-

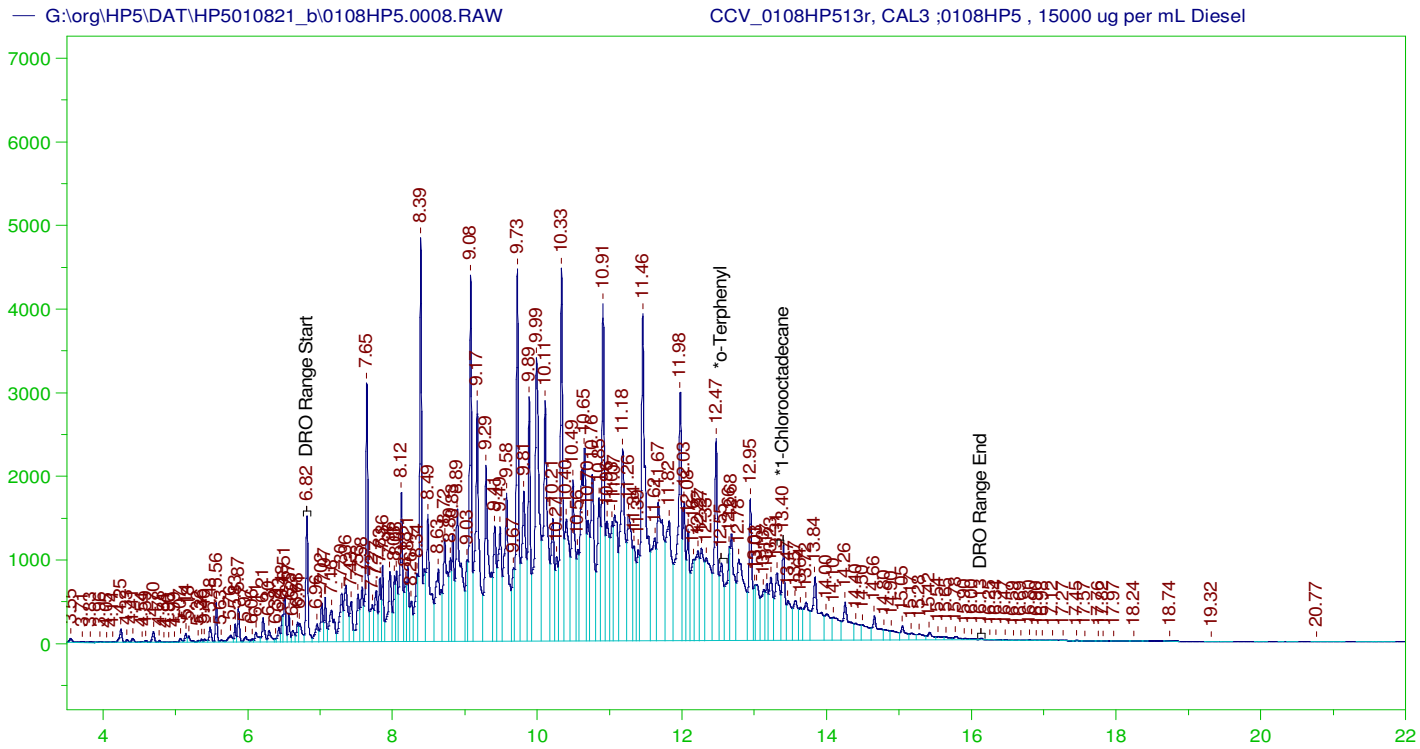
DRO Area:1.111179E+08 DRO Amount: 3772.164
TEH Area:1.138667E+08 TEH Amount: 3865.478

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0007.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	3865.48	25.77	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.54	200.	26.506	13.25	85-115
*1-Chlorooctadecane	13.397	200.	24.988	12.49	85-115

G:\org\HP5\dat\HP5010821_b\Review\007_CCV_0108HP512r_DC_8015-HA-L%.xls



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP513r, CAL3 ;0108HP5 , 15000 ug per mL Diesel
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0008.RAW
Date & Time Acquired: 1/8/2021 3:45:32 PM
Method File: G:\Org\HP5\Methods\DC_8015-HA-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.545	200.	101.663	50.83	-
*1-Chlorooctadecane	13.401	200.	99.24	49.62	-

DRO Area:4.420163E+08 DRO Amount: 15005.31
TEH Area:4.530125E+08 TEH Amount: 15378.6

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0008.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	15378.6	102.52	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.545	200.	101.663	50.83	85-115
*1-Chlorooctadecane	13.401	200.	99.24	49.62	85-115

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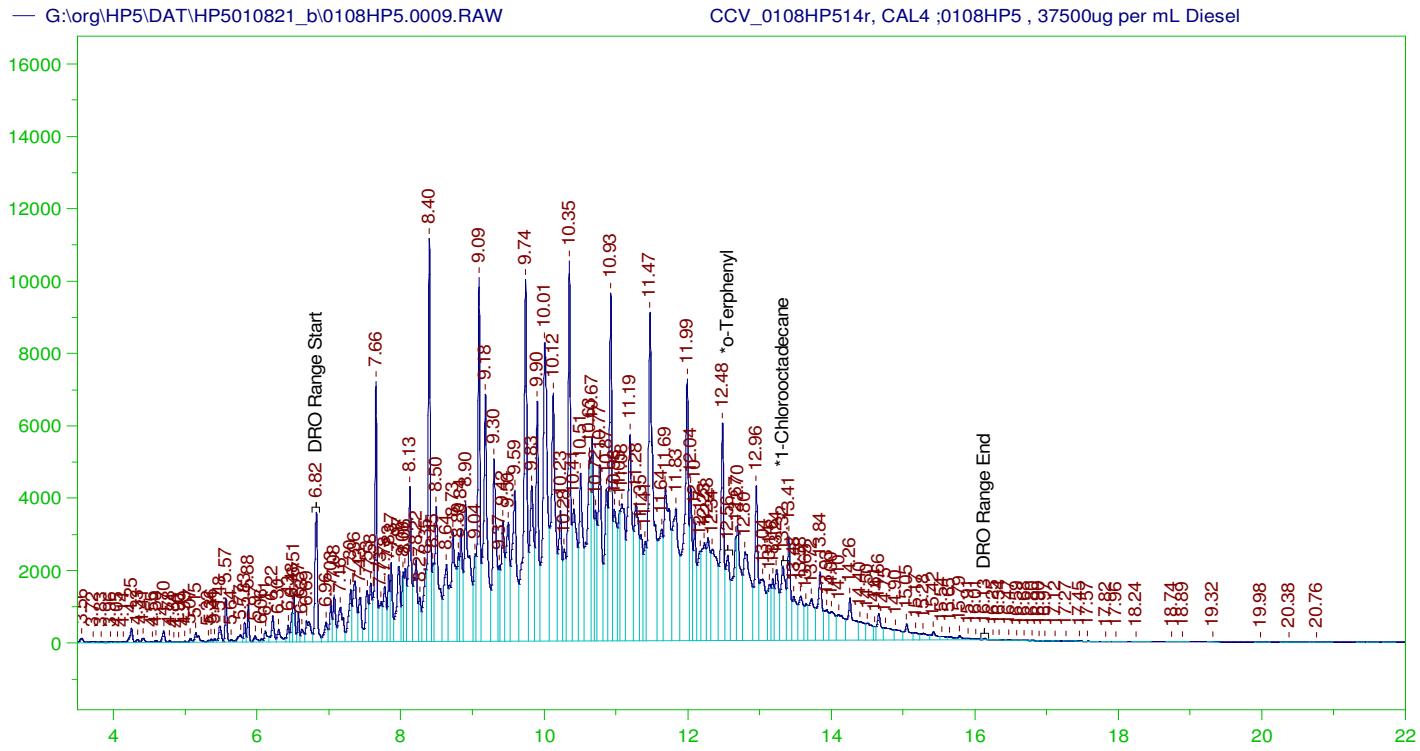


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP514r, CAL4 ;0108HP5 , 37500ug per mL Diesel
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0009.RAW
Date & Time Acquired: 1/8/2021 4:27:38 PM
Method File: G:\Org\HP5\Methods\DC_8015-HA-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.557	200.	266.864	133.43	-
*1-Chlorooctadecane	13.324	200.	269.818	134.91	-

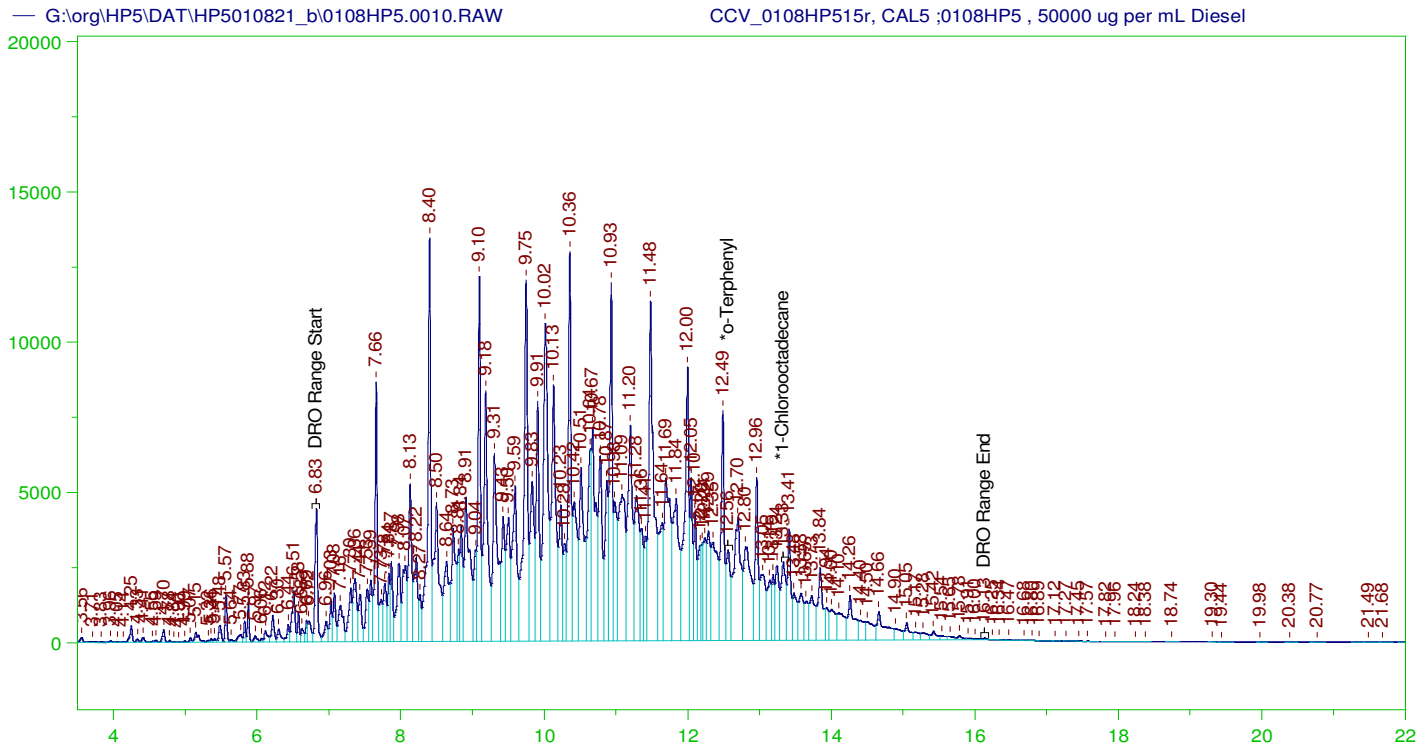
DRO Area:1.1239E+09 DRO Amount: 38153.5
TEH Area:1.151845E+09 TEH Amount: 39102.15

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0009.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	39102.15	260.68	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.557	200.	266.864	133.43	85-115
*1-Chlorooctadecane	13.324	200.	269.818	134.91	85-115

G:\org\HP5\dat\HP5010821_b\Review\009_CCV_0108HP514r_DC_8015-HA-L%.xls



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP515r, CAL5 ;0108HP5 , 50000 ug per mL Diesel
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0010.RAW
Date & Time Acquired: 1/8/2021 5:09:49 PM
Method File: G:\Org\HP5\Methods\DC_8015-HA-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.561	200.	341.952	170.98	-
*1-Chlorooctadecane	13.329	200.	347.521	173.76	-

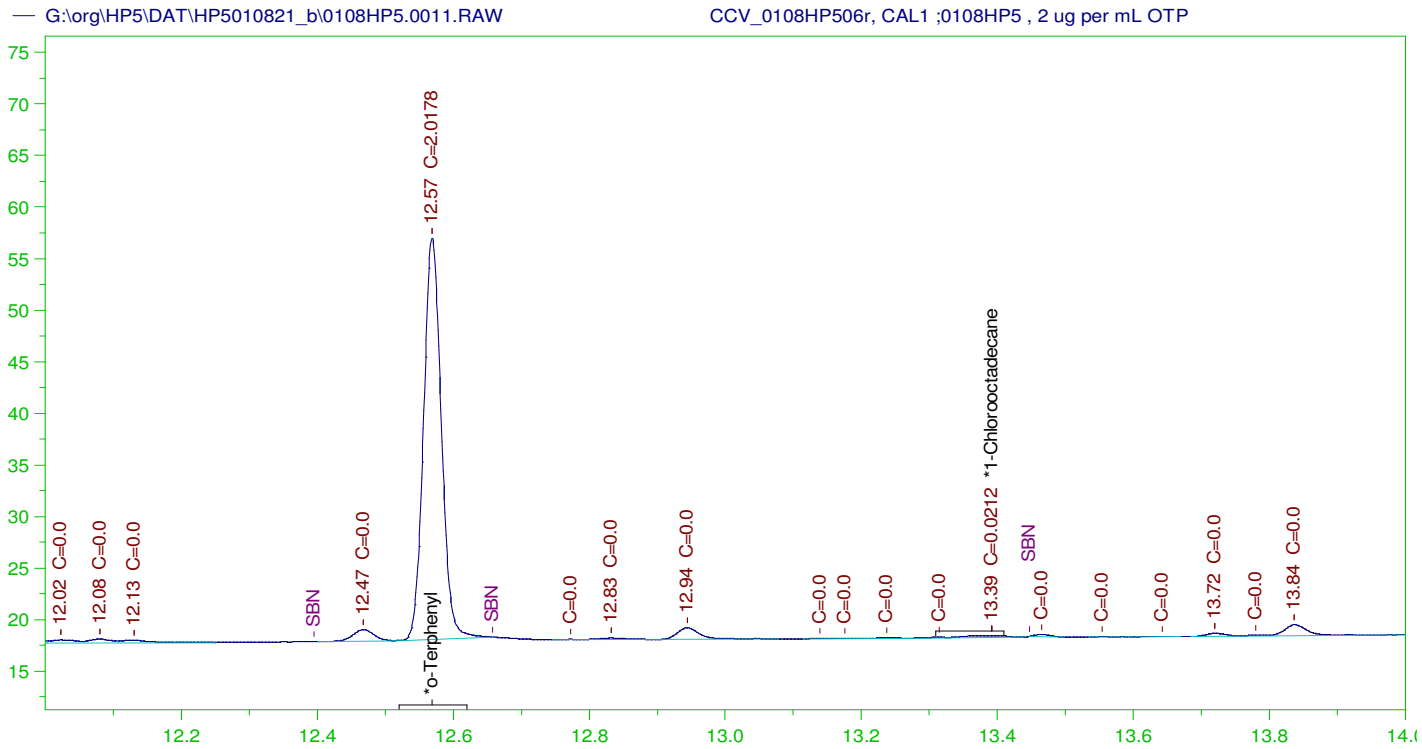
DRO Area:1.438162E+09 DRO Amount: 48821.87
TEH Area:1.473937E+09 TEH Amount: 50036.34

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0010.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	50036.34	333.58	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.561	200.	341.952	170.98	85-115
*1-Chlorooctadecane	13.329	200.	347.521	173.76	85-115

G:\org\HP5\dat\HP5010821_b\Review\010_CCV_0108HP515r_DC_8015-HA-L%.xls



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP506r, CAL1 ;0108HP5 , 2 ug per mL OTP
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0011.RAW
Date & Time Acquired: 1/8/2021 5:52:15 PM
Method File: G:\Org\HP5\Methods\DS_8015-HA-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.569	200.	2.018	1.01	-
*1-Chlorooctadecane	13.392	200.	.021	.01	-

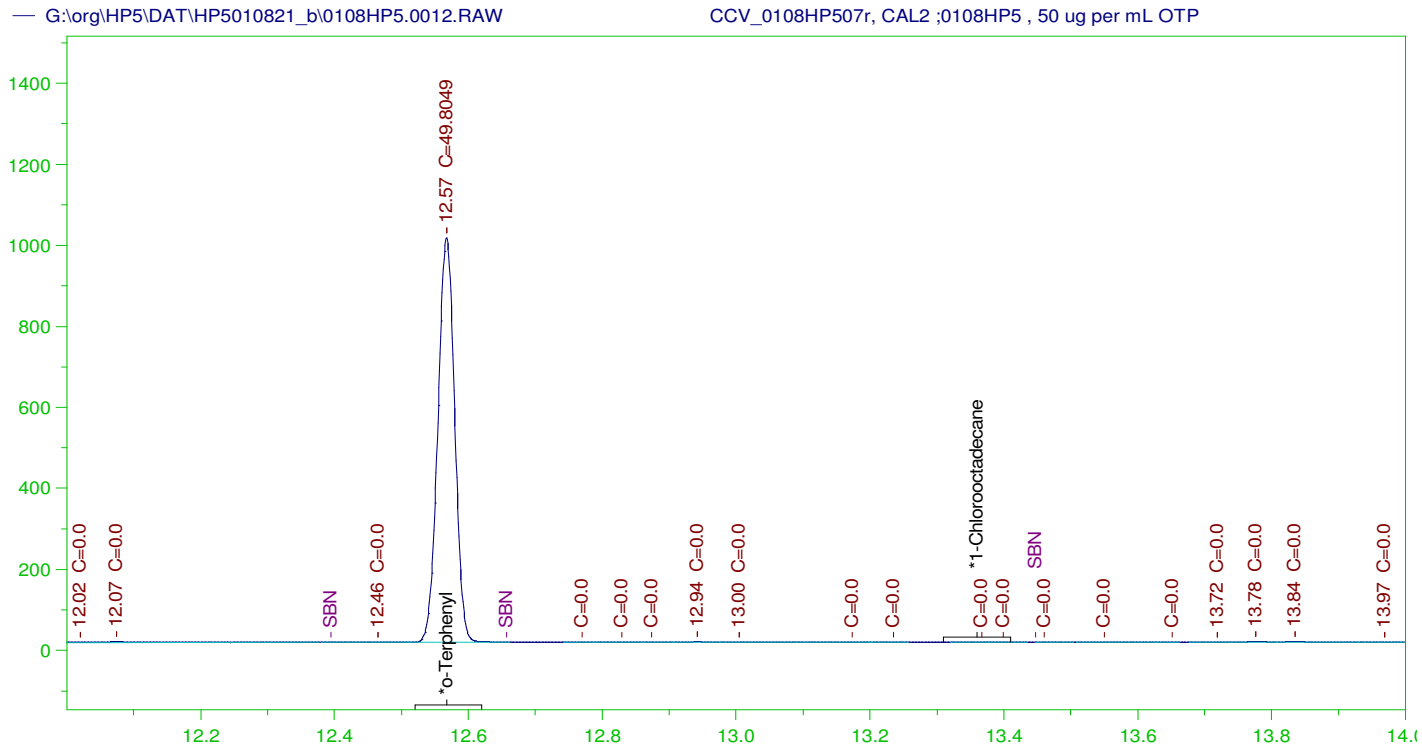
DRO Area:153898.5 DRO Amount: 5.224453
TEH Area:367701.2 TEH Amount: 12.4825

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0011.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	.	.	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.569	200.	2.018	1.01	85-115
*1-Chlorooctadecane	13.392	200.	.021	.01	85-115

G:\org\HP5\dat\HP5010821_b\Review\011_CCV_0108HP506r_DS_8015-HA-L#.xls



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP507r, CAL2 ;0108HP5 , 50 ug per mL OTP
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0012.RAW
Date & Time Acquired: 1/8/2021 6:34:45 PM
Method File: G:\Org\HP5\Methods\DS_8015-HA-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.567	200.	49.805	24.9	-
*1-Chlorooctadecane	15.793	200.	.	.	-

DRO Area:198540.3 DRO Amount: 6.739929
TEH Area:443484.3 TEH Amount: 15.05514

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0012.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	.	.	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.567	200.	49.805	24.9	85-115
*1-Chlorooctadecane	15.793	200.	.	.	85-115

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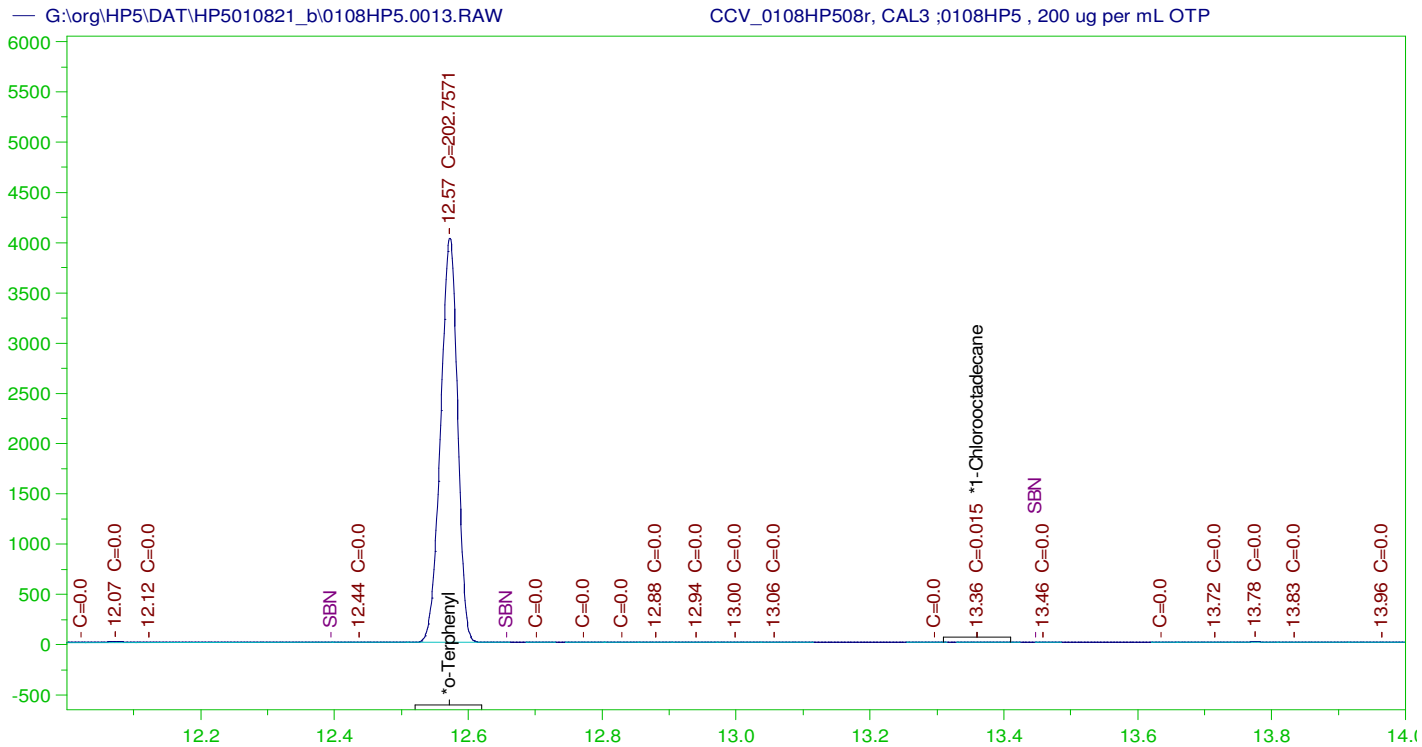

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP508r, CAL3 ;0108HP5 , 200 ug per mL OTP
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0013.RAW
Date & Time Acquired: 1/8/2021 7:17:18 PM
Method File: G:\Org\HP5\Methods\DS_8015-HA-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.572	200.	202.757	101.38	-
*1-Chlorooctadecane	13.36	200.	.015	.01	-

DRO Area:425468.4 DRO Amount: 14.44355
TEH Area:809202.7 TEH Amount: 27.47033

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0013.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	27.47	.18	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.572	200.	202.757	101.38	85-115
*1-Chlorooctadecane	13.36	200.	.015	.01	85-115

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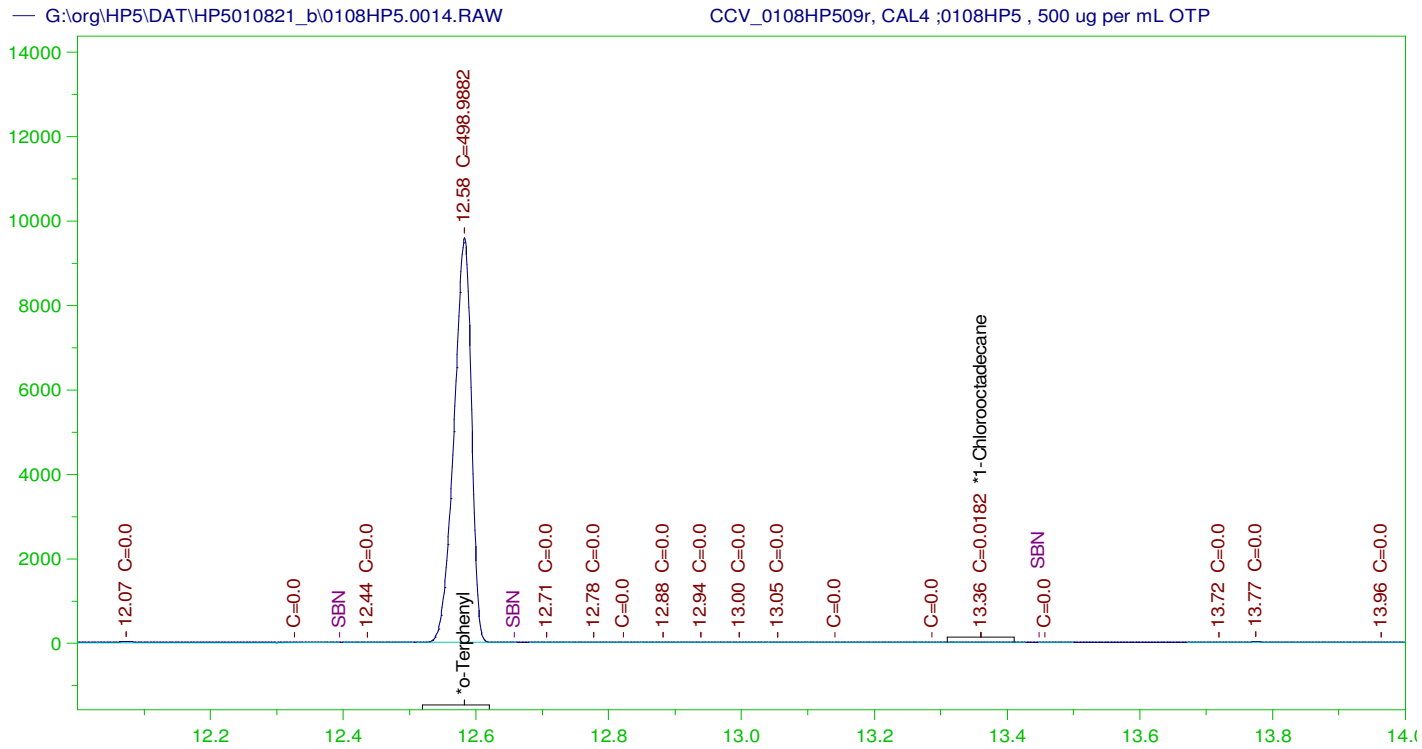

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP509r, CAL4 ;0108HP5 , 500 ug per mL OTP
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0014.RAW
Date & Time Acquired: 1/8/2021 7:59:52 PM
Method File: G:\Org\HP5\Methods\DS_8015-HA-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.583	200.	498.988	249.49	-
*1-Chlorooctadecane	13.361	200.	.018	.01	-

DRO Area:651862.6 DRO Amount: 22.12904
TEH Area:1164840 TEH Amount: 39.5433

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0014.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	39.54	.26	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.583	200.	498.988	249.49	85-115
*1-Chlorooctadecane	13.361	200.	.018	.01	85-115

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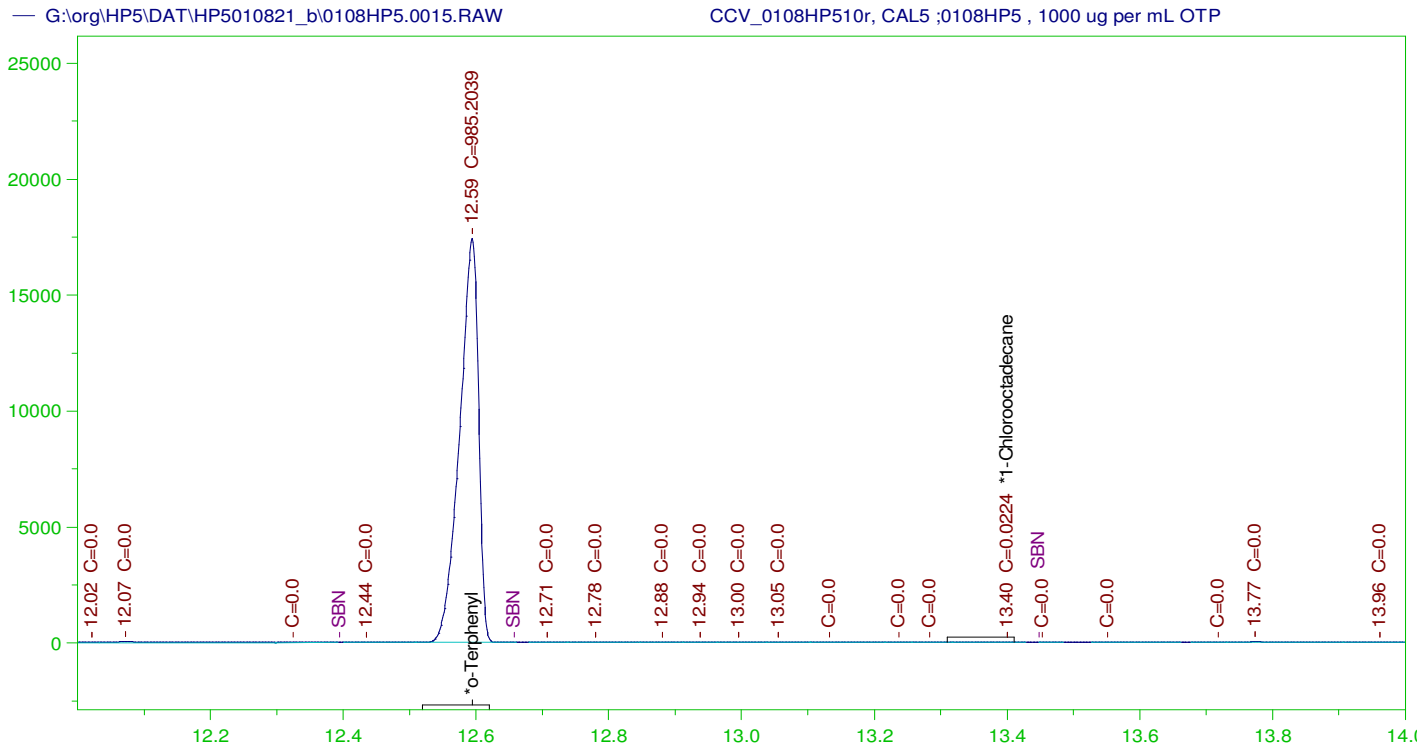


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP510r, CAL5 ;0108HP5 , 1000 ug per mL OTP
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0015.RAW
Date & Time Acquired: 1/8/2021 8:42:33 PM
Method File: G:\Org\HP5\Methods\DS_8015-HA-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.594	200.	985.204	492.6	-
*1-Chlorooctadecane	13.4	200.	.022	.01	-

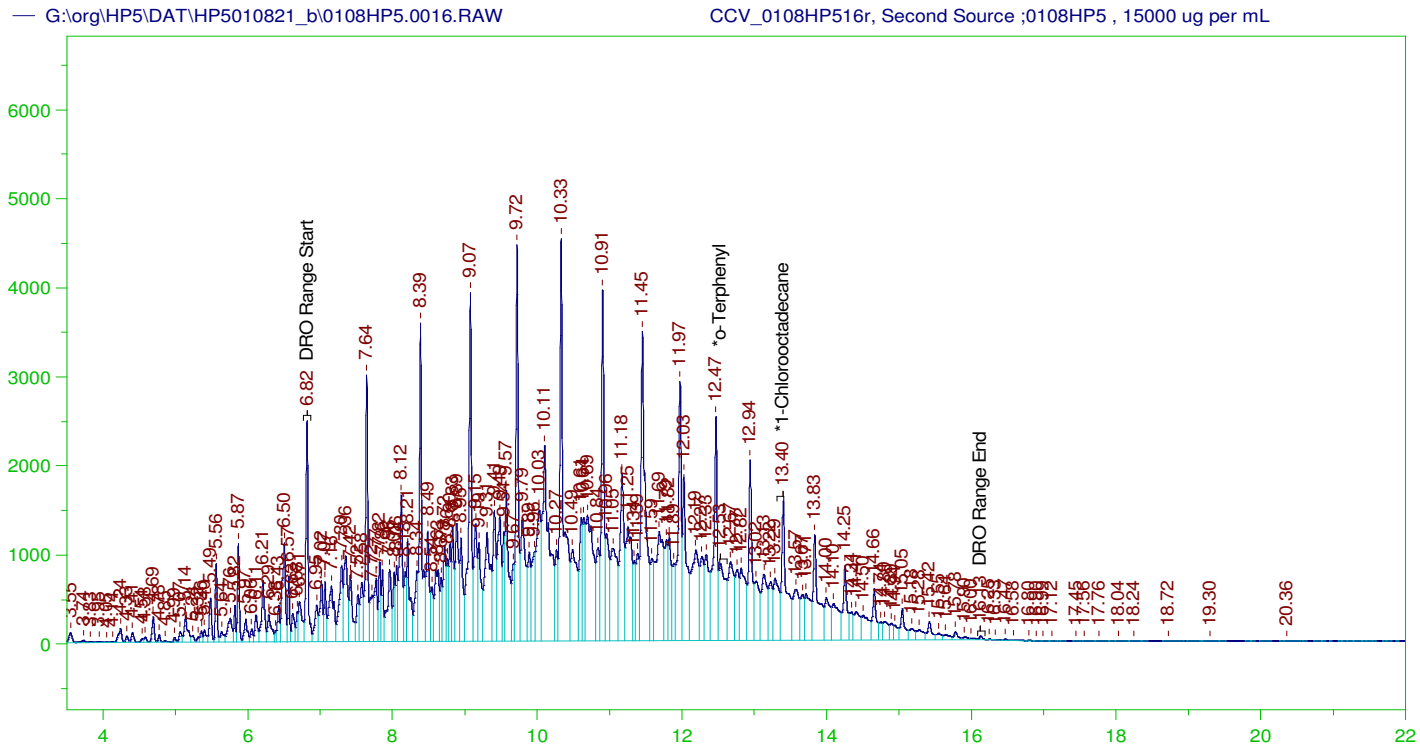
DRO Area:856596.9 DRO Amount: 29.07924
TEH Area:1371563 TEH Amount: 46.561

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0015.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	46.56	.31	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.594	200.	985.204	492.6	85-115
*1-Chlorooctadecane	13.4	200.	.022	.01	85-115

G:\org\HP5\dat\HP5010821_b\Review\015_CCV_0108HP510r_DS_8015-HA-L#.xls



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0108HP516r, Second Source ;0108HP5 , 15000 ug per mL
Raw File: G:\org\HP5\DAT\HP5010821_b\0108HP5.0016.RAW
Date & Time Acquired: 1/8/2021 9:25:08 PM
Method File: G:\Org\HP5\Methods\DC_8015-HA-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.77 to 16.19

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.532	200.	148.336	74.17	-
*1-Chlorooctadecane	13.398	200.	200.158	100.08	-

DRO Area:4.138122E+08 DRO Amount: 14047.85
TEH Area:4.4015E+08 TEH Amount: 14941.95

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010821_b\0108HP5.0016.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	14941.95	99.61	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.532	200.	148.336	74.17	85-115
*1-Chlorooctadecane	13.398	200.	200.158	100.08	85-115

G:\org\HP5\dat\HP5010821_b\Review\016_CCV_0108HP516r_DC_8015-HA-L%.xls

Write Sequence Data File	Insert Entries(Have the first cell for entries selected) Sample Name	Method	Weight	Dil Factor	Amt Inj..	IS	Cal ID	Manual Integration
G:\org\HP5\DAT\HP5010821_b\0108HP5.04r	CCV_0108HP504r, DRO ;0108HP5 , DRO201215A	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0	Integration is valley to valley. Assigned Set Baseline All Valley on at 17.5.
G:\org\HP5\DAT\HP5010821_b\0108HP5.05r	DCM-Baseline Check-V05	G:\Org\HP5\Methods\DR_8015-GX-LEXP.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5010821_b\0108HP5.06r	CCV_0108HP511r, CAL1 ;0108HP5 , 150 ug per mL Diesel (20 uL of Cal3 + 980 uL DCM(13322), then 100 uL of that + 100 uL of DCM (13322))	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.5
G:\org\HP5\DAT\HP5010821_b\0108HP5.07r	CCV_0108HP512r, CAL2 ;0108HP5 , 3750 ug per mL Diesel (100 uL Cal4 + 900 uL of DCM(13322)	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.5
G:\org\HP5\DAT\HP5010821_b\0108HP5.08r	CCV_0108HP513r, CAL3 ;0108HP5 , 15000 ug per mL Diesel (300 uL of DRO20917B + 700 uL DCM(13322)	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.5
G:\org\HP5\DAT\HP5010821_b\0108HP5.09r	CCV_0108HP514r, CAL4 ;0108HP5 , 37500ug per mL Diesel (750 uL of DRO20917B + 250 uL DCM(13322)	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.5
G:\org\HP5\DAT\HP5010821_b\0108HP5.10r	CCV_0108HP515r, CAL5 ;0108HP5 , 50000 ug per mL Diesel (200 uL of DRO20917B)	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.5
G:\org\HP5\DAT\HP5010821_b\0108HP5.11r	CCV_0108HP506r, CAL1 ;0108HP5 , 2 ug per mL OTP (10 uL of Cal3 + 990 uL DCM(13322)	G:\Org\HP5\Methods\DS_8015-HA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.4 and slightly after the surrogate peak at 12.66 and scaling showing surrogaete peak from 12-14.
G:\org\HP5\DAT\HP5010821_b\0108HP5.12r	CCV_0108HP507r, CAL2 ;0108HP5 , 50 ug per mL OTP (100 uL Cal4 + 900 uL of DCM(13322)	G:\Org\HP5\Methods\DS_8015-HA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.4 and slightly after the surrogate peak at 12.66 and scaling showing surrogaete peak from 12-14.
G:\org\HP5\DAT\HP5010821_b\0108HP5.13r	CCV_0108HP508r, CAL3 ;0108HP5 , 200 ug per mL OTP (100uL of Cal5 + 400 uL DCM(13322)	G:\Org\HP5\Methods\DS_8015-HA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.4 and slightly after the surrogate peak at 12.66 and scaling showing surrogaete peak from 12-14.
G:\org\HP5\DAT\HP5010821_b\0108HP5.14r	CCV_0108HP509r, CAL4 ;0108HP5 , 500 ug per mL OTP (250uL of Cal5 + 250 uL DCM(13322)	G:\Org\HP5\Methods\DS_8015-HA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.4 and slightly after the surrogate peak at 12.66 and scaling showing surrogaete peak from 12-14.
G:\org\HP5\DAT\HP5010821_b\0108HP5.15r	CCV_0108HP510r, CAL5 ;0108HP5 , 1000 ug per mL OTP (250 uL 4000 ug/mL OTP DRO210105B + 750 DCM(13322)	G:\Org\HP5\Methods\DS_8015-HA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.4 and slightly after the surrogate peak at 12.66 and scaling showing surrogaete peak from 12-14.
G:\org\HP5\DAT\HP5010821_b\0108HP5.16r	CCV_0108HP516r, Second Source ;0108HP5 , 15000 ug per mL (100uL of DRO201210A + 900uL DCM(13322)	G:\Org\HP5\Methods\DC_8015-HA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.5

Ann Nebel

Digitally signed by
Ann Nebel
Date: 2021.01.27 15:17:17 -07:00

PREP BATCH REPORT

Prep Code: **HC-3520-DRO** Technician: **Aloysia L. Noble** Prep Start Date: **4/28/2021 11:46:01 A**

Prep Batch **154879** Prep Temp **NA °C** Batch Units: **ML** Prep End Date: **4/29/2021 3:00:00 PM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
MB-154879			1000	0	0	1.00	0.001		4/28/2021	4/29/2021
Start time:11:58AM, 4/28/2021. Start time:7:48 AM, 4/29/2021.										
LCS-154879			1000	0	0	1.00	0.001		4/28/2021	4/29/2021
AMN helped set up, blow down and bottle samples. The bottles were used in entirety and disposed of unless otherwise stated.										
B21041926-001A	Aqueous	7-2	1050	0	0	5.10	0.00486		4/28/2021	4/29/2021
Bottle 2/2, odor, oil layer, DCM turned yellow, turbid, light sediment.										
B21041948-001D	Aqueous	2	950	0	0	3.00	0.00316		4/28/2021	4/29/2021
Bottle 1/2; turbid, light sediment, DCM turned yellow. Blew down to 2 mL bottled to 3 mL										
B21041962-001D	Aqueous	2	1000	0	0	1.00	0.001		4/28/2021	4/29/2021
Bottle 2/2: clear, no sediment.										
B21041962-001DMS	Aqueous	2	495	0	0	1.00	0.00202		4/28/2021	4/29/2021
Bottle 1/2: clear, no sediment.										
B21041962-001DMSD	Aqueous	2	495	0	0	1.00	0.00202		4/28/2021	4/29/2021
Bottle 1/2: clear, no sediment.										
B21042016-001A	Drinking Water	2	1030	0	0	1.00	0.000971		4/28/2021	4/29/2021
Bottle 1/1: clear, no sediment.										
B21042016-002A	Drinking Water	2	1010	0	0	1.00	0.00099		4/28/2021	4/29/2021
Bottle 1/1: clear, no sediment.										

Number	Reagent Name	Exp Date	A
11	Carbon Filter Water	1/1/2023	
13019	Sulfuric Acid 2020050559	5/1/2022	
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
13378	PTFE Boiling Stones 27089119	12/30/2025	
13685	4ML, Amber Vial, 24159010	3/23/2026	
13774	Dichloromethane EA651	1/8/2023	

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
DRO210105A	OTP/COD SURR 2000 ug/mL	all	100ul	9/30/2024
FP210428 13301	DCM RINSED FILTER PAPER	all	1	7/22/2021
Sulfate 04/29/21 (	Baked Sodium Sulfate	all	Varies	3/22/2026
DRO210405B	#2 Diesel in Acetone 150,000 ug/m	LCS, MS, MSD	100ul	11/5/2023

Energy Laboratories Inc

ANALYTICAL RUN Summary

30-Apr-21

Run ID GCFID-HP5-B_210429A

Run Start Date: 4/29/2021
Analyst: Ann Nebel
Ical:
Column ID:
Comments: DRO-8015-ICAL information is in Index GCFID-HP5-B_210108C

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
DRO210402A	Carbon Scan STD					MARKER	3/5/2028
DRO210405E	8015 CCV-15,000ug/mL + 200 OTP					CCV	4/30/2023
DRO210405F	ALASKA MARKER-200ug/mL					MARKER	9/30/2021

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346718	Marker_0429HP	HC-8015-DRO-	SAMP		4/29/2021 3:22:5	1	R360002		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (DRO)	A	mg/L		3.204796		0	0	0	0.15	0.3	50	0%	0	0	0%	
Total Extractable Hydrocarbons	A	mg/L		3.918834		0	0	0	0.15	0.3	50	0%	0	0	0%	
o-Terphenyl	S	mg/L		0.2132221		0.2	0	0	0.002	0.002	0	107%	50	150	0%	
Diesel Range Organics (C10 to C24)	X	mg/L		3.204796		0	0	0	0.15	0.3	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346719	CCV_0429HP50	HC-8015-DRO-	CCV		4/29/2021 4:05:0	1	R360002		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		16.42274		15	0	0	0.15	0.3	50	109%	80	120	0%	
o-Terphenyl	S	mg/L		0.2004252		0.2	0	0	0.002	0.002	0	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346720	LCS-154879	HC-8015-DRO-	LCS-DOD		4/29/2021 5:30:0	1	154879	4/28/2021 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346720	LCS-154879	HC-8015-DRO-	LCS-DOD		4/29/2021 5:30:0	1	154879	4/28/2021 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (DRO)	A	mg/L		12.93653		15	0	0	0.15	0.3	50	86%	36	132	0%	
Total Extractable Hydrocarbons	A	mg/L		13.48021		15	0	0	0.15	0.3	50	90%	60	132	0%	
o-Terphenyl	S	mg/L		0.1859939		0.2	0	0	0.002	0.002	0	93%	56	125	0%	
Diesel Range Organics (C10 to C24)	X	mg/L		12.93653		15	0	0	0.15	0.3	0	86%	36	132	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346721	MB-154879	HC-8015-DRO-	MBLK		4/29/2021 6:12:2	1	154879	4/28/2021 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C10 to C25 Hydrocarbons	A	mg/L		0		0	0	0	0.15	0.3	0	0%	0	0	0%	
C8 to C18 Hydrocarbons	A	mg/L		0		0	0	0	0.15	0.3	0	0%	0	0	0%	
Diesel Range Organics (DRO)	A	mg/L		0		0	0	0	0.15	0.3	50	0%	0	0	0%	
Total Extractable Hydrocarbons	A	mg/L		0		0	0	0	0.15	0.3	50	0%	0	0	0%	
o-Terphenyl	S	mg/L		0.2002569		0.2	0	0	0.002	0.002	0	100%	50	150	0%	
Diesel Range Organics (C10 to C24)	X	mg/L		0		0	0	0	0.15	0.3	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346722	B21042016-001	HC-8015-DRO-	SAMP		4/29/2021 6:54:3	1	154879	4/28/2021 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C10 to C25 Hydrocarbons	A	mg/L		0		0	0	0	0.0377719	0.3	0	0%	0	0	0%	U
C8 to C18 Hydrocarbons	A	mg/L		0		0	0	0	0.0484529	0.3	0	0%	0	0	0%	U
o-Terphenyl	S	mg/L		0.1864017		0.1942	0	0	0.0005146	0.002	0	96%	50	150	0%	
Diesel Range Organics (DRO)	X	mg/L		0		0	0	0	0.14565	0.3	50	0%	0	0	0%	
Total Extractable Hydrocarbons	X	mg/L		0		0	0	0	0.14565	0.3	50	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346723	B21042016-002	HC-8015-DRO-	SAMP		4/29/2021 7:36:4	1	154879	4/28/2021 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C10 to C25 Hydrocarbons	A	mg/L		0		0	0	0	0.038511	0.297	0	0%	0	0	0%	U
C8 to C18 Hydrocarbons	A	mg/L		0		0	0	0	0.049401	0.297	0	0%	0	0	0%	U
o-Terphenyl	S	mg/L		0.2116572		0.198	0	0	0.0005247	0.002	0	107%	50	150	0%	
Diesel Range Organics (C10 to C24)	X	mg/L		0		0	0	0	0.1485	0.3	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346723	B21042016-002	HC-8015-DRO-	SAMP		4/29/2021 7:36:4	1	154879	4/28/2021 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (DRO)	X	mg/L		0		0	0	0	0.1485	0.3	50	0%	0	0	0%	
Total Extractable Hydrocarbons	X	mg/L		0		0	0	0	0.1485	0.3	50	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346741	B21041962-001	HC-8015-DRO-	MS-DOD		4/29/2021 9:00:4	1	154879	4/28/2021 1	1E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (DRO)	A	mg/L		38.53699		30.3	11.76398	0	0.078578	0.606	50	88%	36	132	0%	
Total Extractable Hydrocarbons	A	mg/L		44.56186		30.3	16.50211	0	0.100798	0.606	50	93%	60	132	0%	
o-Terphenyl	S	mg/L		0.3471743		0.404	0	0	0.0010706	0.00404	0	86%	56	125	0%	
Diesel Range Organics (C10 to C24)	X	mg/L		38.53699		30.3	11.76398	0	0.303	0.606	0	88%	36	132	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346742	B21041962-001	HC-8015-DRO-	MSD-DOD		4/29/2021 9:42:4	1	154879	4/28/2021 1	1E+07	1E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (DRO)	A	mg/L		42.15871		30.3	11.76398	38.53699	0.078578	0.606	50	100%	36	132	9%	
Total Extractable Hydrocarbons	A	mg/L		48.76251		30.3	16.50211	44.56186	0.100798	0.606	50	106%	60	132	9%	
o-Terphenyl	S	mg/L		0.3848919		0.404	0	0	0.0010706	0.00404	0	95%	56	125	0%	
Diesel Range Organics (C10 to C24)	X	mg/L		42.15871		30.3	11.76398	38.53699	0.303	0.606	0	100%	36	132	9%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346743	B21041962-001	HC-8015-DRO-	SAMP		4/29/2021 11:06:	1	154879	4/28/2021 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (DRO)	A	mg/L		11.76398		0	0	0	0.0389	0.3	50	0%	0	0	0%	
Total Extractable Hydrocarbons	A	mg/L		16.50211		0	0	0	0.0499	0.3	50	0%	0	0	0%	
o-Terphenyl	S	mg/L		0.1785314		0.2	0	0	0.00053	0.002	0	89%	50	150	0%	
Diesel Range Organics (C10 to C24)	X	mg/L		11.76398		0	0	0	0.15	0.3	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346744	Marker_0429HP	HC-8015-DRO-	SAMP		4/30/2021 12:31:	1	R360002		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346744	Marker_0429HP	HC-8015-DRO-	SAMP		4/30/2021 12:31:	1	R360002		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (DRO)	A	mg/L		3.398002		0	0	0	0.15	0.3	50	0%	0	0	0%	
Total Extractable Hydrocarbons	A	mg/L		4.15544		0	0	0	0.15	0.3	50	0%	0	0	0%	
o-Terphenyl	S	mg/L		0.22593		0.2	0	0	0.002	0.002	0	113%	50	150	0%	
Diesel Range Organics (C10 to C24)	X	mg/L		3.398002		0	0	0	0.15	0.3	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346745	CCV_0429HP51	HC-8015-DRO-	CCV		4/30/2021 1:13:1	1	R360002		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		17.38637		15	0	0	0.15	0.3	50	116%	80	120	0%	
o-Terphenyl	S	mg/L		0.2112034		0.2	0	0	0.002	0.002	0	106%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346746	B21041948-001	HC-8015-DRO-	SAMP		4/30/2021 2:37:2	50	154879	4/28/2021 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (DRO)	A	mg/L		1294.305		0	0	0	6.1462	47.4	50	0%	0	0	0%	
Total Extractable Hydrocarbons	A	mg/L		1451.67		0	0	0	7.8842	47.4	50	0%	0	0	0%	
o-Terphenyl	S	mg/L		0		0.21	0	0	0.08374	0.316	0	0%	50	150	0%	O
Diesel Range Organics (C10 to C24)	X	mg/L		1294.305		0	0	0	23.7	47.4	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346747	B21041926-001	HC-8015-DRO-	SAMP		4/30/2021 4:01:4	50	154879	4/28/2021 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (DRO)	A	mg/L		3337.174		0	0	0	9.4527	72.9	50	0%	0	0	0%	
Total Extractable Hydrocarbons	A	mg/L		4087.918		0	0	0	12.1257	72.9	50	0%	0	0	0%	
o-Terphenyl	S	mg/L		0		0.1904	0	0	0.12879	0.486	0	0%	50	150	0%	O
Diesel Range Organics (C10 to C24)	X	mg/L		3337.174		0	0	0	36.45	72.9	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346748	Marker_0429HP	HC-8015-DRO-	SAMP		4/30/2021 4:44:0	1	R360002		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

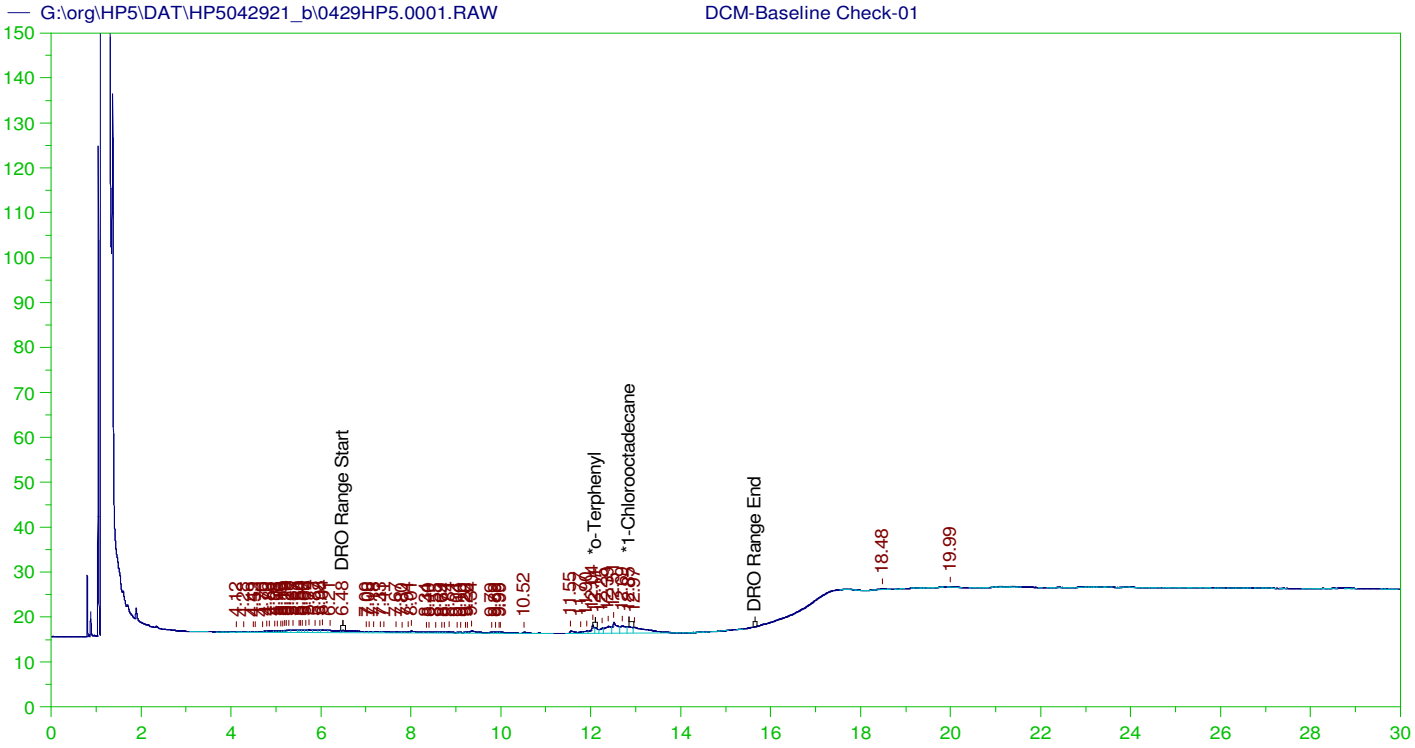
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346748	Marker_0429HP	HC-8015-DRO-	SAMP		4/30/2021 4:44:0	1	R360002		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (DRO)	A	mg/L		3.4045		0	0	0	0.15	0.3	50	0%	0	0	0%	
Total Extractable Hydrocarbons	A	mg/L		4.161153		0	0	0	0.15	0.3	50	0%	0	0	0%	
o-Terphenyl	S	mg/L		0.2264237		0.2	0	0	0.002	0.002	0	113%	50	150	0%	
Diesel Range Organics (C10 to C24)	X	mg/L		3.4045		0	0	0	0.15	0.3	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14346749	CCV_0429HP52	HC-8015-DRO-	CCV		4/30/2021 5:26:1	1	R360002		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		17.2209		15	0	0	0.15	0.3	50	115%	80	120	0%	
o-Terphenyl	S	mg/L		0.2094936		0.2	0	0	0.002	0.002	0	105%	80	120	0%	

Write Sequence Data File	Insert Entries(Have the first cell for entries selecte Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\org\HP5\DAT\HP5042921_b\0429HP5.01r	DCM-Baseline Check-01	G:\Org\HP5\Methods\DR_8015-HG-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.02r	Marker_0429HP502r, CSCAN ;0429HP5 , DRO210402A	g:\org\HP5\Methods\\CSC210429.met	1	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.03r	Marker_0429HP503r, AK DRO ;0429HP5 , DRO210405F	G:\Org\HP5\Methods\DC_8015-HG-L%.met	1	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.04r	CCV_0429HP504r, DRO 8015;0429HP5 , DRO210405E	G:\Org\HP5\Methods\DC_8015-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.05r	DCM-Baseline Check-05	G:\Org\HP5\Methods\DR_8015-HG-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.06r	LCS-154879 ;0429HP5 ,	G:\Org\HP5\Methods\D3_8015-042906-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	1000	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.07r	MB-154879 ;0429HP5 ,	G:\Org\HP5\Methods\DR_8015-HG-L%.met G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met	1000	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.08r	B21042016-001A ;0429HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\DR_8015-HG-L%.met G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met	1030	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.09r	B21042016-002A ;0429HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\DR_8015-HG-L%.met G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met	1000	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.10r	DCM-Baseline Check-10	G:\Org\HP5\Methods\DR_8015-HG-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.11r	B21041962-001DMS ;0429HP5 ,	G:\Org\HP5\Methods\D3_8015-042911-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	495	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.12r	B21041962-001DMSD ;0429HP5 ,	G:\Org\HP5\Methods\D3_8015-042911-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	495	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.13r	DCM-Baseline Check-13	G:\Org\HP5\Methods\DR_8015-HG-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.14r	B21041962-001D ;0429HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\D3_8015-042914-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	1000	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.15r	Marker_0429HP515r, CSCAN ;0429HP5 , DRO210402A	g:\org\HP5\Methods\\CSC210429.met	1	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.16r	Marker_0429HP516r, AK DRO ;0429HP5 , DRO210405F	G:\Org\HP5\Methods\DC_8015-HG-L%.met	1	1	1	1	0
G:\org\HP5\DAT\HP5042921_b\0429HP5.17r	CCV_0429HP517r, DRO 8015;0429HP5 , DRO210405E	G:\Org\HP5\Methods\DC_8015-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	1	1	1	1	0



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

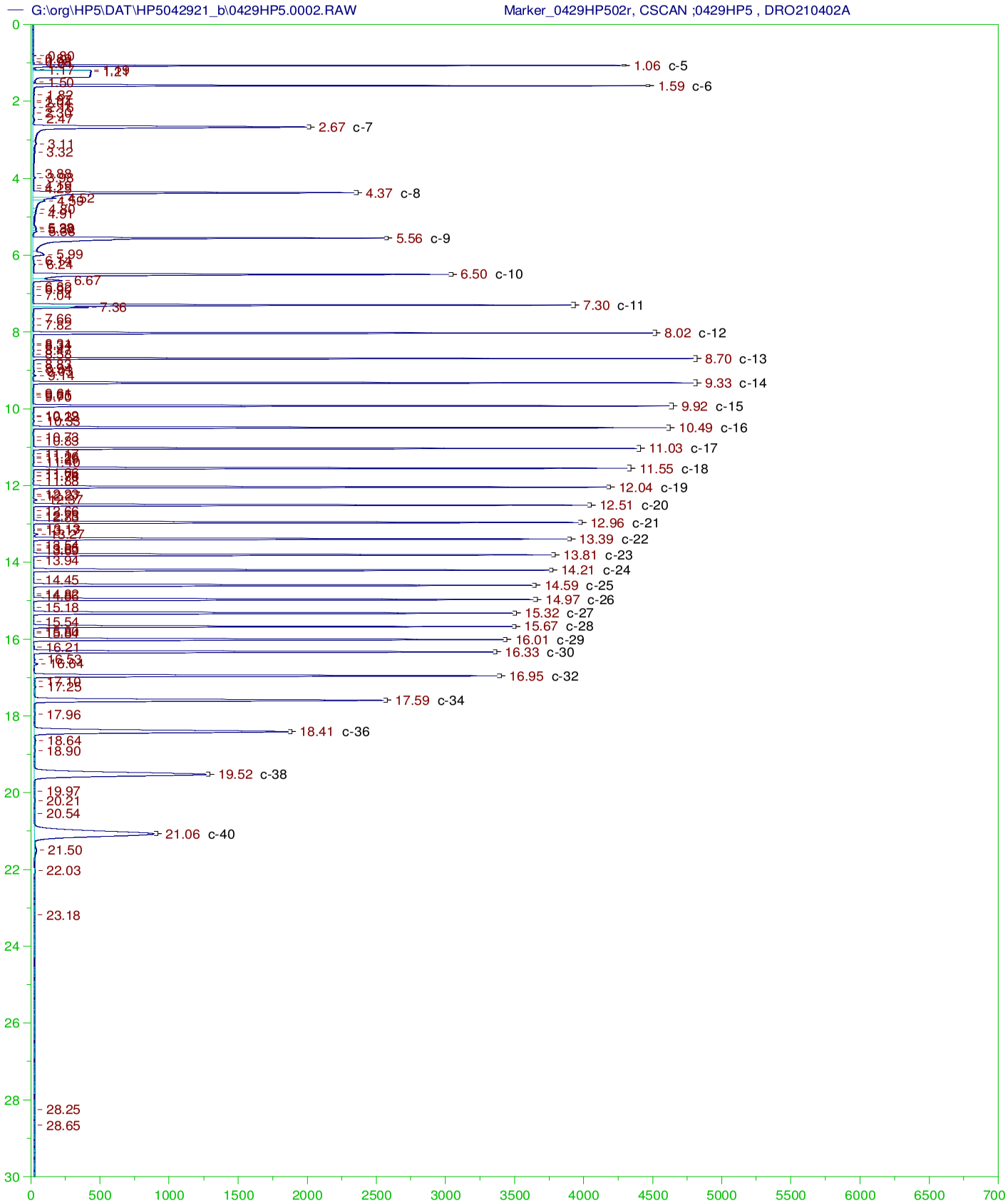
Sample Name: DCM-Baseline Check-01
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0001.RAW
Date & Time Acquired: 4/29/2021 1:58:19 PM
Method File: G:\Org\HP5\Methods\DR_8015-HG-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.106	200.	.172	.09	-
*1-Chlorooctadecane	12.852	200.	.311	.16	-

DRO Area:153958.5 DRO Amount: 5.226492
TEH Area:208607.5 TEH Amount: 7.081682

G:\org\HP5\dat\HP5042921_b\Review\001_DCM-Baseline Chec_DR_8015-HG-LEXP.xls



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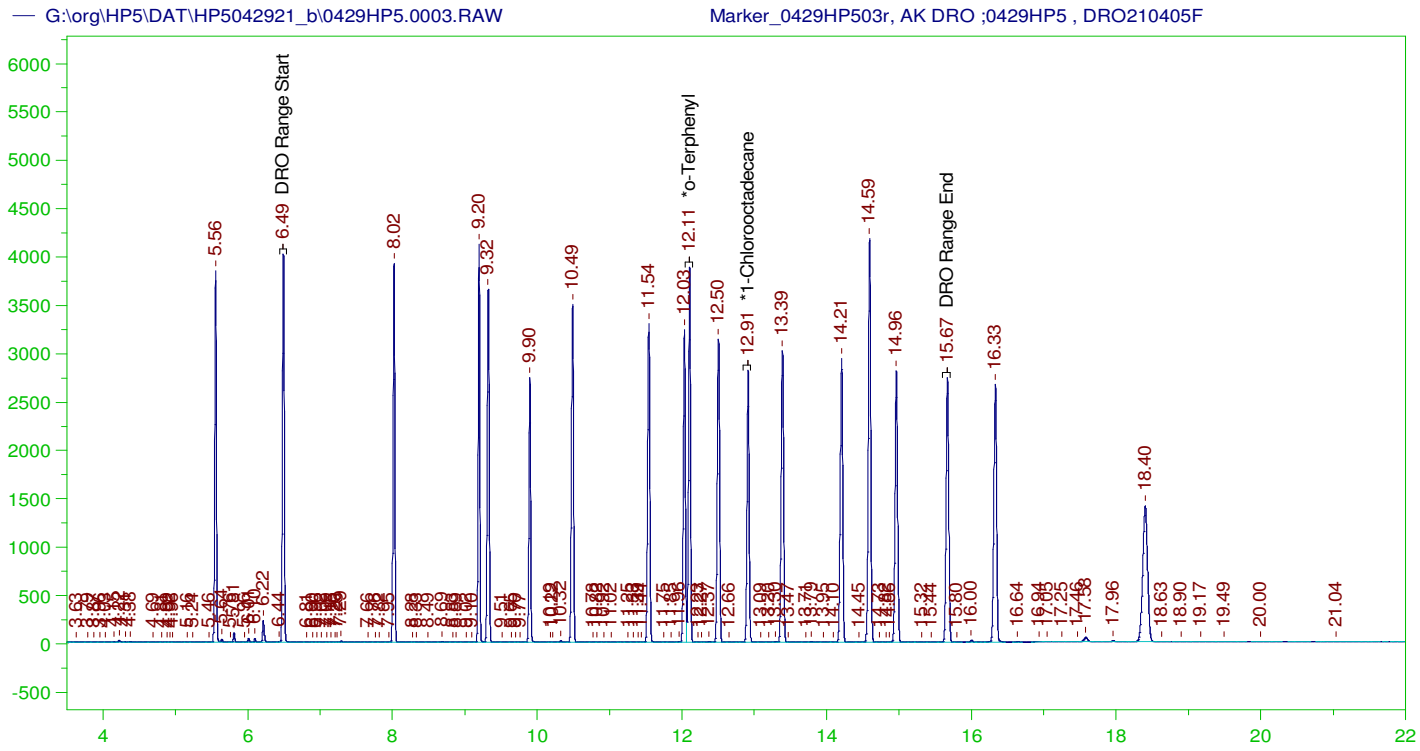


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

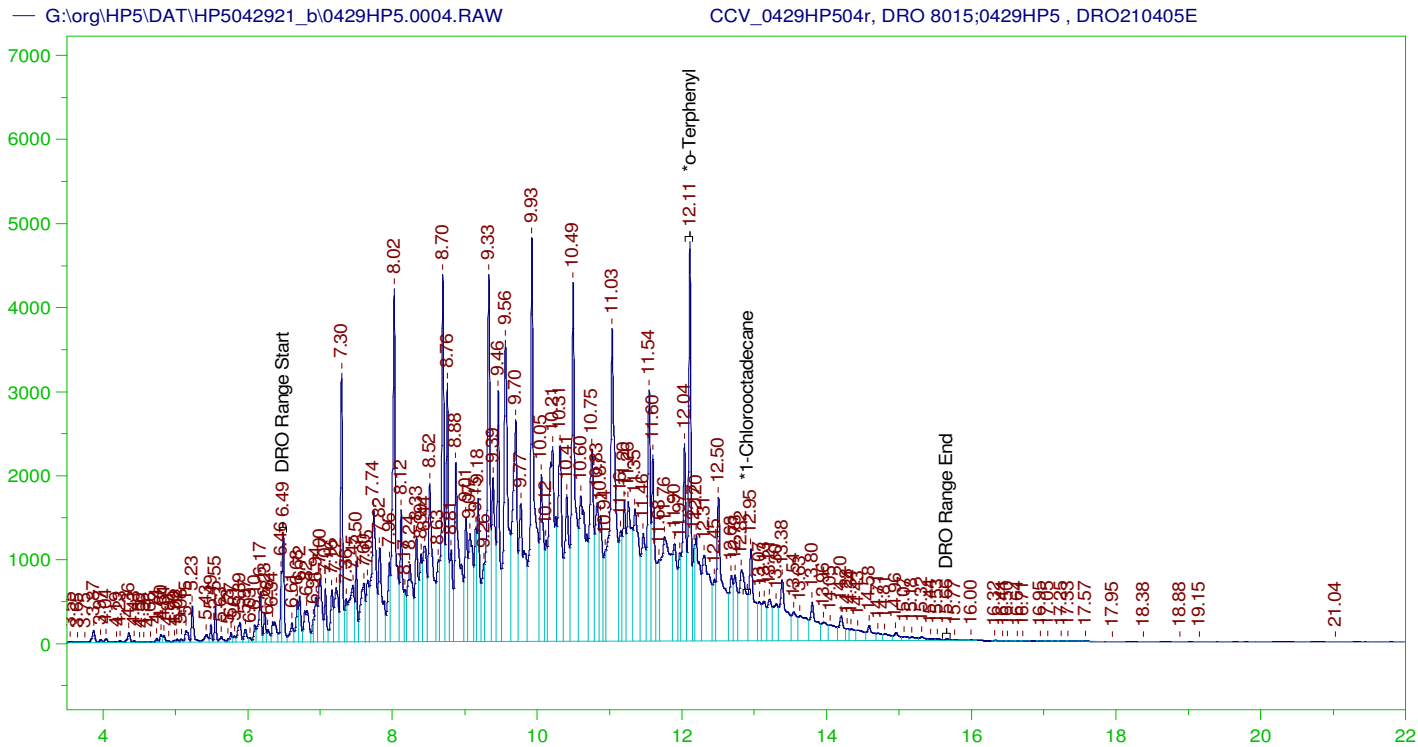
Sample Name: Marker_0429HP503r, AK DRO ;0429HP5 , DRO210405F
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0003.RAW
Date & Time Acquired: 4/29/2021 3:22:52 PM
Method File: G:\Org\HP5\Methods\DC_8015-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.106	.2	.213	106.61	-
*1-Chlorooctadecane	12.914	.2	.17	84.8	-

DRO Area:9.440474E+07 DRO Amount: 3.204796
TEH Area:1.154384E+08 TEH Amount: 3.918834

G:\org\HP5\dat\HP5042921_b\Review\003_Marker_0429HP503r_DC_8015-HG-L%.xls



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0429HP504r, DRO 8015;0429HP5 , DRO210405E
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0004.RAW
Date & Time Acquired: 4/29/2021 4:05:05 PM
Method File: G:\Org\HP5\Methods\DC_8015-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.109	200.	325.468	162.73	-
*1-Chlorooctadecane	29.771	200.	.	.	-

DRO Area:4.726698E+08 DRO Amount: 16045.91
TEH Area:4.837701E+08 TEH Amount: 16422.74

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5042921_b\0429HP5.0004.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	16422.74	109.48	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.109	200.	325.468	162.73	85-115
*1-Chlorooctadecane	29.771	200.	.	.	85-115

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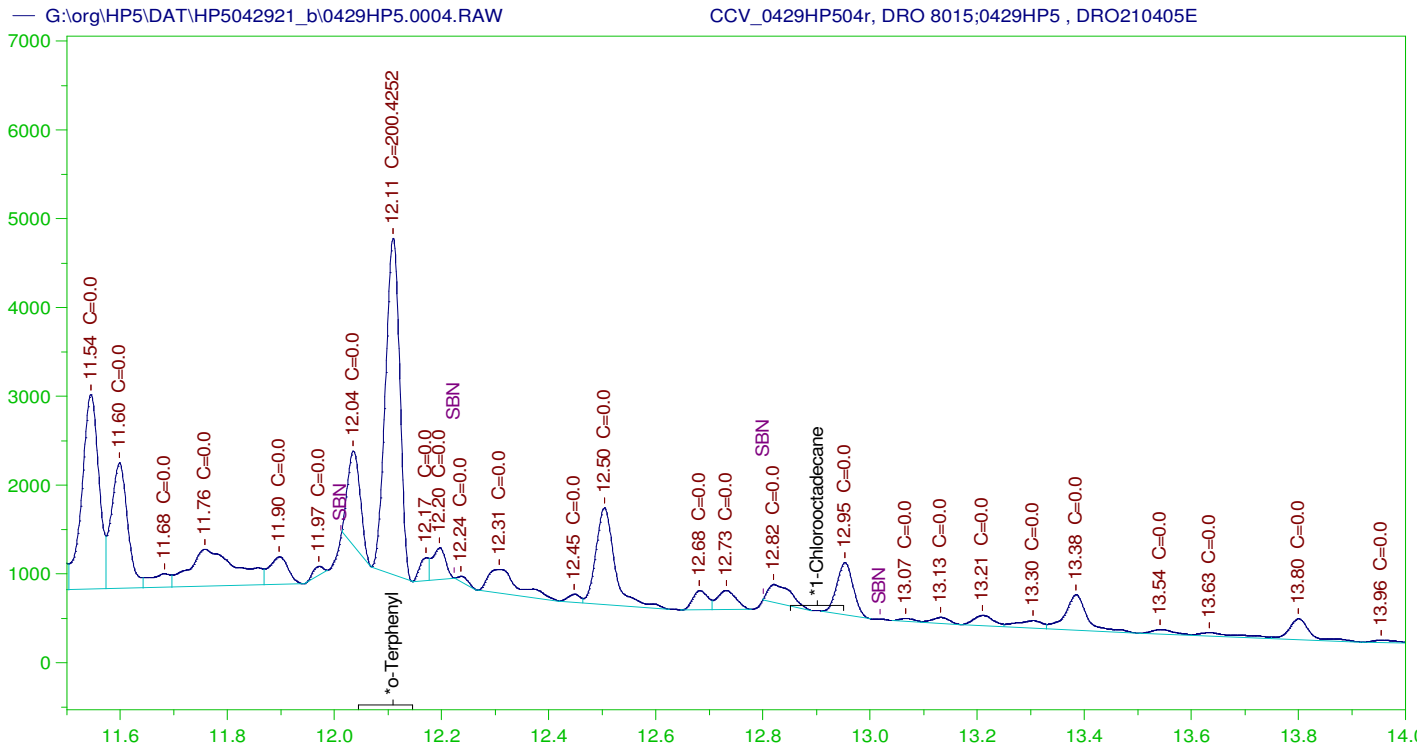

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0429HP504r, DRO 8015;0429HP5 , DRO210405E
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0004.RAW
Date & Time Acquired: 4/29/2021 4:05:05 PM
Method File: G:\Org\HP5\Methods\DS_8015-HG-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.109	200.	200.425	100.21	-
*1-Chlorooctadecane	15.773	200.	.	.	-

DRO Area:2.575924E+08 DRO Amount: 8744.593
TEH Area:2.675195E+08 TEH Amount: 9081.592

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5042921_b\0429HP5.0004.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	9081.59	60.54	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.109	200.	200.425	100.21	85-115
*1-Chlorooctadecane	15.773	200.	.	.	85-115

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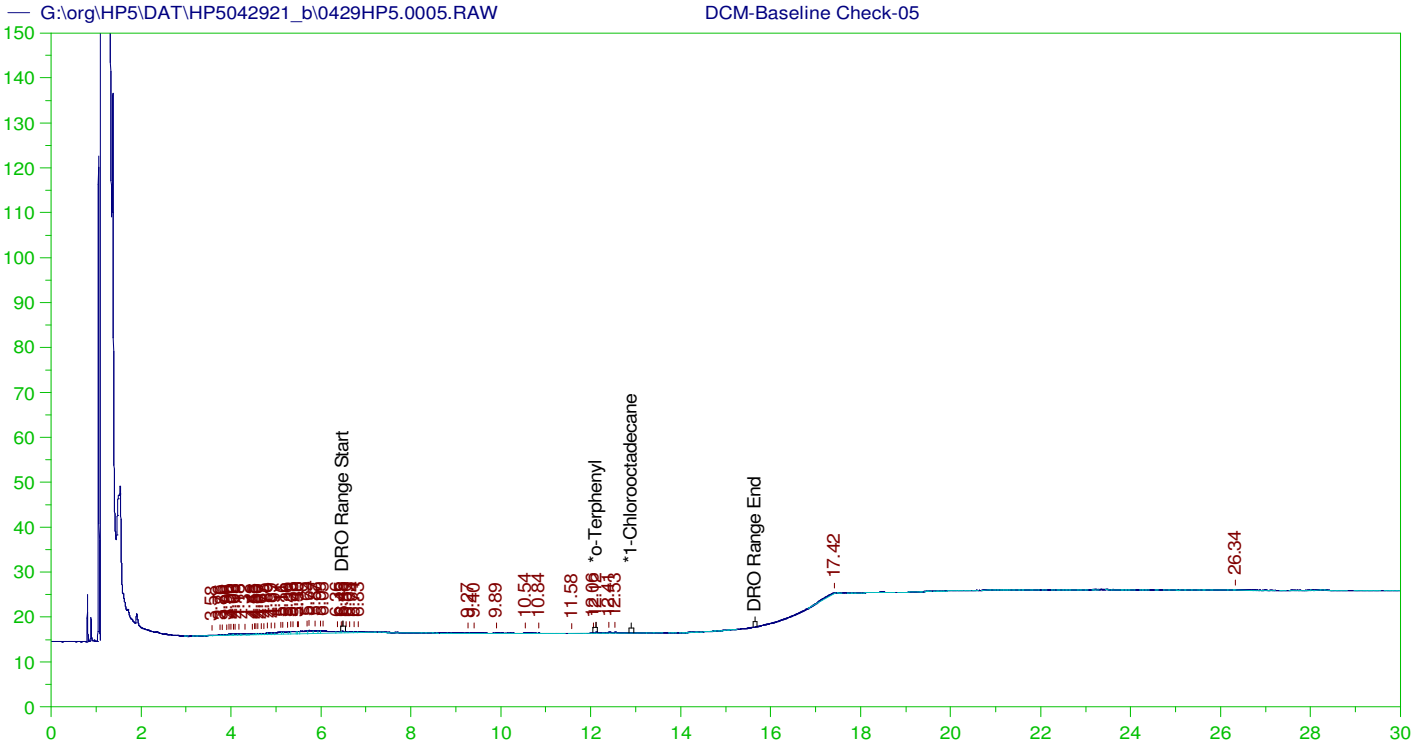

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: DCM-Baseline Check-05
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0005.RAW
Date & Time Acquired: 4/29/2021 4:47:36 PM
Method File: G:\Org\HP5\Methods\DR_8015-HG-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.116	200.	.054	.03	-
*1-Chlorooctadecane	29.944	200.	.	.	-

DRO Area:29058.36 DRO Amount: 0.9864558
TEH Area:109184.6 TEH Amount: 3.706533

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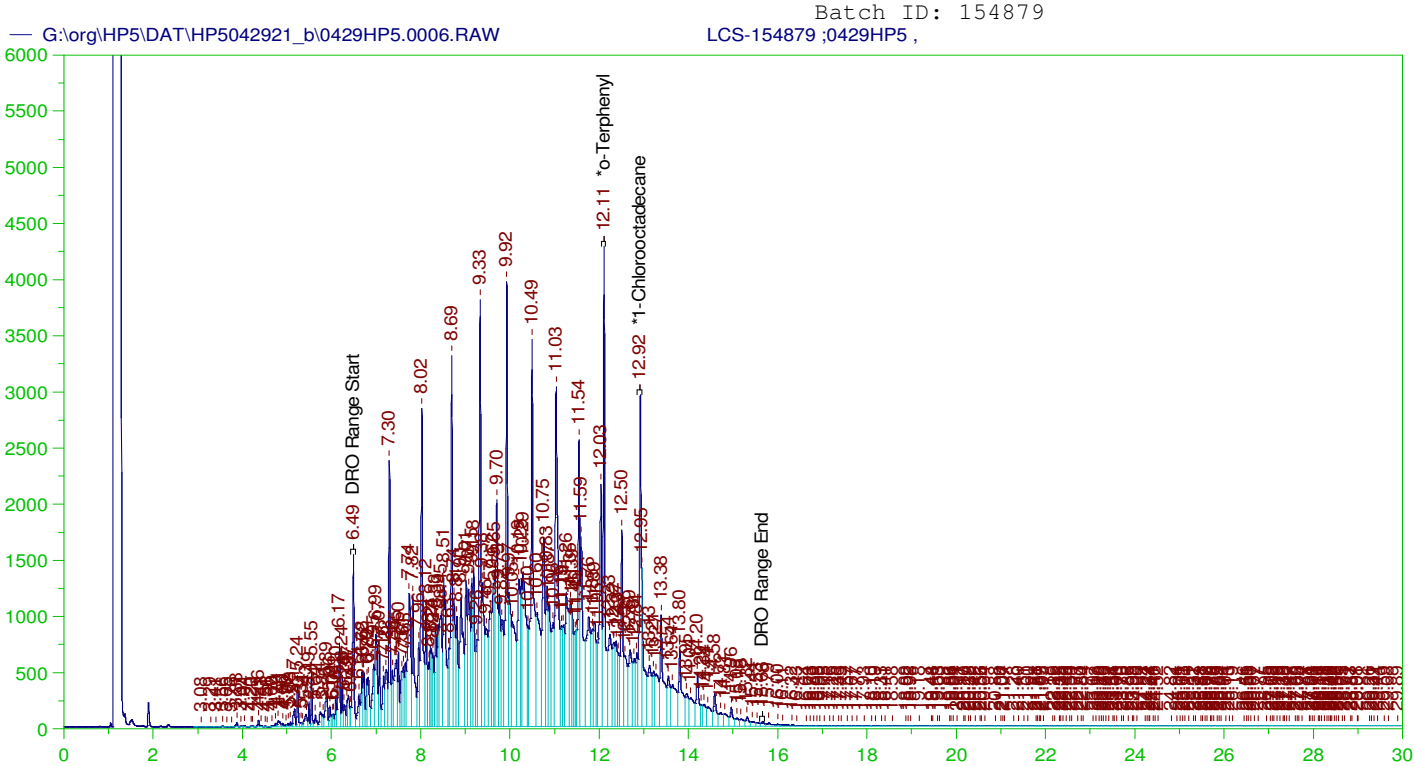
Batch ID: 154879



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS-154879 ;0429HP5 ,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0006.RAW
Date & Time Acquired: 4/29/2021 5:30:01 PM
Method File: G:\Org\HP5\Methods\D3_8015-042906-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.107	.2	.329	164.37	-
*1-Chlorooctadecane	12.916	.2	.232	115.86	-

DRO Area:3.810756E+08 DRO Amount: 12.93653
TEH Area:3.97091E+08 TEH Amount: 13.48021

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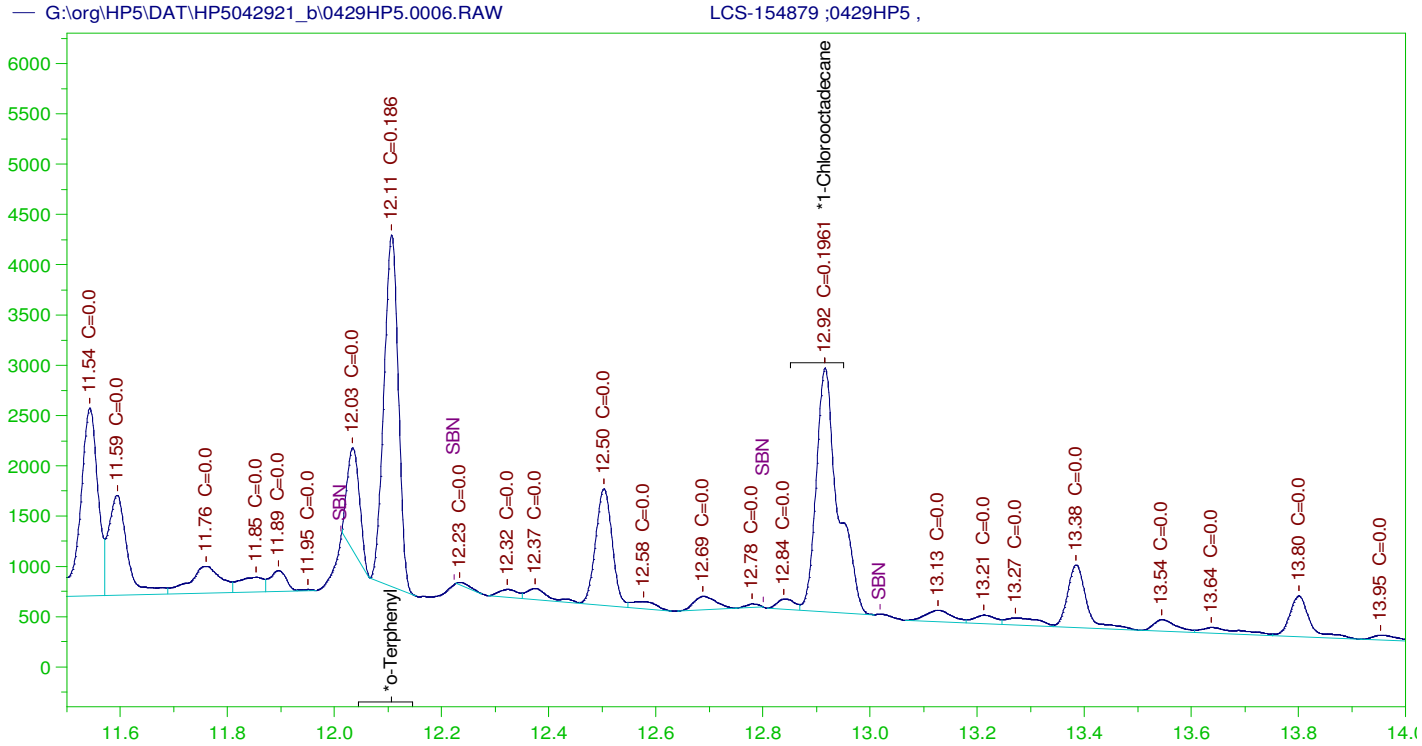

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: LCS-154879 ;0429HP5 ,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0006.RAW
Date & Time Acquired: 4/29/2021 5:30:01 PM
Method File: G:\Org\HP5\Methods\DS_8015-HG-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.107	.2	.186	93.	-
*1-Chlorooctadecane	12.916	.2	.196	98.05	-

DRO Area:1.830867E+08 DRO Amount: 6.215318
TEH Area:1.937385E+08 TEH Amount: 6.576919

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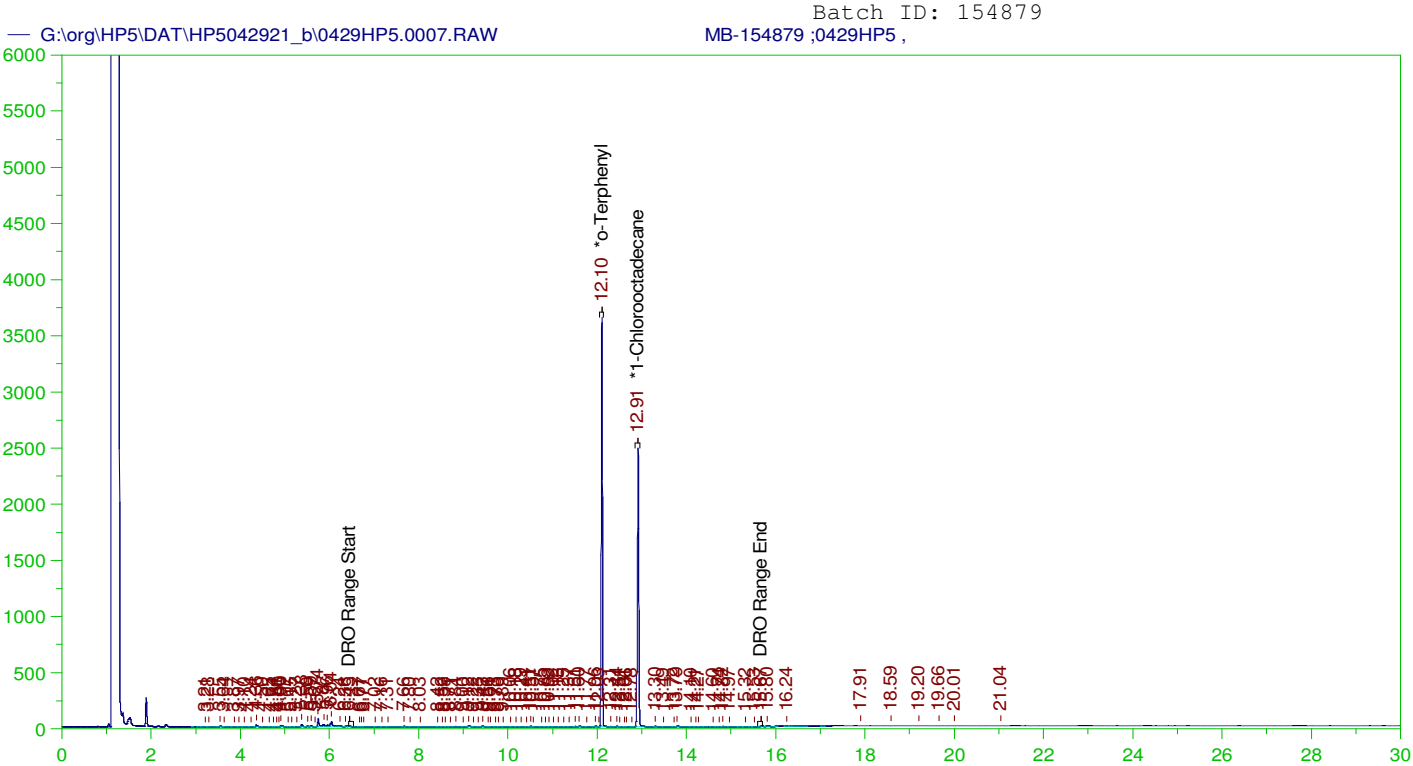

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MB-154879 ;0429HP5 ,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0007.RAW
Date & Time Acquired: 4/29/2021 6:12:21 PM
Method File: G:\Org\HP5\Methods\DR_8015-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.102	.2	.2	100.13	-
*1-Chlorooctadecane	12.912	.2	.153	76.6	-

DRO Area:499798.8 DRO Amount: 1.696687E-02
TEH Area:1323204 TEH Amount: 4.491933E-02

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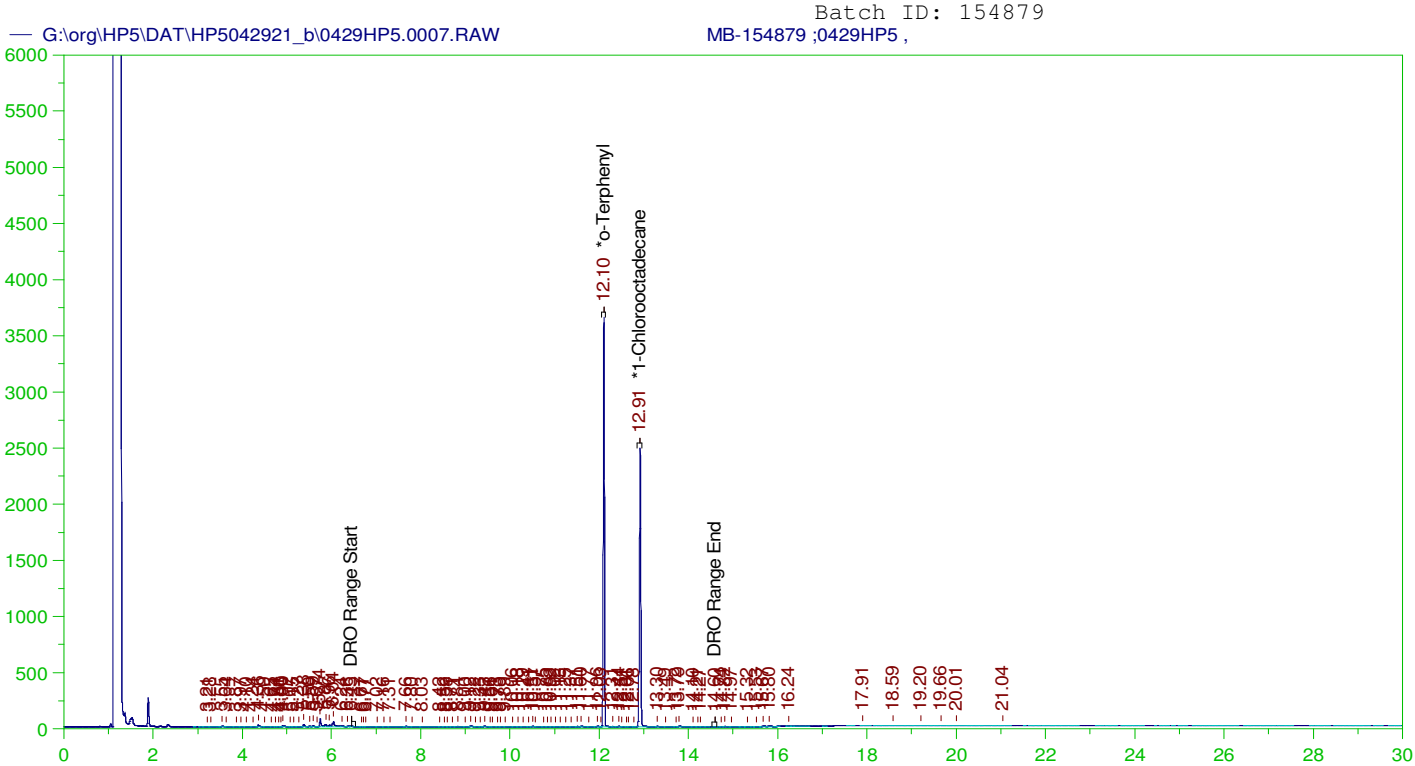

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: MB-154879 ;0429HP5 ,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0007.RAW
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Method File: G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108-C10-C25-HG.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.44 to 14.63

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.102	.2	.2	100.13	-
*1-Chlorooctadecane	12.912	.2	.153	76.6	-

(C10-C25) DRO Area:484737.1 (C10-C25) DRO Amount: 1.645557E-02
TEH Area:1323204 TEH Amount: 4.491933E-02

AMN 04/30/2021

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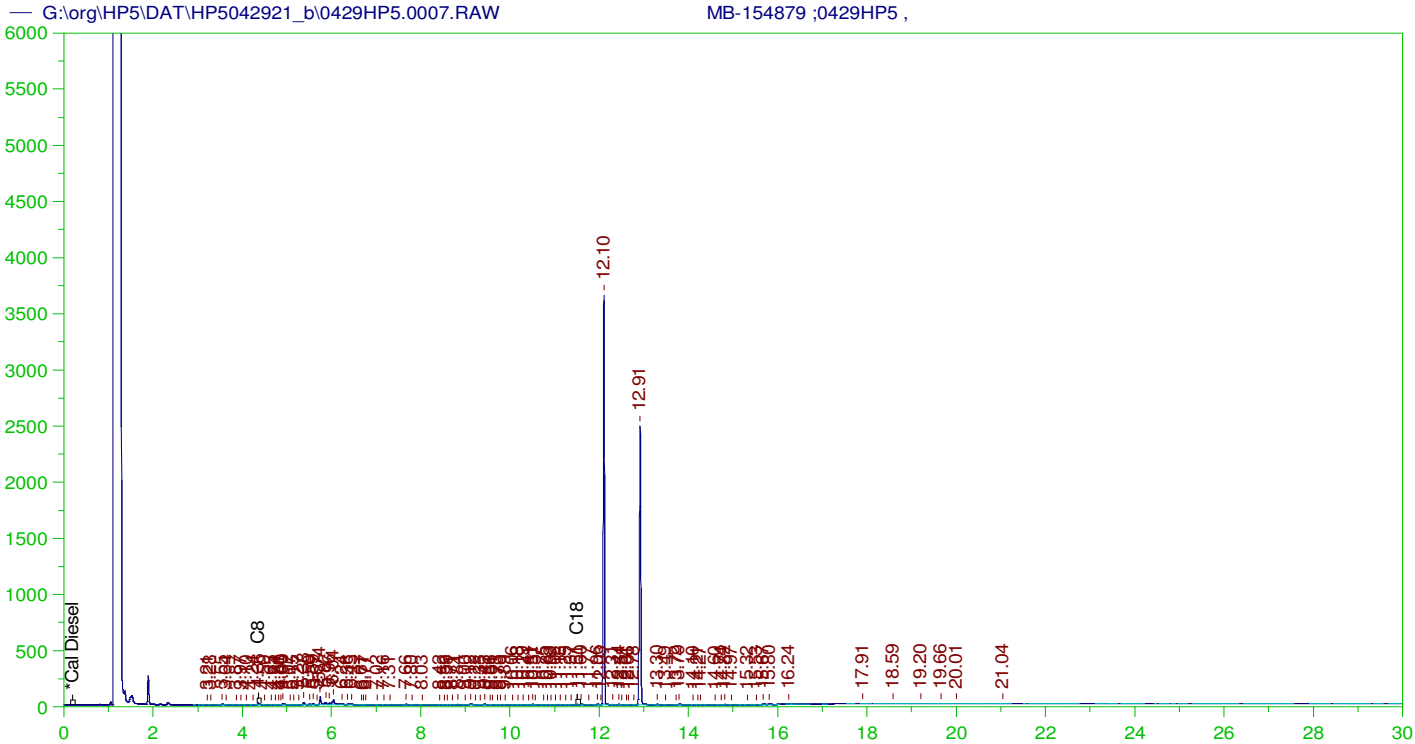

RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: MB-154879 ;0429HP5 ,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0007.RAW
Date & Time Acquired: 4/29/2021 6:12:21 PM
Method File: G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108-C8-C18-HGb.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 29457.33
Rt range for Residual Range Organics: 4.33 to 11.58

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC

~~RRO (C8-C18)~~ Area:1129437 ~~RRO~~ (C8-C18) AMOUNT: 3.834146E-02

AMN 04/30/2021

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BA31078, ERH1355 Batch ID: 154879

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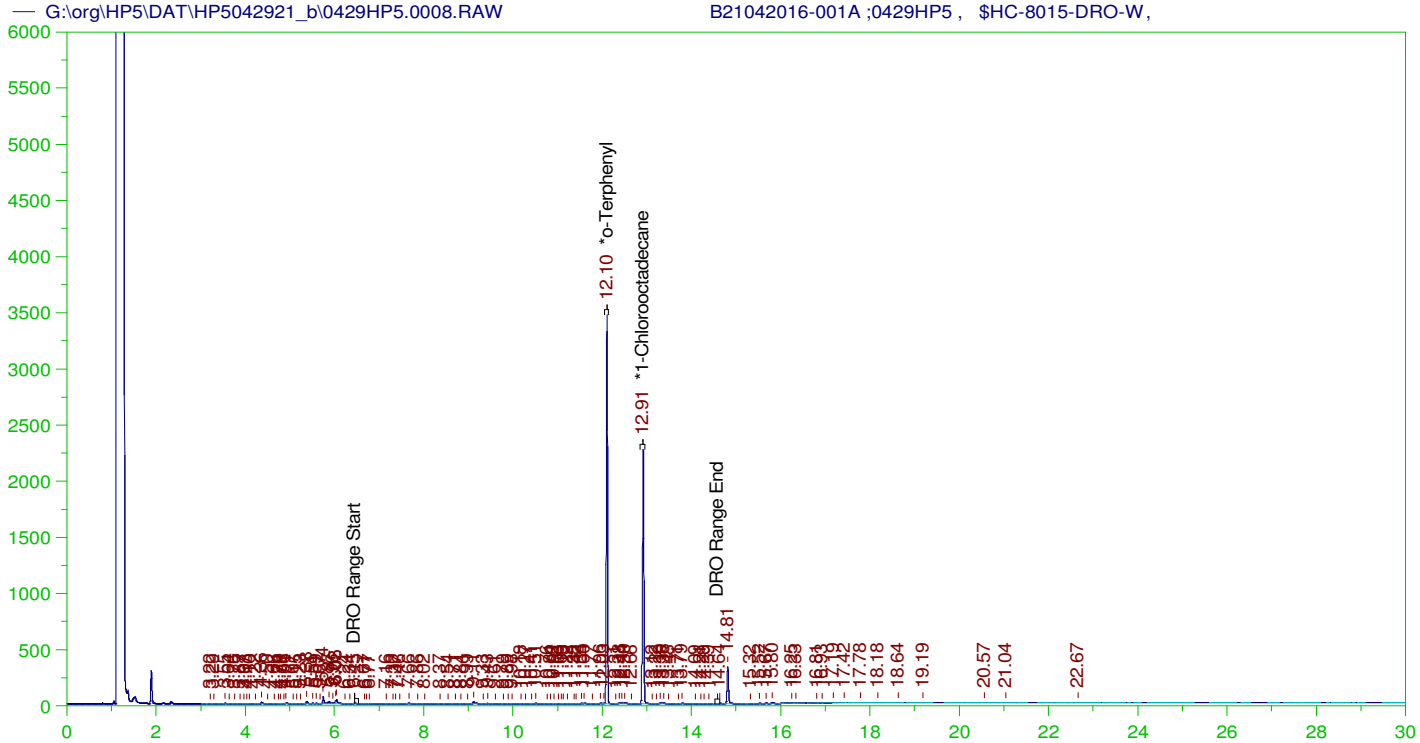

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21042016-001A ;0429HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0008.RAW
Date & Time Acquired: 4/29/2021 6:54:34 PM
Method File: G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108-C10-C25-HG.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.44 to 14.63

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.104	.194	.186	96.	-
*1-Chlorooctadecane	12.914	.194	.135	69.57	-

(C10-C25) DRO Area:484737.1 (C10-C25) DRO Amount: 1.645557E-02
TEH Area:2209234 TEH Amount: 7.281337E-02

AMN 04/30/2021

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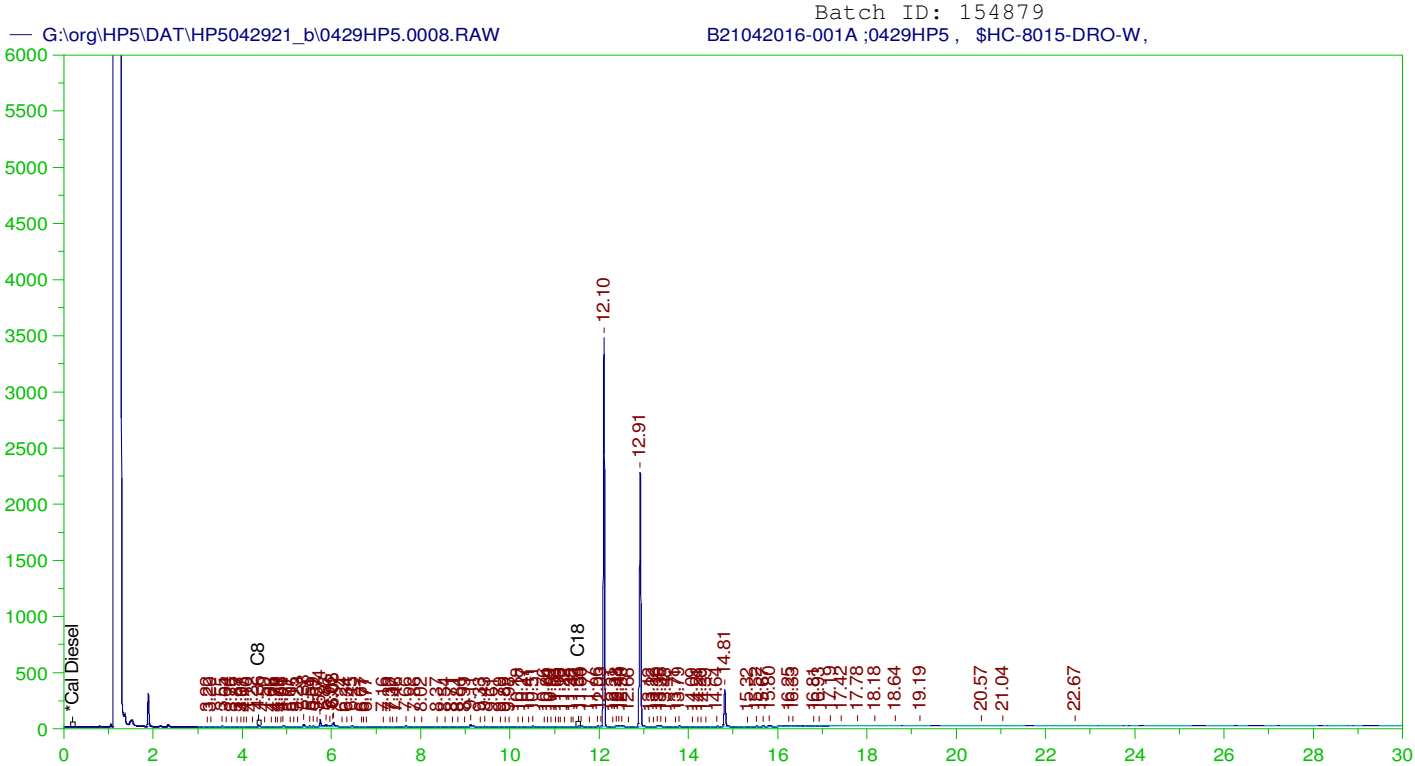
Batch ID: 154879



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B21042016-001A ;0429HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0008.RAW
Date & Time Acquired: 4/29/2021 6:54:34 PM
Method File: G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108-C8-C18-HGb.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 29457.33
Rt range for Residual Range Organics: 4.33 to 11.58

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC

~~RRO (C8-C18)~~ Area:1129437 ~~RRO~~ (C8-C18) AMOUNT: 3.834146E-02

AMN 04/30/2021

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BA31079, ERH1356 Batch ID: 154879

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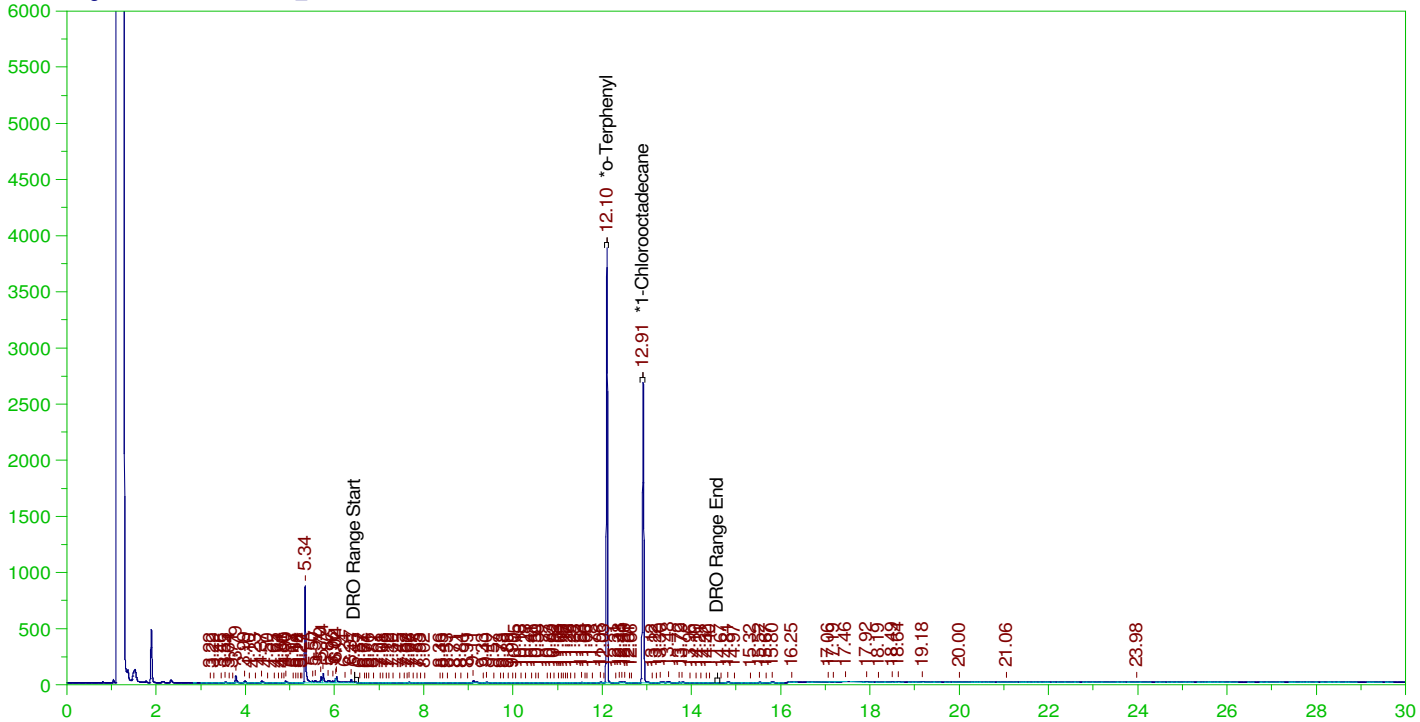

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21042016-002A ;0429HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0009.RAW
Date & Time Acquired: 4/29/2021 7:36:41 PM
Method File: G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108-C10-C25-HG.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.44 to 14.63

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.104	.2	.212	105.83	-
*1-Chlorooctadecane	12.913	.2	.166	82.88	-

(C10-C25) DRO Area:484737.1 (C10-C25) DRO Amount: 1.645557E-02
TEH Area:3758006 TEH Amount: 0.1275745

AMN 04/30/2021

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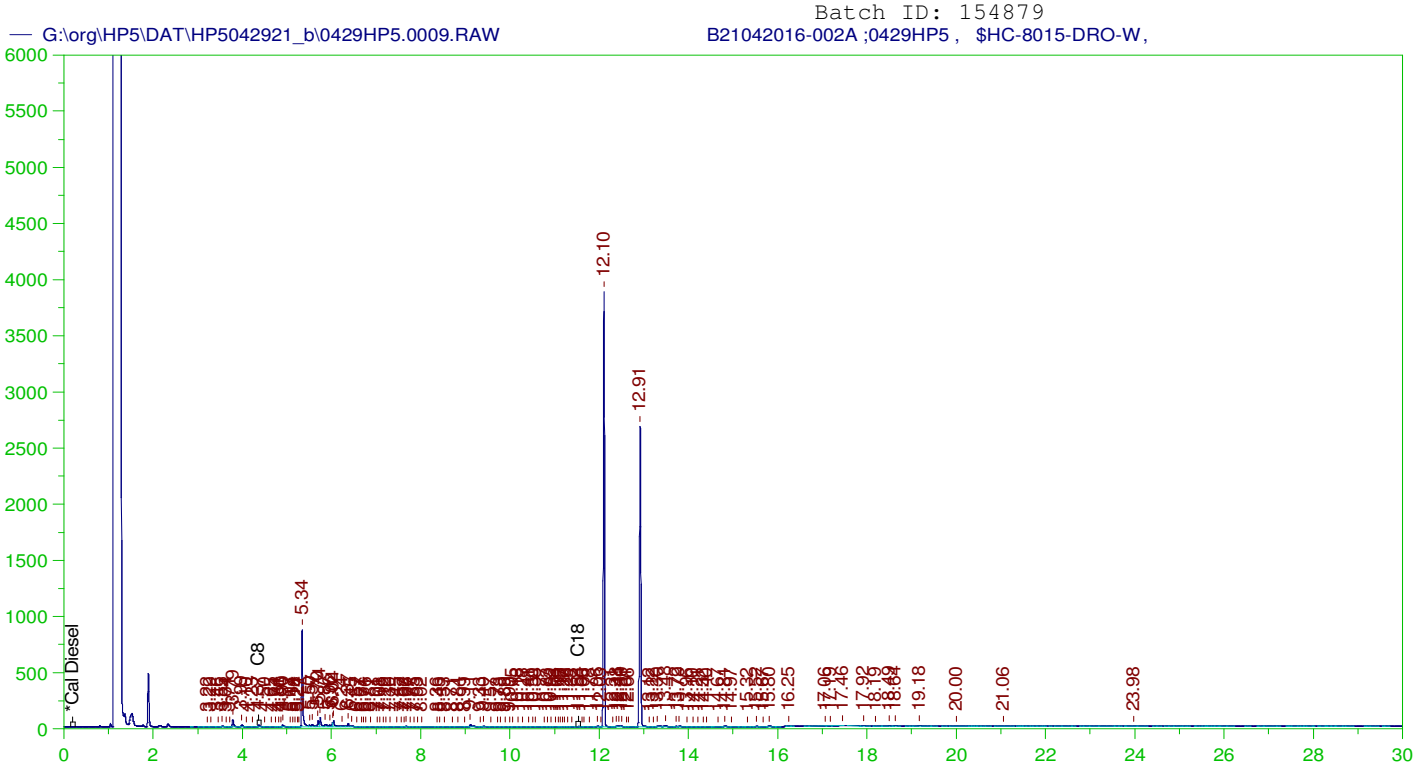
Batch ID: 154879



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B21042016-002A ;0429HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0009.RAW
Date & Time Acquired: 4/29/2021 7:36:41 PM
Method File: G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108-C8-C18-HGb.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 29457.33
Rt range for Residual Range Organics: 4.33 to 11.58

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC

~~RRO (C8-C18)~~ Area:1129437 ~~RRO~~ (C8-C18) AMOUNT: 3.834146E-02

AMN 04/30/2021

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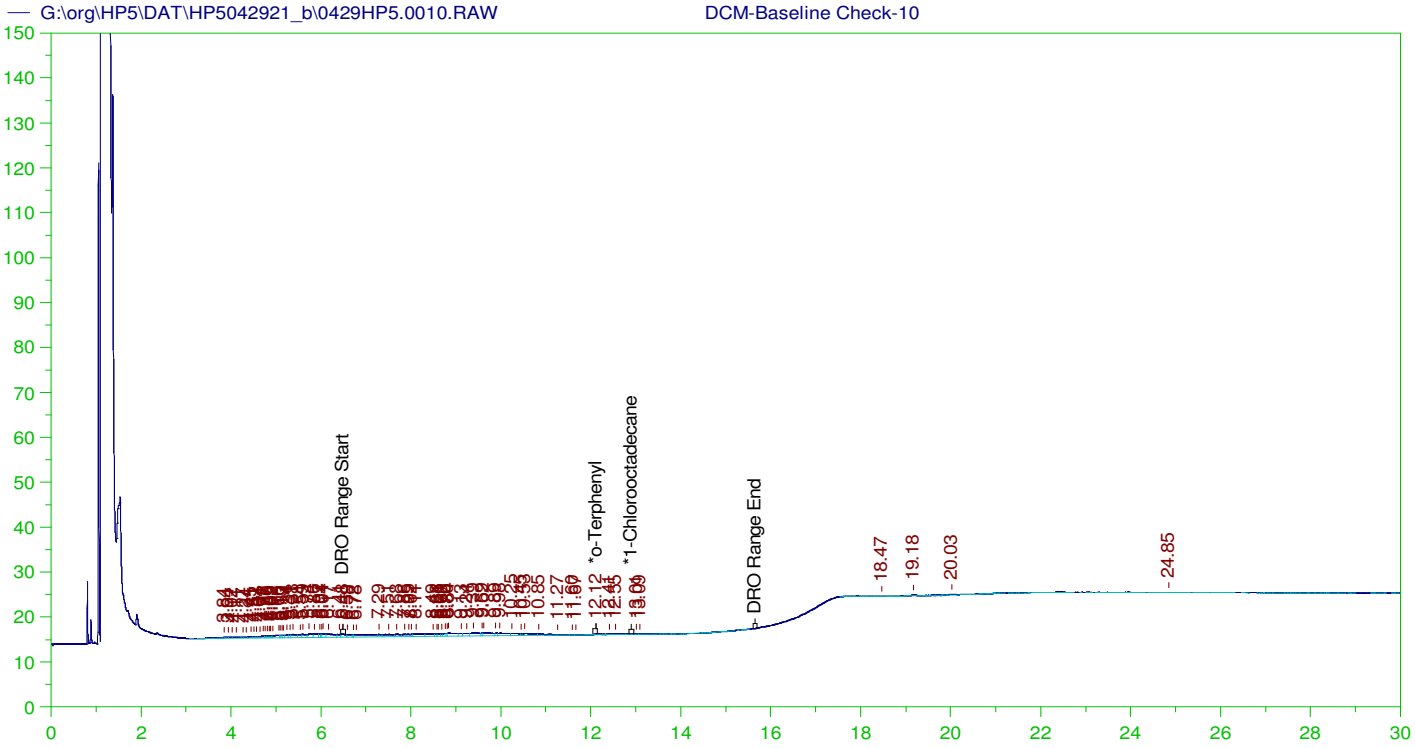

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: DCM-Baseline Check-10
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0010.RAW
Date & Time Acquired: 4/29/2021 8:18:47 PM
Method File: G:\Org\HP5\Methods\DR_8015-HG-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.121	200.	.061	.03	-
*1-Chlorooctadecane	29.917	200.	.	.	-

DRO Area:151759.7 DRO Amount: 5.151849
TEH Area:238066.3 TEH Amount: 8.081734

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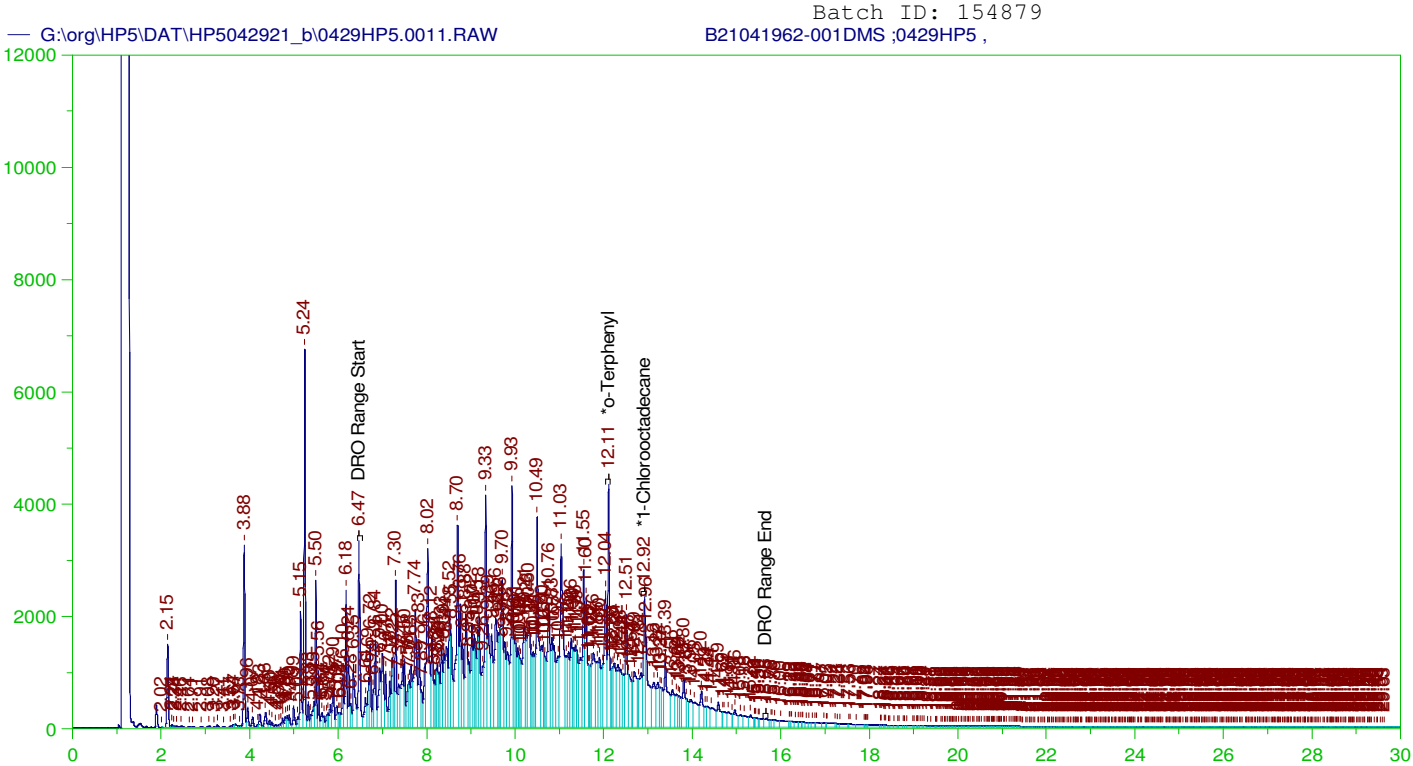
Batch ID: 154879



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21041962-001DMS ;0429HP5 ,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0011.RAW
Date & Time Acquired: 4/29/2021 9:00:45 PM
Method File: G:\Org\HP5\Methods\D3_8015-042911-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 495 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.11	.404	.671	165.97	-
*1-Chlorooctadecane	12.917	.404	.388	96.15	-

DRO Area:5.619225E+08 DRO Amount: 38.53699
TEH Area:6.497734E+08 TEH Amount: 44.56186

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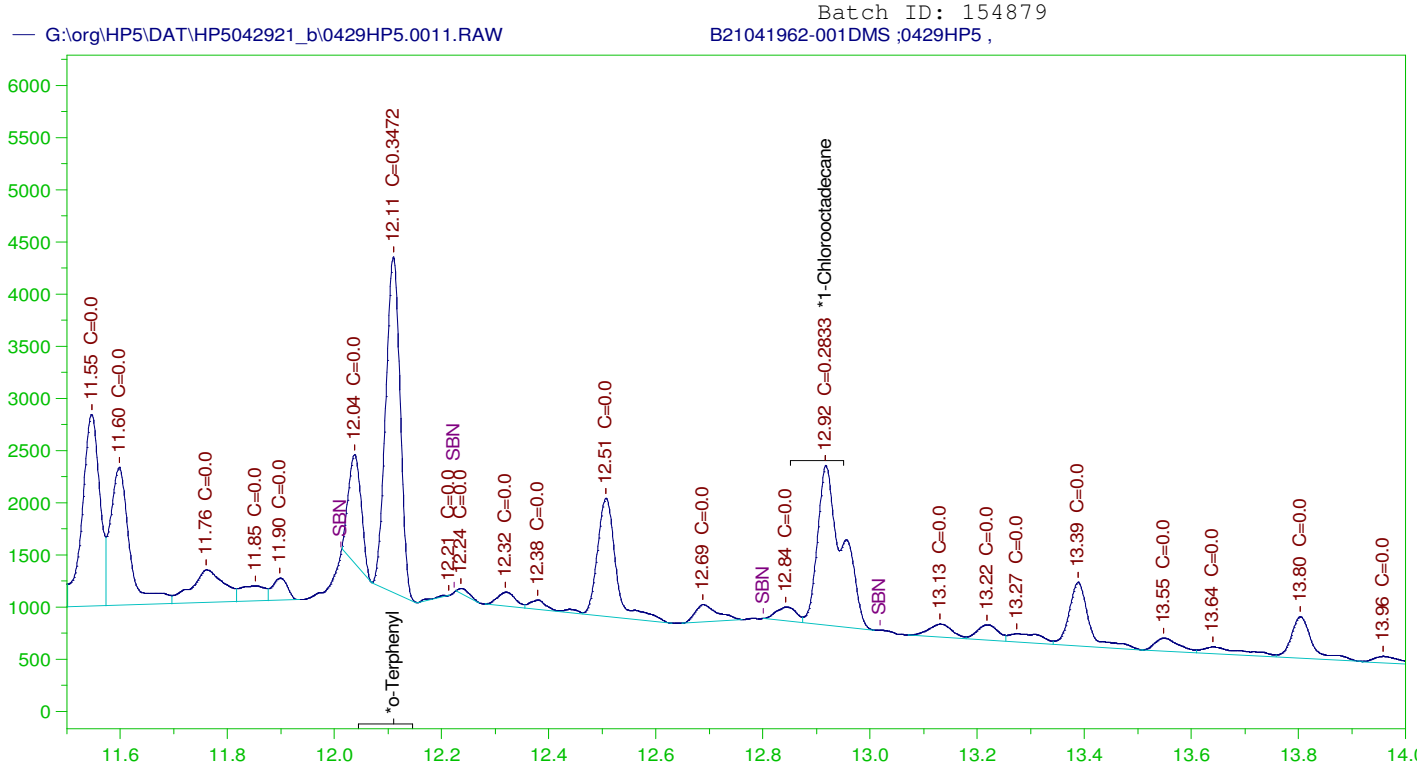
Batch ID: 154879



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21041962-001DMS ;0429HP5 ,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0011.RAW
Date & Time Acquired: 4/29/2021 9:00:45 PM
Method File: G:\Org\HP5\Methods\DS_8015-HG-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 495 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.11	.404	.347	85.93	-
*1-Chlorooctadecane	12.917	.404	.283	70.11	-

DRO Area:2.479452E+08 DRO Amount: 17.00424
TEH Area:3.037949E+08 TEH Amount: 20.83444

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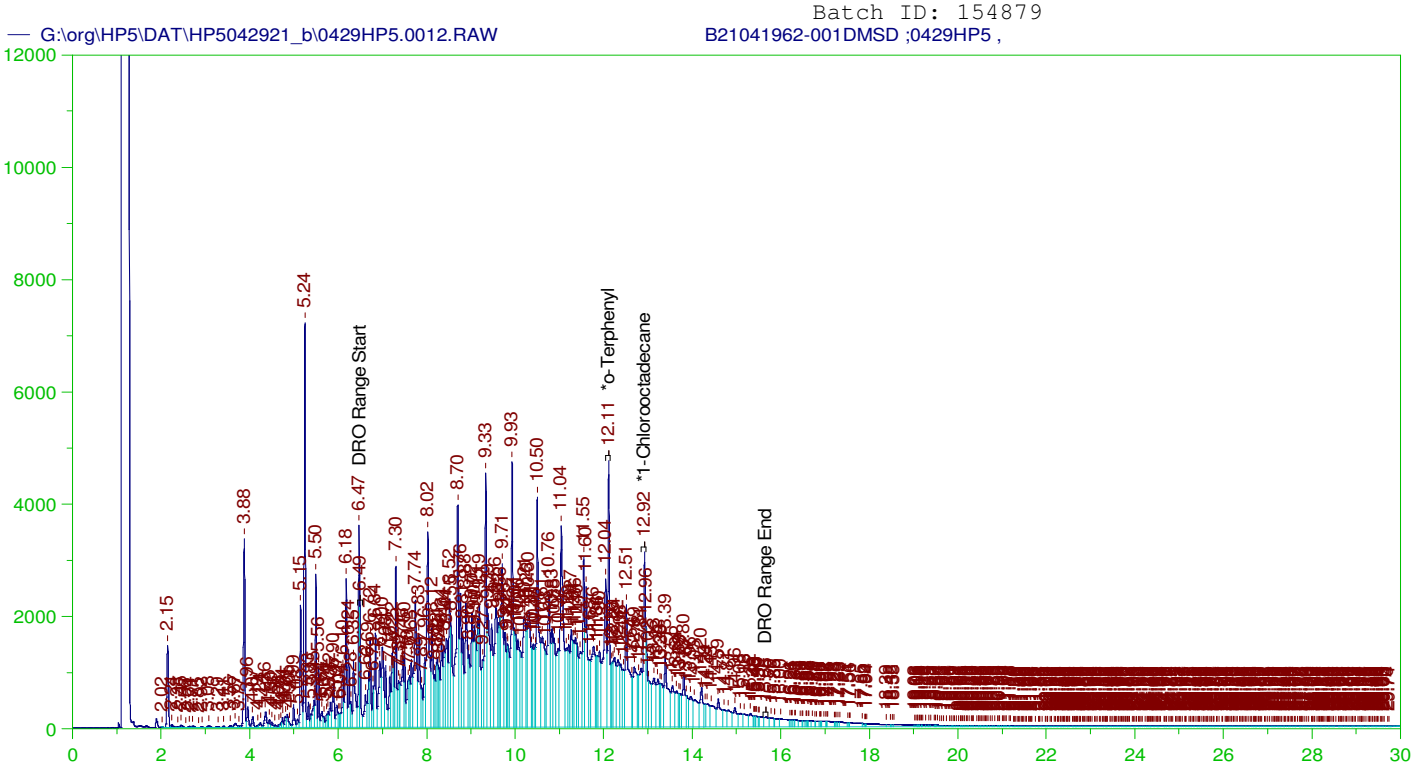
Batch ID: 154879



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21041962-001DMSD ;0429HP5 ,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0012.RAW
Date & Time Acquired: 4/29/2021 9:42:43 PM
Method File: G:\Org\HP5\Methods\D3_8015-042911-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 495 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.112	.404	.729	180.5	-
*1-Chlorooctadecane	12.92	.404	.522	129.31	-

DRO Area:6.147321E+08 DRO Amount: 42.15871
TEH Area:7.110246E+08 TEH Amount: 48.76251

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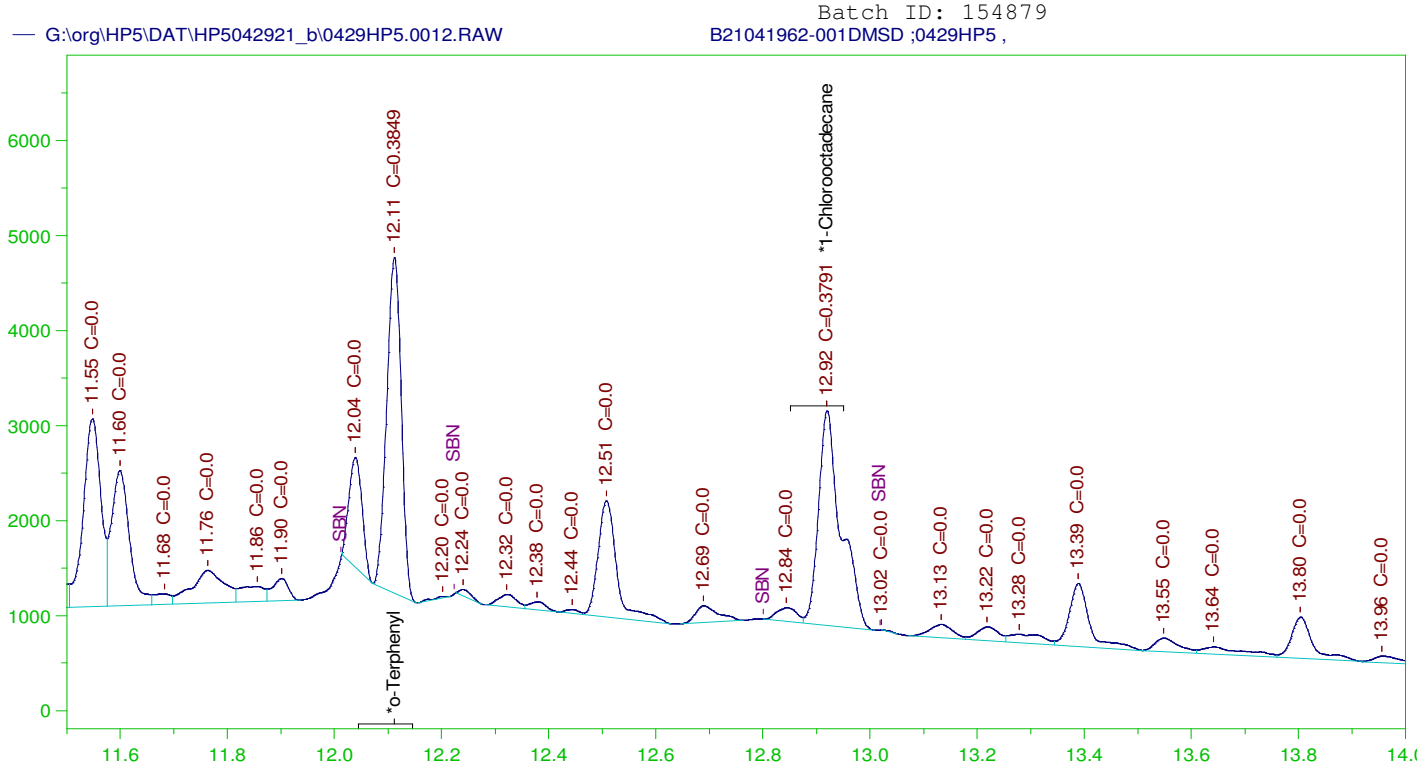
Batch ID: 154879



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21041962-001DMSD ;0429HP5 ,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0012.RAW
Date & Time Acquired: 4/29/2021 9:42:43 PM
Method File: G:\Org\HP5\Methods\DS_8015-HG-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 495 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.112	.404	.385	95.26	-
*1-Chlorooctadecane	12.92	.404	.379	93.82	-

DRO Area:2.739396E+08 DRO Amount: 18.78695
TEH Area:3.324164E+08 TEH Amount: 22.79732

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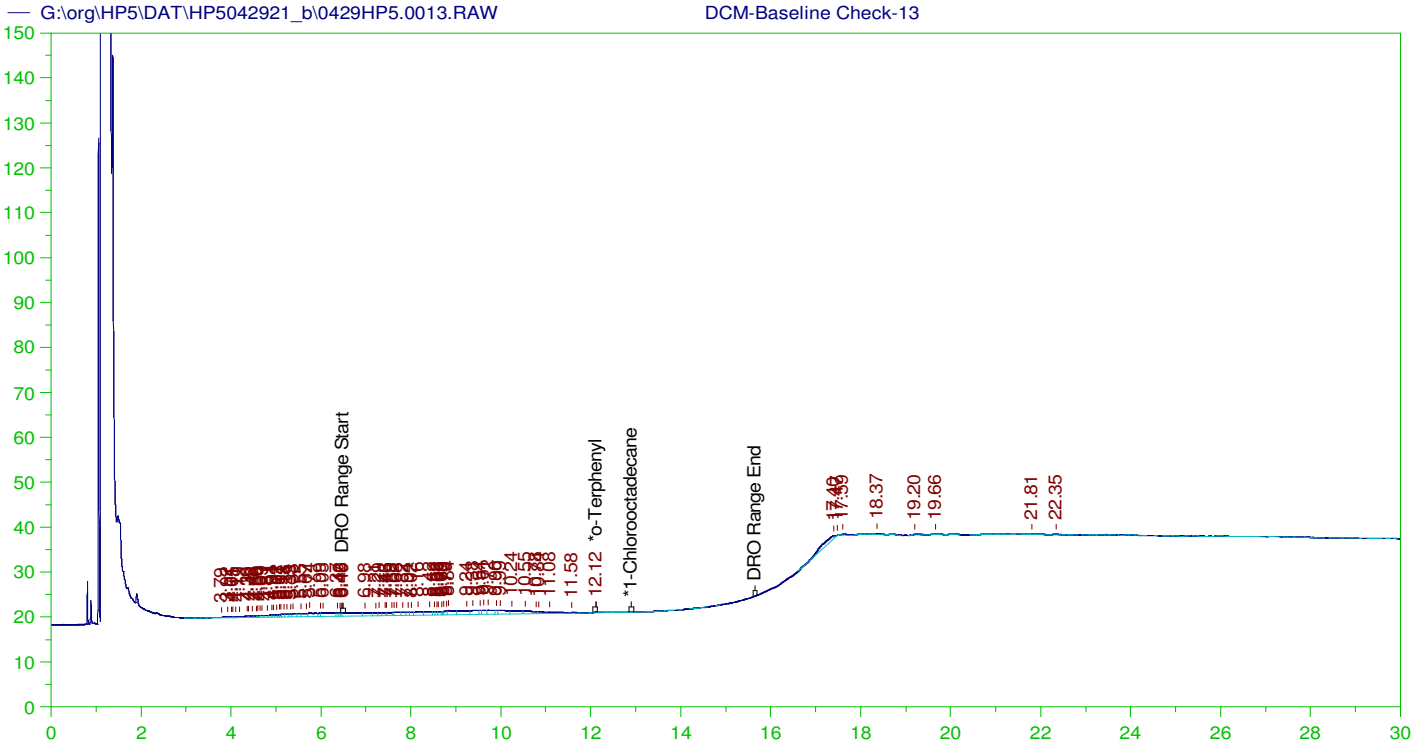

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: DCM-Baseline Check-13
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0013.RAW
Date & Time Acquired: 4/29/2021 10:24:37 PM
Method File: G:\Org\HP5\Methods\DR_8015-HG-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*o-Terphenyl	12.122	200.	.049	.02 -
*1-Chlorooctadecane	29.879	200.	.	. -

DRO Area:204043.1 DRO Amount: 6.926735
TEH Area:331857.9 TEH Amount: 11.26571

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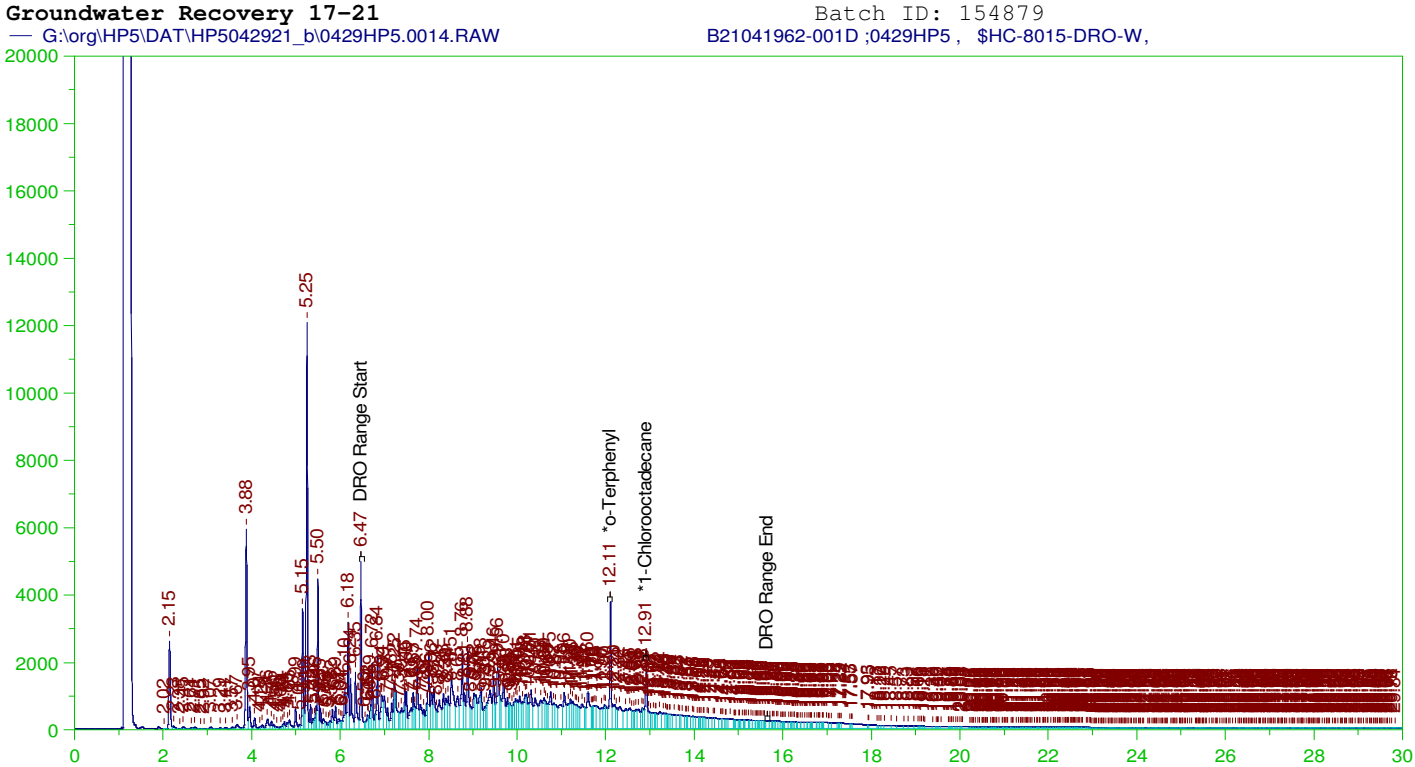
Groundwater Recovery 17-21 Batch ID: 154879



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21041962-001D ;0429HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0014.RAW
Date & Time Acquired: 4/29/2021 11:06:42 PM
Method File: G:\Org\HP5\Methods\D3_8015-042914-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.107	.2	.295	147.25	-
*1-Chlorooctadecane	12.914	.2	.166	83.17	-

DRO Area:3.465355E+08 DRO Amount: 11.76398
TEH Area:4.861081E+08 TEH Amount: 16.50211

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Groundwater Recovery 17-21 Batch ID: 154879

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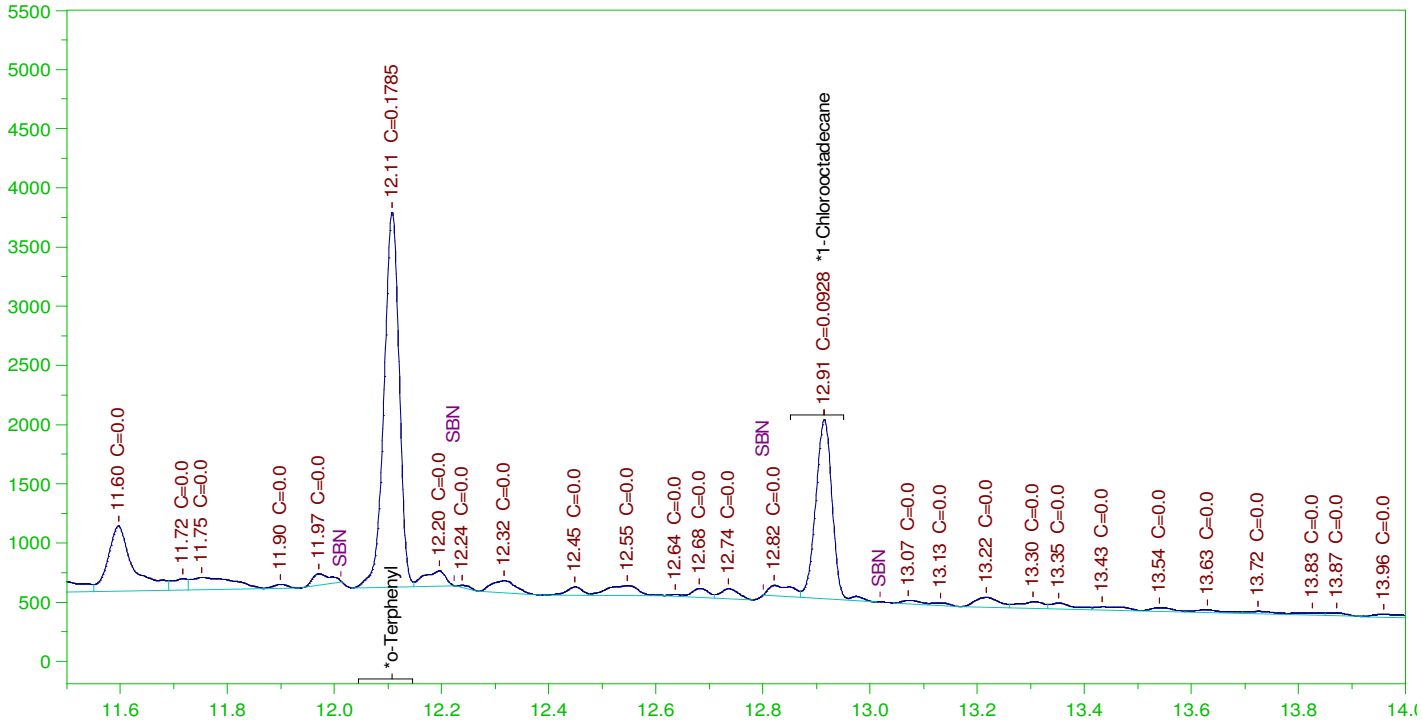

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B21041962-001D ;0429HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0014.RAW
Date & Time Acquired: 4/29/2021 11:06:42 PM
Method File: G:\Org\HP5\Methods\DS_8015-HG-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.107	.2	.179	89.27	-
*1-Chlorooctadecane	12.914	.2	.093	46.42	-

DRO Area:1.450797E+08 DRO Amount: 4.925081
TEH Area:2.271113E+08 TEH Amount: 7.70984

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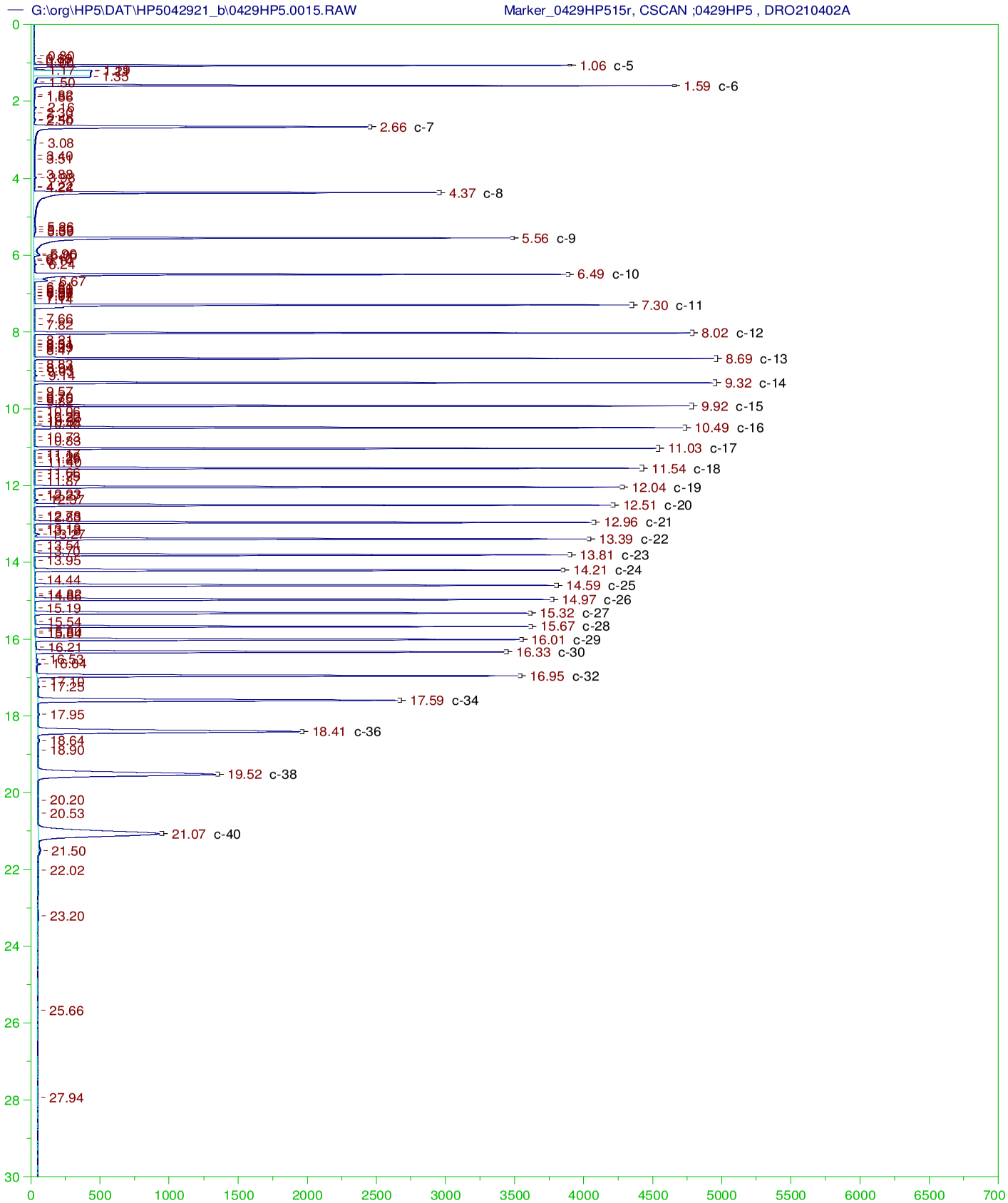

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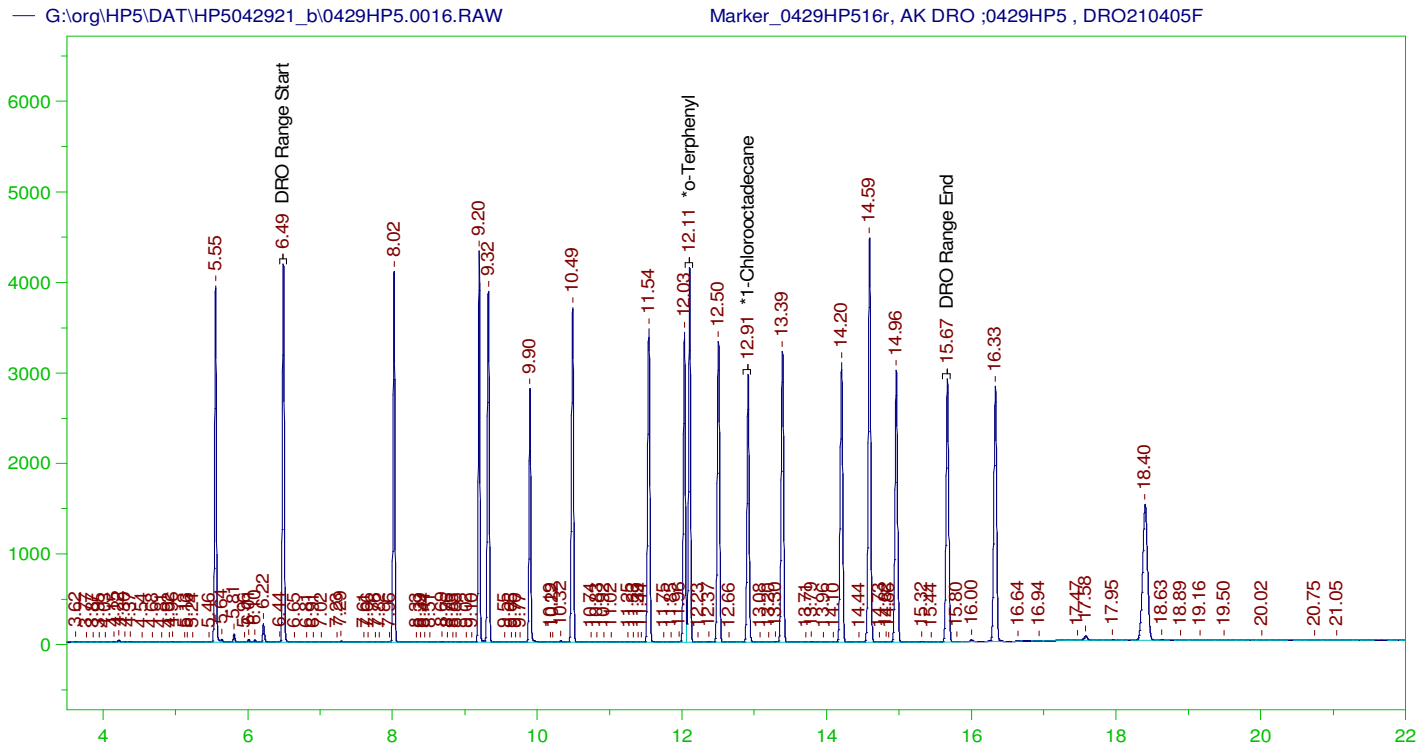

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: Marker_0429HP516r, AK DRO ;0429HP5 , DRO210405F
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0016.RAW
Date & Time Acquired: 4/30/2021 12:31:07 AM
Method File: G:\Org\HP5\Methods\DC_8015-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.106	.2	.226	112.97	-
*1-Chlorooctadecane	12.914	.2	.18	89.87	-

DRO Area:1.000961E+08 DRO Amount: 3.398002
TEH Area:1.224082E+08 TEH Amount: 4.15544

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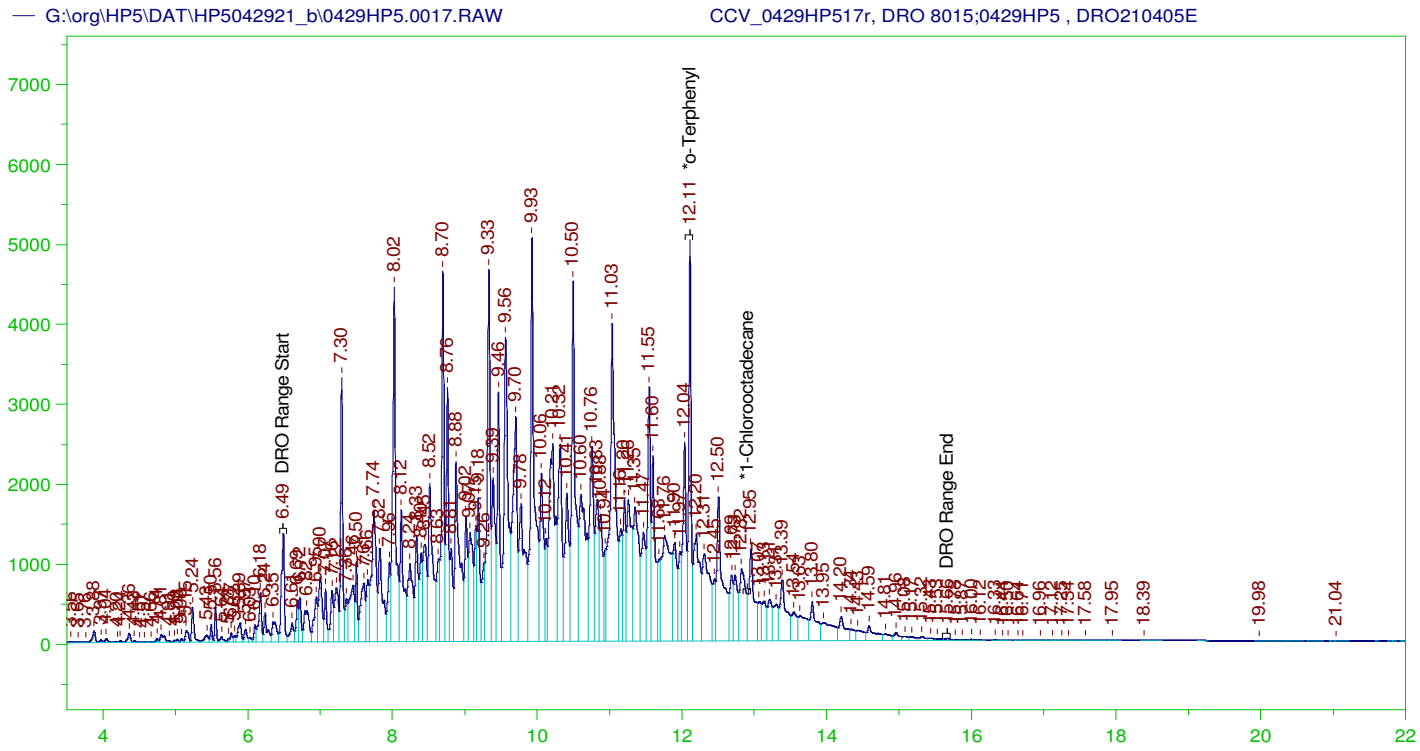

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0429HP517r, DRO 8015;0429HP5 , DRO210405E
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0017.RAW
Date & Time Acquired: 4/30/2021 1:13:16 AM
Method File: G:\Org\HP5\Methods\DC_8015-HG-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.111	200.	345.024	172.51	-
*1-Chlorooctadecane	29.869	200.	.	.	-

DRO Area:5.005387E+08 DRO Amount: 16991.99
TEH Area:5.121562E+08 TEH Amount: 17386.37

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5042921_b\0429HP5.0017.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	17386.37	115.91	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.111	200.	345.024	172.51	85-115
*1-Chlorooctadecane	29.869	200.	.	.	85-115

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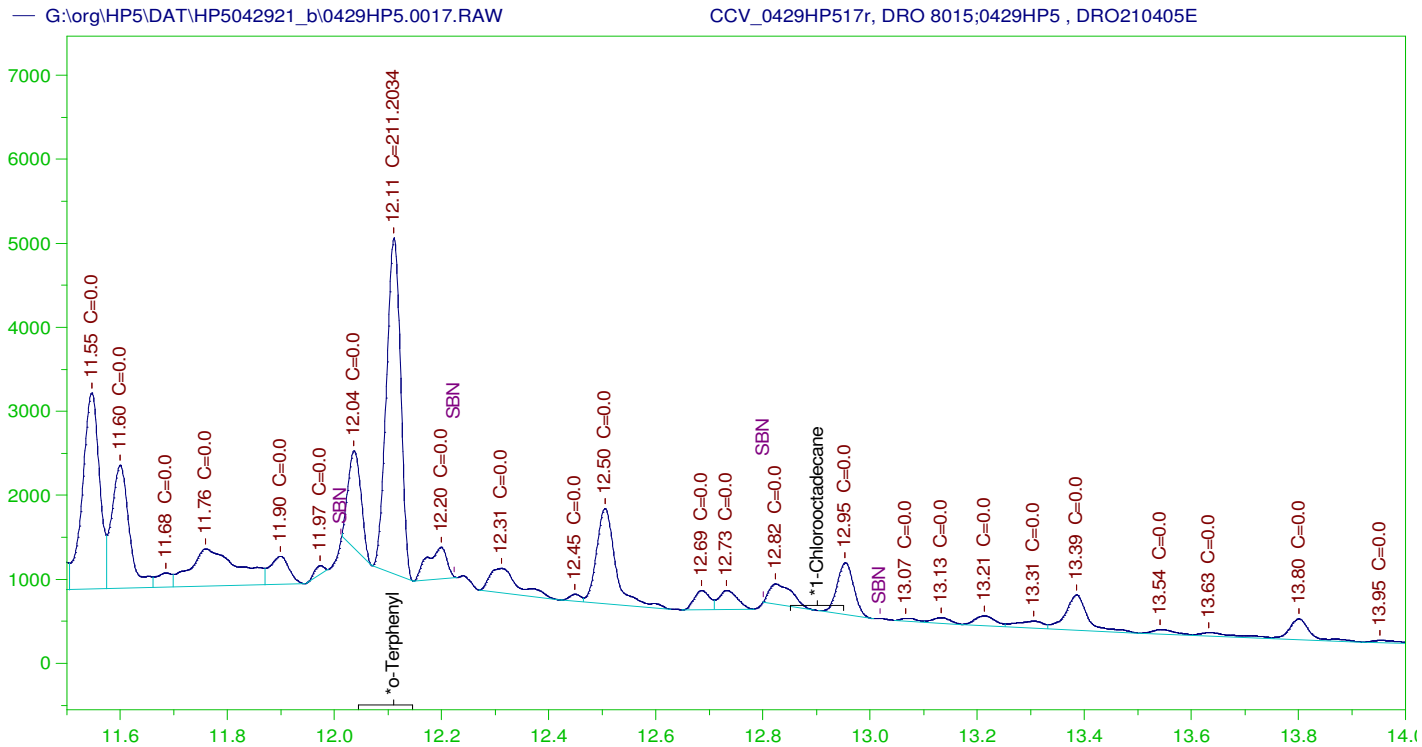

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: CCV_0429HP517r, DRO 8015;0429HP5 , DRO210405E
Raw File: G:\org\HP5\DAT\HP5042921_b\0429HP5.0017.RAW
Date & Time Acquired: 4/30/2021 1:13:16 AM
Method File: G:\Org\HP5\Methods\DS_8015-HG-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HG.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.439 to 15.702

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.111	200.	211.203	105.6	-
*1-Chlorooctadecane	15.779	200.	.	.	-

DRO Area:2.737493E+08 DRO Amount: 9293.078
TEH Area:2.840385E+08 TEH Amount: 9642.371

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5042921_b\0429HP5.0017.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	9642.37	64.28	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.111	200.	211.203	105.6	85-115
*1-Chlorooctadecane	15.779	200.	.	.	85-115

G:\org\HP5\dat\HP5042921_b\Review\017_CCV_0429HP517r_DS_8015-HG-L#.xls

Write Sequence Data File	Insert Entries(Have the first cell for entries selecte Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integration
G:\org\HP5\DAT\HP5042921_b\0429HP5.01r	DCM-Baseline Check-01	G:\Org\HP5\Methods\DR_8015-HG-LEXP.met	1	1	1	1	0	No integration
G:\org\HP5\DAT\HP5042921_b\0429HP5.02r	Marker_0429HP502r, CSCAN ;0429HP5 , DRO210402A	g:\org\HP5\Methods\\CSC210429.met	1	1	1	1	0	No integration
G:\org\HP5\DAT\HP5042921_b\0429HP5.03r	Marker_0429HP503r, AK DRO ;0429HP5 , DRO210405F	G:\Org\HP5\Methods\DC_8015-HG-L%.met	1	1	1	1	0	No integration
G:\org\HP5\DAT\HP5042921_b\0429HP5.04r	CCV_0429HP504r, DRO 8015;0429HP5 , DRO210405E	G:\Org\HP5\Methods\DC_8015-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 16.27. Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.01 and slightly after the surrogate peak at 12.23 and scaling showing surrogate peak from 11.5-14.
G:\org\HP5\DAT\HP5042921_b\0429HP5.05r	DCM-Baseline Check-05	G:\Org\HP5\Methods\DR_8015-HG-LEXP.met	1	1	1	1	0	No integration
G:\org\HP5\DAT\HP5042921_b\0429HP5.06r	LCS-154879 ;0429HP5 ,	G:\Org\HP5\Methods\D3_8015-042906-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	1000	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Peak width adjusted and split put at 12.95. Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.01 and slightly after the surrogate peak at 12.23 and scaling showing surrogate peak from 11.5-14.
G:\org\HP5\DAT\HP5042921_b\0429HP5.07r	MB-154879 ;0429HP5 ,	G:\Org\HP5\Methods\DR_8015-HG-L%.met G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met	1000	1	1	1	0	The integration of Diesel Range Organics, Total Extractable Hydrocarbons, C8-C18 range, C10-C25 range is the hydrocarbon response with reference to the basline.
G:\org\HP5\DAT\HP5042921_b\0429HP5.08r	B21042016-001A ;0429HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\DR_8015-HG-L%.met G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met	1030	1	1	1	0	The integration of Diesel Range Organics, Total Extractable Hydrocarbons, C8-C18 range, C10-C25 range is the hydrocarbon response with reference to the basline.
G:\org\HP5\DAT\HP5042921_b\0429HP5.09r	B21042016-002A ;0429HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\DR_8015-HG-L%.met G:\Org\HP5\Methods\DR_C8-C18-HG-L%.met G:\Org\HP5\Methods\DR_C10-C25-HG-L%.met	1000	1	1	1	0	The integration of Diesel Range Organics, Total Extractable Hydrocarbons, C8-C18 range, C10-C25 range is the hydrocarbon response with reference to the basline.
G:\org\HP5\DAT\HP5042921_b\0429HP5.10r	DCM-Baseline Check-10	G:\Org\HP5\Methods\DR_8015-HG-LEXP.met	1	1	1	1	0	No integration
G:\org\HP5\DAT\HP5042921_b\0429HP5.11r	B21041962-001DMS ;0429HP5 ,	G:\Org\HP5\Methods\D3_8015-042911-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	495	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Peak width adjusted and Yaxis scale to 12000. Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.01 and slightly after the surrogate peak at 12.23 and scaling showing surrogate peak from 11.5-14.
G:\org\HP5\DAT\HP5042921_b\0429HP5.12r	B21041962-001DMSD ;0429HP5 ,	G:\Org\HP5\Methods\D3_8015-042911-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	495	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Peak width adjusted and Yaxis scale to 12000. Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.01 and slightly after the surrogate peak at 12.23 and scaling showing surrogate peak from 11.5-14.
G:\org\HP5\DAT\HP5042921_b\0429HP5.13r	DCM-Baseline Check-13	G:\Org\HP5\Methods\DR_8015-HG-LEXP.met	1	1	1	1	0	No integration
G:\org\HP5\DAT\HP5042921_b\0429HP5.14r	B21041962-001D ;0429HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\D3_8015-042914-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	1000	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Peak width adjusted and Yaxis scale to 20000. Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.01 and slightly after the surrogate peak at 12.23 and scaling showing surrogate peak from 11.5-14.
G:\org\HP5\DAT\HP5042921_b\0429HP5.15r	Marker_0429HP515r, CSCAN ;0429HP5 , DRO210402A	g:\org\HP5\Methods\\CSC210429.met	1	1	1	1	0	No integration
G:\org\HP5\DAT\HP5042921_b\0429HP5.16r	Marker_0429HP516r, AK DRO ;0429HP5 , DRO210405F	G:\Org\HP5\Methods\DC_8015-HG-L%.met	1	1	1	1	0	No integration
G:\org\HP5\DAT\HP5042921_b\0429HP5.17r	CCV_0429HP517r, DRO 8015;0429HP5 , DRO210405E	G:\Org\HP5\Methods\DC_8015-HG-L%.met G:\Org\HP5\Methods\DS_8015-HG-L#.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 16.27. Surrogates are integrated using a valley to valley integration using Set Basline Now placed slight before at 12.01 and slightly after the surrogate peak at 12.23 and scaling showing surrogate peak from 11.5-14.

Ann Nebel

Digitally signed by
Ann Nebel
Date: 2021.04.30 09:47:50 -06:00