

# Energy Laboratories Inc

# ANALYTICAL RUN Summary

03-Nov-21

Run ID GCFID-HP5-B\_211102A

|   |
|---|
| <b>Run Start Date:</b> 11/2/2021            |
| <b>Analyst:</b> Ann Nebel                   |
| <b>Ical:</b>                                |
| <b>Column ID:</b>                           |
| <b>Comments:</b> ICAL for 8015C_DRO211002IA |

| Std ID     | Std Name                           | Std Amount | Std Units | Samp Amount | Samp Units | SampType  | Expiration Date |
|------------|------------------------------------|------------|-----------|-------------|------------|-----------|-----------------|
| DRO211012A | Diesel Fuel #2 50,000 ug/mL in DCM |            |           |             |            | CAL-DIESE | 4/30/2023       |
| DRO211012B | #2 Diesel in Acetone 150,000 ug/mL |            |           |             |            | SECOND S  | 11/5/2023       |
| DRO211025A | ALI CCV Mix-200ug/mL               |            |           |             |            | MARKER    | 5/31/2022       |
| DRO211101A | OTP-4000 ug/mL DCM                 |            |           |             |            | CAL-SURR  | 9/30/2024       |

| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID      | Analysis Date    | DF           | Batch ID      | Prep Date     | SPKref     | RPDref     | pmoist     |             |            |             |             |          |
|--------------------------------|--------------|--------------|------------|--------------|------------------|--------------|---------------|---------------|------------|------------|------------|-------------|------------|-------------|-------------|----------|
| 14822192                       | CCV_1102HP50 | HC-8015-DRO- | CCV        |              | 11/2/2021 8:31:3 | 1            | R369667       |               | 0          | 0          |            |             |            |             |             |          |
| <b>Analyte</b>                 | <b>T</b>     | <b>Units</b> | <b>RAW</b> | <b>Final</b> | <b>Text</b>      | <b>Spike</b> | <b>SPKref</b> | <b>RPDref</b> | <b>MDL</b> | <b>PQL</b> | <b>UQL</b> | <b>%REC</b> | <b>LOW</b> | <b>HIGH</b> | <b>%RPD</b> | <b>Q</b> |
| Total Extractable Hydrocarbons | A            | mg/L         |            | 3.665751     |                  | 15           | 0             | 0             | 0.0749     | 0.3        | 50         | 24%         | 80         | 120         | 0%          | S        |
| o-Terphenyl                    | S            | mg/L         |            | 0.2015393    |                  | 0.2          | 0             | 0             | 0.000429   | 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     |             |            |             |             |          |
|----------------|--------------|--------------|------------|--------------|------------------|--------------|---------------|---------------|------------|------------|------------|-------------|------------|-------------|-------------|----------|
| 14822193       | CCV_1102HP50 | HC-8015-DRO- | CAL1       |              | 11/2/2021 9:57:0 | 1            | R369667       |               | 0          | 0          |            |             |            |             |             |          |
| <b>Analyte</b> | <b>T</b>     | <b>Units</b> | <b>RAW</b> | <b>Final</b> | <b>Text</b>      | <b>Spike</b> | <b>SPKref</b> | <b>RPDref</b> | <b>MDL</b> | <b>PQL</b> | <b>UQL</b> | <b>%REC</b> | <b>LOW</b> | <b>HIGH</b> | <b>%RPD</b> | <b>Q</b> |
| o-Terphenyl    | S            | mg/L         |            | 0.00195342   |                  | 0.002        | 0             | 0             | 0.000429   | 0.002      | 0          | 98%         | 80         | 120         | 0%          |          |

| Seq No         | Lab ID       | Test Code    | Sample Typ | File ID      | Analysis Date    | DF           | Batch ID      | Prep Date     | SPKref     | RPDref     | pmoist     |             |            |             |             |          |
|----------------|--------------|--------------|------------|--------------|------------------|--------------|---------------|---------------|------------|------------|------------|-------------|------------|-------------|-------------|----------|
| 14822194       | CCV_1102HP50 | HC-8015-DRO- | CAL2       |              | 11/2/2021 10:39: | 1            | R369667       |               | 0          | 0          |            |             |            |             |             |          |
| <b>Analyte</b> | <b>T</b>     | <b>Units</b> | <b>RAW</b> | <b>Final</b> | <b>Text</b>      | <b>Spike</b> | <b>SPKref</b> | <b>RPDref</b> | <b>MDL</b> | <b>PQL</b> | <b>UQL</b> | <b>%REC</b> | <b>LOW</b> | <b>HIGH</b> | <b>%RPD</b> | <b>Q</b> |
| o-Terphenyl    | S            | mg/L         |            | 0.04992196   |                  | 0.05         | 0             | 0             | 0.000429   | 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 |      |     |      |      |   |
|--------------------------------|--------------|--------------|------------|-----------|------------------|-------|----------|-----------|----------|--------|--------|------|-----|------|------|---|
| 14822195                       | CCV_1102HP50 | HC-8015-DRO- | CAL3       |           | 11/2/2021 11:22: | 1     | R369667  |           | 0        | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref    | MDL      | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| o-Terphenyl                    | S            | mg/L         |            | 0.1939565 |                  | 0.2   | 0        | 0         | 0.000429 | 0.002  | 0      | 97%  | 80  | 120  | 0%   |   |
| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date | SPKref   | RPDref | pmoist |      |     |      |      |   |
| 14822196                       | CCV_1102HP50 | HC-8015-DRO- | CAL4       |           | 11/2/2021 12:05: | 1     | R369667  |           | 0        | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref    | MDL      | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| o-Terphenyl                    | S            | mg/L         |            | 0.5113316 |                  | 0.5   | 0        | 0         | 0.000429 | 0.002  | 0      | 102% | 80  | 120  | 0%   |   |
| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date | SPKref   | RPDref | pmoist |      |     |      |      |   |
| 14822197                       | CCV_1102HP50 | HC-8015-DRO- | CAL5       |           | 11/2/2021 12:49: | 1     | R369667  |           | 0        | 0      |        |      |     |      |      |   |
| Analyte                        | T            | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref    | MDL      | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| o-Terphenyl                    | S            | mg/L         |            | 1.032406  |                  | 1     | 0        | 0         | 0.000429 | 0.002  | 0      | 103% | 80  | 120  | 0%   |   |
| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date | SPKref   | RPDref | pmoist |      |     |      |      |   |
| 14822198                       | CCV_1102HP51 | HC-8015-DRO- | CAL1       |           | 11/2/2021 1:32:0 | 1     | R369667  |           | 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         |            | 0.1551854 |                  | 0.15  | 0        | 0         | 0.0749   | 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 |      |     |      |      |   |
| 14822199                       | CCV_1102HP51 | HC-8015-DRO- | CAL2       |           | 11/2/2021 2:15:0 | 1     | R369667  |           | 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         |            | 3.698073  |                  | 3.75  | 0        | 0         | 0.0749   | 0.3    | 50     | 99%  | 80  | 120  | 0%   |   |
| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date | SPKref   | RPDref | pmoist |      |     |      |      |   |
| 14822200                       | CCV_1102HP51 | HC-8015-DRO- | CAL3       |           | 11/2/2021 2:58:2 | 1     | R369667  |           | 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         |            | 15.26249  |                  | 15    | 0        | 0         | 0.0749   | 0.3    | 50     | 102% | 80  | 120  | 0%   |   |

| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID  | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|--------------------------------|--------------|--------------|------------|----------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14822201                       | CCV_1102HP51 | HC-8015-DRO- | CAL4       |          | 11/2/2021 3:41:3 | 1     | R369667  |           | 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         |            | 36.59341 |                  | 37.5  | 0        | 0         | 0.0749 | 0.3    | 50     | 98%  | 80  | 120  | 0%   |   |
| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID  | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
| 14822202                       | CCV_1102HP51 | HC-8015-DRO- | CAL5       |          | 11/2/2021 4:24:5 | 1     | R369667  |           | 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         |            | 49.2977  |                  | 50    | 0        | 0         | 0.0749 | 0.3    | 50     | 99%  | 80  | 120  | 0%   |   |
| Seq No                         | Lab ID       | Test Code    | Sample Typ | File ID  | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
| 14822203                       | CCV_1102HP51 | HC-8015-DRO- | ICV        |          | 11/2/2021 5:51:3 | 1     | R369667  |           | 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         |            | 14.98994 |                  | 15    | 0        | 0         | 0.0749 | 0.3    | 50     | 100% | 80  | 120  | 0%   |   |

| Write Sequence | Data File | Sample Name  | Method                                 | Weight | Dil Factor | Amt Inj. | IS | Cal ID |
|----------------|-----------|--|--|--------|------------|----------|----|--------|
|                |           | CCV_1102HP508r, DRO ;1102HP5 , DRO211025A  | G:\Org\HP5\Methods\DC_8015-IA-L%.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | DCM-Baseline Check-V04   | G:\Org\HP5\Methods\DR_8015-HP-LEXP.met | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP505r, CAL1 ;1102HP5 , 2 ug per mL OTP (10 uL of Cal3 + 990 uL DCM(14408)                   | G:\Org\HP5\Methods\DS_8015-IA-L#.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP506r, CAL2 ;1102HP5 , 50 ug per mL OTP (100 uL Cal4 + 900 uL of DCM(14408)                 | G:\Org\HP5\Methods\DS_8015-IA-L#.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP507r, CAL3 ;1102HP5 , 200 ug per mL OTP (100uL of Cal5 + 400 uL DCM(14408)                 | G:\Org\HP5\Methods\DS_8015-IA-L#.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP508r, CAL4 ;1102HP5 , 500 ug per mL OTP (250uL of Cal5 + 250 uL DCM(14408)                 | G:\Org\HP5\Methods\DS_8015-IA-L#.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP509r, CAL5 ;1102HP5 , 1000 ug per mL OTP (250 uL 4000 ug/mL OTP DRO21101A + 750 DCM(14408) | G:\Org\HP5\Methods\DS_8015-IA-L#.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP510r, CAL1 ;1102HP5 , 150 ug per mL Diesel (10 uL of Cal3 + 990 uL DCM(14408),             | G:\Org\HP5\Methods\DC_8015-IA-L%.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP511r, CAL2 ;1102HP5 , 3750 ug per mL Diesel (100 uL Cal4 + 900 uL of DCM(14408)            | G:\Org\HP5\Methods\DC_8015-IA-L%.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP512r, CAL3 ;1102HP5 , 15000 ug per mL Diesel (300 uL of DRO211012A + 700 uL DCM(14408)     | G:\Org\HP5\Methods\DC_8015-IA-L%.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP513r, CAL4 ;1102HP5 , 37500ug per mL Diesel (750 uL of DRO211012A + 250 uL DCM(14408)      | G:\Org\HP5\Methods\DC_8015-IA-L%.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP514r, CAL5 ;1102HP5 , 50000 ug per mL Diesel (200 uL of DRO211012A)                        | G:\Org\HP5\Methods\DC_8015-IA-L%.met   | 1      | 1          | 1        | 1  | 0      |
|                |           | DCM-Baseline Check-V15   | G:\Org\HP5\Methods\DR_8015-HP-LEXP.met | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_1102HP516r, Second Source ;1102HP5 , 15000 ug per mL (100uL of DRO211012B + 900uL DCM(14408)     | G:\Org\HP5\Methods\DC_8015-IA-L%.met   | 1      | 1          | 1        | 1  | 0      |

File Name: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL

Version: 14

Creator: AMN 11/02/2021

Description: 8015C-DRO. New ICal Per 1102HP5 (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

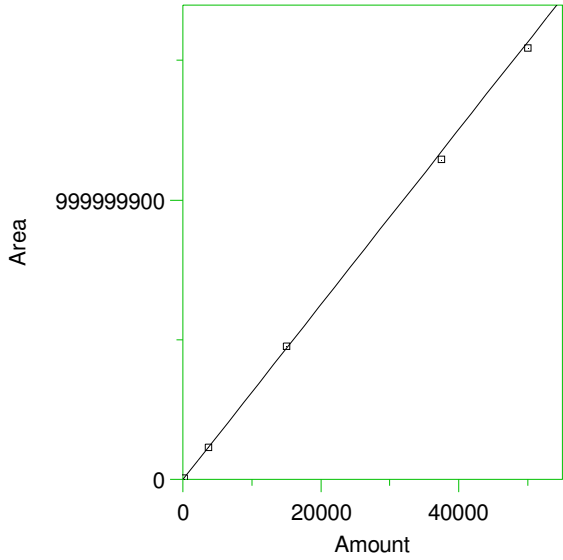
No default component

Method of calculating data point averages: Equal weight for all updates

No calibration update report

All levels are normal data points.

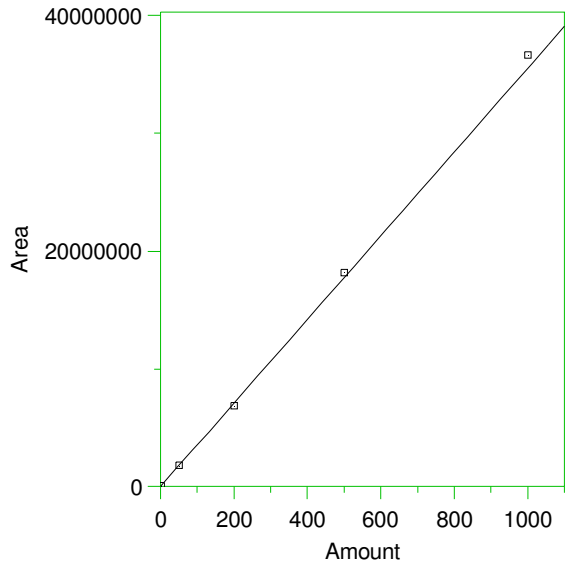
1 DRO Range Start



Expected retention time: 6.64 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 = 31353.19 X + 0  
 Average CF fit with equal weighting, forced to origin  
 Coefficient of determination: 0.9992341  
 Average error: 2.083%  
 Average CF: 31353.19  
 RSD: 2.487%

| Level | Amount | Response     | Cal Factor | Error, % | Source | Date and time        |
|-------|--------|--------------|------------|----------|--------|----------------------|
| 1     | 150    | 4865557      | 32437.05   | 3.457    | Manual | 11/3/2021 6:44:55 AM |
| 2     | 3750   | 1.159464E+08 | 30919.04   | -1.385   | Manual | 11/3/2021 6:45:31 AM |
| 3     | 15000  | 4.785279E+08 | 31901.86   | 1.750    | Manual | 11/3/2021 6:46:08 AM |
| 4     | 37500  | 1.14732E+09  | 30595.2    | -2.418   | Manual | 11/3/2021 6:45:45 AM |
| 5     | 50000  | 1.54564E+09  | 30912.8    | -1.405   | Manual | 11/3/2021 6:45:18 AM |

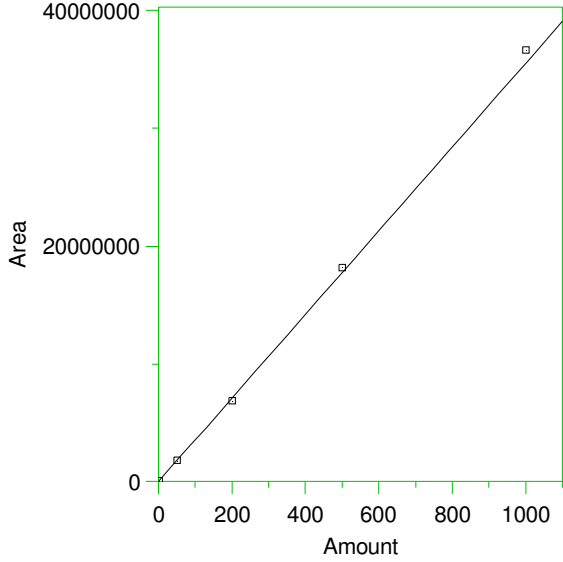
2 \*o-Terphenyl



Expected retention time: 12.29 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 = 35509.21 X + 0  
 Average CF fit with equal weighting, forced to origin  
 Coefficient of determination: 0.9983284  
 Average error: 2.203%  
 Average CF: 35509.21  
 RSD: 2.749%

| Level | Amount | Response     | Cal Factor | Error, % | Source                                      | Date and time        |
|-------|--------|--------------|------------|----------|---|----------------------|
| 1     | 2      | 69364.34     | 34682.17   | -2.329   | G:\Org\HP5\DAT\HP5110221_b\1102HP5.0005.BND | 11/2/2021 2:21:29 PM |
| 2     | 50     | 1772689      | 35453.78   | -0.156   | G:\Org\HP5\DAT\HP5110221_b\1102HP5.0006.BND | 11/2/2021 2:21:35 PM |
| 3     | 200    | 6887244      | 34436.22   | -3.022   | G:\Org\HP5\DAT\HP5110221_b\1102HP5.0007.BND | 11/2/2021 2:21:41 PM |
| 4     | 500    | 1.815698E+07 | 36313.96   | 2.266    | G:\Org\HP5\DAT\HP5110221_b\1102HP5.0008.BND | 11/2/2021 2:21:47 PM |
| 5     | 1000   | 3.665993E+07 | 36659.93   | 3.241    | G:\Org\HP5\DAT\HP5110221_b\1102HP5.0009.BND | 11/2/2021 2:21:52 PM |

3 \*1-Chlorooctadecane



Expected retention time: 13.1 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

$Y = 35509.21 X + 0$

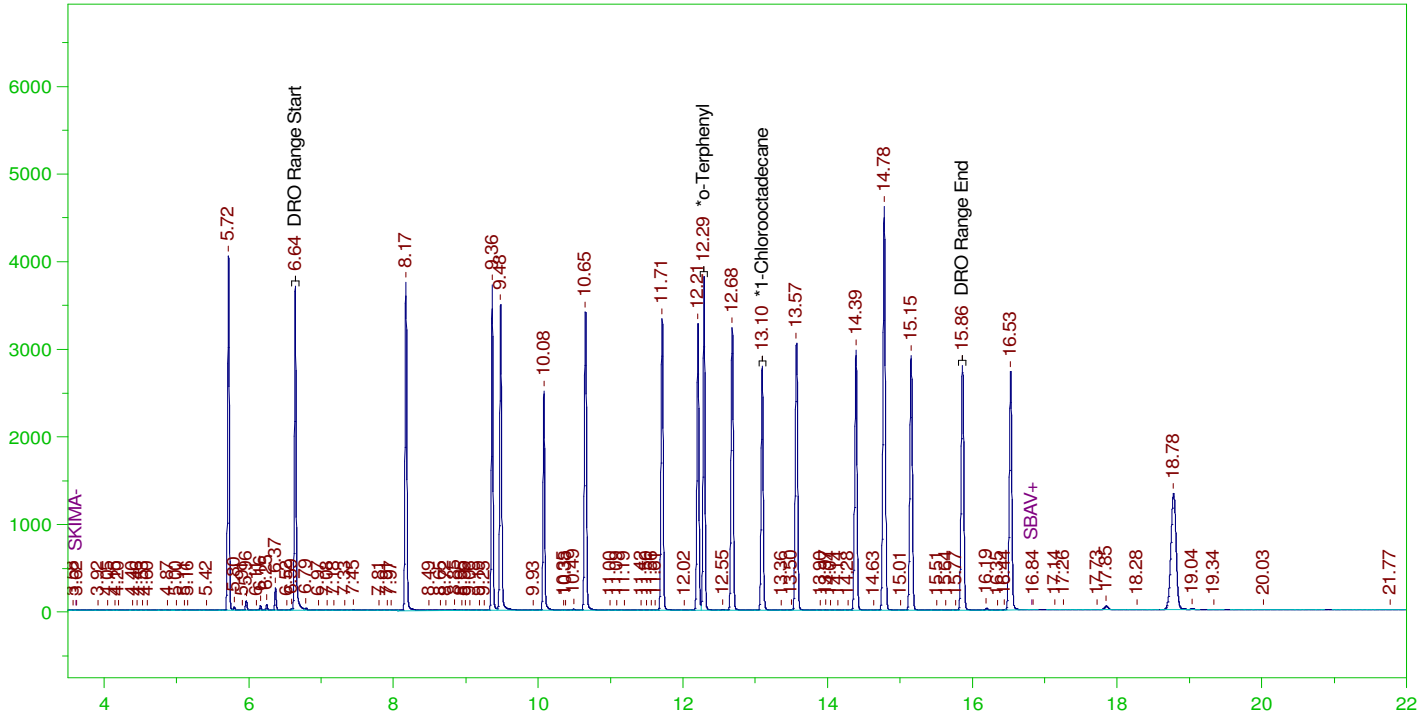
Average CF fit with equal weighting, forced to origin  
 Coefficient of determination: 0.9983284  
 Average error: 2.203%  
 Average CF: 35509.21  
 RSD: 2.749%

| Level | Amount | Response     | Cal Factor | Error, % | Source | Date and time        |
|-------|--------|--------------|------------|----------|--------|----------------------|
| 1     | 2      | 69364.34     | 34682.17   | -2.329   | Manual | 11/2/2021 2:21:57 PM |
| 2     | 50     | 1772689      | 35453.78   | -0.156   | Manual | 11/2/2021 2:21:58 PM |
| 3     | 200    | 6887244      | 34436.22   | -3.022   | Manual | 11/2/2021 2:22:00 PM |
| 4     | 500    | 1.815698E+07 | 36313.96   | 2.266    | Manual | 11/2/2021 2:22:02 PM |
| 5     | 1000   | 3.665993E+07 | 36659.93   | 3.241    | Manual | 11/2/2021 2:22:04 PM |



G:\org\HP5\DAT\HP5110221\_b\1102HP5.0003.RAW

CCV\_1102HP508r, DRO ;1102HP5 , DRO211025A



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP508r, DRO ;1102HP5 , DRO211025A  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0003.RAW  
 Date & Time Acquired: 11/2/2021 8:31:35 AM  
 Method File: G:\Org\HP5\Methods\DC\_8015-IA-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

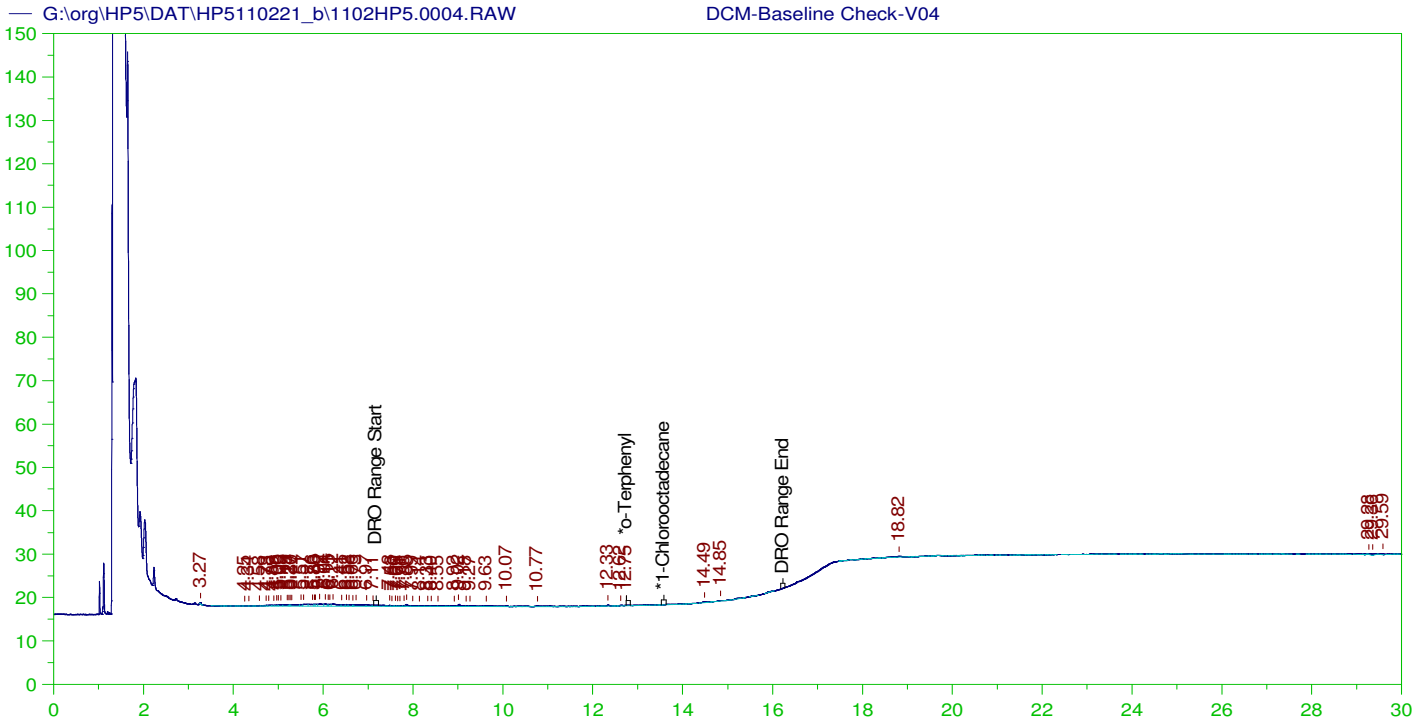
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.292 | 200.   | 201.539  | 100.77 |
| *1-Chlorooctadecane | 13.095 | 200.   | 163.573  | 81.79  |

DRO Area: 9.38791E+07 DRO Amount: 2994.244  
 TEH Area: 1.14933E+08 TEH Amount: 3665.75

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0003.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 3665.75       | 24.44     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.292 | 200.   | 201.539  | 100.77 | 85-115 |
| *1-Chlorooctadecane | 13.095 | 200.   | 163.573  | 81.79  | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V04  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0004.RAW  
 Date & Time Acquired: 11/2/2021 9:14:27 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HP-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108HP.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

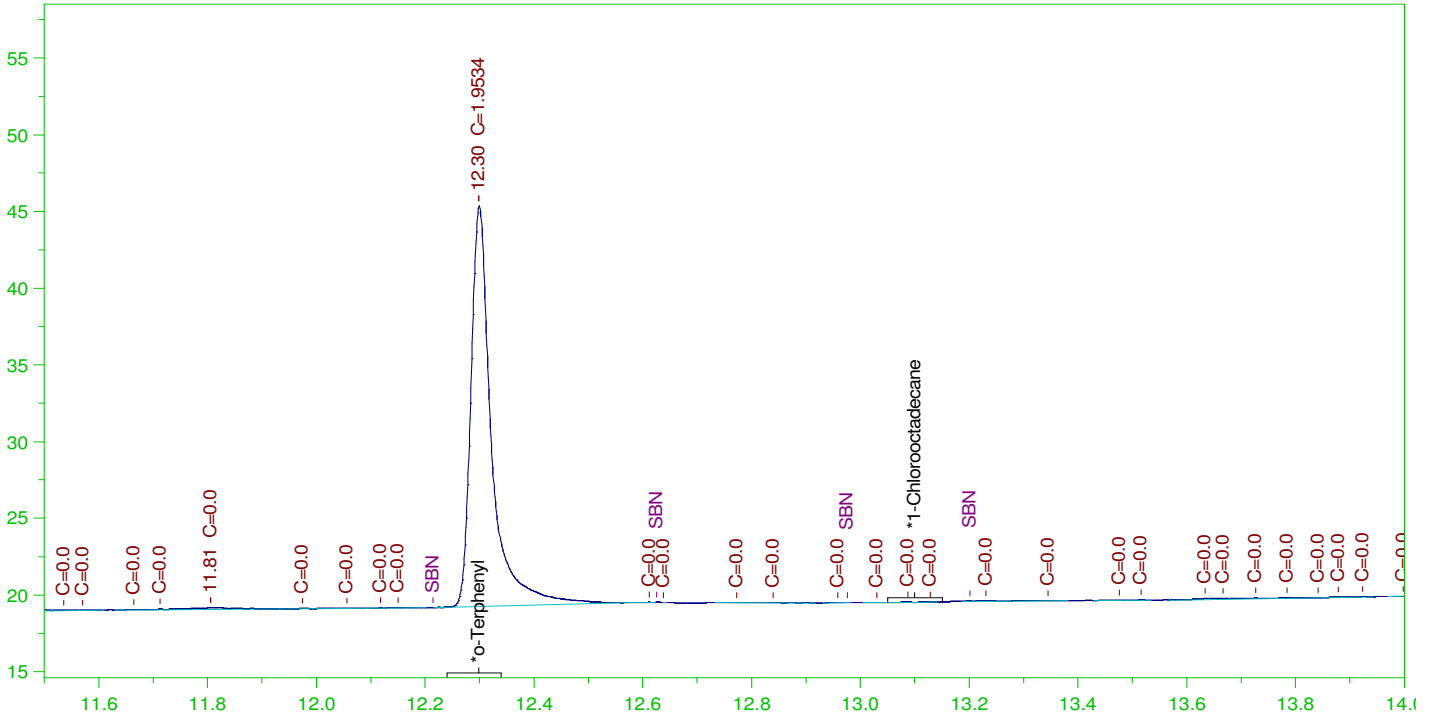
Mean RF for TEH: 29457.33  
 Rt range for Diesel Range Organics: 7.125 to 16.28

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.746 | 200.   | .026     | .01  |
| *1-Chlorooctadecane | 29.929 | 200.   | .        | .    |

DRO Area: 35138 DRO Amount: 1.192844  
 TEH Area: 110269.4 TEH Amount: 3.74336

G:\org\HP5\DAT\HP5110221\_b\1102HP5.0005.RAW

CCV\_1102HP505r, CAL1 ;1102HP5 , 2 ug per mL OTP



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP505r, CAL1 ;1102HP5 , 2 ug per mL OTP  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0005.RAW  
 Date & Time Acquired: 11/2/2021 9:57:01 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-IA-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.299 | 200.   | 1.953    | .98  | - |
| *1-Chlorooctadecane | 15.561 | 200.   | .        | .    | - |

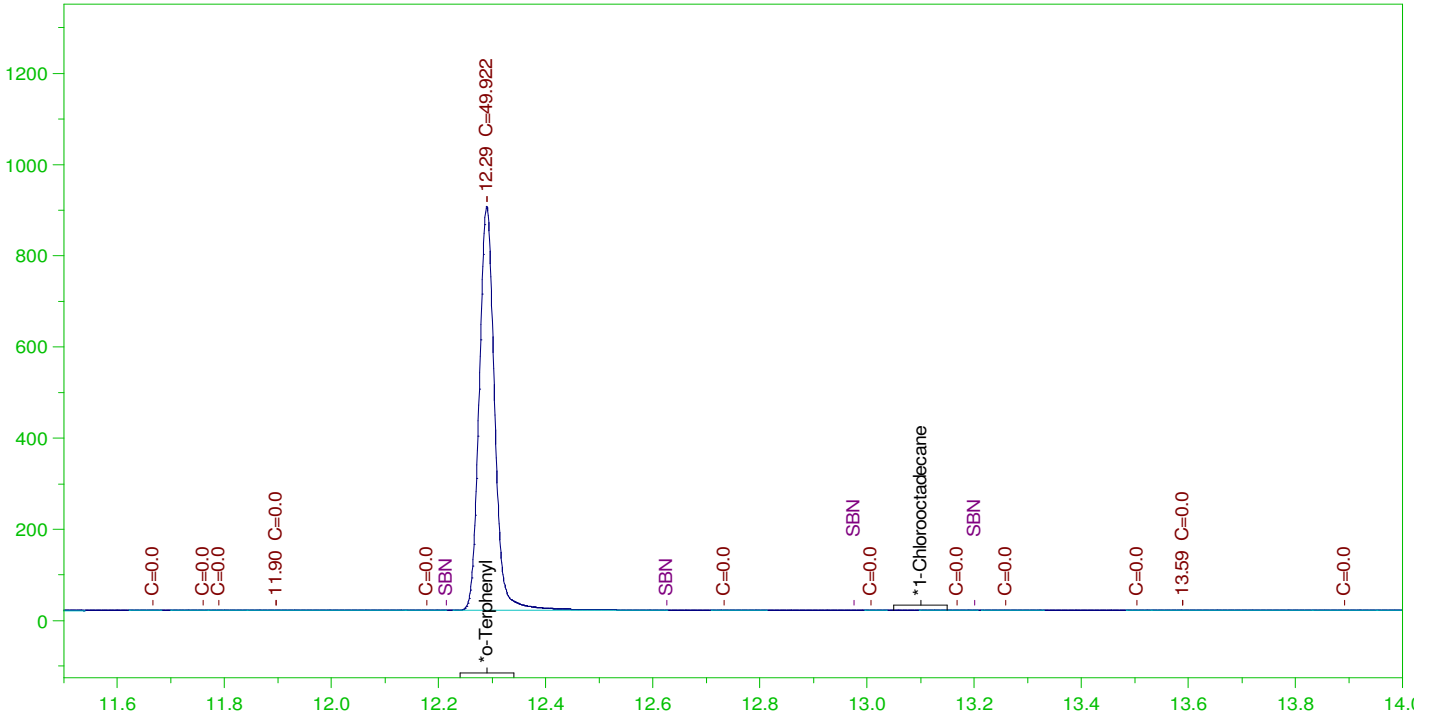
DRO Area:37026.36 DRO Amount: 1.180944  
 TEH Area:88429.33 TEH Amount: 2.820425

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0005.RAW  
 COMPOUND ACTUAL (NG) MEASURED (NG) %RECOVERY LIMITS  
 TOTAL DRO 15000. . . 85-115

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC | LIMITS |
|---------------------|--------|--------|----------|------|--------|
| *o-Terphenyl        | 12.299 | 200.   | 1.953    | .98  | 85-115 |
| *1-Chlorooctadecane | 15.561 | 200.   | .        | .    | 85-115 |

G:\org\HP5\DAT\HP5110221\_b\1102HP5.0006.RAW

CCV\_1102HP506r, CAL2 ;1102HP5 , 50 ug per mL OTP



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP506r, CAL2 ;1102HP5 , 50 ug per mL OTP  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0006.RAW  
 Date & Time Acquired: 11/2/2021 10:39:43 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-IA-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

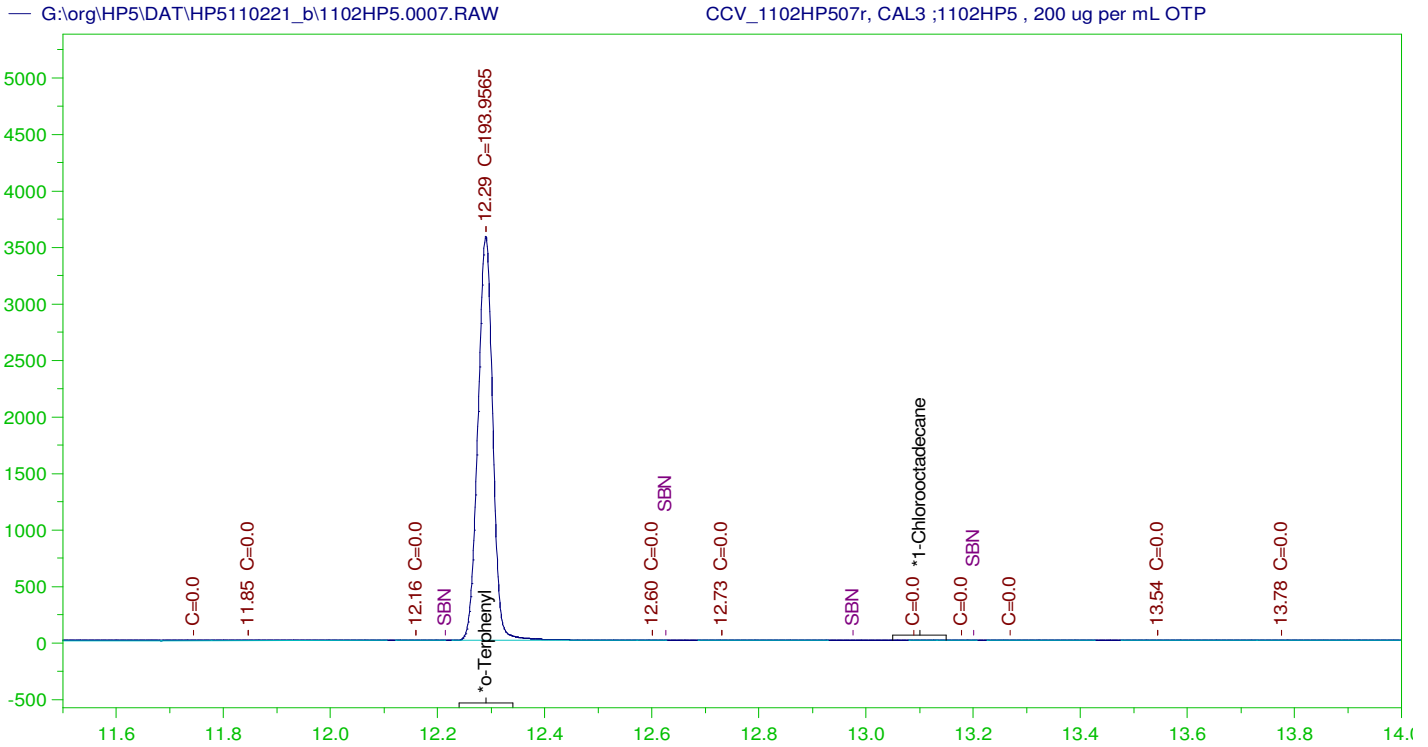
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.29  | 200.   | 49.922   | 24.96 | - |
| *1-Chlorooctadecane | 15.697 | 200.   | .        | .     | - |

DRO Area:141449.5 DRO Amount: 4.511485  
 TEH Area:310030.7 TEH Amount: 9.88833

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0006.RAW

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

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|---------------------|--------|--------|----------|-------|--------|
| *o-Terphenyl        | 12.29  | 200.   | 49.922   | 24.96 | 85-115 |
| *1-Chlorooctadecane | 15.697 | 200.   | .        | .     | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP507r, CAL3 ;1102HP5 , 200 ug per mL OTP  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0007.RAW  
 Date & Time Acquired: 11/2/2021 11:22:37 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-IA-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

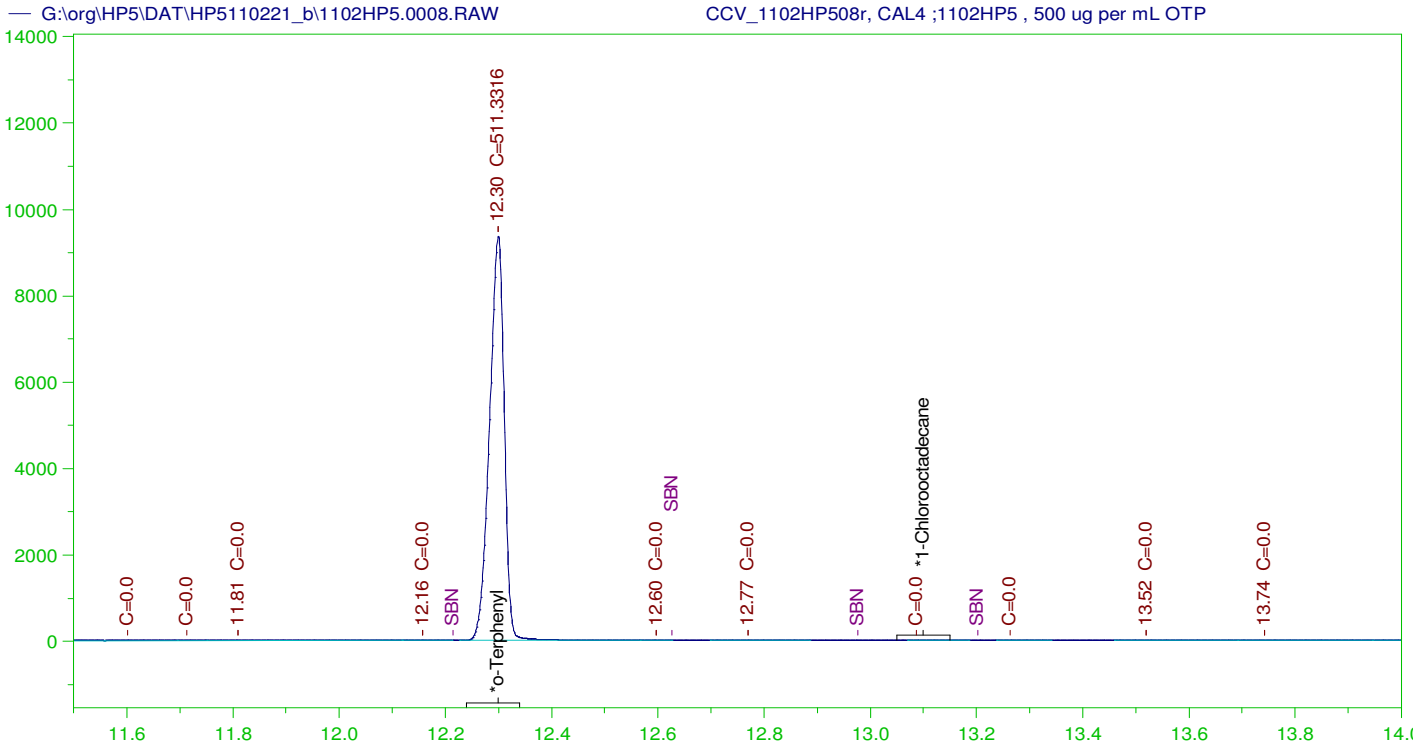
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.29  | 200.   | 193.957  | 96.98 |
| *1-Chlorooctadecane | 15.779 | 200.   | .        | -     |

DRO Area:338082.7 DRO Amount: 10.78304  
 TEH Area:638415.8 TEH Amount: 20.36207

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0007.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 20.36         | .14       | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|---------------------|--------|--------|----------|-------|--------|
| *o-Terphenyl        | 12.29  | 200.   | 193.957  | 96.98 | 85-115 |
| *1-Chlorooctadecane | 15.779 | 200.   | .        | .     | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP508r, CAL4 ;1102HP5 , 500 ug per mL OTP  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0008.RAW  
 Date & Time Acquired: 11/2/2021 12:05:44 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-IA-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.3   | 200.   | 511.332  | 255.67 |
| *1-Chlorooctadecane | 15.798 | 200.   | .        | -      |

DRO Area:456992 DRO Amount: 14.57561  
 TEH Area:825752.1 TEH Amount: 26.3371

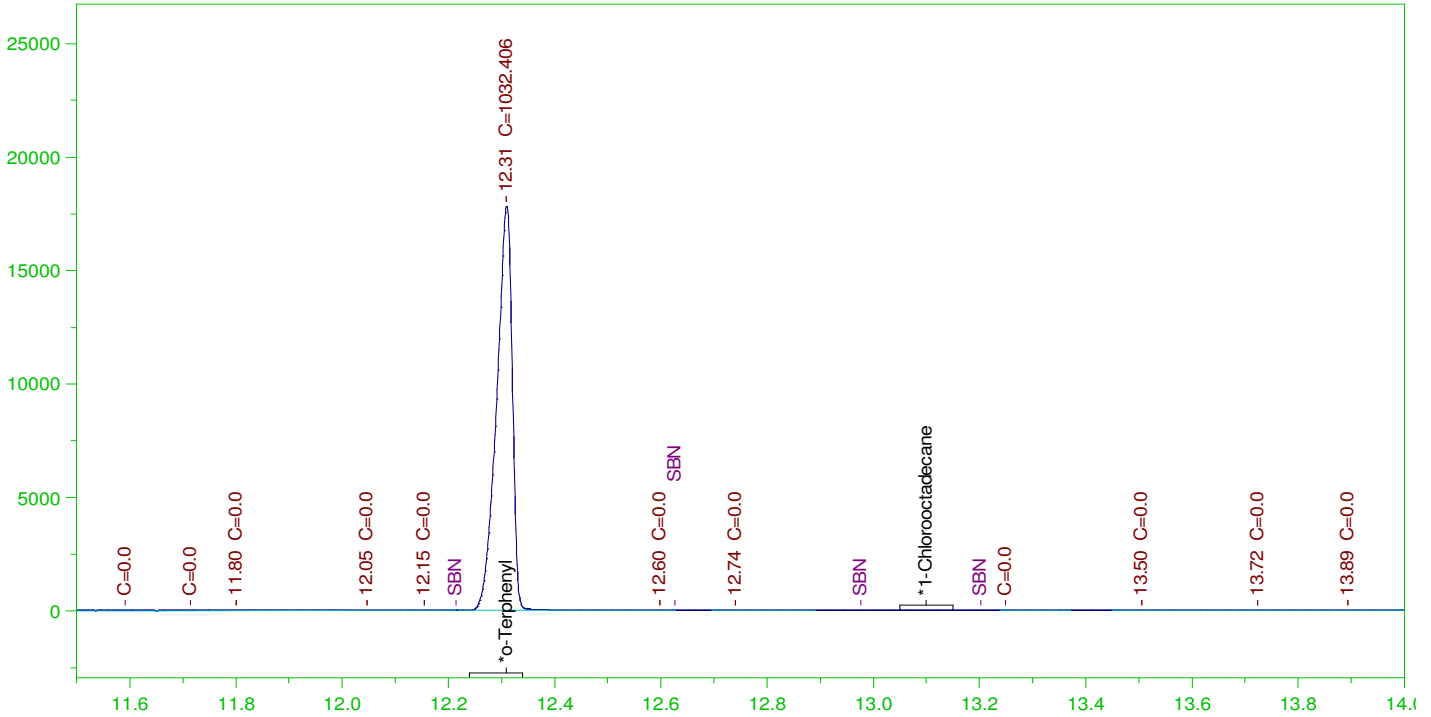
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0008.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 26.34         | .18       | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.3   | 200.   | 511.332  | 255.67 | 85-115 |
| *1-Chlorooctadecane | 15.798 | 200.   | .        | .      | 85-115 |

G:\org\HP5\DAT\HP5110221\_b\1102HP5.0009.RAW

CCV\_1102HP509r, CAL5 ;1102HP5 , 1000 ug per mL OTP



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP509r, CAL5 ;1102HP5 , 1000 ug per mL OTP  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0009.RAW  
 Date & Time Acquired: 11/2/2021 12:49:02 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-IA-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.31  | 200.   | 1032.406 | 516.2 | - |
| *1-Chlorooctadecane | 15.803 | 200.   | .        | .     | - |

DRO Area:461032.4 DRO Amount: 14.70448  
 TEH Area:724020.4 TEH Amount: 23.0924

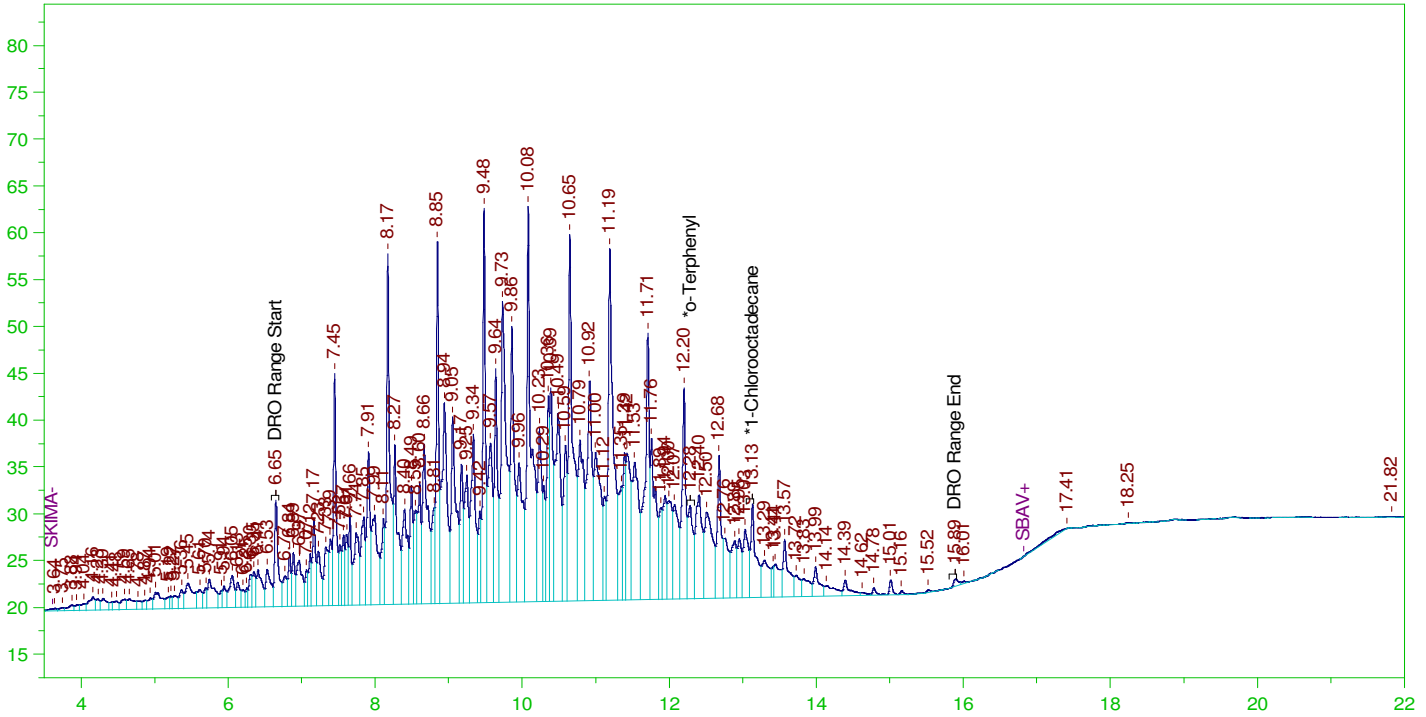
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0009.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 23.09         | .15       | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|---------------------|--------|--------|----------|-------|--------|
| *o-Terphenyl        | 12.31  | 200.   | 1032.406 | 516.2 | 85-115 |
| *1-Chlorooctadecane | 15.803 | 200.   | .        | .     | 85-115 |

G:\org\HP5\DAT\HP5110221\_b\1102HP5.0010.RAW

CCV\_1102HP510r, CAL1 ;1102HP5 , 150 ug per mL Diesel



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP510r, CAL1 ;1102HP5 , 150 ug per mL Diesel  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0010.RAW  
 Date & Time Acquired: 11/2/2021 1:32:06 PM  
 Method File: G:\Org\HP5\Methods\DC\_8015-IA-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.285 | 200.   | 1.416    | .71  | - |
| *1-Chlorooctadecane | 13.13  | 200.   | 1.44     | .72  | - |

DRO Area:4571415 DRO Amount: 145.8038  
 TEH Area:4865557 TEH Amount: 155.1854

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0010.RAW

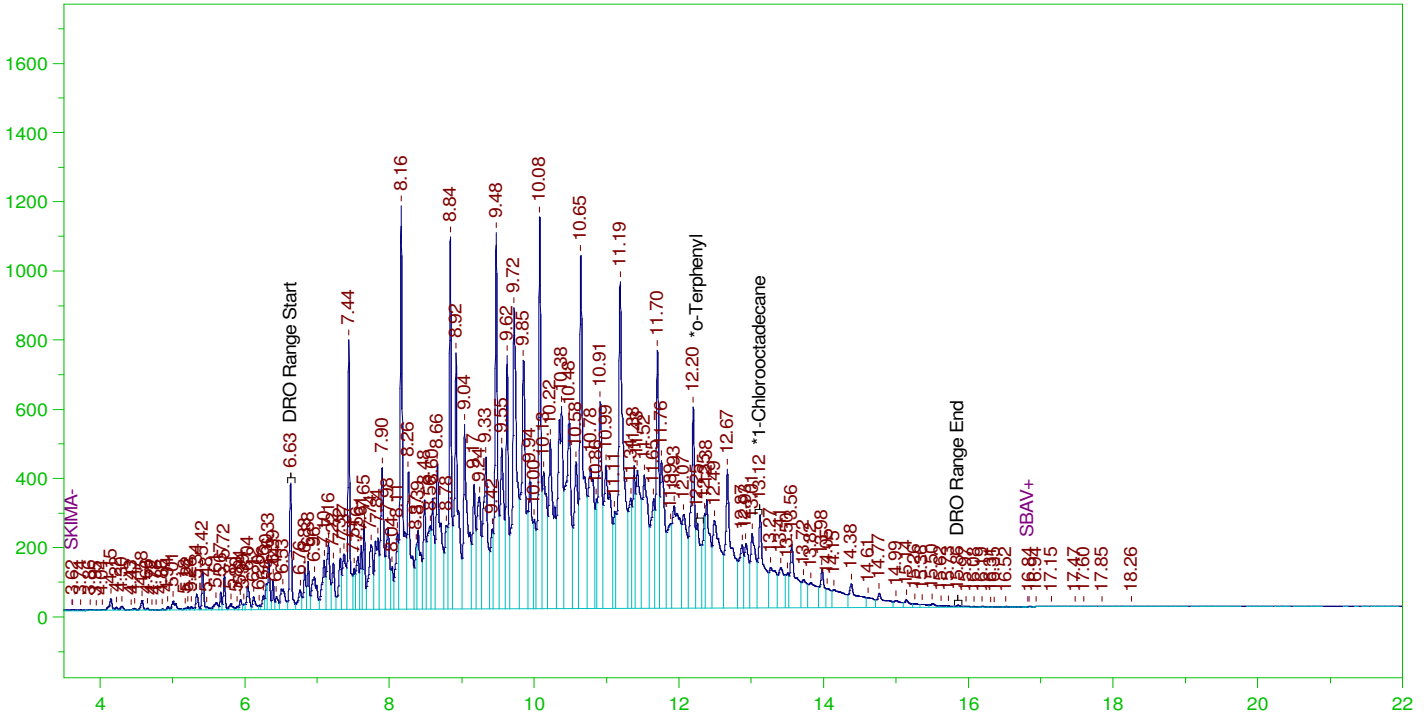
| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 155.19        | 1.03      | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC | LIMITS |
|---------------------|--------|--------|----------|------|--------|
| *o-Terphenyl        | 12.285 | 200.   | 1.416    | .71  | 85-115 |
| *1-Chlorooctadecane | 13.13  | 200.   | 1.44     | .72  | 85-115 |



G:\org\HP5\DAT\HP5110221\_b\1102HP5.0011.RAW

CCV\_1102HP511r, CAL2 ;1102HP5 , 3750 ug per mL Diesel



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP511r, CAL2 ;1102HP5 , 3750 ug per mL Diesel  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0011.RAW  
 Date & Time Acquired: 11/2/2021 2:15:08 PM  
 Method File: G:\Org\HP5\Methods\DC\_8015-IA-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.252 | 200.   | 28.988   | 14.49 | - |
| *1-Chlorooctadecane | 13.122 | 200.   | 39.19    | 19.59 | - |

DRO Area: 1.131291E+08 DRO Amount: 3608.216  
 TEH Area: 1.159464E+08 TEH Amount: 3698.073

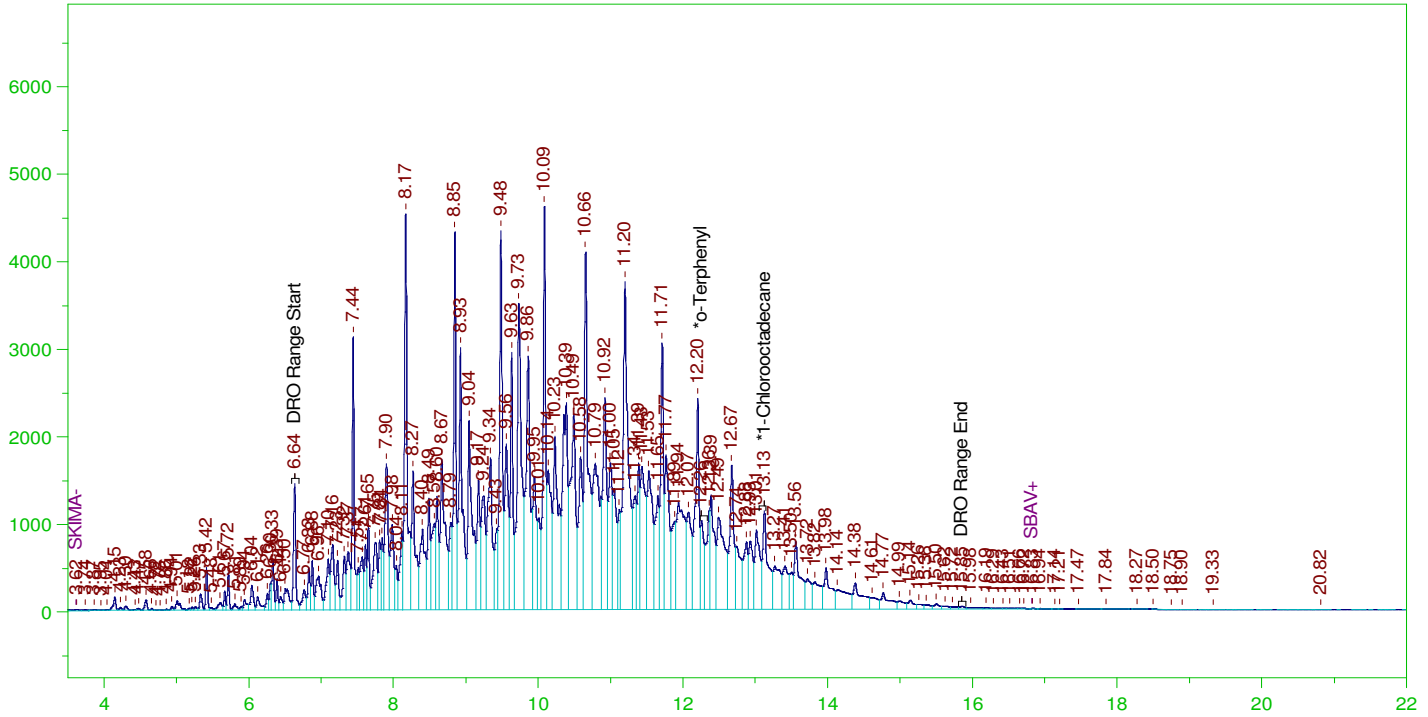
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0011.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 3698.07       | 24.65     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|---------------------|--------|--------|----------|-------|--------|
| *o-Terphenyl        | 12.252 | 200.   | 28.988   | 14.49 | 85-115 |
| *1-Chlorooctadecane | 13.122 | 200.   | 39.19    | 19.59 | 85-115 |

G:\org\HP5\DAT\HP5110221\_b\1102HP5.0012.RAW

CCV\_1102HP512r, CAL3 ;1102HP5 , 15000 ug per mL Diesel



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP512r, CAL3 ;1102HP5 , 15000 ug per mL Diesel  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0012.RAW  
 Date & Time Acquired: 11/2/2021 2:58:26 PM  
 Method File: G:\Org\HP5\Methods\DC\_8015-IA-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.257 | 200.   | 92.35    | 46.18 |
| *1-Chlorooctadecane | 13.125 | 200.   | 158.994  | 79.5  |

DRO Area: 4.667999E+08 DRO Amount: 14888.43  
 TEH Area: 4.785279E+08 TEH Amount: 15262.49

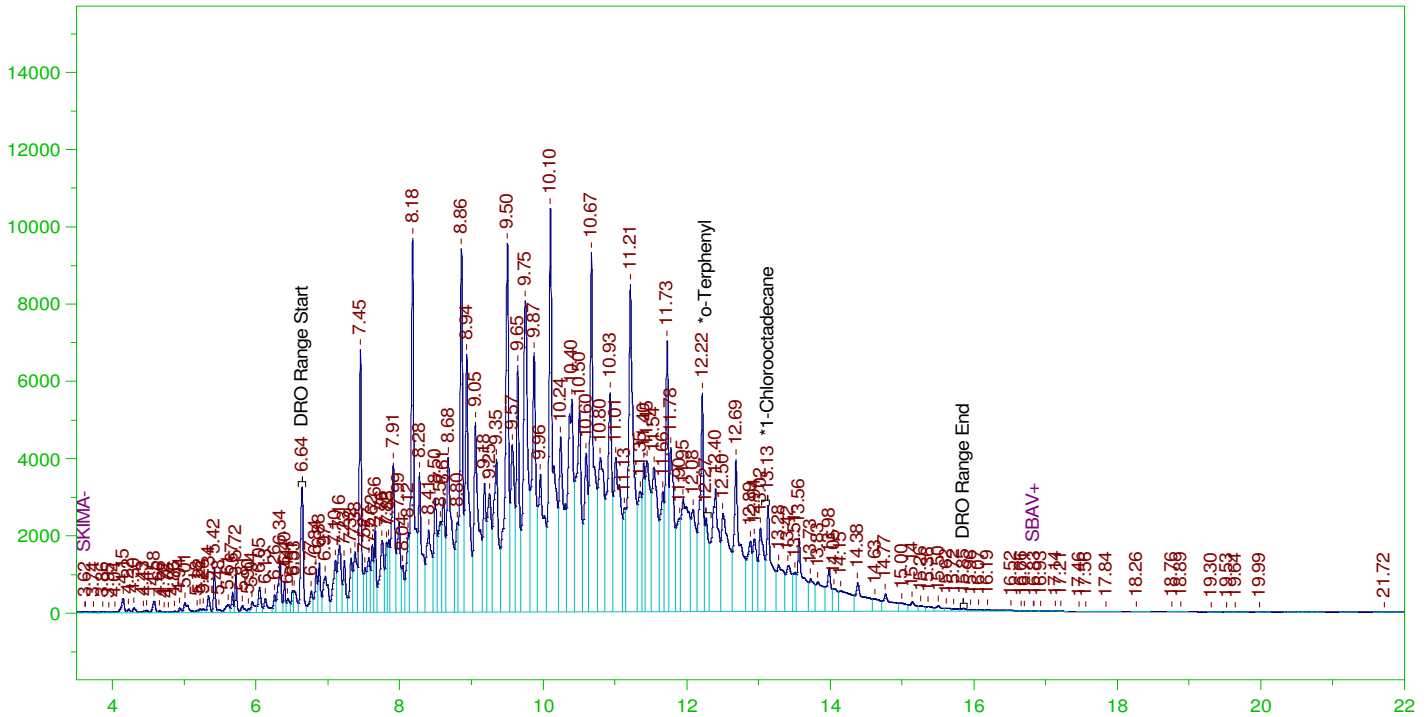
**CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0012.RAW**

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 15262.49      | 101.75    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|---------------------|--------|--------|----------|-------|--------|
| *o-Terphenyl        | 12.257 | 200.   | 92.35    | 46.18 | 85-115 |
| *1-Chlorooctadecane | 13.125 | 200.   | 158.994  | 79.5  | 85-115 |

G:\org\HP5\DAT\HP5110221\_b\1102HP5.0013.RAW

CCV\_1102HP513r, CAL4 ;1102HP5 , 37500ug per mL Diesel



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP513r, CAL4 ;1102HP5 , 37500ug per mL Diesel  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0013.RAW  
 Date & Time Acquired: 11/2/2021 3:41:37 PM  
 Method File: G:\Org\HP5\Methods\DC\_8015-IA-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.268 | 200.   | 238.956  | 119.48 |
| *1-Chlorooctadecane | 13.133 | 200.   | 386.008  | 193.   |

DRO Area:1.118993E+09 DRO Amount: 35689.91  
 TEH Area:1.14732E+09 TEH Amount: 36593.41

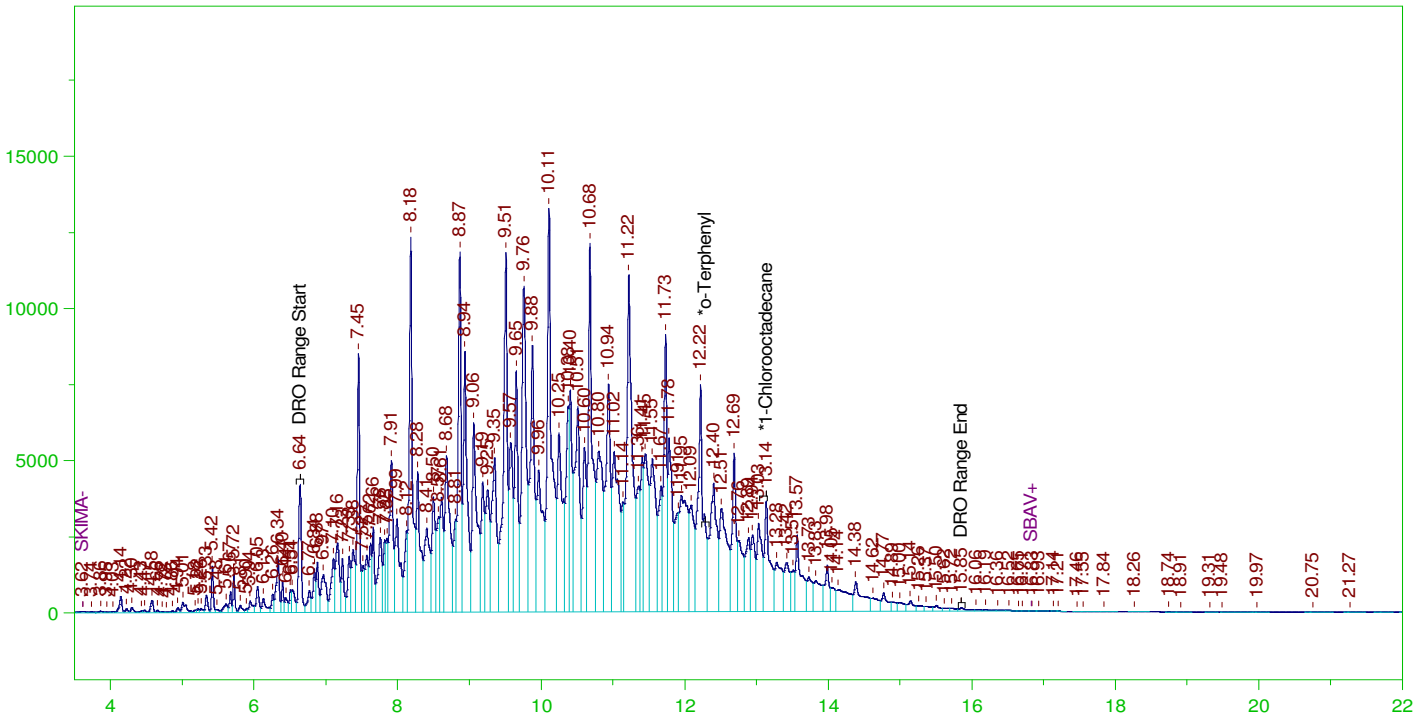
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0013.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 36593.41      | 243.96    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.268 | 200.   | 238.956  | 119.48 | 85-115 |
| *1-Chlorooctadecane | 13.133 | 200.   | 386.008  | 193.   | 85-115 |

G:\org\HP5\DAT\HP5110221\_b\1102HP5.0014.RAW

CCV\_1102HP514r, CAL5 ;1102HP5 , 50000 ug per mL Diesel



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP514r, CAL5 ;1102HP5 , 50000 ug per mL Diesel  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0014.RAW  
 Date & Time Acquired: 11/2/2021 4:24:53 PM  
 Method File: G:\Org\HP5\Methods\DC\_8015-IA-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.59 to 15.91

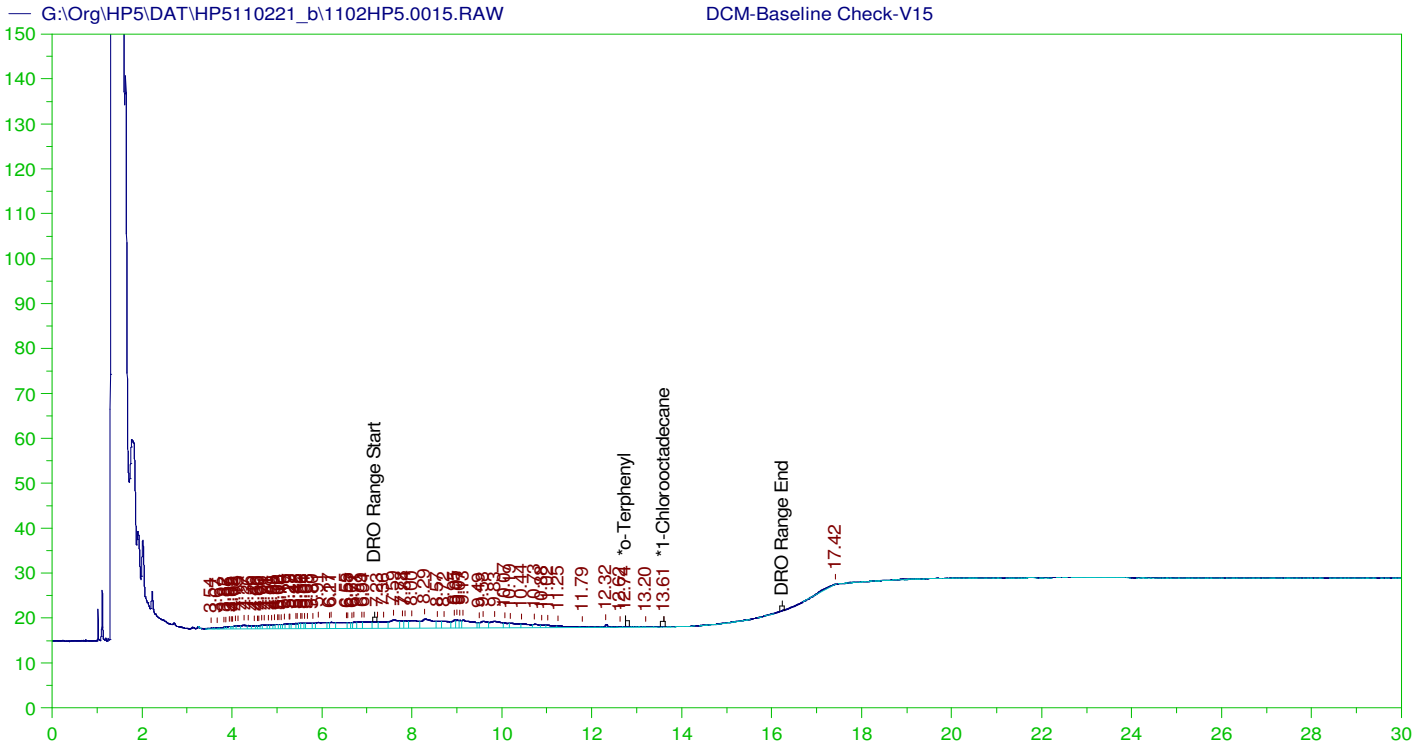
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC     |
|---------------------|--------|--------|----------|----------|
| *o-Terphenyl        | 29.921 | 200.   | .        | -        |
| *1-Chlorooctadecane | 13.135 | 200.   | 512.63   | 256.31 - |

DRO Area: 1.507978E+09 DRO Amount: 48096.49  
 TEH Area: 1.54564E+09 TEH Amount: 49297.7

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0014.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 49297.7       | 328.65    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 29.921 | 200.   | .        | .      | 85-115 |
| *1-Chlorooctadecane | 13.135 | 200.   | 512.63   | 256.31 | 85-115 |



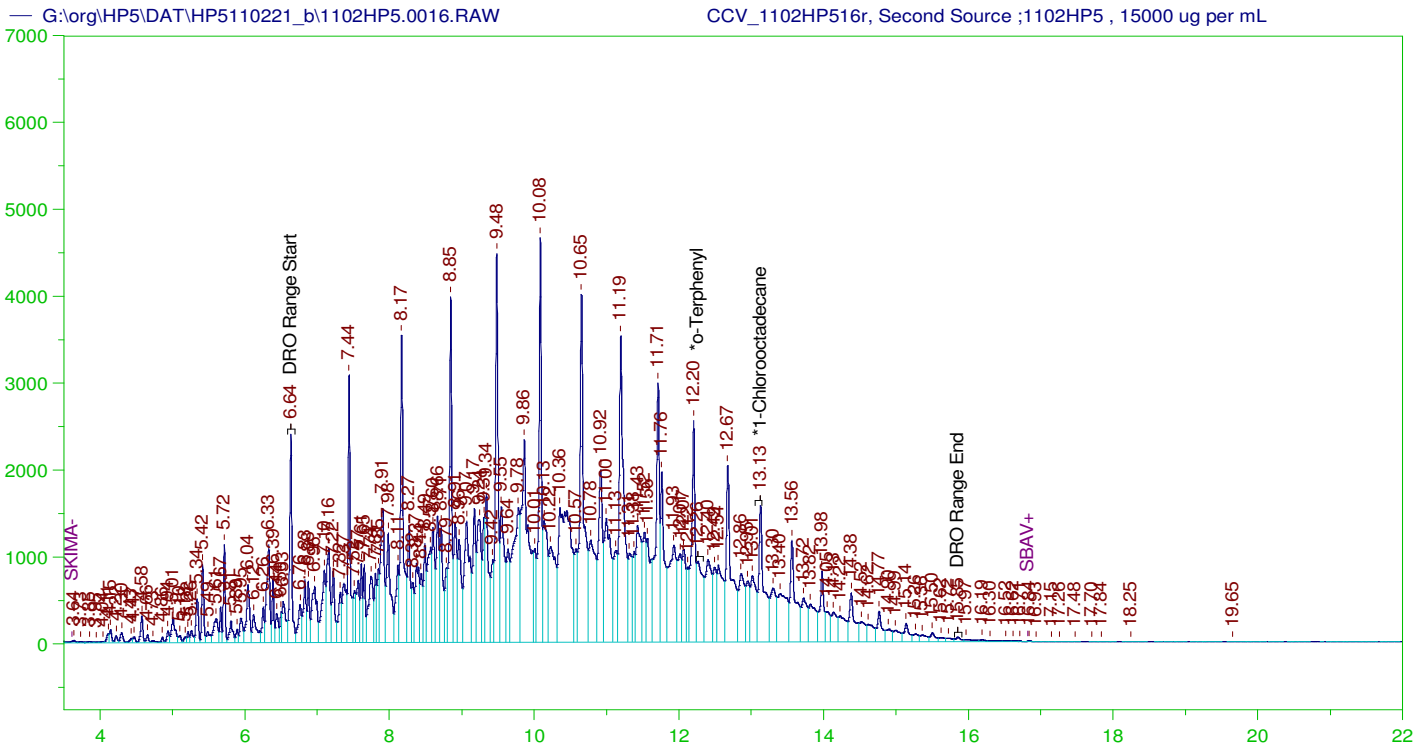
**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V15  
 Raw File: G:\Org\HP5\DAT\HP5110221\_b\1102HP5.0015.RAW  
 Date & Time Acquired: 11/2/2021 5:08:11 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HP-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108HP.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33  
 Rt range for Diesel Range Organics: 7.125 to 16.28

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.744 | 200.   | .041     | .02  | - |
| *1-Chlorooctadecane | 13.606 | 200.   | .017     | .01  | - |

DRO Area:305831.5 DRO Amount: 10.38219  
 TEH Area:517467.1 TEH Amount: 17.56667



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1102HP516r, Second Source ;1102HP5 , 15000 ug per mL  
 Raw File: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0016.RAW  
 Date & Time Acquired: 11/2/2021 5:51:31 PM  
 Method File: G:\Org\HP5\Methods\DC\_8015-IA-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.59 to 15.91

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.261 | 200.   | 146.398  | 73.2   |
| *1-Chlorooctadecane | 13.127 | 200.   | 209.876  | 104.94 |

DRO Area: 4.432555E+08 DRO Amount: 14137.49  
 TEH Area: 4.699825E+08 TEH Amount: 14989.94

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5110221\_b\1102HP5.0016.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 14989.94      | 99.93     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.261 | 200.   | 146.398  | 73.2   | 85-115 |
| *1-Chlorooctadecane | 13.127 | 200.   | 209.876  | 104.94 | 85-115 |

| Write Sequence | Data File | Sample Name   | Method                                 | Weight | Dil Factor | Amt Inj. | IS | Cal ID | Manul Integrations  |
|----------------|-----------|---|--|--------|------------|----------|----|--------|---|
|                |           | CCV_1102HP508r, DRO ;1102HP5 , DRO211025A   | G:\Org\HP5\Methods\DC_8015-IA-L%.met   | 1      | 1          | 1        | 1  | 0      | No integrations   |
|                |           | DCM-Baseline Check-V04  | G:\Org\HP5\Methods\DR_8015-HP-LEXP.met | 1      | 1          | 1        | 1  | 0      | No integrations   |
|                |           | CCV_1102HP505r, CAL1 ;1102HP5 , 2 ug per mL OTP (10 uL of Cal3 + 990 uL DCM(14408)                    | G:\Org\HP5\Methods\DS_8015-IA-L#.met   | 1      | 1          | 1        | 1  | 0      | Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.21 and slightly after the surrogate peak at 12.63 and scaling showing surrogate peak from 11.5-14. |
|                |           | CCV_1102HP506r, CAL2 ;1102HP5 , 50 ug per mL OTP (100 uL Cal4 + 900 uL of DCM(14408)                  | G:\Org\HP5\Methods\DS_8015-IA-L#.met   | 1      | 1          | 1        | 1  | 0      | Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.21 and slightly after the surrogate peak at 12.63 and scaling showing surrogate peak from 11.5-14. |
|                |           | CCV_1102HP507r, CAL3 ;1102HP5 , 200 ug per mL OTP (100uL of Cal5 + 400 uL DCM(14408)                  | G:\Org\HP5\Methods\DS_8015-IA-L#.met   | 1      | 1          | 1        | 1  | 0      | Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.21 and slightly after the surrogate peak at 12.63 and scaling showing surrogate peak from 11.5-14. |
|                |           | CCV_1102HP508r, CAL4 ;1102HP5 , 500 ug per mL OTP (250uL of Cal5 + 250 uL DCM(14408)                  | G:\Org\HP5\Methods\DS_8015-IA-L#.met   | 1      | 1          | 1        | 1  | 0      | Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.21 and slightly after the surrogate peak at 12.63 and scaling showing surrogate peak from 11.5-14. |
|                |           | CCV_1102HP509r, CAL5 ;1102HP5 , 1000 ug per mL OTP (250 uL 4000 ug/mL OTP DRO211011A + 750 DCM(14408) | G:\Org\HP5\Methods\DS_8015-IA-L#.met   | 1      | 1          | 1        | 1  | 0      | Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.21 and slightly after the surrogate peak at 12.63 and scaling showing surrogate peak from 11.5-14. |
|                |           | CCV_1102HP510r, CAL1 ;1102HP5 , 150 ug per mL Diesel (10 uL of Cal3 + 990 uL DCM(14408),              | G:\Org\HP5\Methods\DC_8015-IA-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 baseline. Assigned Set Baseline All Valley on at 16.83                                |
|                |           | CCV_1102HP511r, CAL2 ;1102HP5 , 3750 ug per mL Diesel (100 uL Cal4 + 900 uL of DCM(14408)             | G:\Org\HP5\Methods\DC_8015-IA-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 baseline. Assigned Set Baseline All Valley on at 17.5                                 |
|                |           | CCV_1102HP512r, CAL3 ;1102HP5 , 15000 ug per mL Diesel (300 uL of DRO211012A + 700 uL DCM(14408)      | G:\Org\HP5\Methods\DC_8015-IA-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 baseline. Assigned Set Baseline All Valley on at 17.5                                 |
|                |           | CCV_1102HP513r, CAL4 ;1102HP5 , 37500ug per mL Diesel (750 uL of DRO211012A + 250 uL DCM(14408)       | G:\Org\HP5\Methods\DC_8015-IA-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 baseline. Assigned Set Baseline All Valley on at 17.5                                 |
|                |           | CCV_1102HP514r, CAL5 ;1102HP5 , 50000 ug per mL Diesel (200 uL of DRO211012A)                         | G:\Org\HP5\Methods\DC_8015-IA-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 baseline. Assigned Set Baseline All Valley on at 17.5                                 |
|                |           | DCM-Baseline Check-V15  | G:\Org\HP5\Methods\DR_8015-HP-LEXP.met | 1      | 1          | 1        | 1  | 0      | No integrations   |
|                |           | CCV_1102HP516r, Second Source ;1102HP5 , 15000 ug per mL (100uL of DRO211012B + 900uL DCM(14408)      | G:\Org\HP5\Methods\DC_8015-IA-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 baseline. Assigned Set Baseline All Valley on at 17.5                                 |

*Ann Nebel*

Digitally signed by  
Ann Nebel  
Date: 2021.11.09 12:32:44 -07:00

# Energy Laboratories Inc

# ANALYTICAL RUN Summary

31-Mar-21

Run ID GCFID-HP5-B\_210218B

|   |
|---|
| <b>Run Start Date:</b> 2/18/2021                                |
| <b>Analyst:</b> Ann Nebel                                       |
| <b>Ical:</b>  |
| <b>Column ID:</b>   |
| <b>Comments:</b> 8015 OIL range calibration<br>SW8015_OIL210218 |

| Std ID     | Std Name                                  | Std Amount | Std Units | Samp Amount | Samp Units | SampType | Expiration Date |
|------------|---|------------|-----------|-------------|------------|----------|-----------------|
| DRO180918C | 50,000 ug/mL Oil Std For AK103 RRO-In DCM |            |           |             |            | CAL      | 8/31/2025       |
| DRO210204A | Carbon Scan STD                           |            |           |             |            | MARKER   | 3/5/2028        |
| DRO210217A | 20,000 ug/mL Oil Std For AK103 RRO-In DCM |            |           |             |            | ICV      | 8/23/2021       |

| Seq No         | Lab ID       | Test Code    | Sample Typ | File ID      | Analysis Date    | DF           | Batch ID      | Prep Date     | SPKref     | RPDref     | pmoist     |             |            |             |             |          |
|----------------|--------------|--------------|------------|--------------|------------------|--------------|---------------|---------------|------------|------------|------------|-------------|------------|-------------|-------------|----------|
| 14282665       | CCV_0218HP50 | HC-8015-DRO- | CAL1       |              | 2/18/2021 12:03: | 1            | R356533       |               | 0          | 0          |            |             |            |             |             |          |
| <b>Analyte</b> | <b>T</b>     | <b>Units</b> | <b>RAW</b> | <b>Final</b> | <b>Text</b>      | <b>Spike</b> | <b>SPKref</b> | <b>RPDref</b> | <b>MDL</b> | <b>PQL</b> | <b>UQL</b> | <b>%REC</b> | <b>LOW</b> | <b>HIGH</b> | <b>%RPD</b> | <b>Q</b> |
| TEH(Oil Range) | A            | mg/L         |            | 0.1468323    |                  | 0.15         | 0             | 0             | 0          | 0.3        | 0          | 98%         | 80         | 120         | 0%          |          |
| Seq No         | Lab ID       | Test Code    | Sample Typ | File ID      | Analysis Date    | DF           | Batch ID      | Prep Date     | SPKref     | RPDref     | pmoist     |             |            |             |             |          |
| 14282666       | CCV_0218HP50 | HC-8015-DRO- | CAL2       |              | 2/18/2021 1:27:3 | 1            | R356533       |               | 0          | 0          |            |             |            |             |             |          |
| <b>Analyte</b> | <b>T</b>     | <b>Units</b> | <b>RAW</b> | <b>Final</b> | <b>Text</b>      | <b>Spike</b> | <b>SPKref</b> | <b>RPDref</b> | <b>MDL</b> | <b>PQL</b> | <b>UQL</b> | <b>%REC</b> | <b>LOW</b> | <b>HIGH</b> | <b>%RPD</b> | <b>Q</b> |
| TEH(Oil Range) | A            | mg/L         |            | 1.062811     |                  | 1            | 0             | 0             | 0.15       | 0.3        | 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     |             |            |             |             |          |
| 14282667       | CCV_0218HP50 | HC-8015-DRO- | CAL3       |              | 2/18/2021 2:51:0 | 1            | R356533       |               | 0          | 0          |            |             |            |             |             |          |
| <b>Analyte</b> | <b>T</b>     | <b>Units</b> | <b>RAW</b> | <b>Final</b> | <b>Text</b>      | <b>Spike</b> | <b>SPKref</b> | <b>RPDref</b> | <b>MDL</b> | <b>PQL</b> | <b>UQL</b> | <b>%REC</b> | <b>LOW</b> | <b>HIGH</b> | <b>%RPD</b> | <b>Q</b> |
| TEH(Oil Range) | A            | mg/L         |            | 5.035713     |                  | 5            | 0             | 0             | 0.15       | 0.3        | 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 |      |     |      |      |   |
|----------------|--------------|--------------|------------|----------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| 14282668       | CCV_0218HP50 | HC-8015-DRO- | CAL4       |          | 2/18/2021 4:14:3 | 1     | R356533  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte        | T            | Units        | RAW        | Final    | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range) | A            | mg/L         |            | 14.69295 |                  | 15    | 0        | 0         | 0.15   | 0.3    | 0      | 98%  | 80  | 120  | 0%   |   |
| Seq No         | Lab ID       | Test Code    | Sample Typ | File ID  | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
| 14282669       | CCV_0218HP51 | HC-8015-DRO- | CAL5       |          | 2/18/2021 5:38:3 | 1     | R356533  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte        | T            | Units        | RAW        | Final    | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range) | A            | mg/L         |            | 28.20769 |                  | 30    | 0        | 0         | 0.15   | 0.3    | 0      | 94%  | 80  | 120  | 0%   |   |
| Seq No         | Lab ID       | Test Code    | Sample Typ | File ID  | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
| 14282670       | CCV_0218HP51 | HC-8015-DRO- | ICV        |          | 2/18/2021 8:27:3 | 1     | R356533  |           | 0      | 0      |        |      |     |      |      |   |
| Analyte        | T            | Units        | RAW        | Final    | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range) | A            | mg/L         |            | 5.474465 |                  | 5     | 0        | 0         | 0.15   | 0.3    | 0      | 109% | 80  | 120  | 0%   |   |

| Write Sequence | Data File | Sample Name   | Method                                     | Weight | Dil Factor | Amt Inj. | IS | Cal ID |
|----------------|-----------|---|--|--------|------------|----------|----|--------|
|                |           | Marker_0218HP501r, DRO C40_0218HP5_0218HP5 , DRO210204A   | G:\Org\HP5-Methods\CSC210212.met           | 1      | 1          | 1        | 1  | 0      |
|                |           | DCM-Baseline Check-V02  | G:\Org\HP5-Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_0218HP503r, CAL1_0218HP5 , 150 ug per mL Oil (10 uL of Cal4 + 990 uL DCM(13510))            | G:\Org\HP5-Methods\DR_OIL-021803-AA-L0.MET | 1      | 1          | 1        | 1  | 0      |
|                |           | DCM-Baseline Check-V04  | G:\Org\HP5-Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_0218HP505r, CAL2_0218HP5 , 1000 ug per mL Oil (200 uL of Cal 3 +800 uL DCM(13510))          | G:\Org\HP5-Methods\DR_OIL-021805-AA-L0.MET | 1      | 1          | 1        | 1  | 0      |
|                |           | DCM-Baseline Check-V06  | G:\Org\HP5-Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_0218HP507r, CAL3_0218HP5 , 5000 ug per mL Oil (100 uL of DRO180918C + 900 uL DCM(13510))    | G:\Org\HP5-Methods\DR_OIL-021807-AA-L0.MET | 1      | 1          | 1        | 1  | 0      |
|                |           | DCM-Baseline Check-V08  | G:\Org\HP5-Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_0218HP509r, CAL4_0218HP5 , 15000 ug per mL Oil (200 uL of CAL5 + 200 uL DCM(13510))         | G:\Org\HP5-Methods\DR_OIL-021807-AA-L0.MET | 1      | 1          | 1        | 1  | 0      |
|                |           | DCM-Baseline Check-V10  | G:\Org\HP5-Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_0218HP511r, CAL5_0218HP5 , 30000 ug per mL Oil (600 uL of DRO180918C + 400 uL of DCM)       | G:\Org\HP5-Methods\DR_OIL-021811-AA-L0.MET | 1      | 1          | 1        | 1  | 0      |
|                |           | DCM-Baseline Check-V12  | G:\Org\HP5-Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1        | 1  | 0      |
|                |           | DCM-Baseline Check-V13  | G:\Org\HP5-Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1        | 1  | 0      |
|                |           | DCM-Baseline Check-V14  | G:\Org\HP5-Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1        | 1  | 0      |
|                |           | CCV_0218HP515r, Second Source_0218HP5 , 5000 ug per mL (100uL of DRO210217A + 300uL DCM(13510)) | G:\Org\HP5-Methods\DR_OIL-021811-AA-L0.MET | 1      | 1          | 1        | 1  | 0      |

File Name: G:\Org\HP5\Cals\SW8015C\_OIL210218AA.CAL

Version: 4

Creator: AMN 3/31/2021

Description: DRO-8015-Oil range. New ICal Per 0218HP5 (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

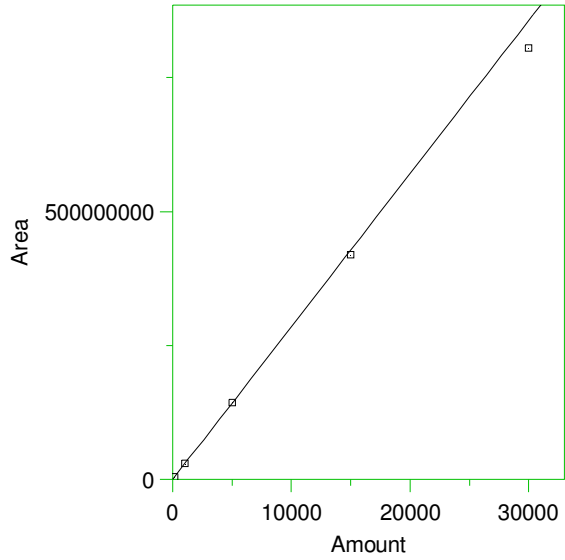
No default component

Method of calculating data point averages: Equal weight for all updates

No calibration update report

All levels are normal data points.

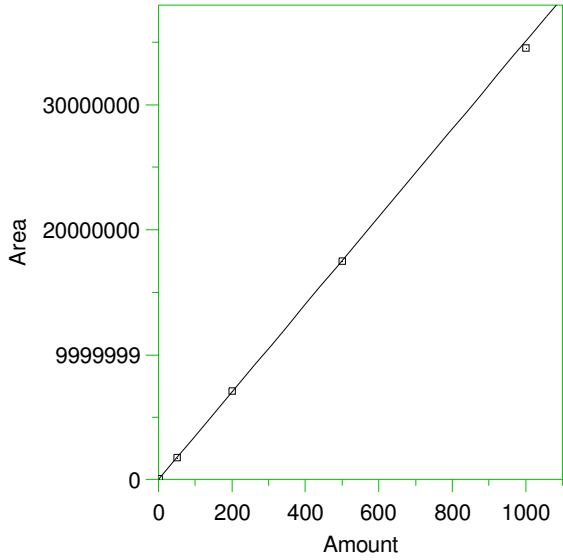
1 DRO Range Start



Expected retention time: 6.54 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  
 $Y = 28542.41 X + 0$   
 Average CF fit with equal weighting, forced to origin  
 Coefficient of determination: 0.9940317  
 Average error: 3.209%  
 Average CF: 28542.41  
 RSD: 4.497%

| Level | Amount | Response     | Cal Factor | Error, % | Source | Date and time         |
|-------|--------|--------------|------------|----------|--------|-----------------------|
| 1     | 150    | 4325287      | 28835.25   | 1.026    | Manual | 3/30/2021 11:50:57 AM |
| 2     | 1000   | 3.03352E+07  | 30335.2    | 6.281    | Manual | 3/30/2021 11:51:41 AM |
| 3     | 5000   | 1.437314E+08 | 28746.28   | 0.714    | Manual | 3/30/2021 11:52:00 AM |
| 4     | 15000  | 4.193721E+08 | 27958.14   | -2.047   | Manual | 3/30/2021 11:52:55 AM |
| 5     | 30000  | 8.051155E+08 | 26837.18   | -5.974   | Manual | 3/30/2021 11:52:32 AM |

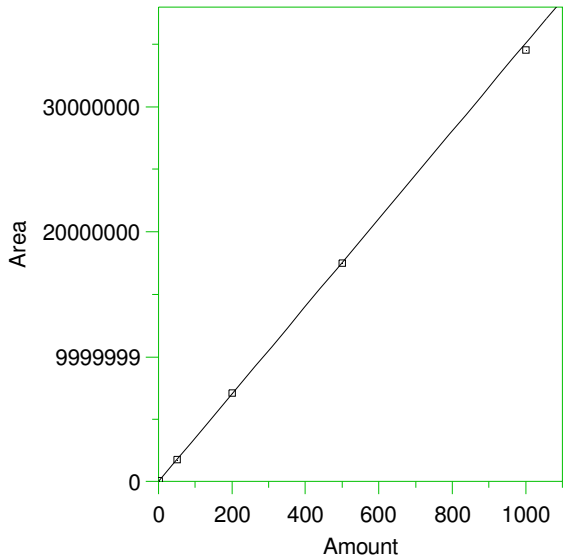
2 \*o-Terphenyl



Expected retention time: 12.14 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%

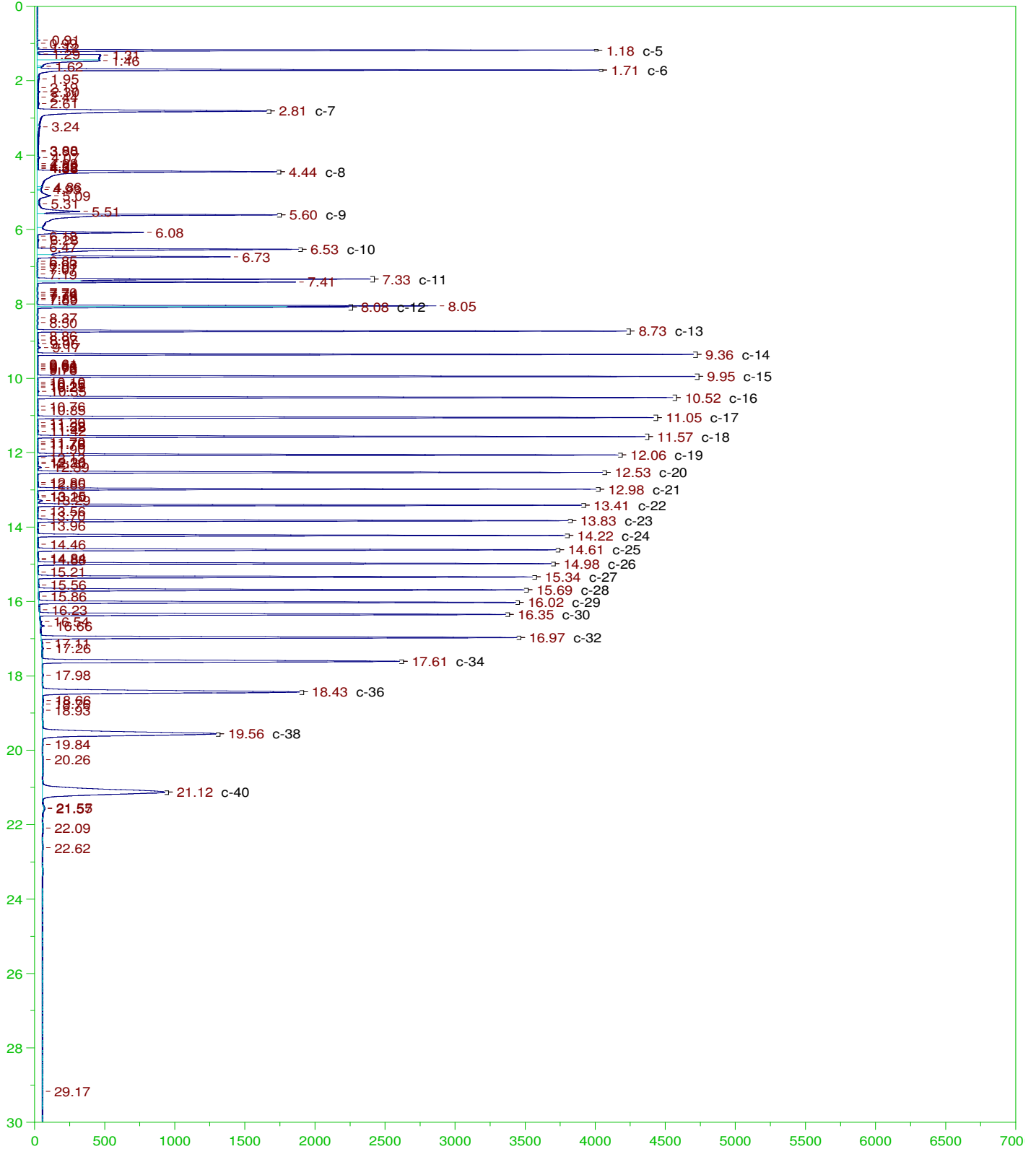
| Level | Amount | Response     | Cal Factor | Error, % | Source                                      | Date and time        |
|-------|--------|--------------|------------|----------|---|----------------------|
| 1     | 2      | 70648.41     | 35324.2    | 0.721    | G:\Org\HP5\DAT\HP5010821_b\0108HP5.0011.BND | 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 |

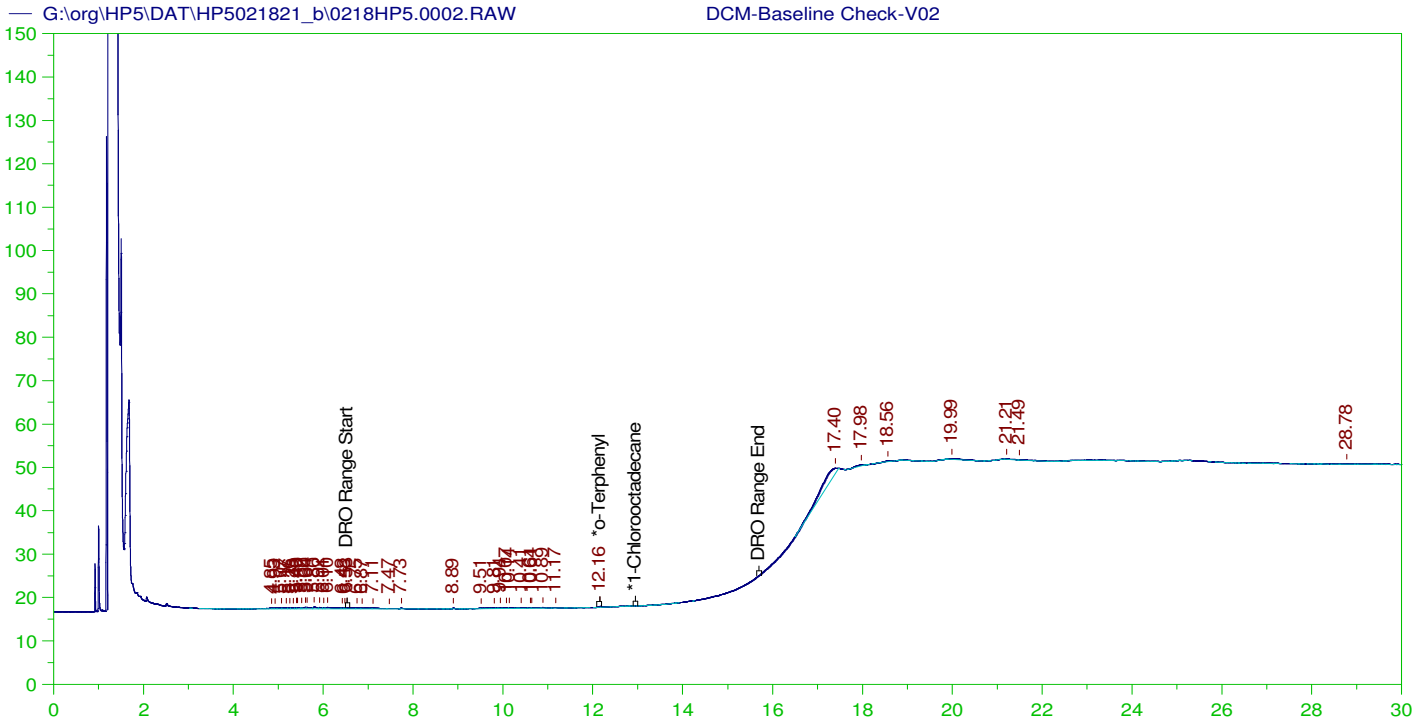
3 \*1-Chlorooctadecane



Expected retention time: 12.95 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: DCM-Baseline Check-V02  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0002.RAW  
 Date & Time Acquired: 2/18/2021 11:21:40 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HE-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108HE.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

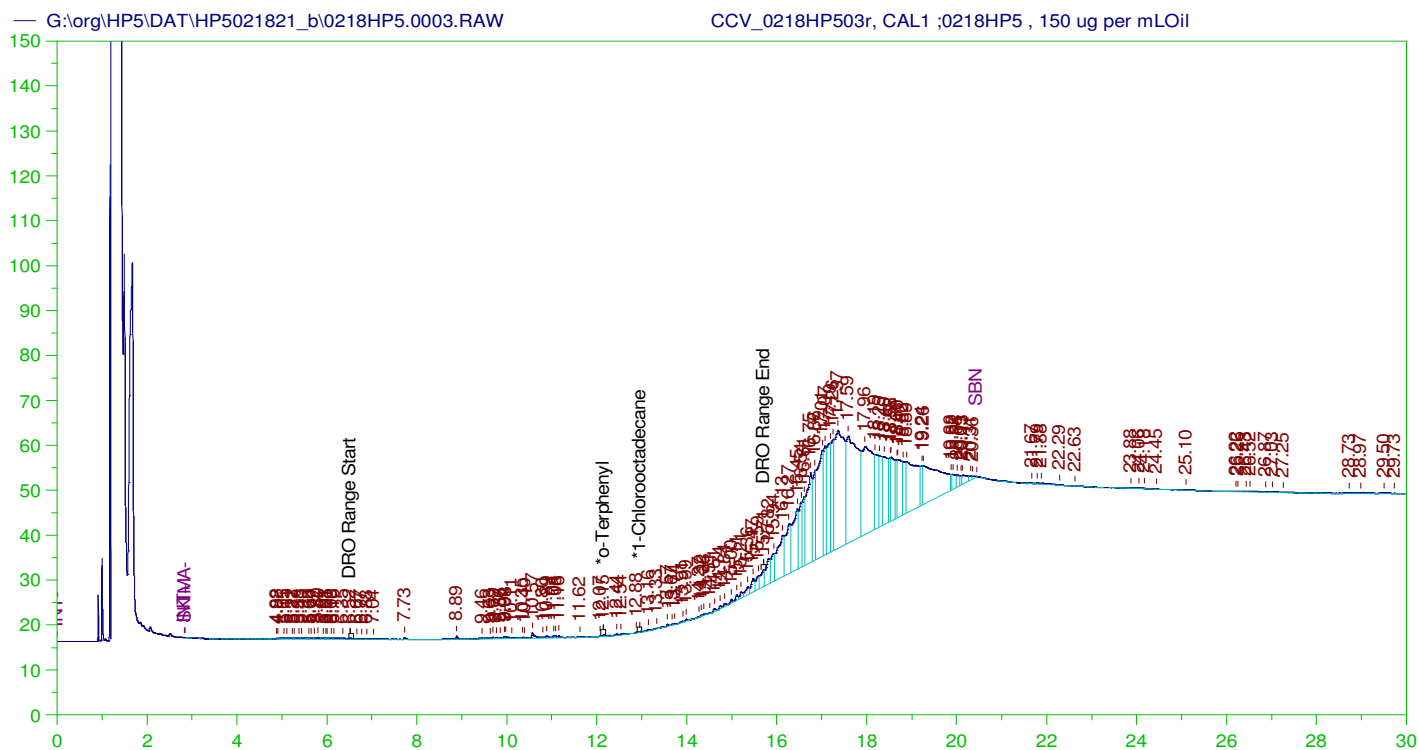
Mean RF for TEH: 29457.33

Rt range for Diesel Range Organics: 6.49 to 15.75

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.158 | 200.   | .034     | .02  |
| *1-Chlorooctadecane | 29.927 | 200.   | .        | .    |

DRO Area:29553.31 DRO Amount: 1.003258  
 TEH Area:144057.3 TEH Amount: 4.890373





**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0218HP503r, CAL1 ;0218HP5 , 150 ug per mL Oil  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0003.RAW  
 Date & Time Acquired: 2/18/2021 12:03:33 PM  
 Method File: G:\ORG\HP5\METHODS\DR\_OIL-021803-AA-L0.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_OIL210218AA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 28542.41  
 Rt range for Diesel Range Organics: 6.49 to 15.75

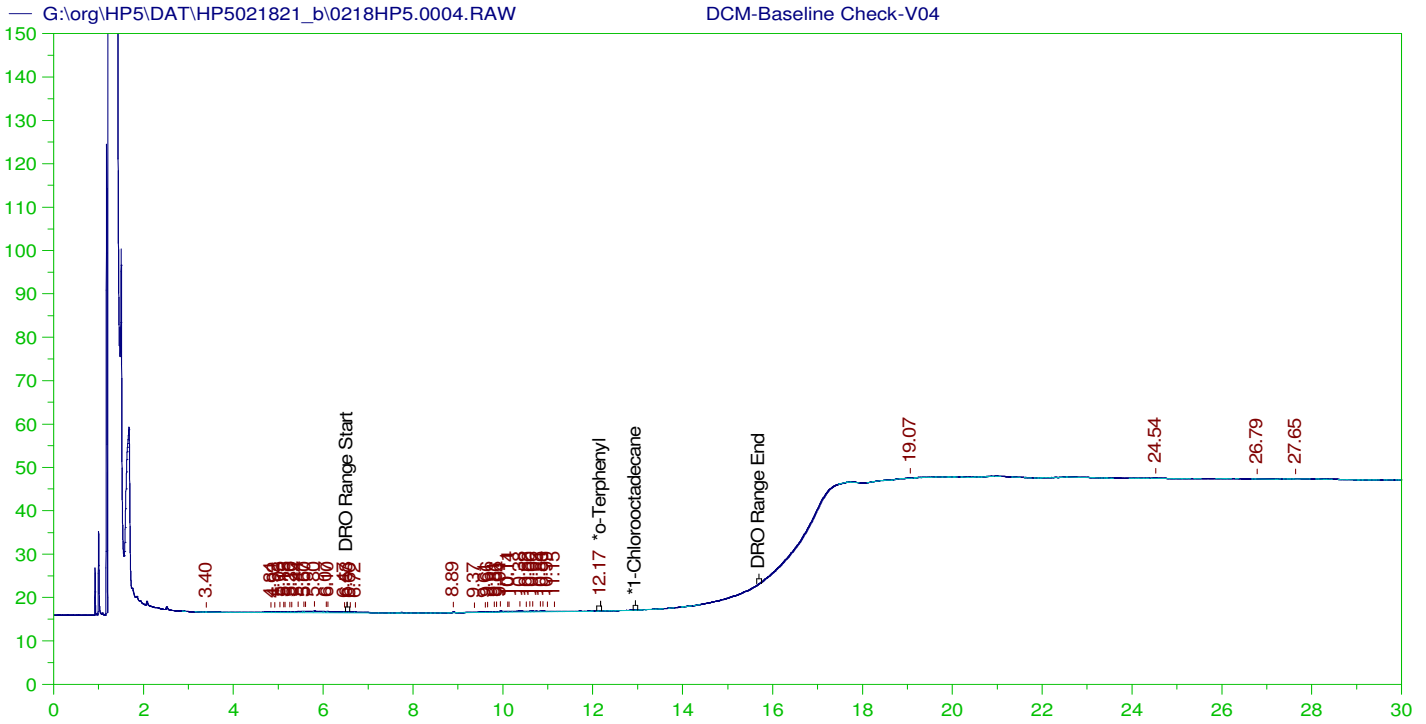
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.146 | 200.   | .02      | .01  |
| *1-Chlorooctadecane | 29.979 | 200.   | .        | .    |

DRO Area: 141843.8 DRO Amount: 4.969579  
 TEH Area: 3766485 TEH Amount: 131.961

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0003.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 5000.       | 131.96        | 2.64      | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC | LIMITS |
|---------------------|--------|--------|----------|------|--------|
| *o-Terphenyl        | 12.146 | 200.   | .02      | .01  | 85-115 |
| *1-Chlorooctadecane | 29.979 | 200.   | .        | .    | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

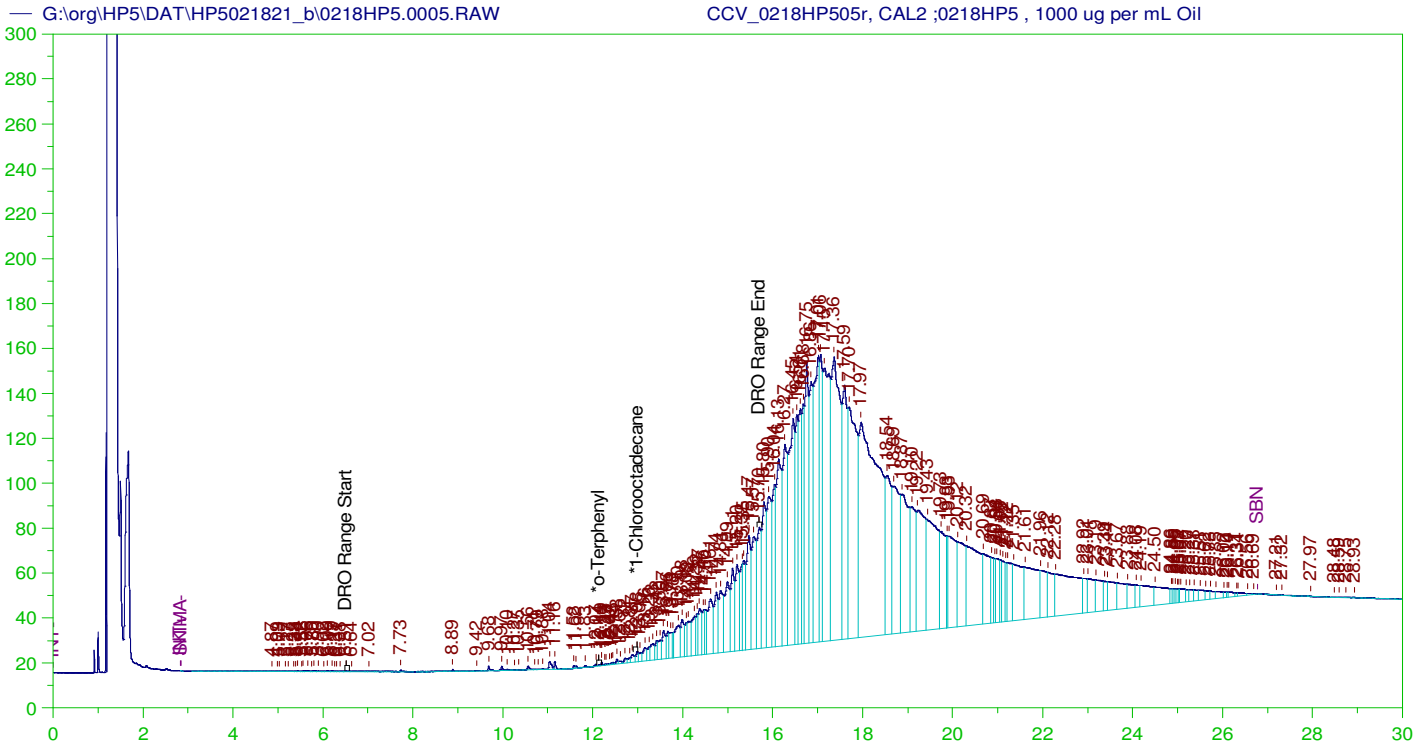
Sample Name: DCM-Baseline Check-V04  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0004.RAW  
 Date & Time Acquired: 2/18/2021 12:45:36 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HE-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108HE.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33

Rt range for Diesel Range Organics: 6.49 to 15.75

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.171 | 200.   | .017     | .01  |
| *1-Chlorooctadecane | 29.958 | 200.   | .        | .    |

DRO Area: 27245.38 DRO Amount: 0.9249101  
 TEH Area: 63574.01 TEH Amount: 2.158173



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0218HP505r, CAL2 ;0218HP5 , 1000 ug per mL Oil  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0005.RAW  
 Date & Time Acquired: 2/18/2021 1:27:30 PM  
 Method File: G:\ORG\HP5\METHODS\DR\_OIL-021805-AA-L0.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_OIL210218AA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 28542.41

Rt range for Diesel Range Organics: 6.49 to 15.75

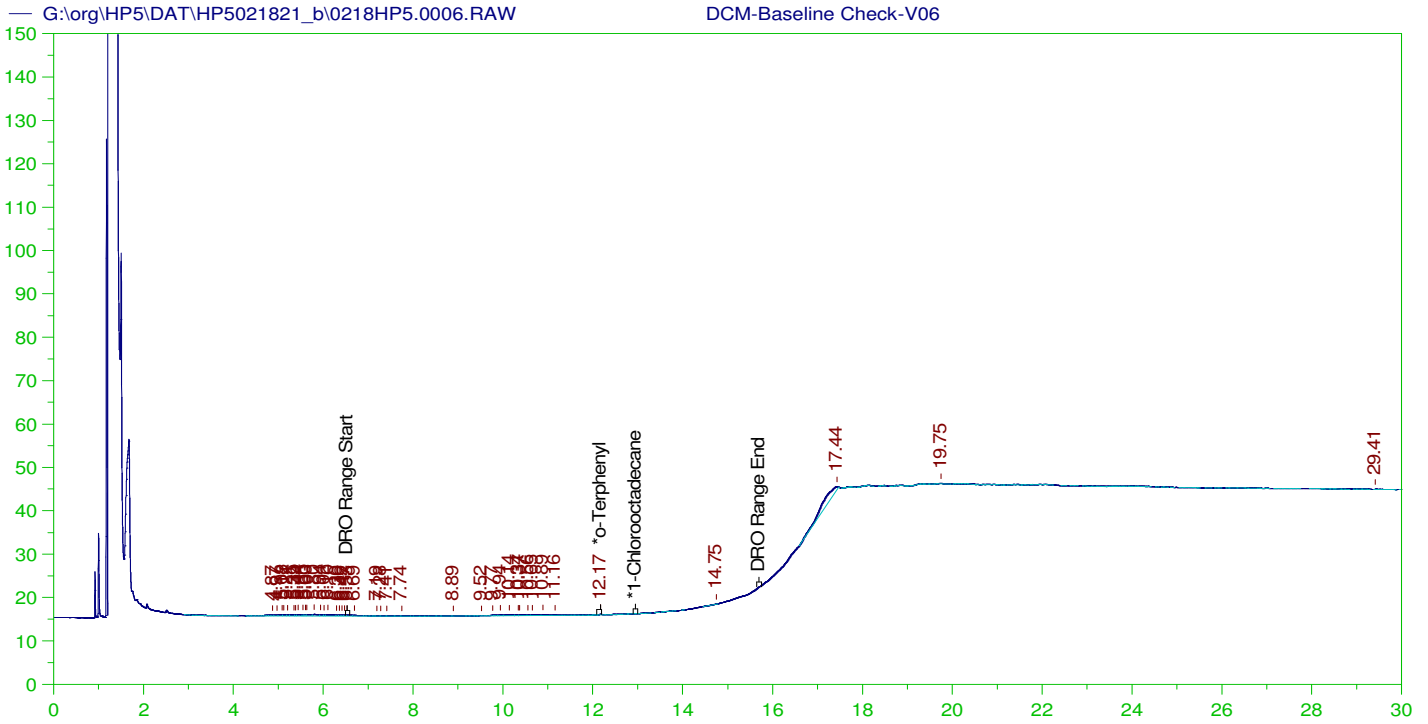
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.136 | 200.   | .034     | .02  |
| *1-Chlorooctadecane | 12.983 | 200.   | .496     | .25  |

DRO Area: 3721460 DRO Amount: 130.3835  
 TEH Area: 3.03352E+07 TEH Amount: 1062.811

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0005.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 5000.       | 1062.81       | 21.26     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC | LIMITS |
|---------------------|--------|--------|----------|------|--------|
| *o-Terphenyl        | 12.136 | 200.   | .034     | .02  | 85-115 |
| *1-Chlorooctadecane | 12.983 | 200.   | .496     | .25  | 85-115 |



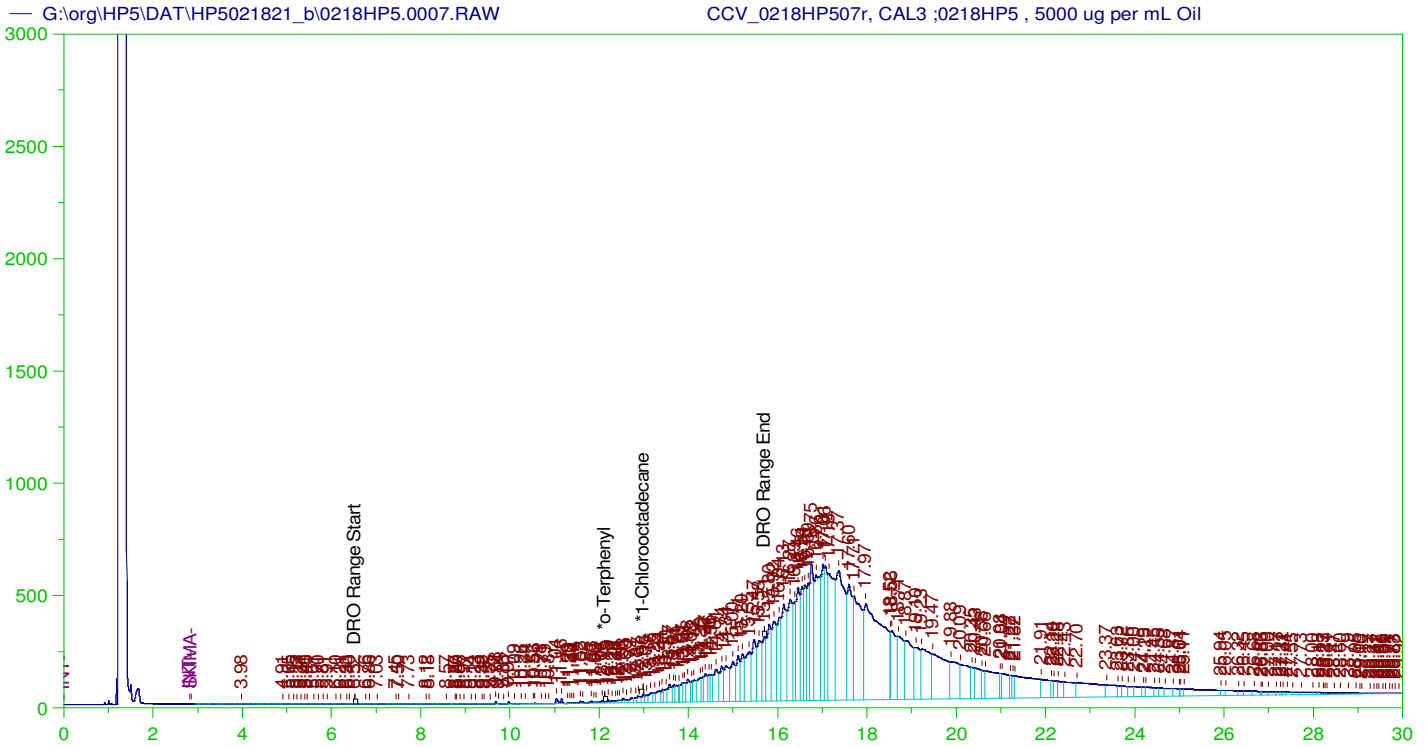
**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V06  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0006.RAW  
 Date & Time Acquired: 2/18/2021 2:09:12 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HE-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108HE.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33  
 Rt range for Diesel Range Organics: 6.49 to 15.75

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.17  | 200.   | .017     | .01 - |
| *1-Chlorooctadecane | 29.977 | 200.   | .        | . -   |

DRO Area:29249.25 DRO Amount: 0.9929362  
 TEH Area:123949.1 TEH Amount: 4.20775



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0218HP507r, CAL3 ;0218HP5 , 5000 ug per mL Oil  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0007.RAW  
 Date & Time Acquired: 2/18/2021 2:51:00 PM  
 Method File: G:\ORG\HP5\METHODS\DR\_OIL-021807-AA-L0.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_OIL210218AA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 28542.41

Rt range for Diesel Range Organics: 6.49 to 15.75

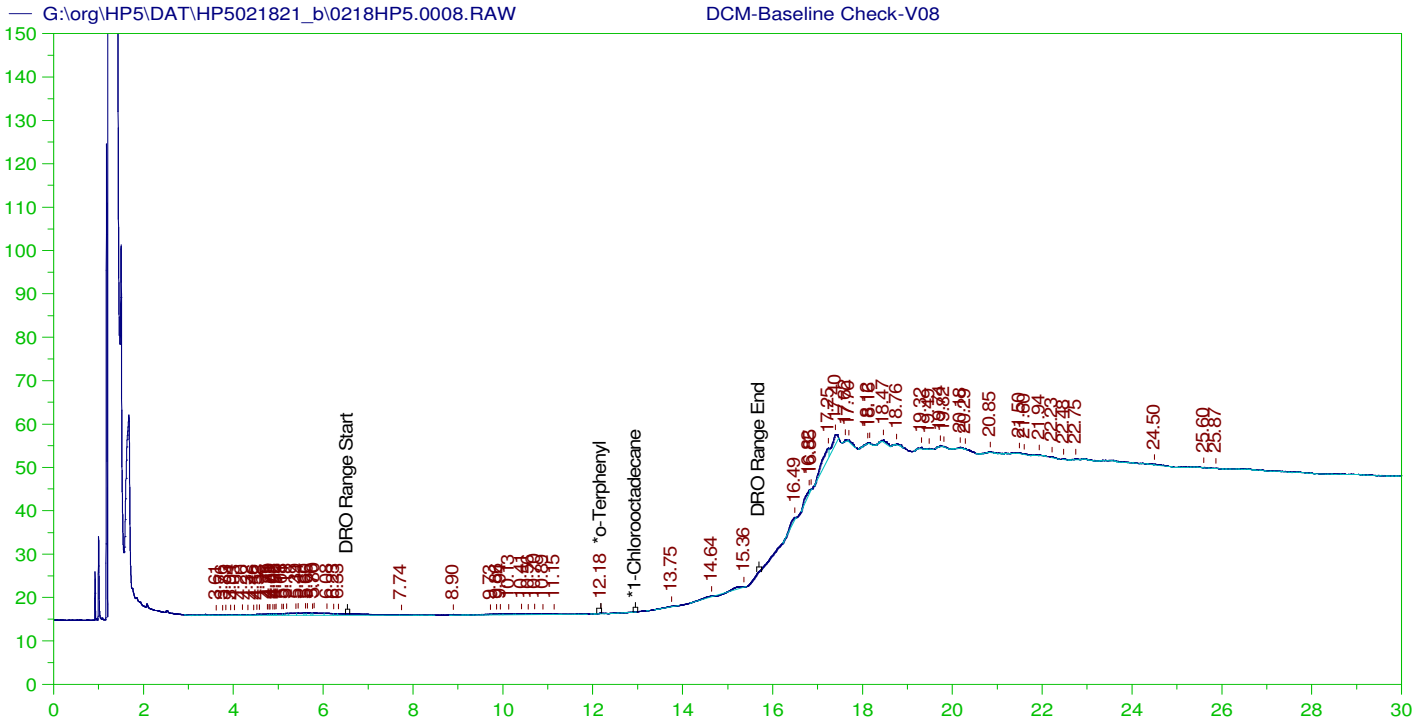
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.129 | 200.   | .538     | .27  | - |
| *1-Chlorooctadecane | 12.981 | 200.   | 4.244    | 2.12 | - |

DRO Area: 2.19239E+07 DRO Amount: 768.1166  
 TEH Area: 1.437314E+08 TEH Amount: 5035.713

**CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0007.RAW**

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 5000.       | 5035.71       | 100.71    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC | LIMITS |
|---------------------|--------|--------|----------|------|--------|
| *o-Terphenyl        | 12.129 | 200.   | .538     | .27  | 85-115 |
| *1-Chlorooctadecane | 12.981 | 200.   | 4.244    | 2.12 | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

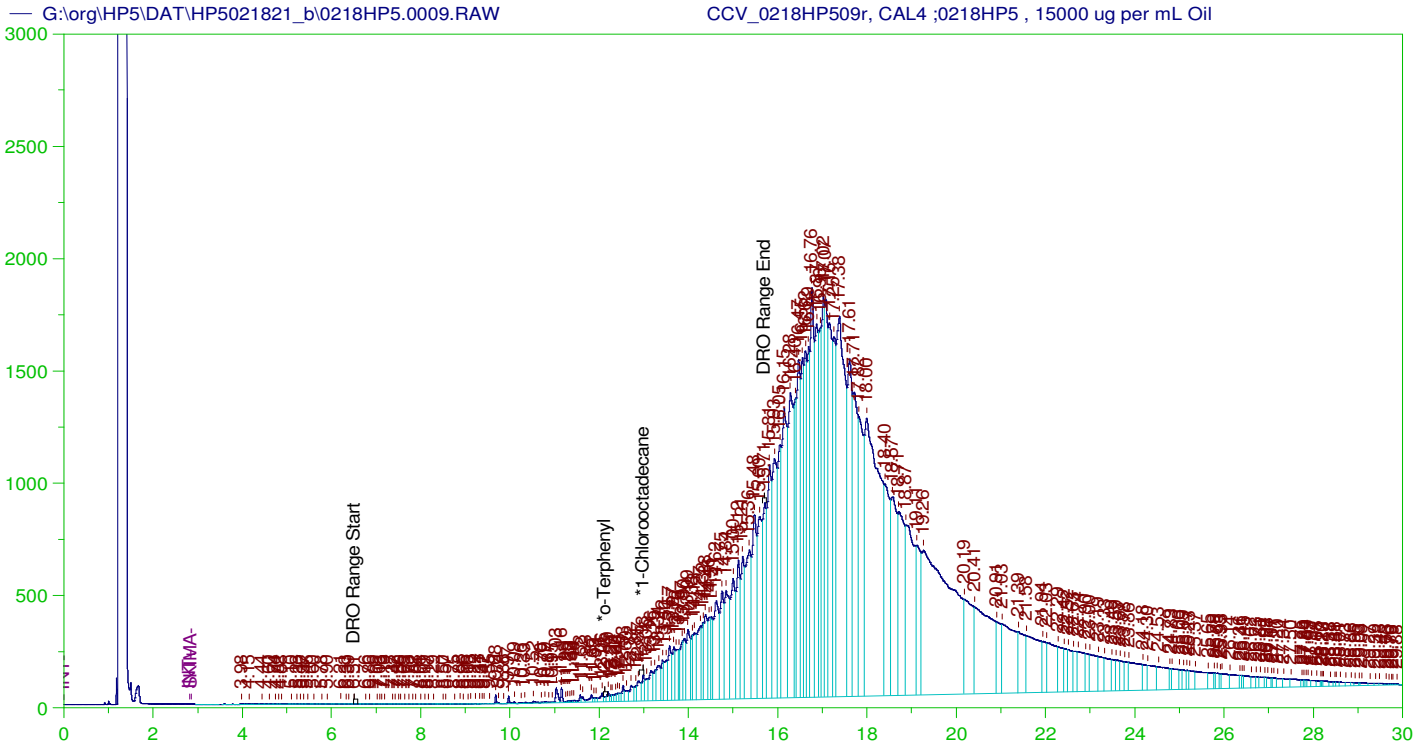
Sample Name: DCM-Baseline Check-V08  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0008.RAW  
 Date & Time Acquired: 2/18/2021 3:32:46 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HE-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108HE.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33

Rt range for Diesel Range Organics: 6.49 to 15.75

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.176 | 200.   | .026     | .01  |
| *1-Chlorooctadecane | 29.982 | 200.   | .        | .    |

DRO Area:30717.07 DRO Amount: 1.042765  
 TEH Area:223672.8 TEH Amount: 7.593112



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0218HP509r, CAL4 ;0218HP5 , 15000 ug per mL Oil  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0009.RAW  
 Date & Time Acquired: 2/18/2021 4:14:34 PM  
 Method File: G:\ORG\HP5\METHODS\DR\_OIL-021807-AA-L0.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_OIL210218AA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 28542.41

Rt range for Diesel Range Organics: 6.49 to 15.75

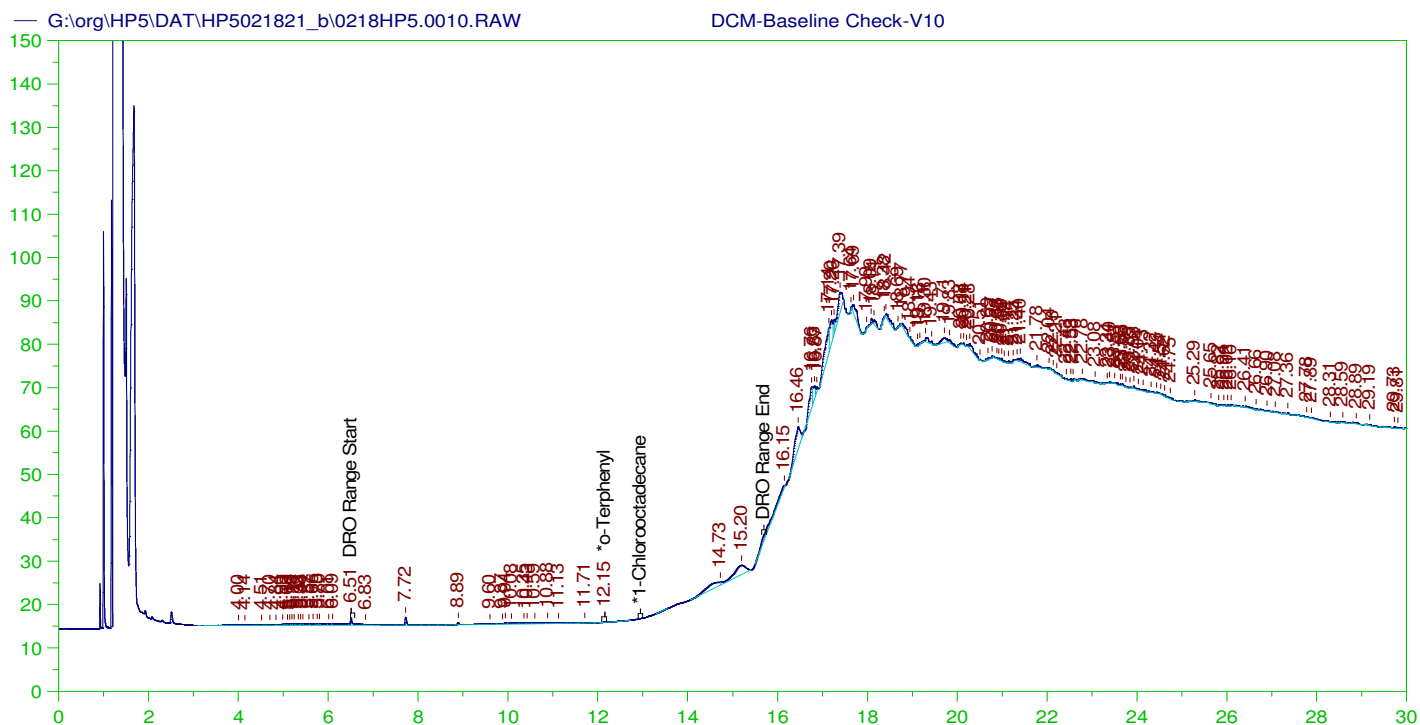
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.124 | 200.   | 1.888    | .94  | - |
| *1-Chlorooctadecane | 12.984 | 200.   | 13.129   | 6.56 | - |

DRO Area: 6.73131E+07 DRO Amount: 2358.354  
 TEH Area: 4.193721E+08 TEH Amount: 14692.95

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0009.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 5000.       | 14692.95      | 293.86    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC | LIMITS |
|---------------------|--------|--------|----------|------|--------|
| *o-Terphenyl        | 12.124 | 200.   | 1.888    | .94  | 85-115 |
| *1-Chlorooctadecane | 12.984 | 200.   | 13.129   | 6.56 | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

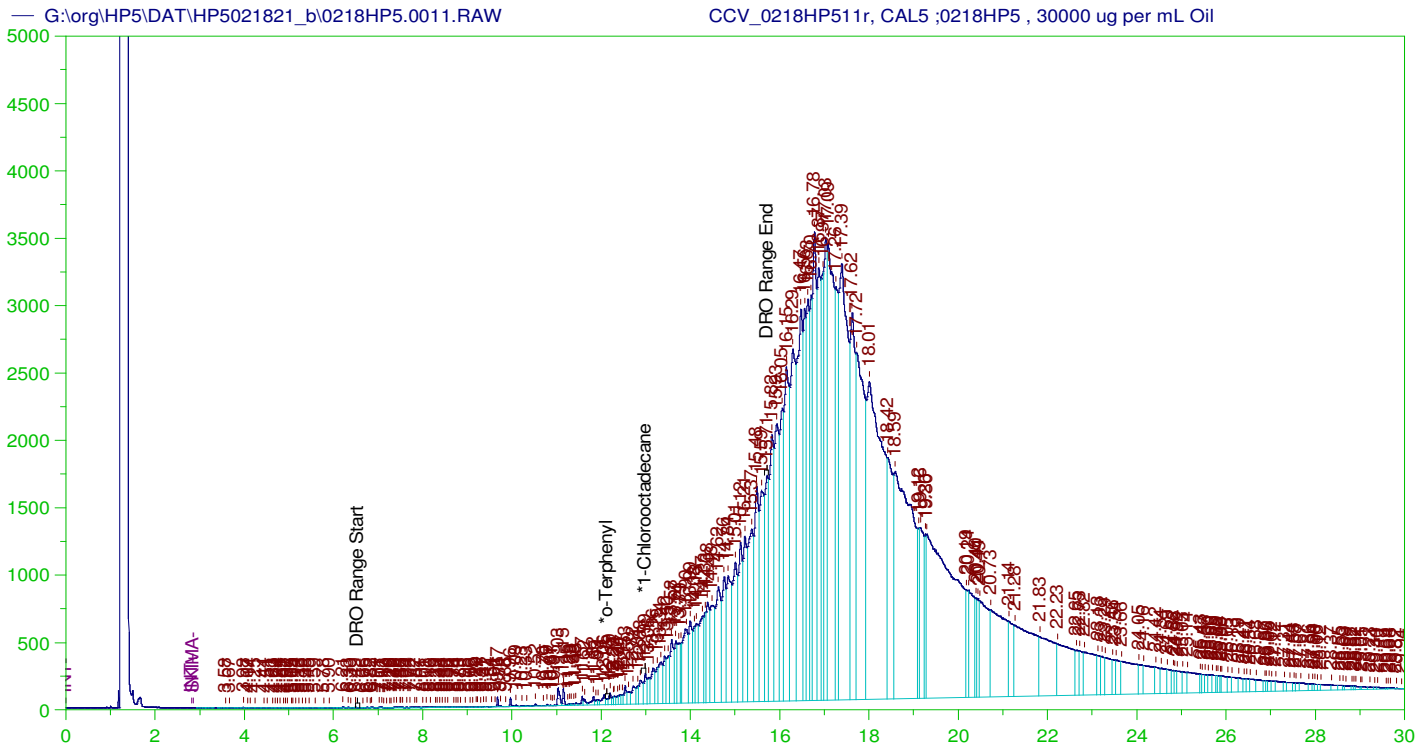
Sample Name: DCM-Baseline Check-V10  
Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0010.RAW  
Date & Time Acquired: 2/18/2021 4:56:16 PM  
Method File: G:\Org\HP5\Methods\DR\_8015-HE-LEXP.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108HE.CAL  
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33  
Rt range for Diesel Range Organics: 6.49 to 15.75

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.153 | 200.   | .023     | .01  | - |
| *1-Chlorooctadecane | 29.957 | 200.   | .        | .    | - |

DRO Area:108629.1 DRO Amount: 3.687675  
TEH Area:543425.7 TEH Amount: 18.44789





**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0218HP511r, CAL5 ;0218HP5 , 30000 ug per mL Oil  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0011.RAW  
 Date & Time Acquired: 2/18/2021 5:38:33 PM  
 Method File: G:\ORG\HP5\METHODS\DR\_OIL-021811-AA-L0.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_OIL210218AA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 28542.41  
 Rt range for Diesel Range Organics: 6.49 to 15.75

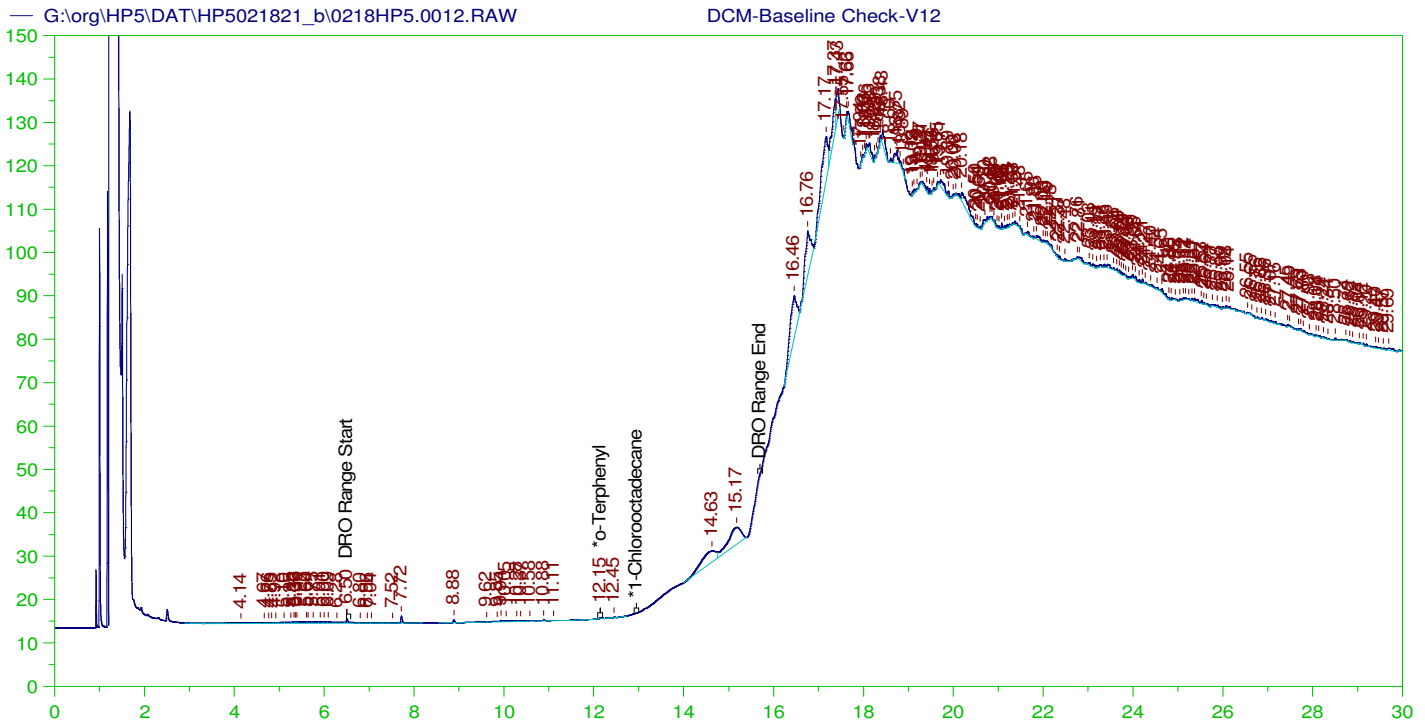
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.128 | 200.   | 3.828    | 1.91  | - |
| *1-Chlorooctadecane | 12.985 | 200.   | 28.22    | 14.11 | - |

DRO Area: 1.319327E+08 DRO Amount: 4622.338  
 TEH Area: 8.051155E+08 TEH Amount: 28207.69

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0011.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 5000.       | 28207.69      | 564.15    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|---------------------|--------|--------|----------|-------|--------|
| *o-Terphenyl        | 12.128 | 200.   | 3.828    | 1.91  | 85-115 |
| *1-Chlorooctadecane | 12.985 | 200.   | 28.22    | 14.11 | 85-115 |



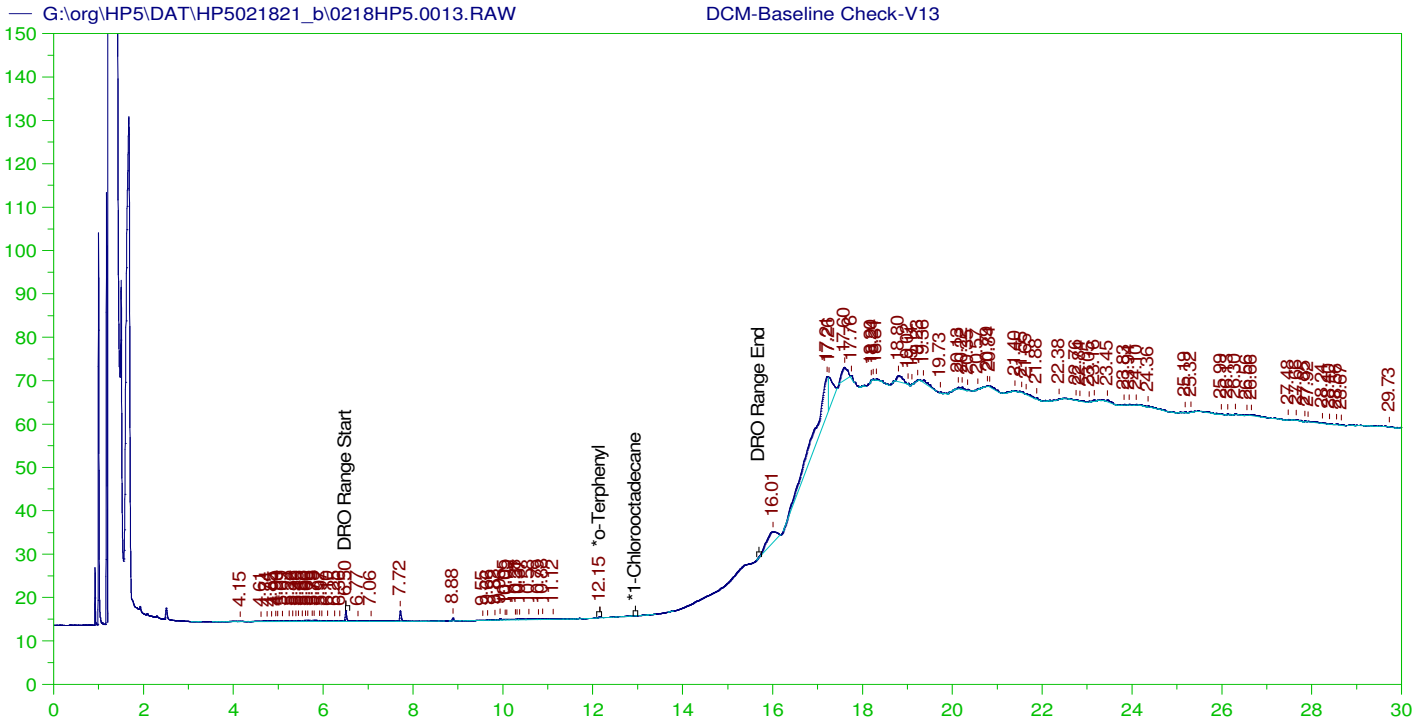
**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V12  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0012.RAW  
 Date & Time Acquired: 2/18/2021 6:20:48 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HE-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108HE.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33  
 Rt range for Diesel Range Organics: 6.49 to 15.75

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.146 | 200.   | .024     | .01  | - |
| *1-Chlorooctadecane | 29.981 | 200.   | .        | .    | - |

DRO Area: 186033.1 DRO Amount: 6.31534  
 TEH Area: 888262.2 TEH Amount: 30.1542



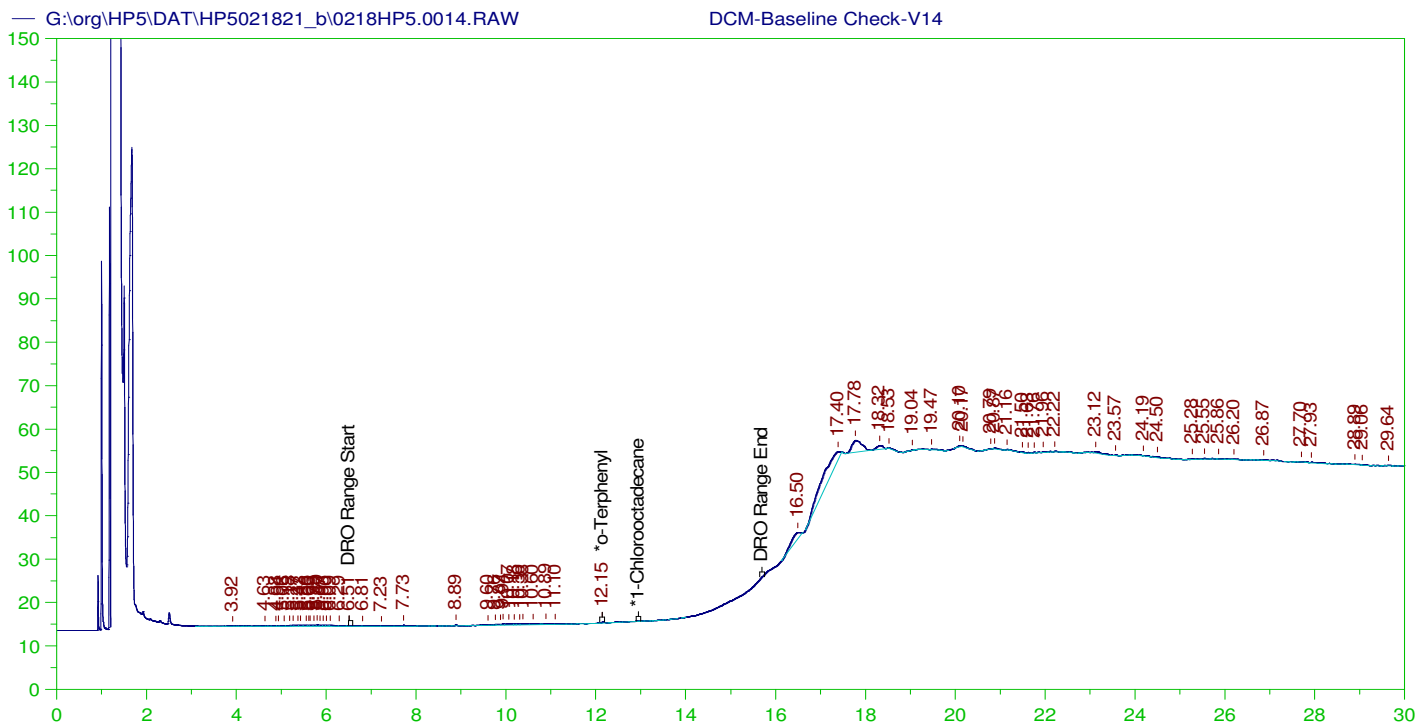
**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V13  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0013.RAW  
 Date & Time Acquired: 2/18/2021 7:03:01 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HE-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108HE.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33  
 Rt range for Diesel Range Organics: 6.49 to 15.75

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.152 | 200.   | .033     | .02  |
| *1-Chlorooctadecane | 29.967 | 200.   | .        | .    |

DRO Area: 40824.55 DRO Amount: 1.385888  
 TEH Area: 476705.3 TEH Amount: 16.18291



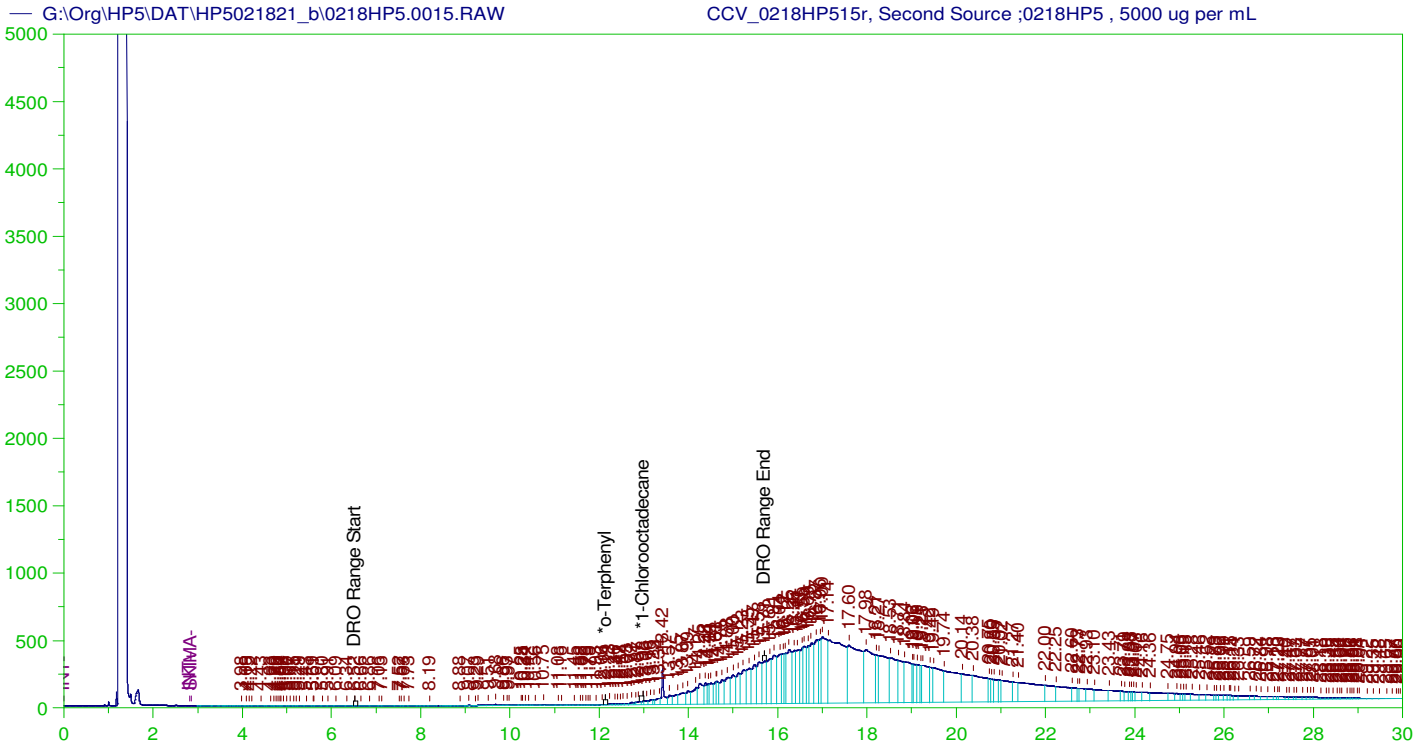
**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V14  
 Raw File: G:\org\HP5\DAT\HP5021821\_b\0218HP5.0014.RAW  
 Date & Time Acquired: 2/18/2021 7:45:21 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HE-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108HE.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33  
 Rt range for Diesel Range Organics: 6.49 to 15.75

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.148 | 200.   | .03      | .01  |
| *1-Chlorooctadecane | 29.949 | 200.   | .        | .    |

DRO Area:30445.24 DRO Amount: 1.033537  
 TEH Area:297634.4 TEH Amount: 10.10392



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0218HP515r, Second Source ;0218HP5 , 5000 ug per mL  
 Raw File: G:\Org\HP5\DAT\HP5021821\_b\0218HP5.0015.RAW  
 Date & Time Acquired: 2/18/2021 8:27:37 PM  
 Method File: G:\ORG\HP5\METHODS\DR\_OIL-021811-AA-L0.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_OIL210218AA.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 28542.41

Rt range for Diesel Range Organics: 6.49 to 15.75

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.137 | .2     | .19      | -    |
| *1-Chlorooctadecane | 12.984 | .2     | .003     | 1.62 |

DRO Area: 2.558549E+07 DRO Amount: 0.8964027  
 TEH Area: 1.562544E+08 TEH Amount: 5.474465

CONTINUING CALIBRATION REPORT: G:\Org\HP5\DAT\HP5021821\_b\0218HP5.0015.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 5000.       | 5.47          | .11       | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC | LIMITS |
|---------------------|--------|--------|----------|------|--------|
| *o-Terphenyl        | 12.137 | .2     | .19      | 1.62 | 85-115 |
| *1-Chlorooctadecane | 12.984 | .2     | .003     | 1.62 | 85-115 |

| Write Sequence | Data File | Sample Name  | Method                                     | Weight | Dil Factor | Amt Inj | IS | Cal ID | Manual Integration  |
|----------------|-----------|--|--|--------|------------|---------|----|--------|---|
|                |           | Marker_0218HP501r, DRO C40 ;0218HP5 , DRO210204A   | G:\Org\HP5\Methods\CSC210212.met           | 1      | 1          | 1       | 1  | 0      | No Integration  |
|                |           | DCM-Baseline Check-V02   | G:\Org\HP5\Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1       | 1  | 0      | No Integration  |
|                |           | CCV_0218HP503r, CAL1 ;0218HP5 , 150 ug per mL Oil (10 uL of Cal4 + 990 uL DCM(13510))            | G:\Org\HP5\Methods\DR_OIL-021803-AA-L0.MET |        |            |         |    |        | The integration of Total Extractable Hydrocarbons (OIL) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 20.91 changed peak width and scale was set at 150 for the Yaxis. |
|                |           | DCM-Baseline Check-V04   | G:\Org\HP5\Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1       | 1  | 0      | No Integration  |
|                |           | CCV_0218HP505r, CAL2 ;0218HP5 , 1000 ug per mL Oil (200 uL of Cal 3 +800 uL DCM(13510))          | G:\Org\HP5\Methods\DR_OIL-021805-AA-L0.MET |        |            |         |    |        | The integration of Total Extractable Hydrocarbons (OIL) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 26.79 changed peak width and scale was set at 300 for the Yaxis. |
|                |           | DCM-Baseline Check-V06   | G:\Org\HP5\Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1       | 1  | 0      | No Integration  |
|                |           | CCV_0218HP507r, CAL3 ;0218HP5 , 5000 ug per mL Oil (100 uL of DRO180918C + 900 uL DCM(13510))    | G:\Org\HP5\Methods\DR_OIL-021807-AA-L0.MET |        |            |         |    |        | The integration of Total Extractable Hydrocarbons (OIL) is the hydrocarbon response with reference to the baseline. Scale was set at 3000 for the Yaxis.  |
|                |           | DCM-Baseline Check-V08   | G:\Org\HP5\Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1       | 1  | 0      | No Integration  |
|                |           | CCV_0218HP509r, CAL4 ;0218HP5 , 15000 ug per mL Oil (200 uL of CAL5 + 200 uL DCM(13510))         | G:\Org\HP5\Methods\DR_OIL-021807-AA-L0.MET |        |            |         |    |        | The integration of Total Extractable Hydrocarbons (OIL) is the hydrocarbon response with reference to the baseline. Scale was set at 3000 for the Yaxis.  |
|                |           | DCM-Baseline Check-V10   | G:\Org\HP5\Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1       | 1  | 0      | No Integration  |
|                |           | CCV_0218HP511r, CAL5 ;0218HP5 , 30000 ug per mL Oil (600 uL of DRO180918C + 400 uL of DCM)       | G:\Org\HP5\Methods\DR_OIL-021811-AA-L0.MET |        |            |         |    |        | The integration of Total Extractable Hydrocarbons (OIL) is the hydrocarbon response with reference to the baseline. Scale was set at 5000 for the Yaxis.  |
|                |           | DCM-Baseline Check-V12   | G:\Org\HP5\Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1       | 1  | 0      | No Integration  |
|                |           | DCM-Baseline Check-V13   | G:\Org\HP5\Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1       | 1  | 0      | No Integration  |
|                |           | DCM-Baseline Check-V14   | G:\Org\HP5\Methods\DR_8015-HE-LEXP.met     | 1      | 1          | 1       | 1  | 0      | No Integration  |
|                |           | CCV_0218HP515r, Second Source ;0218HP5 , 5000 ug per mL (100uL of DRO210217A + 300uL DCM(13510)) | G:\Org\HP5\Methods\DR_OIL-021811-AA-L0.MET |        |            |         |    |        | The integration of Total Extractable Hydrocarbons (OIL) is the hydrocarbon response with reference to the baseline. Scale was set at 5000 for the Yaxis.  |



Digitally signed by  
Ann Nebel  
Date: 2021.10.29 12:03:40 -06:00

# Energy Laboratories Inc

# ANALYTICAL RUN Summary

25-Oct-21

Run ID GCFID-HP5-B\_211017A

|                                   |
|-----------------------------------|
| <b>Run Start Date:</b> 10/17/2021 |
| <b>Analyst:</b> Ann Nebel         |
| <b>Ical:</b>                      |
| <b>Column ID:</b>                 |
| <b>Comments:</b> Triacontane ICAL |

| Std ID     | Std Name                    | Std Amount | Std Units | Samp Amount | Samp Units | SampType | Expiration Date |
|------------|-----------------------------|------------|-----------|-------------|------------|----------|-----------------|
| DRO211006A | Triacontane SURR 2000 ug/mL |            |           |             |            | SURR     | 4/6/2026        |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist |
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|

|          |              |              |      |  |                  |   |         |  |   |   |  |
|----------|--------------|--------------|------|--|------------------|---|---------|--|---|---|--|
| 14777567 | CCV_1017HP50 | HC-8015-DRO- | CAL1 |  | 10/17/2021 3:30: | 1 | R368813 |  | 0 | 0 |  |
|----------|--------------|--------------|------|--|------------------|---|---------|--|---|---|--|

| Analyte       | T | Units | RAW | Final      | Text | Spike | SPKref | RPDref | MDL   | PQL   | UQL | %REC | LOW | HIGH | %RPD | Q |
|---------------|---|-------|-----|------------|------|-------|--------|--------|-------|-------|-----|------|-----|------|------|---|
| n-Triacontane | S | mg/L  |     | 0.00202757 |      | 0.002 | 0      | 0      | 0.002 | 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 |
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|

|          |              |              |      |  |                  |   |         |  |   |   |  |
|----------|--------------|--------------|------|--|------------------|---|---------|--|---|---|--|
| 14777568 | CCV_1017HP50 | HC-8015-DRO- | CAL2 |  | 10/17/2021 4:12: | 1 | R368813 |  | 0 | 0 |  |
|----------|--------------|--------------|------|--|------------------|---|---------|--|---|---|--|

| Analyte       | T | Units | RAW | Final      | Text | Spike | SPKref | RPDref | MDL   | PQL   | UQL | %REC | LOW | HIGH | %RPD | Q |
|---------------|---|-------|-----|------------|------|-------|--------|--------|-------|-------|-----|------|-----|------|------|---|
| n-Triacontane | S | mg/L  |     | 0.04817772 |      | 0.05  | 0      | 0      | 0.002 | 0.002 | 0   | 96%  | 80  | 120  | 0%   |   |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist |
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|

|          |              |              |      |  |                  |   |         |  |   |   |  |
|----------|--------------|--------------|------|--|------------------|---|---------|--|---|---|--|
| 14777569 | CCV_1017HP50 | HC-8015-DRO- | CAL3 |  | 10/17/2021 4:55: | 1 | R368813 |  | 0 | 0 |  |
|----------|--------------|--------------|------|--|------------------|---|---------|--|---|---|--|

| Analyte       | T | Units | RAW | Final     | Text | Spike | SPKref | RPDref | MDL   | PQL   | UQL | %REC | LOW | HIGH | %RPD | Q |
|---------------|---|-------|-----|-----------|------|-------|--------|--------|-------|-------|-----|------|-----|------|------|---|
| n-Triacontane | S | mg/L  |     | 0.2231112 |      | 0.2   | 0      | 0      | 0.002 | 0.002 | 0   | 112% | 80  | 120  | 0%   |   |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist |
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|

|          |              |              |      |  |                  |   |         |  |   |   |  |
|----------|--------------|--------------|------|--|------------------|---|---------|--|---|---|--|
| 14777570 | CCV_1017HP50 | HC-8015-DRO- | CAL4 |  | 10/17/2021 5:38: | 1 | R368813 |  | 0 | 0 |  |
|----------|--------------|--------------|------|--|------------------|---|---------|--|---|---|--|

| Analyte       | T | Units | RAW | Final     | Text | Spike | SPKref | RPDref | MDL   | PQL   | UQL | %REC | LOW | HIGH | %RPD | Q |
|---------------|---|-------|-----|-----------|------|-------|--------|--------|-------|-------|-----|------|-----|------|------|---|
| n-Triacontane | S | mg/L  |     | 0.4700634 |      | 0.5   | 0      | 0      | 0.002 | 0.002 | 0   | 94%  | 80  | 120  | 0%   |   |

| Seq No        | Lab ID       | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date | SPKref | RPDref | pmoist |      |     |      |      |   |
|---------------|--------------|--------------|------------|-----------|------------------|-------|----------|-----------|--------|--------|--------|------|-----|------|------|---|
| Analyte       | T            | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref    | MDL    | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| 14777571      | CCV_1017HP50 | HC-8015-DRO- | CAL5       |           | 10/17/2021 6:20: | 1     | R368813  |           | 0      | 0      |        |      |     |      |      |   |
| n-Triacontane | S            | mg/L         |            | 0.9372648 |                  | 1     | 0        | 0         | 0.002  | 0.002  | 0      | 94%  | 80  | 120  | 0%   |   |



| Write Sequence | Data File                              | Sample Name   | Method                                 | Weight | Dil Factor | Amt Inj. | IS | Cal ID |
|----------------|--|---|--|--------|------------|----------|----|--------|
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.01r | DCM-Baseline Check-V01  | G:\Org\HP5\Methods\DR_8015-HS-LEXP.met | 1      | 1          | 1        | 1  | 0      |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.02r | DCM-Baseline Check-V02  | G:\Org\HP5\Methods\DR_8015-HS-LEXP.met | 1      | 1          | 1        | 1  | 0      |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.03r | CCV_1017HP503r, DRO ;1017HP5 , DRO210708A   | G:\Org\HP5\Methods\DR_8015-HS-LEXP.met | 1      | 1          | 1        | 1  | 0      |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.04r | DCM-Baseline Check-V04  | G:\Org\HP5\Methods\DR_8015-HS-LEXP.met | 1      | 1          | 1        | 1  | 0      |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.05r | CCV_1017HP505r, CAL1 ;1017HP5 , 2 ug per mL Triacotane (10 uL of Cal3 + 990 uL DCM(14354)                           | G:\Org\HP5\Methods\DS_ORO-AA-L0.met    | 1      | 1          | 1        | 1  | 0      |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.06r | CCV_1017HP506r, CAL2 ;1017HP5 , 50 ug per mL Triacotane (100 uL Cal4 + 900 uL of DCM(14354)                         | G:\Org\HP5\Methods\DS_ORO-AA-L0.met    | 1      | 1          | 1        | 1  | 0      |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.07r | CCV_1017HP507r, CAL3 ;1017HP5 , 200 ug per mL Triacotane (100uL of Cal5 + 400 uL DCM(14354)                         | G:\Org\HP5\Methods\DS_ORO-AA-L0.met    | 1      | 1          | 1        | 1  | 0      |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.08r | CCV_1017HP508r, CAL4 ;1017HP5 , 500 ug per mL Triacotane (250uL of Cal5 + 250 uL DCM(14354)                         | G:\Org\HP5\Methods\DS_ORO-AA-L0.met    | 1      | 1          | 1        | 1  | 0      |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.09r | CCV_1017HP509r, CAL5 ;1017HP5 , 1000 ug per mL Triacotane (500 uL 2000 ug/mL Triacotane DRO211006A + 500 DCM(14354) | G:\Org\HP5\Methods\DS_ORO-AA-L0.met    | 1      | 1          | 1        | 1  | 0      |

File Name: G:\Org\HP5\Cals\SW8015C\_ORO211017AA.CAL

Version: 11

Creator: AMN

Description: 8015C-Oil Range. New ICal Per 1017HP5 (2021)-2 uL Inj.; RRO copied from 8015 cal for Oil

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

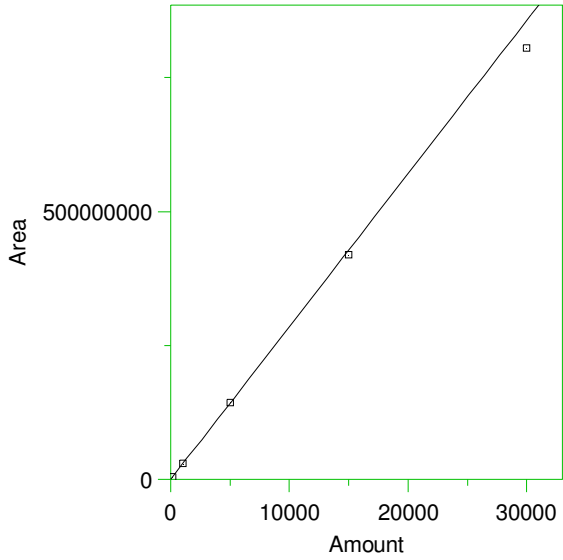
No default component

Method of calculating data point averages: Equal weight for all updates

No calibration update report

All levels are normal data points.

1 \*30-40 Motor Oil



Expected retention time: 6.4 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

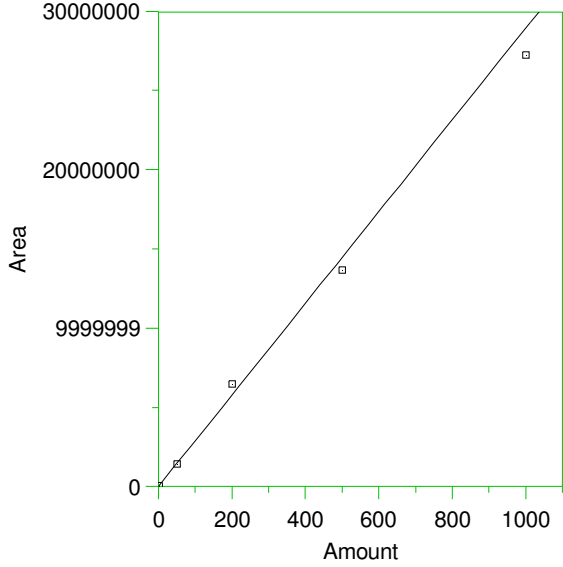
$Y = 28542.41 X + 0$

Average CF fit with equal weighting, forced to origin  
 Coefficient of determination: 0.9940317  
 Average error: 3.209%  
 Average CF: 28542.41  
 RSD: 4.497%

| Level | Amount | Response     | Cal Factor | Error, % | Source | Date and time         |
|-------|--------|--------------|------------|----------|--------|-----------------------|
| 1     | 150    | 4325287      | 28835.25   | 1.026    | Manual | 10/18/2021 2:26:35 PM |
| 2     | 1000   | 3.03352E+07  | 30335.2    | 6.281    | Manual | 10/18/2021 2:26:39 PM |
| 3     | 5000   | 1.437314E+08 | 28746.28   | 0.714    | Manual | 10/18/2021 2:26:42 PM |
| 4     | 15000  | 4.193721E+08 | 27958.14   | -2.047   | Manual | 10/18/2021 2:26:45 PM |
| 5     | 30000  | 8.051155E+08 | 26837.18   | -5.974   | Manual | 10/18/2021 2:26:47 PM |

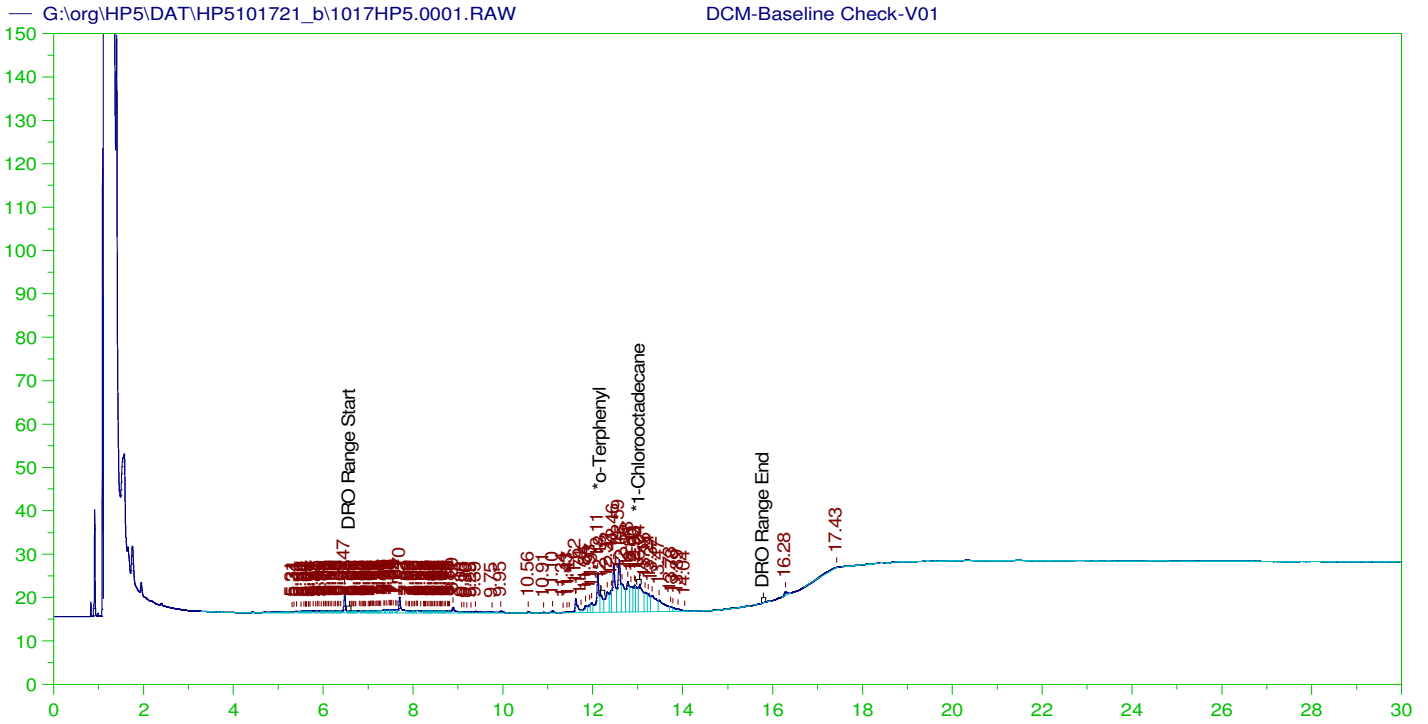
3

\*#Triacontane



Expected retention time: 16.26 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  
 $Y = 28930.14 X + 0$   
 Average CF fit with equal weighting, forced to origin  
 Coefficient of determination: 0.9919451  
 Average error: 5.737%  
 Average CF: 28930.14  
 RSD: 7.577%

| Level | Amount | Response     | Cal Factor | Error, % | Source                                      | Date and time         |
|-------|--------|--------------|------------|----------|---|-----------------------|
| 1     | 2      | 59020.1      | 29510.05   | 2.005    | Manual                                      | 10/18/2021 2:42:38 PM |
| 2     | 50     | 1403134      | 28062.68   | -2.998   | G:\Org\HP4\DAT\HP4100621_b\1006HP4.0015.BND | 10/7/2021 12:47:26 PM |
| 3     | 200    | 6499949      | 32499.74   | 12.339   | G:\Org\HP4\DAT\HP4100621_b\1006HP4.0017.BND | 10/7/2021 12:47:56 PM |
| 4     | 500    | 1.366713E+07 | 27334.26   | -5.516   | Manual                                      | 10/18/2021 2:44:43 PM |
| 5     | 1000   | 2.724398E+07 | 27243.98   | -5.828   | Manual                                      | 10/18/2021 2:43:45 PM |



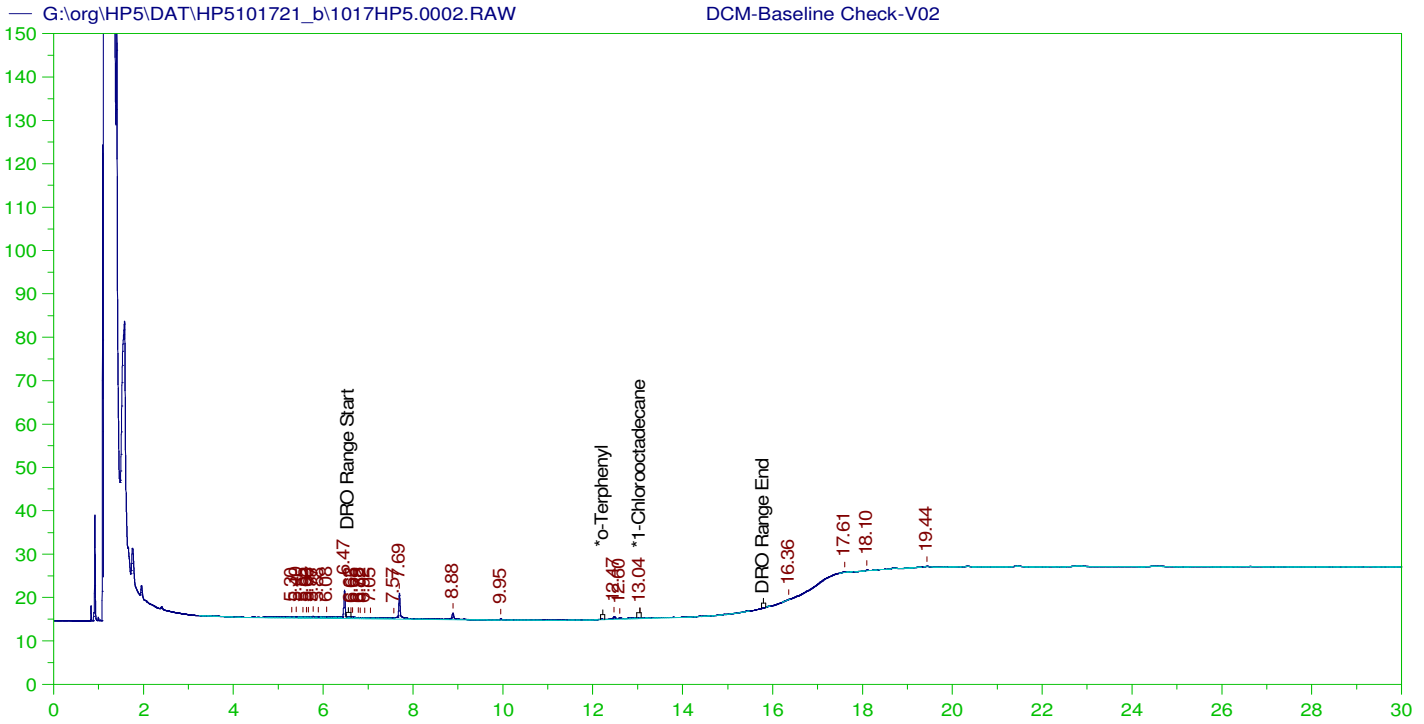
**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V01  
 Raw File: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0001.RAW  
 Date & Time Acquired: 10/17/2021 12:40:02 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HS-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108Hs.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33  
 Rt range for Diesel Range Organics: 6.51 to 15.85

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.178 | 200.   | .522     | .26  | - |
| *1-Chlorooctadecane | 13.04  | 200.   | 1.235    | .62  | - |

DRO Area: 571771.5 DRO Amount: 19.41016  
 TEH Area: 639555.1 TEH Amount: 21.71124



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

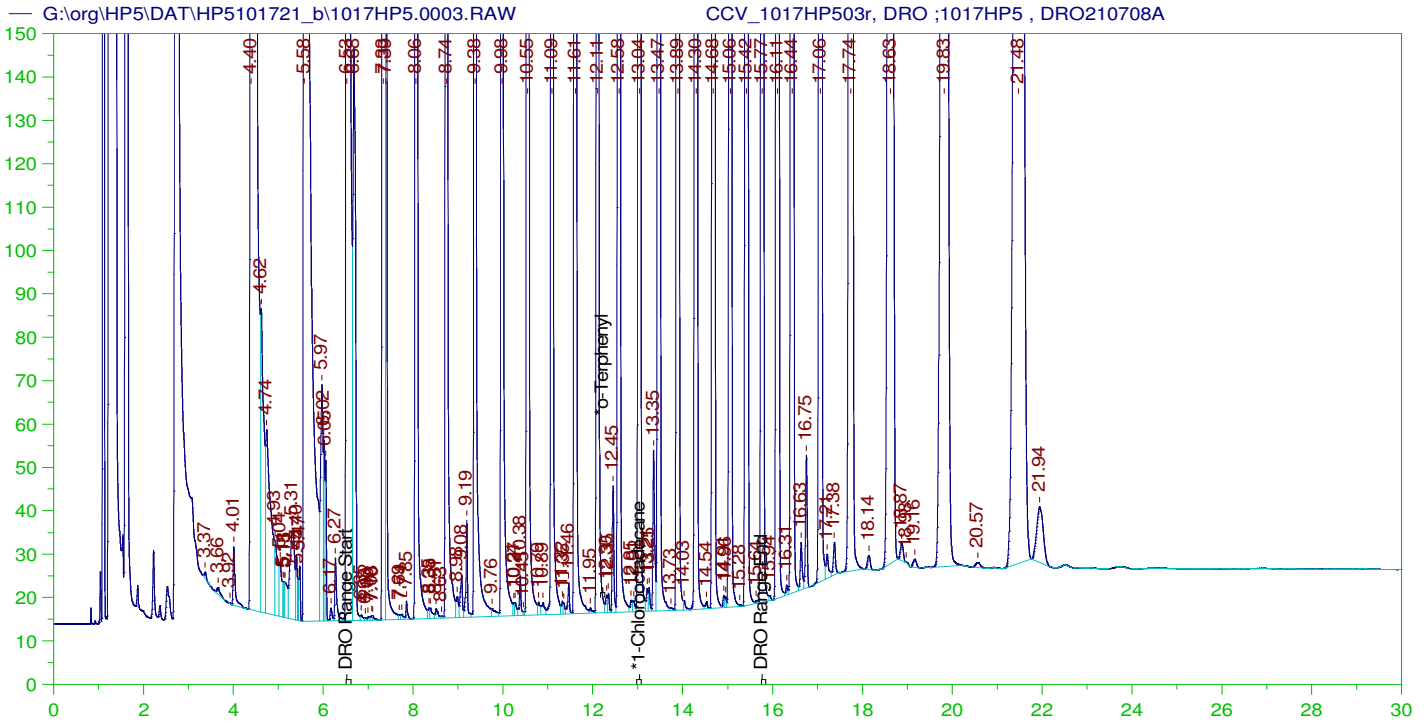
Sample Name: DCM-Baseline Check-V02  
 Raw File: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0002.RAW  
 Date & Time Acquired: 10/17/2021 1:22:21 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HS-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108Hs.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33

Rt range for Diesel Range Organics: 6.51 to 15.85

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 29.973 | 200.   | .        | -     |
| *1-Chlorooctadecane | 13.043 | 200.   | .018     | .01 - |

DRO Area:58862.56 DRO Amount: 1.998231  
 TEH Area:105899.4 TEH Amount: 3.595009



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_1017HP503r, DRO ;1017HP5 , DRO210708A  
 Raw File: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0003.RAW  
 Date & Time Acquired: 10/17/2021 2:04:53 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HS-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108Hs.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33  
 Rt range for Diesel Range Organics: 6.51 to 15.85

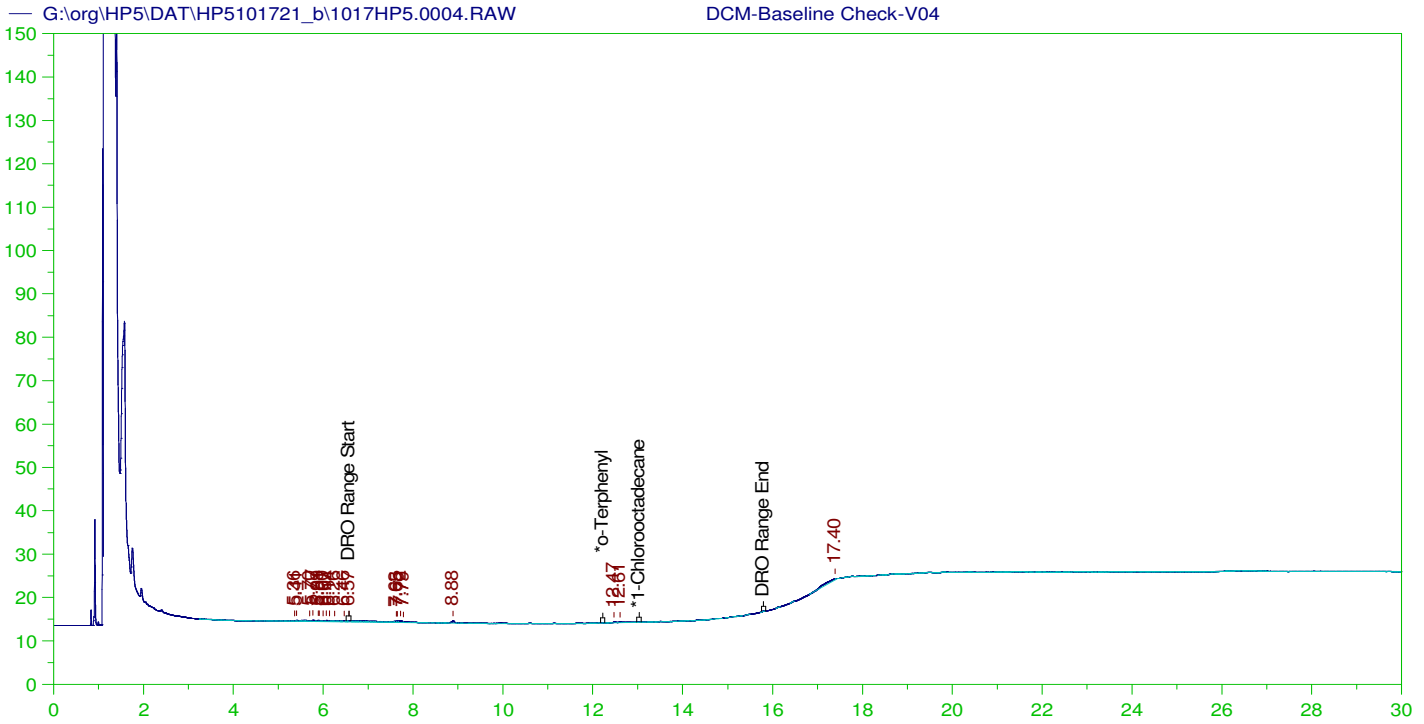
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC     |
|---------------------|--------|--------|----------|----------|
| *o-Terphenyl        | 29.982 | 200.   | .        | -        |
| *1-Chlorooctadecane | 13.037 | 200.   | 255.634  | 127.82 - |

DRO Area: 1.592713E+08 DRO Amount: 5406.847  
 TEH Area: 2.370861E+08 TEH Amount: 8048.458

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0003.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 8048.46       | 53.66     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 29.982 | 200.   | .        | .      | 85-115 |
| *1-Chlorooctadecane | 13.037 | 200.   | 255.634  | 127.82 | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V04  
 Raw File: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0004.RAW  
 Date & Time Acquired: 10/17/2021 2:47:29 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-HS-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO210108Hs.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

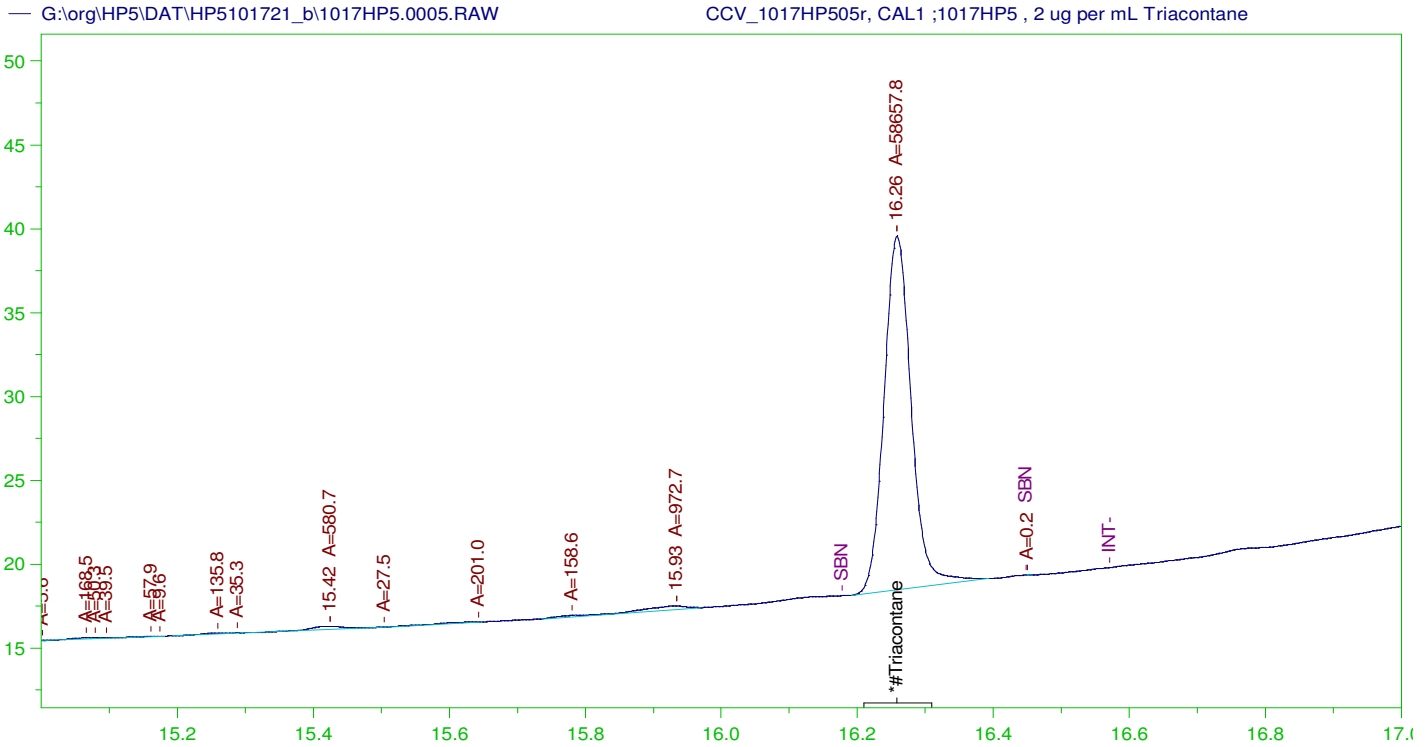
Mean RF for TEH: 29457.33

Rt range for Diesel Range Organics: 6.51 to 15.85

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 29.987 | 200.   | .        | -    |
| *1-Chlorooctadecane | 29.987 | 200.   | .        | -    |

DRO Area:32637.46 DRO Amount: 1.107957  
 TEH Area:75218.02 TEH Amount: 2.553457





**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_1017HP505r, CAL1 ;1017HP5 , 2 ug per mL Triacontane  
 Raw File: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0005.RAW  
 Date & Time Acquired: 10/17/2021 3:30:16 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AA-L0.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.53 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC |   |
|--------------------|--------|--------|----------|------|---|
| *#Triacontane      | 16.258 | 500.   | 2.028    | .41  | - |

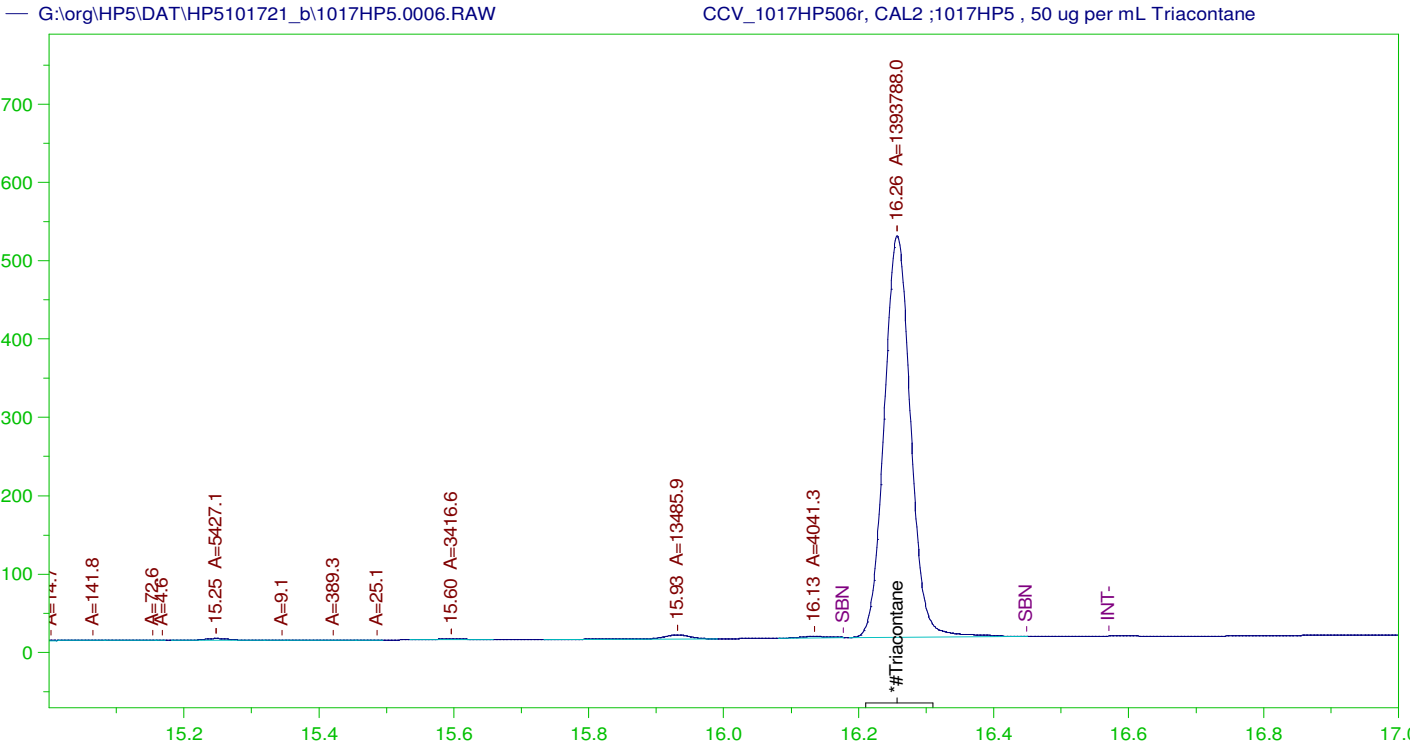
RRO Area:2747.039 RRO AMOUNT: 9.624412E-02

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0005.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .             | 75-125    |        |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC | LIMITS |
|--------------------|--------|--------|----------|------|--------|
| *#Triacontane      | 16.258 | 200.   | 2.028    | 1.01 | 75-125 |



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_1017HP506r, CAL2 ;1017HP5 , 50 ug per mL Triacontane  
 Raw File: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0006.RAW  
 Date & Time Acquired: 10/17/2021 4:12:57 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AA-L0.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.53 to 30.05

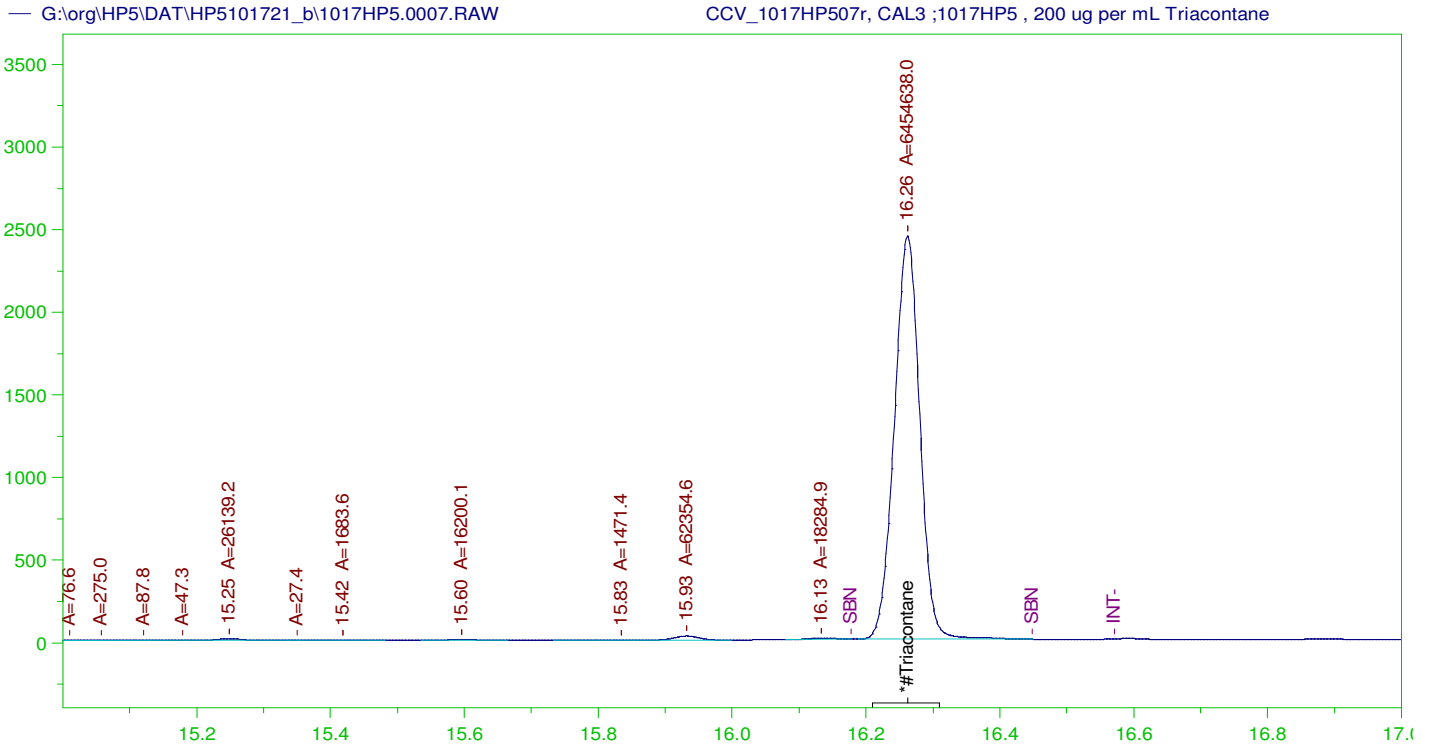
| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC |   |
|--------------------|--------|--------|----------|------|---|
| *#Triacontane      | 16.257 | 500.   | 48.178   | 9.64 | - |

RRO Area:45902.25 RRO AMOUNT: 1.608212

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0006.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .             | 75-125    |        |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|--------------------|--------|--------|----------|-------|--------|
| *#Triacontane      | 16.257 | 200.   | 48.178   | 24.09 | 75-125 |



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_1017HP507r, CAL3 ;1017HP5 , 200 ug per mL Triacontane  
 Raw File: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0007.RAW  
 Date & Time Acquired: 10/17/2021 4:55:33 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AA-L0.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.53 to 30.05

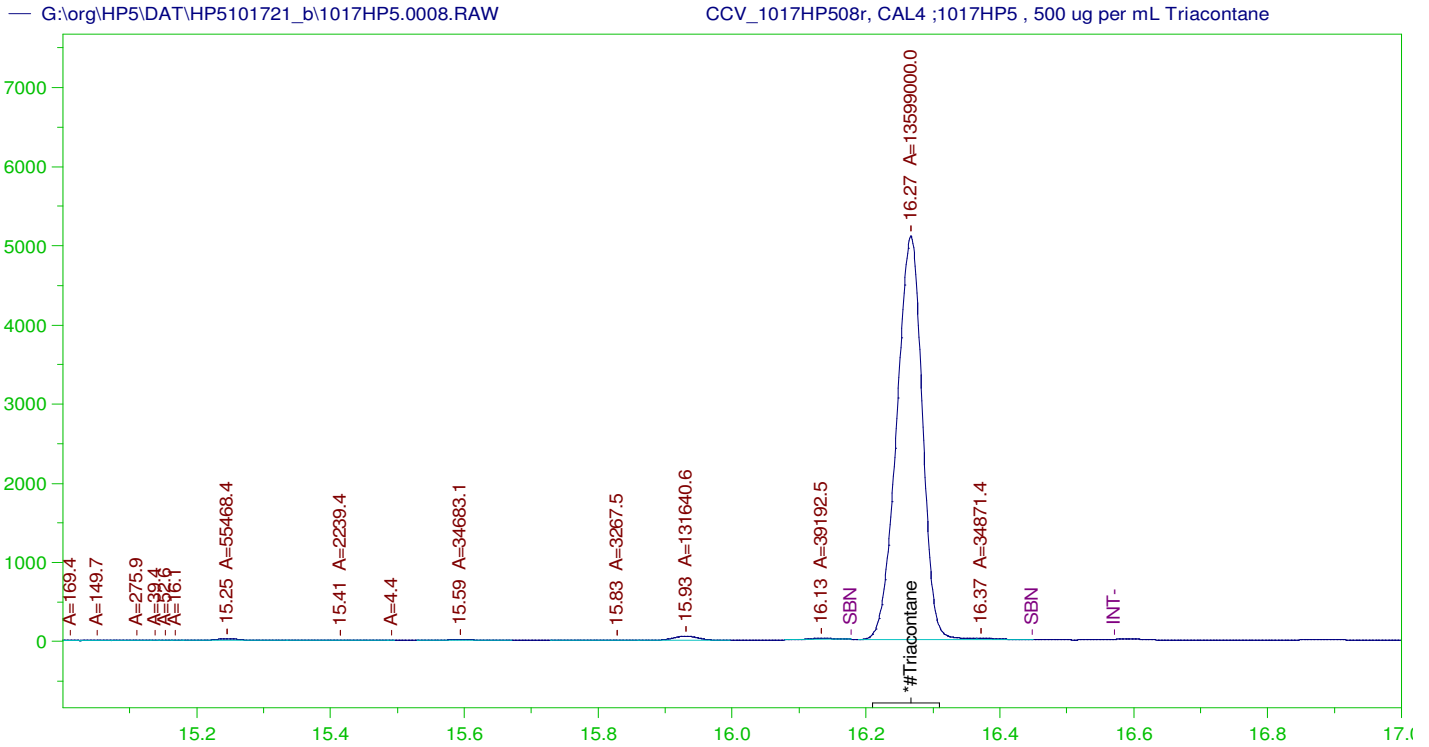
| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.262 | 500.   | 223.111  | 44.62 | - |

RRO Area:219754.5 RRO AMOUNT: 7.699227

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0007.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .             | 75-125    |        |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.262 | 200.   | 223.111  | 111.56 | 75-125 |



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_1017HP508r, CAL4 ;1017HP5 , 500 ug per mL Triacontane  
 Raw File: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0008.RAW  
 Date & Time Acquired: 10/17/2021 5:38:10 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AA-L0.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.53 to 30.05

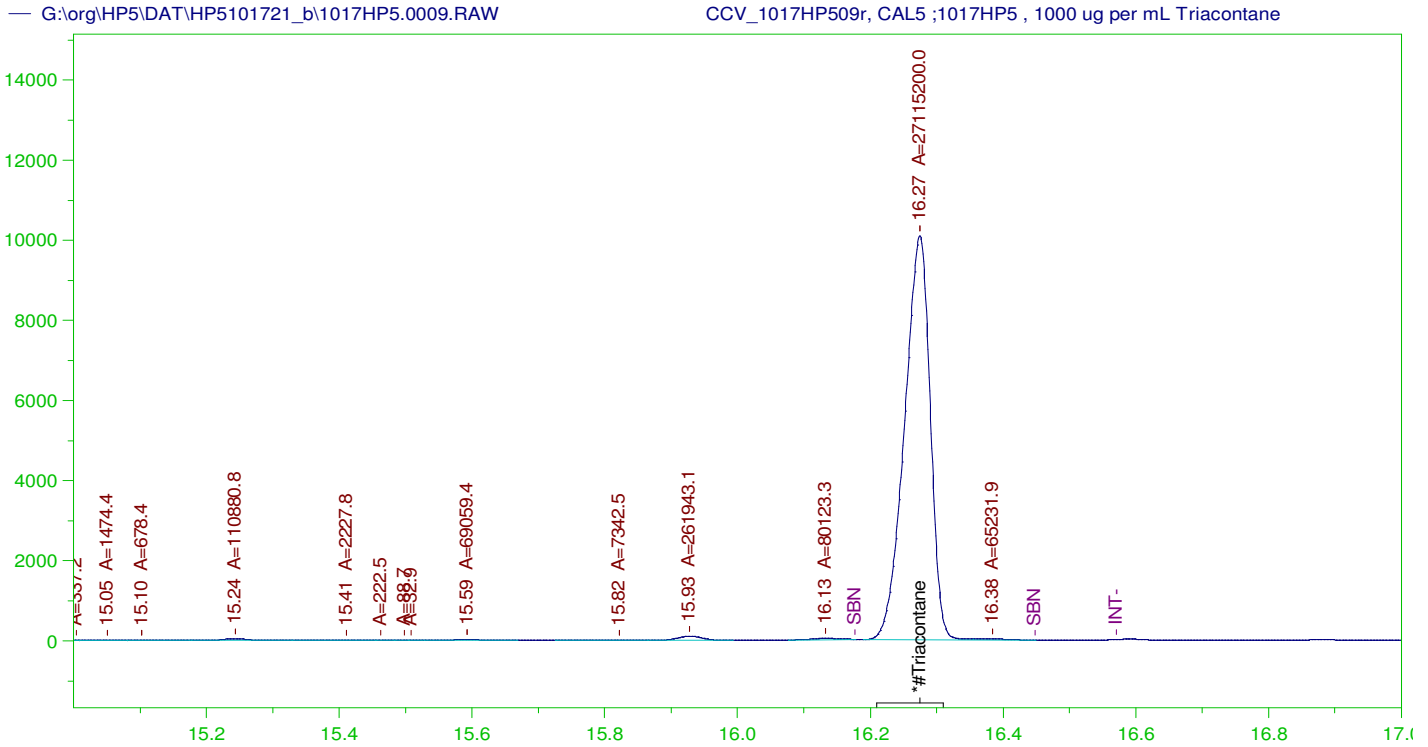
| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.267 | 500.   | 470.063  | 94.01 |

RRO Area:496538.4 RRO AMOUNT: 17.39651

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0008.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .             | 75-125    |        |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.267 | 200.   | 470.063  | 235.03 | 75-125 |



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_1017HP509r, CAL5 ;1017HP5 , 1000 ug per mL Triacontane  
 Raw File: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0009.RAW  
 Date & Time Acquired: 10/17/2021 6:20:57 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AA-L0.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AA.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.53 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   |
|--------------------|--------|--------|----------|--------|
| *#Triacontane      | 16.275 | 500.   | 937.265  | 187.45 |

RRO Area:979213.9 RRO AMOUNT: 34.30733

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5101721\_b\1017HP5.0009.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .             | 75-125    |        |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.275 | 200.   | 937.265  | 468.63 | 75-125 |

| Write Sequence | Data File                              | Sample Name   | Method                                 | Weight | Dil Factor | Amt Inj. | IS | Cal ID | Manual Integration   |
|----------------|--|---|--|--------|------------|----------|----|--------|--|
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.01r | DCM-Baseline Check-V01  | G:\Org\HP5\Methods\DR_8015-HS-LEXP.met | 1      | 1          | 1        | 1  | 0      | No integration   |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.02r | DCM-Baseline Check-V02  | G:\Org\HP5\Methods\DR_8015-HS-LEXP.met | 1      | 1          | 1        | 1  | 0      | No integration   |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.03r | CCV_1017HP503r, DRO :1017HP5 , DRO210708A   | G:\Org\HP5\Methods\DR_8015-HS-LEXP.met | 1      | 1          | 1        | 1  | 0      | No integration   |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.04r | DCM-Baseline Check-V04  | G:\Org\HP5\Methods\DR_8015-HS-LEXP.met | 1      | 1          | 1        | 1  | 0      | No integration   |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.05r | CCV_1017HP505r, CAL1 ;1017HP5 , 2 ug per mL Triacotane (10 uL of Cal3 + 990 uL DCM(14354)                           | G:\Org\HP5\Methods\DS_ORO-AA-L0.met    | 1      | 1          | 1        | 1  | 0      | Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.18 and slightly after the surrogate peak at 16.45 and scaling showing surrogate peak from 15.0-17.0 |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.06r | CCV_1017HP506r, CAL2 ;1017HP5 , 50 ug per mL Triacotane (100 uL Cal4 + 900 uL of DCM(14354)                         | G:\Org\HP5\Methods\DS_ORO-AA-L0.met    | 1      | 1          | 1        | 1  | 0      | Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.18 and slightly after the surrogate peak at 16.45 and scaling showing surrogate peak from 15.0-17.0 |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.07r | CCV_1017HP507r, CAL3 ;1017HP5 , 200 ug per mL Triacotane (100uL of Cal5 + 400 uL DCM(14354)                         | G:\Org\HP5\Methods\DS_ORO-AA-L0.met    | 1      | 1          | 1        | 1  | 0      | Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.18 and slightly after the surrogate peak at 16.45 and scaling showing surrogate peak from 15.0-17.0 |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.08r | CCV_1017HP508r, CAL4 ;1017HP5 , 500 ug per mL Triacotane (250uL of Cal5 + 250 uL DCM(14354)                         | G:\Org\HP5\Methods\DS_ORO-AA-L0.met    | 1      | 1          | 1        | 1  | 0      | Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.18 and slightly after the surrogate peak at 16.45 and scaling showing surrogate peak from 15.0-17.0 |
|                | G:\org\HP5\DAT\HP5101721_b\1017HP5.09r | CCV_1017HP509r, CAL5 ;1017HP5 , 1000 ug per mL Triacotane (500 uL 2000 ug/mL Triacotane DRO211006A + 500 DCM(14354) | G:\Org\HP5\Methods\DS_ORO-AA-L0.met    | 1      | 1          | 1        | 1  | 0      | Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.18 and slightly after the surrogate peak at 16.45 and scaling showing surrogate peak from 15.0-17.0 |



Digitally signed by  
Ann Nebel  
Date: 2021.10.25 17:42:58 -06:00

# PREP BATCH REPORT

Prep Code: **HC-3520-DRO**  
 Prep Batch **162703** Prep Temp **NA °C**

Technician: **Jillian L Bostwick**  
 Batch Units: **ML**

Prep Start Date: **1/4/2022 4:45:04 PM**  
 Prep End Date: **1/6/2022 12:29:00 PM**

| Sample ID  | Matrix       | pH | Initial Samp Amt | Sol Added | Sol Recovered | Final Vol (mL) | Factor   | Balance | Prep Start Date | Prep End Date |
|--|--------------|----|------------------|-----------|---------------|----------------|----------|---------|-----------------|---------------|
| MB-162703  |              |    | 1000             | 0         | 0             | 1.00           | 0.001    |         | 1/4/2022        | 1/5/2022      |
| Start time: 01/04/2022 at 4:45 PM. End time: 01/05/2022 at 10:47 AM SGT was done by ALN on remainder of sample on 1/7/2022.    |              |    |                  |           |               |                |          |         |                 |               |
| LCS-162703   |              |    | 1000             | 0         | 0             | 1.00           | 0.001    |         | 1/4/2022        | 1/5/2022      |
| All bottles were completely used, defaced and disposed of on 01/04/2022 GT was done by ALN on remainder of sample on 1/7/2022. |              |    |                  |           |               |                |          |         |                 |               |
| LCSD-162703  |              |    | 1000             | 0         | 0             | 1.00           | 0.001    |         | 1/4/2022        | 1/5/2022      |
| GT was done by ALN on remainder of sample on 1/7/2022.   |              |    |                  |           |               |                |          |         |                 |               |
| LCSD-162703-RRO  |              |    | 1000             | 0         | 0             | 1.00           | 0.001    |         | 1/4/2022        | 1/5/2022      |
| GT was done by ALN on remainder of sample on 1/7/2022.   |              |    |                  |           |               |                |          |         |                 |               |
| LCS-162703-RRO   |              |    | 1000             | 0         | 0             | 1.00           | 0.001    |         | 1/4/2022        | 1/5/2022      |
| GT was done by ALN on remainder of sample on 1/7/2022.   |              |    |                  |           |               |                |          |         |                 |               |
| B22010096-001D   | Ground Water | 2  | 1010             | 0         | 0             | 1.00           | 0.00099  |         | 1/4/2022        | 1/5/2022      |
| Bottle 1/2 Clear GT was done by ALN on remainder of sample on 1/7/2022.  |              |    |                  |           |               |                |          |         |                 |               |
| B22010096-001DMS   | Ground Water | 2  | 1030             | 0         | 0             | 1.00           | 0.000971 |         | 1/4/2022        | 1/5/2022      |
| Bottle 2/2 Clear GT was done by ALN on remainder of sample on 1/7/2022.  |              |    |                  |           |               |                |          |         |                 |               |
| B22010120-001D   | Ground Water | 2  | 1000             | 0         | 0             | 1.00           | 0.001    |         | 1/4/2022        | 1/5/2022      |
| Bottle 1/2 Clear GT was done by ALN on remainder of sample on 1/7/2022.  |              |    |                  |           |               |                |          |         |                 |               |
| B22010120-001DMS-RRO   | Ground Water | 2  | 1030             | 0         | 0             | 1.00           | 0.000971 |         | 1/4/2022        | 1/5/2022      |
| Bottle 2/2 Clear GT was done by ALN on remainder of sample on 1/7/2022.  |              |    |                  |           |               |                |          |         |                 |               |
| B22010134-001D   | Ground Water | 2  | 1040             | 0         | 0             | 1.00           | 0.000962 |         | 1/4/2022        | 1/5/2022      |
| Bottle 1/2 Clear GT was done by ALN on remainder of sample on 1/7/2022.  |              |    |                  |           |               |                |          |         |                 |               |
| B22010141-001D   | Ground Water | 2  | 1030             | 0         | 0             | 1.00           | 0.000971 |         | 1/4/2022        | 1/5/2022      |
| Bottle 1/2 Light sediment.   |              |    |                  |           |               |                |          |         |                 |               |
| B22010142-001D   | Ground Water | 2  | 970              | 0         | 0             | 1.00           | 0.00103  |         | 1/4/2022        | 1/5/2022      |
| Bottle 1/2 Clear   |              |    |                  |           |               |                |          |         |                 |               |
| B22010143-001D   | Ground Water | 2  | 1050             | 0         | 0             | 1.00           | 0.000952 |         | 1/4/2022        | 1/5/2022      |
| Bottle 1/2 Clear SGT was done by ALN on remainder of sample on 1/7/2022.   |              |    |                  |           |               |                |          |         |                 |               |
| B22010145-001D   | Ground Water | 2  | 1000             | 0         | 0             | 1.00           | 0.001    |         | 1/4/2022        | 1/5/2022      |
| Bottle 1/2 Clear SGT was done by ALN on remainder of sample on 1/7/2022.   |              |    |                  |           |               |                |          |         |                 |               |

| Number | Reagent Name                      | Exp Date   |
|--------|-----------------------------------|------------|
| 11     | Carbon Filter Water               | 1/1/2023   |
| 13379  | PTFE Boiling Stones 27463755      | 12/30/2025 |
| 14206  | pH-indicator Strips 0-14 HC160347 | 8/26/2026  |
| 14563  | 4ML, Amber Vial, 171001407106     | 11/30/2022 |
| 14647  | Dichloromethane EC832             | 10/28/2023 |
| 14719  | 4ML, Amber Vial, 20220104         | 1/4/2027   |

| Spk ID             | Spike Name                         | SampType          | AmtAdd | Exp Date   |
|--------------------|------------------------------------|-------------------|--------|------------|
| FP220102 14446     | DCM RINSED FILTER PAPER            | all               | 1      | 4/6/2026   |
| SG220101(13376)    | Baked Silica Gel                   | all               | 5g     | 2/28/2030  |
| Sulfate 12/27/21 ( | Baked Sodium Sulfate               | all               | Varies | 11/29/2026 |
| DRO211213A         | OTP only SURR 2000 ug/mL           | All except RRO-L  | 100 uL | 9/30/2024  |
| DRO211012B         | #2 Diesel in Acetone 150,000 ug/mL | LCS, LCSD, MS     | 100 uL | 11/5/2023  |
| DRO210902A         | 50,000 ug/mL Oil Std for RRO-In D  | LCS/D-RRO, MS-    | 100 uL | 9/1/2026   |
| DRO211220D         | Triacotane SURR 1000 ug/mL         | Lines 1-15 except | 100 uL | 4/6/2026   |
| DRO220105A         | Triacotane SURR 1000 ug/mL         | Lines 15-23 excep | 100 uL | 4/6/2026   |

# PREP BATCH REPORT

Prep Code: **HC-3520-DRO**  
 Prep Batch **162703** Prep Temp **NA °C**

Technician: **Jillian L Bostwick**  
 Batch Units: **ML**

Prep Start Date: **1/4/2022 4:45:04 PM**  
 Prep End Date: **1/6/2022 12:29:00 PM**

| Sample ID  | Matrix         | pH | Initial Samp Amt | Sol Added | Sol Recovered | Final Vol (mL) | Factor   | Balance | Prep Start Date | Prep End Date |
|--|----------------|----|------------------|-----------|---------------|----------------|----------|---------|-----------------|---------------|
| B22010148-001D<br>Bottle 1/2 Clear   | Ground Water   | 2  | 1040             | 0         | 0             | 1.00           | 0.000962 |         | 1/4/2022        | 1/5/2022      |
| B22010209-001D<br>Bottle 1/2 Clear. Lines 16-22 Start time: 01/05/2022 at 2:55 PM. End time: 01/06/2022 at 8:55 AM | Ground Water   | 2  | 1040             | 0         | 0             | 1.00           | 0.000962 |         | 1/5/2022        | 1/6/2022      |
| B22010211-001D<br>Bottle 1/2 Turbid, light sediment.   | Ground Water   | 2  | 1030             | 0         | 0             | 1.00           | 0.000971 |         | 1/5/2022        | 1/6/2022      |
| B22010212-001D<br>Bottle 1/2 Clear   | Ground Water   | 2  | 1050             | 0         | 0             | 1.00           | 0.000952 |         | 1/5/2022        | 1/6/2022      |
| B22010213-001D<br>Bottle 1/2 Clear   | Ground Water   | 2  | 1030             | 0         | 0             | 1.00           | 0.000971 |         | 1/5/2022        | 1/6/2022      |
| B22010213-002B<br>Bottle 1/2 Clear   | Ground Water   | 2  | 1000             | 0         | 0             | 1.00           | 0.001    |         | 1/5/2022        | 1/6/2022      |
| B22010213-003D<br>Bottle 1/2 Clear   | Ground Water   | 2  | 1020             | 0         | 0             | 1.00           | 0.00098  |         | 1/5/2022        | 1/6/2022      |
| B22010214-001D<br>Bottle 1/2 Clear   | Ground Water   | 2  | 1050             | 0         | 0             | 1.00           | 0.000952 |         | 1/5/2022        | 1/6/2022      |
| B22010219-001D<br>Bottle 1/2 Clear Start time: 01/05/2022 at 3:15 PM. End time: 01/06/2022 at 9:15 AM.             | Drinking Water | 2  | 1000             | 0         | 0             | 1.00           | 0.001    |         | 1/5/2022        | 1/6/2022      |

| Number | Reagent Name                      | Exp Date   |
|--------|-----------------------------------|------------|
| 11     | Carbon Filter Water               | 1/1/2023   |
| 13379  | PTFE Boiling Stones 27463755      | 12/30/2025 |
| 14206  | pH-indicator Strips 0-14 HC160347 | 8/26/2026  |
| 14563  | 4ML, Amber Vial, 171001407106     | 11/30/2022 |
| 14647  | Dichloromethane EC832             | 10/28/2023 |
| 14719  | 4ML, Amber Vial, 20220104         | 1/4/2027   |

| Spk ID             | Spike Name                         | SampType          | AmtAdd | Exp Date   |
|--------------------|------------------------------------|-------------------|--------|------------|
| FP220102 14446     | DCM RINSED FILTER PAPER            | all               | 1      | 4/6/2026   |
| SG220101(13376)    | Baked Silica Gel                   | all               | 5g     | 2/28/2030  |
| Sulfate 12/27/21 ( | Baked Sodium Sulfate               | all               | Varies | 11/29/2026 |
| DRO211213A         | OTP only SURR 2000 ug/mL           | All except RRO-L  | 100 uL | 9/30/2024  |
| DRO211012B         | #2 Diesel in Acetone 150,000 ug/mL | LCS, LCSD, MS     | 100 uL | 11/5/2023  |
| DRO210902A         | 50,000 ug/mL Oil Std for RRO-In D  | LCS/D-RRO, MS-    | 100 uL | 9/1/2026   |
| DRO211220D         | Triacotane SURR 1000 ug/mL         | Lines 1-15 except | 100 uL | 4/6/2026   |
| DRO220105A         | Triacotane SURR 1000 ug/mL         | Lines 15-23 excep | 100 uL | 4/6/2026   |



# Energy Laboratories Inc

# ANALYTICAL RUN Summary

10-Jan-22

Run ID GCFID-HP5-B\_220106A

|  |
|--|
| <b>Run Start Date:</b> 1/6/2022  |
| <b>Analyst:</b> Ann Nebel  |
| <b>Ical:</b>   |
| <b>Column ID:</b>  |
| <b>Comments:</b> DRO-8015-ICAL information is in Index GCFID-HP5-B_211102A<br>8015C OIL range calibration<br>GCFID-HP5-B_210218B |

| Std ID     | Std Name                                  | Std Amount | Std Units | Samp Amount | Samp Units | SampType | Expiration Date |
|------------|---|------------|-----------|-------------|------------|----------|-----------------|
| DRO211220B | Carbon Scan STD-Marker                    |            |           |             |            | MARKER   | 3/5/2028        |
| DRO220105B | 8015 CCV-15,000ug/mL + 200 OTP            |            |           |             |            | CCV-DRO  | 4/30/2023       |
| DRO220106A | 5,000 ug/mL RRO CCV 200 ug/mL Triacontane |            |           |             |            | CCV-RRO  | 4/6/2026        |

| Seq No         | Lab ID       | Test Code    | Sample Typ | File ID    | Analysis Date    | DF    | Batch ID | Prep Date | SPKref   | RPDref | pmoist |      |     |      |      |   |
|----------------|--------------|--------------|------------|------------|------------------|-------|----------|-----------|----------|--------|--------|------|-----|------|------|---|
| 14967547       | CCV_0106HP50 | HC-8015-DRO- | CCV        |            | 1/6/2022 9:56:57 | 1     | R372834  |           | 0        | 0      |        |      |     |      |      |   |
| Analyte        | T            | Units        | RAW        | Final      | Text             | Spike | SPKref   | RPDref    | MDL      | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range) | A            | mg/L         |            | 4.49463037 |                  | 5     | 0        | 0         | 0.0879   | 0.3    | 0      | 90%  | 80  | 120  | 0%   |   |
| n-Triacontane  | S            | mg/L         |            | 0.2061814  |                  | 0.2   | 0        | 0         | 0.000336 | 0.002  | 0      | 103% | 80  | 120  | 0%   |   |

| Seq No                             | Lab ID       | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date | SPKref   | RPDref | pmoist |      |     |      |      |   |
|------------------------------------|--------------|--------------|------------|-----------|------------------|-------|----------|-----------|----------|--------|--------|------|-----|------|------|---|
| 14967548                           | CCV_0106HP50 | HC-8015-DRO- | CCV        |           | 1/6/2022 10:40:0 | 1     | R372834  |           | 0        | 0      |        |      |     |      |      |   |
| Analyte                            | T            | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref    | MDL      | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24) | A            | mg/L         |            | 16.68486  |                  | 15    | 0        | 0         | 0.0389   | 0.3    | 0      | 111% | 80  | 120  | 0%   |   |
| Total Extractable Hydrocarbons     | A            | mg/L         |            | 17.29743  |                  | 15    | 0        | 0         | 0.0749   | 0.3    | 50     | 115% | 80  | 120  | 0%   |   |
| o-Terphenyl                        | S            | mg/L         |            | 0.2199382 |                  | 0.2   | 0        | 0         | 0.000429 | 0.002  | 0      | 110% | 80  | 120  | 0%   |   |

| Seq No   | Lab ID     | Test Code    | Sample Typ | File ID | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref | RPDref | pmoist |      |     |      |      |   |
|----------|------------|--------------|------------|---------|------------------|-------|----------|--------------|--------|--------|--------|------|-----|------|------|---|
| 14967549 | LCS-162703 | HC-8015-DRO- | LCS-DOD    |         | 1/6/2022 12:06:3 | 1     | 162703   | 1/4/2022 4:4 | 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 |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|-----------|------------------|-------|----------|--------------|-----------|---------|--------|------|-----|------|------|---|
| 14967549                            | LCS-162703    | HC-8015-DRO- | LCS-DOD    |           | 1/6/2022 12:06:3 | 1     | 162703   | 1/4/2022 4:4 | 0         | 0       |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 17.38333  |                  | 15    | 0        | 0            | 0.0389    | 0.3     | 0      | 116% | 36  | 132  | 0%   |   |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 18.58735  |                  | 15    | 0        | 0            | 0.0749    | 0.3     | 50     | 124% | 60  | 132  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2379754 |                  | 0.2   | 0        | 0            | 0.000429  | 0.002   | 0      | 119% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref    | RPDref  | pmoist |      |     |      |      |   |
| 14967550                            | LCSD-162703   | HC-8015-DRO- | LCSD-DOD   |           | 1/6/2022 12:49:3 | 1     | 162703   | 1/4/2022 4:4 | 0         | 1E+07   |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 16.1535   |                  | 15    | 0        | 17.38333     | 0.0389    | 0.3     | 0      | 108% | 36  | 132  | 7%   |   |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 17.27746  |                  | 15    | 0        | 18.58735     | 0.0749    | 0.3     | 50     | 115% | 60  | 132  | 7%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2280729 |                  | 0.2   | 0        | 0            | 0.000429  | 0.002   | 0      | 114% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref    | RPDref  | pmoist |      |     |      |      |   |
| 14967551                            | MB-162703     | HC-8015-DRO- | MBLK       |           | 1/6/2022 1:32:50 | 1     | 162703   | 1/4/2022 4:4 | 0         | 0       |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.0389    | 0.15    | 0      | 0%   | 0   | 0    | 0%   |   |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.0879    | 0.15    | 0      | 0%   | 0   | 0    | 0%   |   |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.0749    | 0.15    | 50     | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.1291    |                  | 0.1   | 0        | 0            | 0.000336  | 0.002   | 0      | 129% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2286053 |                  | 0.2   | 0        | 0            | 0.000429  | 0.002   | 0      | 114% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref    | RPDref  | pmoist |      |     |      |      |   |
| 14967552                            | B22010096-001 | HC-8015-DRO- | SAMP       |           | 1/6/2022 2:16:04 | 1     | 162703   | 1/4/2022 4:4 | 0         | 0       |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.038511  | 0.3     | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.087021  | 0.3     | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.074151  | 0.3     | 50     | 0%   | 0   | 0    | 0%   | U |
| n-Triacontane                       | S             | mg/L         |            | 0.1224    |                  | 0.099 | 0        | 0            | 0.0003326 | 0.00198 | 0      | 124% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2144008 |                  | 0.198 | 0        | 0            | 0.0004247 | 0.002   | 0      | 108% | 56  | 125  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref   | RPDref | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|------------|------------------|-------|----------|--------------|----------|--------|--------|------|-----|------|------|---|
| 14967553                            | B22010120-001 | HC-8015-DRO- | SAMP       |            | 1/6/2022 2:59:14 | 1     | 162703   | 1/4/2022 4:4 | 0        | 0      |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike | SPKref   | RPDref       | MDL      | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0.2549659  |                  | 0     | 0        | 0            | 0.0389   | 0.3    | 0      | 0%   | 0   | 0    | 0%   | J |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0.50763142 |                  | 0     | 0        | 0            | 0.0879   | 0.3    | 0      | 0%   | 0   | 0    | 0%   |   |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0.8623871  |                  | 0     | 0        | 0            | 0.0749   | 0.3    | 50     | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.1248     |                  | 0.1   | 0        | 0            | 0.000336 | 0.002  | 0      | 125% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.1581854  |                  | 0.2   | 0        | 0            | 0.000429 | 0.002  | 0      | 79%  | 56  | 125  | 0%   |   |
| TEH(Oil Range)                      | X             | mg/L         |            | 0.79904789 |                  | 0     | 0        | 0            | 0.0879   | 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 |      |     |      |      |   |
|------------------------------------|---------------|--------------|------------|-----------|------------------|--------|----------|--------------|-----------|--------|--------|------|-----|------|------|---|
| 14967554                           | B22010096-001 | HC-8015-DRO- | MS-DOD     |           | 1/6/2022 3:42:14 | 1      | 162703   | 1/4/2022 4:4 | 1E+07     | 0      |        |      |     |      |      |   |
| Analyte                            | T             | Units        | RAW        | Final     | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24) | A             | mg/L         |            | 16.04183  |                  | 14.565 | 0        | 0            | 0.0377719 | 0.3    | 0      | 110% | 36  | 132  | 0%   |   |
| Total Extractable Hydrocarbons     | A             | mg/L         |            | 17.26941  |                  | 14.565 | 0        | 0            | 0.0727279 | 0.3    | 50     | 119% | 60  | 132  | 0%   |   |
| o-Terphenyl                        | S             | mg/L         |            | 0.2190913 |                  | 0.1942 | 0        | 0            | 0.0004166 | 0.002  | 0      | 113% | 56  | 125  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|------------|------------------|--------|----------|--------------|-----------|----------|--------|------|-----|------|------|---|
| 14967555                            | B22010143-001 | HC-8015-DRO- | SAMP       |            | 1/6/2022 5:10:38 | 1      | 162703   | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0370328 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0.16089213 |                  | 0      | 0        | 0            | 0.0836808 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0.2566702  |                  | 0      | 0        | 0            | 0.0713048 | 0.3      | 50     | 0%   | 0   | 0    | 0%   | J |
| n-Triacontane                       | S             | mg/L         |            | 0.1233     |                  | 0.0952 | 0        | 0            | 0.0003199 | 0.001904 | 0      | 130% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2024247  |                  | 0.1904 | 0        | 0            | 0.0004084 | 0.002    | 0      | 106% | 56  | 125  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|------------|------------------|--------|----------|--------------|-----------|----------|--------|------|-----|------|------|---|
| 14967556                            | B22010148-001 | HC-8015-DRO- | SAMP       |            | 1/6/2022 5:53:59 | 1      | 162703   | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0.1024833  |                  | 0      | 0        | 0            | 0.0374218 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0.26625207 |                  | 0      | 0        | 0            | 0.0845598 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0.4836984  |                  | 0      | 0        | 0            | 0.0720538 | 0.3      | 50     | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.1226     |                  | 0.0962 | 0        | 0            | 0.0003232 | 0.001924 | 0      | 127% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2105761  |                  | 0.1924 | 0        | 0            | 0.0004127 | 0.002    | 0      | 109% | 56  | 125  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|------------|------------------|--------|----------|--------------|-----------|----------|--------|------|-----|------|------|---|
| 14967557                            | B22010212-001 | HC-8015-DRO- | SAMP       |            | 1/6/2022 6:37:18 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0370328 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0836808 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0713048 | 0.3      | 50     | 0%   | 0   | 0    | 0%   | U |
| n-Triacontane                       | S             | mg/L         |            | 0.1112     |                  | 0.0952 | 0        | 0            | 0.0003199 | 0.001904 | 0      | 117% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.200652   |                  | 0.1904 | 0        | 0            | 0.0004084 | 0.002    | 0      | 105% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14967558                            | CCV_0106HP51  | HC-8015-DRO- | CCV        |            | 1/6/2022 8:03:53 | 1      | R372834  |              |           |          | 0      | 0    |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range)                      | A             | mg/L         |            | 4.86592285 |                  | 5      | 0        | 0            | 0.0879    | 0.3      | 0      | 97%  | 80  | 120  | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.2053518  |                  | 0.2    | 0        | 0            | 0.000336  | 0.002    | 0      | 103% | 80  | 120  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14967559                            | CCV_0106HP51  | HC-8015-DRO- | CCV        |            | 1/6/2022 8:47:05 | 1      | R372834  |              |           |          | 0      | 0    |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 15.32353   |                  | 15     | 0        | 0            | 0.0389    | 0.3      | 0      | 102% | 80  | 120  | 0%   |   |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 15.87178   |                  | 15     | 0        | 0            | 0.0749    | 0.3      | 50     | 106% | 80  | 120  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.201982   |                  | 0.2    | 0        | 0            | 0.000429  | 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 |      |     |      |      |   |
| 14967560                            | B22010213-002 | HC-8015-DRO- | SAMP       |            | 1/6/2022 10:13:5 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 1.62555    |                  | 0      | 0        | 0            | 0.0389    | 0.3      | 0      | 0%   | 0   | 0    | 0%   |   |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0.29477289 |                  | 0      | 0        | 0            | 0.0879    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 1.99444    |                  | 0      | 0        | 0            | 0.0749    | 0.3      | 50     | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.1145     |                  | 0.1    | 0        | 0            | 0.000336  | 0.002    | 0      | 115% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.1865803  |                  | 0.2    | 0        | 0            | 0.000429  | 0.002    | 0      | 93%  | 56  | 125  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|------------|------------------|--------|----------|--------------|-----------|----------|--------|------|-----|------|------|---|
| 14967561                            | B22010213-001 | HC-8015-DRO- | SAMP       |            | 1/6/2022 10:57:1 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 2.34331    |                  | 0      | 0        | 0            | 0.0377719 | 0.3      | 0      | 0%   | 0   | 0    | 0%   |   |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0.57574695 |                  | 0      | 0        | 0            | 0.0853509 | 0.3      | 0      | 0%   | 0   | 0    | 0%   |   |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 3.028753   |                  | 0      | 0        | 0            | 0.0727279 | 0.3      | 50     | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.1099     |                  | 0.0971 | 0        | 0            | 0.0003263 | 0.001942 | 0      | 113% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.1934539  |                  | 0.1942 | 0        | 0            | 0.0004166 | 0.002    | 0      | 100% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14967562                            | B22010213-003 | HC-8015-DRO- | SAMP       |            | 1/6/2022 11:40:3 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0.1494143  |                  | 0      | 0        | 0            | 0.038122  | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0.17452560 |                  | 0      | 0        | 0            | 0.086142  | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0.393777   |                  | 0      | 0        | 0            | 0.073402  | 0.3      | 50     | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.1105     |                  | 0.098  | 0        | 0            | 0.0003293 | 0.00196  | 0      | 113% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.1979284  |                  | 0.196  | 0        | 0            | 0.0004204 | 0.002    | 0      | 101% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14967563                            | B22010141-001 | HC-8015-DRO- | SAMP       |            | 1/7/2022 1:07:28 | 1      | 162703   | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0377719 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0853509 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0727279 | 0.3      | 50     | 0%   | 0   | 0    | 0%   | U |
| n-Triacontane                       | S             | mg/L         |            | 0.1233     |                  | 0.0971 | 0        | 0            | 0.0003263 | 0.001942 | 0      | 127% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2201778  |                  | 0.1942 | 0        | 0            | 0.0004166 | 0.002    | 0      | 113% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14967564                            | B22010214-001 | HC-8015-DRO- | SAMP       |            | 1/7/2022 1:50:50 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0.0379938  |                  | 0      | 0        | 0            | 0.0370328 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0836808 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0713048 | 0.3      | 50     | 0%   | 0   | 0    | 0%   | U |
| n-Triacontane                       | S             | mg/L         |            | 0.1065     |                  | 0.0952 | 0        | 0            | 0.0003199 | 0.001904 | 0      | 112% | 50  | 150  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|------------|------------------|--------|----------|--------------|-----------|----------|--------|------|-----|------|------|---|
| 14967564                            | B22010214-001 | HC-8015-DRO- | SAMP       |            | 1/7/2022 1:50:50 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| o-Terphenyl                         | S             | mg/L         |            | 0.1892108  |                  | 0.1904 | 0        | 0            | 0.0004084 | 0.002    | 0      | 99%  | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14967565                            | B22010219-001 | HC-8015-DRO- | SAMP       |            | 1/7/2022 2:34:15 | 1      | 162703   | 1/5/2022 3:1 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0.05663655 |                  | 0      | 0        | 0            | 0.0389    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0.12452009 |                  | 0      | 0        | 0            | 0.0879    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0.2349372  |                  | 0      | 0        | 0            | 0.0749    | 0.3      | 50     | 0%   | 0   | 0    | 0%   | J |
| n-Triacontane                       | S             | mg/L         |            | 0.1135     |                  | 0.1    | 0        | 0            | 0.000336  | 0.002    | 0      | 114% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2005624  |                  | 0.2    | 0        | 0            | 0.000429  | 0.002    | 0      | 100% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14967566                            | B22010211-001 | HC-8015-DRO- | SAMP       |            | 1/7/2022 3:17:33 | 10     | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 171.1043   |                  | 0      | 0        | 0            | 0.377719  | 2.913    | 0      | 0%   | 0   | 0    | 0%   |   |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 173.8855   |                  | 0      | 0        | 0            | 0.727279  | 2.913    | 50     | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.1129     |                  | 0.0971 | 0        | 0            | 0.0032626 | 0.01942  | 0      | 116% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.1906986  |                  | 0.1942 | 0        | 0            | 0.0041656 | 0.01942  | 0      | 98%  | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14967567                            | B22010134-001 | HC-8015-DRO- | SAMP       |            | 1/7/2022 4:44:24 | 1      | 162703   | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0.03859679 |                  | 0      | 0        | 0            | 0.0374218 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0845598 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.0720538 | 0.3      | 50     | 0%   | 0   | 0    | 0%   | U |
| n-Triacontane                       | S             | mg/L         |            | 0.1321     |                  | 0.0962 | 0        | 0            | 0.0003232 | 0.001924 | 0      | 137% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2283984  |                  | 0.1924 | 0        | 0            | 0.0004127 | 0.002    | 0      | 119% | 56  | 125  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref    | RPDref  | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|------------|------------------|-------|----------|--------------|-----------|---------|--------|------|-----|------|------|---|
| 14967568                            | B22010142-001 | HC-8015-DRO- | SAMP       |            | 1/7/2022 5:27:56 | 1     | 162703   | 1/4/2022 4:4 | 0         | 0       |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0          |                  | 0     | 0        | 0            | 0.040067  | 0.309   | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0          |                  | 0     | 0        | 0            | 0.090537  | 0.309   | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0          |                  | 0     | 0        | 0            | 0.077147  | 0.309   | 50     | 0%   | 0   | 0    | 0%   | U |
| n-Triacontane                       | S             | mg/L         |            | 0.136      |                  | 0.103 | 0        | 0            | 0.0003461 | 0.00206 | 0      | 132% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2392724  |                  | 0.206 | 0        | 0            | 0.0004419 | 0.00206 | 0      | 116% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref    | RPDref  | pmoist |      |     |      |      |   |
| 14967569                            | B22010145-001 | HC-8015-DRO- | SAMP       |            | 1/7/2022 6:11:21 | 1     | 162703   | 1/4/2022 4:4 | 0         | 0       |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0.2039307  |                  | 0     | 0        | 0            | 0.0389    | 0.3     | 0      | 0%   | 0   | 0    | 0%   | J |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         |            | 0.30494985 |                  | 0     | 0        | 0            | 0.0879    | 0.3     | 0      | 0%   | 0   | 0    | 0%   |   |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 0.5771101  |                  | 0     | 0        | 0            | 0.0749    | 0.3     | 50     | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.1351     |                  | 0.1   | 0        | 0            | 0.000336  | 0.002   | 0      | 135% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2357238  |                  | 0.2   | 0        | 0            | 0.000429  | 0.002   | 0      | 118% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref    | RPDref  | pmoist |      |     |      |      |   |
| 14967570                            | CCV_0106HP53  | HC-8015-DRO- | CCV        |            | 1/7/2022 7:37:51 | 1     | R372834  |              |           |         | 0      | 0    |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range)                      | A             | mg/L         |            | 5.00354395 |                  | 5     | 0        | 0            | 0.0879    | 0.3     | 0      | 100% | 80  | 120  | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.212323   |                  | 0.2   | 0        | 0            | 0.000336  | 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 |      |     |      |      |   |
| 14967571                            | CCV_0106HP53  | HC-8015-DRO- | CCV        |            | 1/7/2022 8:20:50 | 1     | R372834  |              |           |         | 0      | 0    |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 15.59393   |                  | 15    | 0        | 0            | 0.0389    | 0.3     | 0      | 104% | 80  | 120  | 0%   |   |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 16.16666   |                  | 15    | 0        | 0            | 0.0749    | 0.3     | 50     | 108% | 80  | 120  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2067635  |                  | 0.2   | 0        | 0            | 0.000429  | 0.002   | 0      | 103% | 80  | 120  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID | Analysis Date    | DF     | Batch ID  | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|---------|------------------|--------|-----------|--------------|-----------|----------|--------|------|-----|------|------|---|
| 14968255                            | B22010209-001 | HC-8015-DRO- | SAMP       |         | 1/7/2022 10:02:4 | 1      | 162703    | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final   | Text             | Spike  | SPKref    | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 0       |                  | 0      | 0         | 0            | 0.0374218 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         | 0.14390659 |         |                  | 0      | 0         | 0            | 0.0845598 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Total Extractable Hydrocarbons      | A             | mg/L         | 0.2299943  |         |                  | 0      | 0         | 0            | 0.0720538 | 0.3      | 50     | 0%   | 0   | 0    | 0%   | J |
| n-Triacontane                       | S             | mg/L         | 0.1115     |         |                  | 0.0962 | 0         | 0            | 0.0003232 | 0.001924 | 0      | 116% | 50  | 150  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         | 0.2057355  |         |                  | 0.1924 | 0         | 0            | 0.0004127 | 0.002    | 0      | 107% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID | Analysis Date    | DF     | Batch ID  | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14968256                            | B22010211-001 | HC-8015-DRO- | SAMP       |         | 1/7/2022 10:45:5 | 1      | 162703    | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final   | Text             | Spike  | SPKref    | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Oil Range Hydrocarbons (C24 to C40) | A             | mg/L         | 0.63961971 |         |                  | 0      | 0         | 0            | 0.0853509 | 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 |      |     |      |      |   |
| 14968257                            | LCS-162703-RR | HC-8015-DRO- | LCS-DOD    |         | 1/7/2022 12:16:0 | 1      | 162703    | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final   | Text             | Spike  | SPKref    | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range)                      | A             | mg/L         | 5.51410723 |         |                  | 5      | 0         | 0            | 0.0879    | 0.3      | 0      | 110% | 41  | 113  | 0%   |   |
| n-Triacontane                       | S             | mg/L         | 0.1103     |         |                  | 0.1    | 0         | 0            | 0.000336  | 0.002    | 0      | 110% | 50  | 150  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID | Analysis Date    | DF     | Batch ID  | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14968258                            | LCSD-162703-R | HC-8015-DRO- | LCSD-DOD   |         | 1/7/2022 1:01:28 | 1      | 162703    | 1/4/2022 4:4 | 0         | 1E+07    |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final   | Text             | Spike  | SPKref    | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range)                      | A             | mg/L         | 5.66312313 |         |                  | 5      | 0         | 5.5141072    | 0.0879    | 0.3      | 0      | 113% | 41  | 113  | 3%   |   |
| n-Triacontane                       | S             | mg/L         | 0.1139     |         |                  | 0.1    | 0         | 0            | 0.000336  | 0.002    | 0      | 114% | 50  | 150  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID | Analysis Date    | DF     | Batch ID  | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14968259                            | B22010120-001 | HC-8015-DRO- | MS-DOD     |         | 1/7/2022 1:44:11 | 1      | 162703    | 1/4/2022 4:4 | 1E+07     | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final   | Text             | Spike  | SPKref    | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range)                      | A             | mg/L         | 5.79162359 |         |                  | 4.855  | 0.7990479 | 0            | 0.0853509 | 0.3      | 0      | 103% | 41  | 113  | 0%   |   |
| n-Triacontane                       | S             | mg/L         | 0.108      |         |                  | 0.0971 | 0         | 0            | 0.0003263 | 0.002    | 0      | 111% | 50  | 150  | 0%   |   |



| Seq No         | Lab ID       | Test Code    | Sample Typ | File ID    | Analysis Date    | DF    | Batch ID | Prep Date | SPKref   | RPDref | pmoist |      |     |      |      |   |
|----------------|--------------|--------------|------------|------------|------------------|-------|----------|-----------|----------|--------|--------|------|-----|------|------|---|
| 14970019       | CCV_0106HP54 | HC-8015-DRO- | CCV        |            | 1/7/2022 3:09:41 | 1     | R372834  |           | 0        | 0      |        |      |     |      |      |   |
| Analyte        | T            | Units        | RAW        | Final      | Text             | Spike | SPKref   | RPDref    | MDL      | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range) | A            | mg/L         |            | 5.23910889 |                  | 5     | 0        | 0         | 0.0879   | 0.3    | 0      | 105% | 80  | 120  | 0%   |   |
| n-Triacontane  | S            | mg/L         |            | 0.2179482  |                  | 0.2   | 0        | 0         | 0.000336 | 0.002  | 0      | 109% | 80  | 120  | 0%   |   |

| Seq No                             | Lab ID       | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date | SPKref   | RPDref | pmoist |      |     |      |      |   |
|------------------------------------|--------------|--------------|------------|-----------|------------------|-------|----------|-----------|----------|--------|--------|------|-----|------|------|---|
| 14970020                           | CCV_0106HP54 | HC-8015-DRO- | CCV        |           | 1/7/2022 3:52:32 | 1     | R372834  |           | 0        | 0      |        |      |     |      |      |   |
| Analyte                            | T            | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref    | MDL      | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24) | A            | mg/L         |            | 16.06031  |                  | 15    | 0        | 0         | 0.0389   | 0.3    | 0      | 107% | 80  | 120  | 0%   |   |
| Total Extractable Hydrocarbons     | A            | mg/L         |            | 16.63664  |                  | 15    | 0        | 0         | 0.0749   | 0.3    | 50     | 111% | 80  | 120  | 0%   |   |
| o-Terphenyl                        | S            | mg/L         |            | 0.2124345 |                  | 0.2   | 0        | 0         | 0.000429 | 0.002  | 0      | 106% | 80  | 120  | 0%   |   |

# Energy Laboratories Inc

# ANALYTICAL RUN Summary

10-Jan-22

Run ID GCFID-HP5-B\_220106B

|  |
|--|
| <b>Run Start Date:</b> 1/6/2022  |
| <b>Analyst:</b> Ann Nebel  |
| <b>Ical:</b>   |
| <b>Column ID:</b>  |
| <b>Comments:</b> DRO-8015-ICAL information is in Index GCFID-HP5-B_211102A<br>8015C OIL range calibration<br>GCFID-HP5-B_210218B |

| Std ID     | Std Name                                  | Std Amount | Std Units | Samp Amount | Samp Units | SampType | Expiration Date |
|------------|---|------------|-----------|-------------|------------|----------|-----------------|
| DRO211220B | Carbon Scan STD-Marker                    |            |           |             |            | MARKER   | 3/5/2028        |
| DRO220105B | 8015 CCV-15,000ug/mL + 200 OTP            |            |           |             |            | CCV-DRO  | 4/30/2023       |
| DRO220106A | 5,000 ug/mL RRO CCV 200 ug/mL Triacontane |            |           |             |            | CCV-RRO  | 4/6/2026        |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist |
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|

|          |              |              |     |  |                  |   |         |  |   |   |  |
|----------|--------------|--------------|-----|--|------------------|---|---------|--|---|---|--|
| 14970200 | CCV_0106HP54 | HC-8015-DRO- | CCV |  | 1/7/2022 6:48:53 | 1 | R372779 |  | 0 | 0 |  |
|----------|--------------|--------------|-----|--|------------------|---|---------|--|---|---|--|

| Analyte        | T | Units | RAW | Final      | Text | Spike | SPKref | RPDref | MDL      | PQL   | UQL | %REC | LOW | HIGH | %RPD | Q |
|----------------|---|-------|-----|------------|------|-------|--------|--------|----------|-------|-----|------|-----|------|------|---|
| TEH(Oil Range) | A | mg/L  |     | 5.22134521 |      | 5     | 0      | 0      | 0.0879   | 0.3   | 0   | 104% | 80  | 120  | 0%   |   |
| n-Triacontane  | S | mg/L  |     | 0.2199067  |      | 0.2   | 0      | 0      | 0.000336 | 0.002 | 0   | 110% | 80  | 120  | 0%   |   |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist |
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|

|          |              |              |     |  |                  |   |         |  |   |   |  |
|----------|--------------|--------------|-----|--|------------------|---|---------|--|---|---|--|
| 14970201 | CCV_0106HP55 | HC-8015-DRO- | CCV |  | 1/7/2022 7:32:37 | 1 | R372779 |  | 0 | 0 |  |
|----------|--------------|--------------|-----|--|------------------|---|---------|--|---|---|--|

| Analyte                            | T | Units | RAW | Final     | Text | Spike | SPKref | RPDref | MDL      | PQL   | UQL | %REC | LOW | HIGH | %RPD | Q |
|------------------------------------|---|-------|-----|-----------|------|-------|--------|--------|----------|-------|-----|------|-----|------|------|---|
| Diesel Range Organics (C10 to C24) | A | mg/L  |     | 15.91944  |      | 15    | 0      | 0      | 0.0389   | 0.3   | 0   | 106% | 80  | 120  | 0%   |   |
| Total Extractable Hydrocarbons     | A | mg/L  |     | 16.49996  |      | 15    | 0      | 0      | 0.0749   | 0.3   | 50  | 110% | 80  | 120  | 0%   |   |
| o-Terphenyl                        | S | mg/L  |     | 0.2107848 |      | 0.2   | 0      | 0      | 0.000429 | 0.002 | 0   | 105% | 80  | 120  | 0%   |   |

| Seq No | Lab ID | Test Code | Sample Typ | File ID | Analysis Date | DF | Batch ID | Prep Date | SPKref | RPDref | pmoist |
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|
|--------|--------|-----------|------------|---------|---------------|----|----------|-----------|--------|--------|--------|

|          |            |              |         |  |                  |   |        |              |   |   |  |
|----------|------------|--------------|---------|--|------------------|---|--------|--------------|---|---|--|
| 14970202 | LCS-162703 | HC-8015-DRO- | LCS-DOD |  | 1/7/2022 9:00:15 | 1 | 162703 | 1/4/2022 4:4 | 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 |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|-----------|------------------|-------|----------|--------------|-----------|---------|--------|------|-----|------|------|---|
| 14970202                            | LCS-162703    | HC-8015-DRO- | LCS-DOD    |           | 1/7/2022 9:00:15 | 1     | 162703   | 1/4/2022 4:4 | 0         | 0       |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 17.34459  |                  | 15    | 0        | 0            | 0.0389    | 0.3     | 0      | 116% | 36  | 132  | 0%   |   |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 18.48505  |                  | 15    | 0        | 0            | 0.0329    | 0.3     | 0      | 123% | 60  | 132  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.2462814 |                  | 0.2   | 0        | 0            | 0.000429  | 0.002   | 0      | 123% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref    | RPDref  | pmoist |      |     |      |      |   |
| 14970203                            | LCSD-162703   | HC-8015-DRO- | LCSD-DOD   |           | 1/7/2022 9:44:02 | 1     | 162703   | 1/4/2022 4:4 | 0         | 1E+07   |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 15.68807  |                  | 15    | 0        | 17.34459     | 0.0389    | 0.3     | 0      | 105% | 36  | 132  | 10%  |   |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 16.72927  |                  | 15    | 0        | 18.48505     | 0.0329    | 0.3     | 0      | 112% | 60  | 132  | 10%  |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.2308598 |                  | 0.2   | 0        | 0            | 0.000429  | 0.002   | 0      | 115% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref    | RPDref  | pmoist |      |     |      |      |   |
| 14970204                            | MB-162703     | HC-8015-DRO- | MBLK       |           | 1/7/2022 10:27:4 | 1     | 162703   | 1/4/2022 4:4 | 0         | 0       |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.0389    | 0.15    | 0      | 0%   | 0   | 0    | 0%   |   |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.0879    | 0.15    | 0      | 0%   | 0   | 0    | 0%   |   |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.0329    | 0.15    | 0      | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.1318    |                  | 0.1   | 0        | 0            | 0.000336  | 0.002   | 0      | 132% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.2434146 |                  | 0.2   | 0        | 0            | 0.000429  | 0.002   | 0      | 122% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF    | Batch ID | Prep Date    | SPKref    | RPDref  | pmoist |      |     |      |      |   |
| 14970205                            | B22010096-001 | HC-8015-DRO- | SAMP       |           | 1/7/2022 11:11:3 | 1     | 162703   | 1/4/2022 4:4 | 0         | 0       |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike | SPKref   | RPDref       | MDL       | PQL     | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.038511  | 0.3     | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.087021  | 0.3     | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 0         |                  | 0     | 0        | 0            | 0.032571  | 0.3     | 0      | 0%   | 0   | 0    | 0%   | U |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.1145    |                  | 0.099 | 0        | 0            | 0.0003326 | 0.00198 | 0      | 116% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.2118119 |                  | 0.198 | 0        | 0            | 0.0004247 | 0.00198 | 0      | 107% | 56  | 125  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|-----------|------------------|--------|----------|--------------|-----------|----------|--------|------|-----|------|------|---|
| 14970206                            | B22010120-001 | HC-8015-DRO- | SAMP       |           | 1/7/2022 11:55:2 | 1      | 162703   | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0389    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0879    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         | 0.07363102 |           |                  | 0      | 0        | 0            | 0.0329    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.1339    |                  | 0.1    | 0        | 0            | 0.000336  | 0.002    | 0      | 134% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.178222  |                  | 0.2    | 0        | 0            | 0.000429  | 0.002    | 0      | 89%  | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14970207                            | B22010096-001 | HC-8015-DRO- | MS-DOD     |           | 1/8/2022 12:39:0 | 1      | 162703   | 1/4/2022 4:4 | 1E+07     | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 15.30911  |                  | 14.565 | 0        | 0            | 0.0377719 | 0.3      | 0      | 105% | 36  | 132  | 0%   |   |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 16.23346  |                  | 14.565 | 0        | 0            | 0.0319459 | 0.3      | 0      | 111% | 60  | 132  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.2274672 |                  | 0.1942 | 0        | 0            | 0.0004166 | 0.002    | 0      | 117% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14970208                            | B22010143-001 | HC-8015-DRO- | SAMP       |           | 1/8/2022 2:06:36 | 1      | 162703   | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0370328 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0836808 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         | 0.0349916  |           |                  | 0      | 0        | 0            | 0.0313208 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.1232    |                  | 0.0952 | 0        | 0            | 0.0003199 | 0.001904 | 0      | 129% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.2122402 |                  | 0.1904 | 0        | 0            | 0.0004084 | 0.001904 | 0      | 111% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14970209                            | B22010148-001 | HC-8015-DRO- | SAMP       |           | 1/8/2022 2:50:20 | 1      | 162703   | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0374218 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0845598 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         | 0.04005166 |           |                  | 0      | 0        | 0            | 0.0316498 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.1172    |                  | 0.0962 | 0        | 0            | 0.0003232 | 0.001924 | 0      | 122% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.2036619 |                  | 0.1924 | 0        | 0            | 0.0004127 | 0.001924 | 0      | 106% | 56  | 125  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|------------|------------------|--------|----------|--------------|-----------|----------|--------|------|-----|------|------|---|
| 14970210                            | B22010213-002 | HC-8015-DRO- | SAMP       |            | 1/8/2022 3:34:03 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 0.9601996  |                  | 0      | 0        | 0            | 0.0389    | 0.3      | 0      | 0%   | 0   | 0    | 0%   |   |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0.15334992 |                  | 0      | 0        | 0            | 0.0879    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 1.117128   |                  | 0      | 0        | 0            | 0.0329    | 0.3      | 0      | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.1107     |                  | 0.1    | 0        | 0            | 0.000336  | 0.002    | 0      | 111% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.1731752  |                  | 0.2    | 0        | 0            | 0.000429  | 0.002    | 0      | 87%  | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14970211                            | B22010213-001 | HC-8015-DRO- | SAMP       |            | 1/8/2022 4:17:47 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 1.837147   |                  | 0      | 0        | 0            | 0.0377719 | 0.3      | 0      | 0%   | 0   | 0    | 0%   |   |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0.14640617 |                  | 0      | 0        | 0            | 0.0853509 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 2.008267   |                  | 0      | 0        | 0            | 0.0319459 | 0.3      | 0      | 0%   | 0   | 0    | 0%   |   |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.1186     |                  | 0.0971 | 0        | 0            | 0.0003263 | 0.001942 | 0      | 122% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.2160624  |                  | 0.1942 | 0        | 0            | 0.0004166 | 0.001942 | 0      | 111% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14970212                            | B22010213-003 | HC-8015-DRO- | SAMP       |            | 1/8/2022 5:01:27 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.038122  | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0          |                  | 0      | 0        | 0            | 0.086142  | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 0.0574428  |                  | 0      | 0        | 0            | 0.032242  | 0.3      | 0      | 0%   | 0   | 0    | 0%   | J |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.108      |                  | 0.098  | 0        | 0            | 0.0003293 | 0.00196  | 0      | 110% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.1830839  |                  | 0.196  | 0        | 0            | 0.0004204 | 0.00196  | 0      | 93%  | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14970213                            | CCV_0106HP56  | HC-8015-DRO- | CCV        |            | 1/8/2022 6:28:41 | 1      | R372779  |              |           |          | 0      | 0    |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range)                      | A             | mg/L         |            | 4.89038232 |                  | 5      | 0        | 0            | 0.0879    | 0.3      | 0      | 98%  | 80  | 120  | 0%   |   |
| n-Triacontane                       | S             | mg/L         |            | 0.2079595  |                  | 0.2    | 0        | 0            | 0.000336  | 0.002    | 0      | 104% | 80  | 120  | 0%   |   |

| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
|-------------------------------------|---------------|--------------|------------|-----------|------------------|--------|----------|--------------|-----------|----------|--------|------|-----|------|------|---|
| 14970214                            | CCV_0106HP56  | HC-8015-DRO- | CCV        |           | 1/8/2022 7:12:23 | 1      | R372779  |              | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24)  | A             | mg/L         |            | 16.01832  |                  | 15     | 0        | 0            | 0.0389    | 0.3      | 0      | 107% | 80  | 120  | 0%   |   |
| Total Extractable Hydrocarbons      | A             | mg/L         |            | 16.60765  |                  | 15     | 0        | 0            | 0.0749    | 0.3      | 50     | 111% | 80  | 120  | 0%   |   |
| o-Terphenyl                         | S             | mg/L         |            | 0.2121548 |                  | 0.2    | 0        | 0            | 0.000429  | 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 |      |     |      |      |   |
| 14970215                            | B22010214-001 | HC-8015-DRO- | SAMP       |           | 1/8/2022 8:38:56 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0370328 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0836808 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0313208 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.0974    |                  | 0.0952 | 0        | 0            | 0.0003199 | 0.001904 | 0      | 102% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.1578127 |                  | 0.1904 | 0        | 0            | 0.0004084 | 0.001904 | 0      | 83%  | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14970216                            | B22010134-001 | HC-8015-DRO- | SAMP       |           | 1/8/2022 9:22:23 | 1      | 162703   | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0374218 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0845598 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0316498 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.1142    |                  | 0.0962 | 0        | 0            | 0.0003232 | 0.001924 | 0      | 119% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.2114862 |                  | 0.1924 | 0        | 0            | 0.0004127 | 0.001924 | 0      | 110% | 56  | 125  | 0%   |   |
| Seq No                              | Lab ID        | Test Code    | Sample Typ | File ID   | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |   |
| 14970217                            | B22010219-001 | HC-8015-DRO- | SAMP       |           | 1/8/2022 10:05:4 | 1      | 162703   | 1/5/2022 3:1 | 0         | 0        |        |      |     |      |      |   |
| Analyte                             | T             | Units        | RAW        | Final     | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (SGT-C10 to   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0389    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Oil Range Hydrocarbons (SGT-C24 t   | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0879    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| Total Extractable Hydrocarbons (SGT | A             | mg/L         |            | 0         |                  | 0      | 0        | 0            | 0.0329    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U |
| n-Triacontane (SGT)                 | S             | mg/L         |            | 0.1104    |                  | 0.1    | 0        | 0            | 0.000336  | 0.002    | 0      | 110% | 50  | 150  | 0%   |   |
| o-Terphenyl (SGT)                   | S             | mg/L         |            | 0.1958082 |                  | 0.2    | 0        | 0            | 0.000429  | 0.002    | 0      | 98%  | 56  | 125  | 0%   |   |

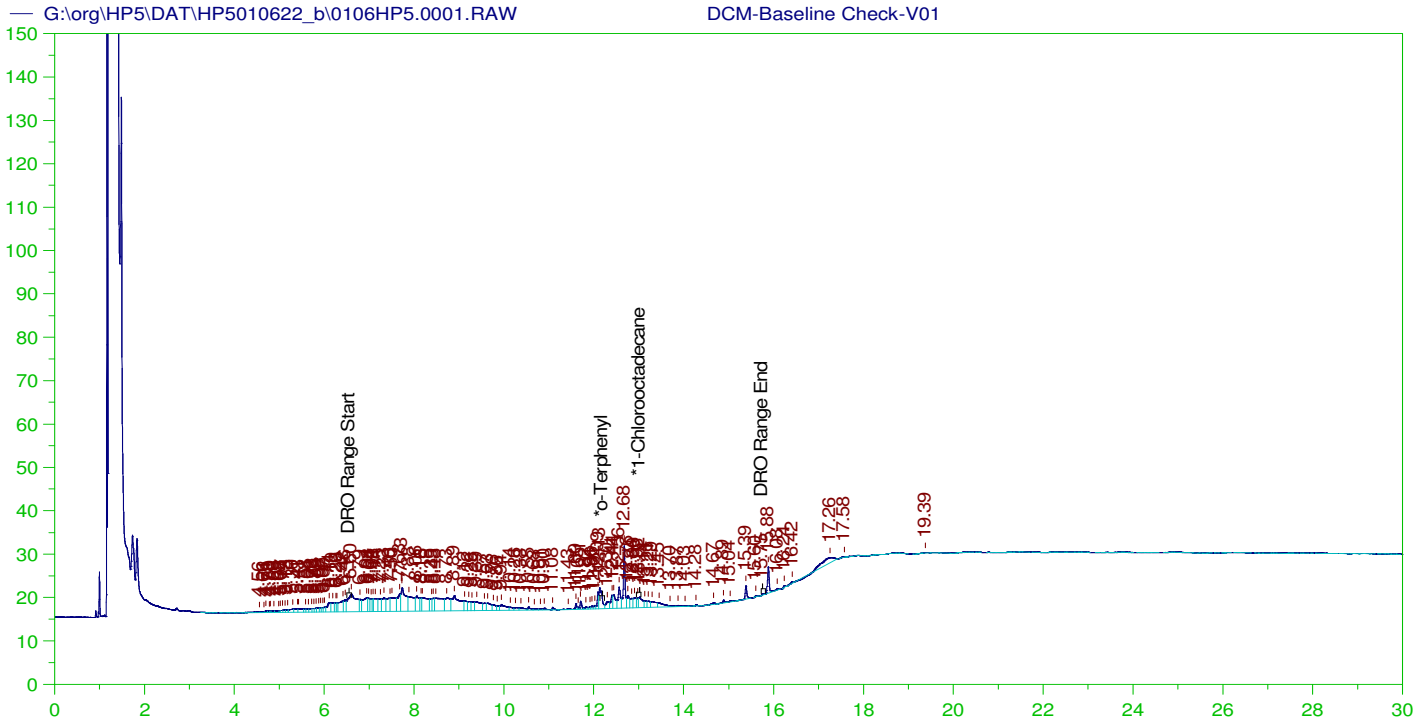
| Seq No                                | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |    |
|---------------------------------------|---------------|--------------|------------|------------|------------------|--------|----------|--------------|-----------|----------|--------|------|-----|------|------|----|
| 14970218                              | B22010145-001 | HC-8015-DRO- | SAMP       |            | 1/8/2022 11:32:4 | 1      | 162703   | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |    |
| Analyte                               | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q  |
| Diesel Range Organics (SGT-C10 to A   | mg/L          |              |            | 0          |                  | 0      | 0        | 0            | 0.0389    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U  |
| Oil Range Hydrocarbons (SGT-C24 t A   | mg/L          |              |            | 0          |                  | 0      | 0        | 0            | 0.0879    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U  |
| Total Extractable Hydrocarbons (SGT A | mg/L          |              |            | 0          |                  | 0      | 0        | 0            | 0.0329    | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U  |
| n-Triacontane (SGT)                   | S             | mg/L         |            | 0.1147     |                  | 0.1    | 0        | 0            | 0.000336  | 0.002    | 0      | 115% | 50  | 150  | 0%   |    |
| o-Terphenyl (SGT)                     | S             | mg/L         |            | 0.2150379  |                  | 0.2    | 0        | 0            | 0.000429  | 0.002    | 0      | 108% | 56  | 125  | 0%   |    |
| Seq No                                | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |    |
| 14970219                              | B22010209-001 | HC-8015-DRO- | SAMP       |            | 1/8/2022 12:15:5 | 1      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |    |
| Analyte                               | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q  |
| Diesel Range Organics (SGT-C10 to A   | mg/L          |              |            | 0          |                  | 0      | 0        | 0            | 0.0374218 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U  |
| Oil Range Hydrocarbons (SGT-C24 t A   | mg/L          |              |            | 0          |                  | 0      | 0        | 0            | 0.0845598 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U  |
| Total Extractable Hydrocarbons (SGT A | mg/L          |              |            | 0          |                  | 0      | 0        | 0            | 0.0316498 | 0.3      | 0      | 0%   | 0   | 0    | 0%   | U  |
| n-Triacontane (SGT)                   | S             | mg/L         |            | 0.1185     |                  | 0.0962 | 0        | 0            | 0.0003232 | 0.001924 | 0      | 123% | 50  | 150  | 0%   |    |
| o-Terphenyl (SGT)                     | S             | mg/L         |            | 0.2147862  |                  | 0.1924 | 0        | 0            | 0.0004127 | 0.001924 | 0      | 112% | 56  | 125  | 0%   |    |
| Seq No                                | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |    |
| 14970220                              | B22010211-001 | HC-8015-DRO- | SAMP       |            | 1/8/2022 12:59:1 | 5      | 162703   | 1/5/2022 3:0 | 0         | 0        |        |      |     |      |      |    |
| Analyte                               | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q  |
| Diesel Range Organics (SGT-C10 to A   | mg/L          |              |            | 153.9331   |                  | 0      | 0        | 0            | 0.1888595 | 1.4565   | 0      | 0%   | 0   | 0    | 0%   |    |
| Oil Range Hydrocarbons (SGT-C24 t A   | mg/L          |              |            | 0          |                  | 0      | 0        | 0            | 0.4267545 | 1.4565   | 0      | 0%   | 0   | 0    | 0%   | UO |
| Total Extractable Hydrocarbons (SGT A | mg/L          |              |            | 155.0297   |                  | 0      | 0        | 0            | 0.1597295 | 1.4565   | 0      | 0%   | 0   | 0    | 0%   |    |
| n-Triacontane (SGT)                   | S             | mg/L         |            | 0.1079     |                  | 0.0971 | 0        | 0            | 0.0016313 | 0.00971  | 0      | 111% | 50  | 150  | 0%   |    |
| o-Terphenyl (SGT)                     | S             | mg/L         |            | 0.1889196  |                  | 0.1942 | 0        | 0            | 0.0020828 | 0.00971  | 0      | 97%  | 56  | 125  | 0%   |    |
| Seq No                                | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref   | pmoist |      |     |      |      |    |
| 14970221                              | LCS-162703-RR | HC-8015-DRO- | LCS-DOD    |            | 1/8/2022 1:42:17 | 1      | 162703   | 1/4/2022 4:4 | 0         | 0        |        |      |     |      |      |    |
| Analyte                               | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL      | UQL    | %REC | LOW | HIGH | %RPD | Q  |
| TEH (SGT-Oil Range)                   | A             | mg/L         |            | 4.85415936 |                  | 5      | 0        | 0            | 0.0879    | 0.3      | 0      | 97%  | 41  | 113  | 0%   |    |
| n-Triacontane (SGT)                   | S             | mg/L         |            | 0.0938     |                  | 0.1    | 0        | 0            | 0.000336  | 0.002    | 0      | 94%  | 50  | 150  | 0%   |    |

| Seq No                             | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref | pmoist |      |     |      |      |   |
|------------------------------------|---------------|--------------|------------|------------|------------------|--------|----------|--------------|-----------|--------|--------|------|-----|------|------|---|
| 14970222                           | LCSD-162703-R | HC-8015-DRO- | LCSD-DOD   |            | 1/8/2022 3:08:33 | 1      | 162703   | 1/4/2022 4:4 | 0         | 1E+07  |        |      |     |      |      |   |
| Analyte                            | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH (SGT-Oil Range)                | A             | mg/L         |            | 5.09171963 |                  | 5      | 0        | 4.8541594    | 0.0879    | 0.3    | 0      | 102% | 41  | 113  | 5%   |   |
| n-Triacontane (SGT)                | S             | mg/L         |            | 0.0983     |                  | 0.1    | 0        | 0            | 0.000336  | 0.002  | 0      | 98%  | 50  | 150  | 0%   |   |
| Seq No                             | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref | pmoist |      |     |      |      |   |
| 14970223                           | B22010120-001 | HC-8015-DRO- | MS-DOD     |            | 1/8/2022 4:34:50 | 1      | 162703   | 1/4/2022 4:4 | 1E+07     | 0      |        |      |     |      |      |   |
| Analyte                            | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH (SGT-Oil Range)                | A             | mg/L         |            | 5.11005783 |                  | 4.855  | 0        | 0            | 0.0853509 | 0.3    | 0      | 105% | 41  | 113  | 0%   |   |
| n-Triacontane (SGT)                | S             | mg/L         |            | 0.1007     |                  | 0.0971 | 0        | 0            | 0.0003263 | 0.002  | 0      | 104% | 50  | 150  | 0%   |   |
| Seq No                             | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref | pmoist |      |     |      |      |   |
| 14970224                           | CCV_0106HP58  | HC-8015-DRO- | CCV        |            | 1/8/2022 6:01:44 | 1      | R372779  |              |           | 0      | 0      |      |     |      |      |   |
| Analyte                            | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| TEH(Oil Range)                     | A             | mg/L         |            | 5.15023193 |                  | 5      | 0        | 0            | 0.0879    | 0.3    | 0      | 103% | 80  | 120  | 0%   |   |
| n-Triacontane                      | S             | mg/L         |            | 0.2181202  |                  | 0.2    | 0        | 0            | 0.000336  | 0.002  | 0      | 109% | 80  | 120  | 0%   |   |
| Seq No                             | Lab ID        | Test Code    | Sample Typ | File ID    | Analysis Date    | DF     | Batch ID | Prep Date    | SPKref    | RPDref | pmoist |      |     |      |      |   |
| 14970225                           | CCV_0106HP58  | HC-8015-DRO- | CCV        |            | 1/8/2022 6:45:09 | 1      | R372779  |              |           | 0      | 0      |      |     |      |      |   |
| Analyte                            | T             | Units        | RAW        | Final      | Text             | Spike  | SPKref   | RPDref       | MDL       | PQL    | UQL    | %REC | LOW | HIGH | %RPD | Q |
| Diesel Range Organics (C10 to C24) | A             | mg/L         |            | 16.20156   |                  | 15     | 0        | 0            | 0.0389    | 0.3    | 0      | 108% | 80  | 120  | 0%   |   |
| Total Extractable Hydrocarbons     | A             | mg/L         |            | 16.79279   |                  | 15     | 0        | 0            | 0.0749    | 0.3    | 50     | 112% | 80  | 120  | 0%   |   |
| o-Terphenyl                        | S             | mg/L         |            | 0.2145993  |                  | 0.2    | 0        | 0            | 0.000429  | 0.002  | 0      | 107% | 80  | 120  | 0%   |   |





| Write Sequence                        | Data File | Sample Name   | Method  | Weight | Dil Factor | Amt Inj. | IS | Cal ID |
|---------------------------------------|-----------|---|---|--------|------------|----------|----|--------|
| G:\org\HP5\DAT\HP5010622_b0106HP5.46r |           | DCM-Baseline Check-V46                              | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.47r |           | DCM-Baseline Check-V47                              | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.48r |           | MARKER_0106HP548r, DRO_0106HP5, DRO22106A           | G:\Org\HP5\Methods\DCSC220106a.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.49r |           | CCV_0106HP549r, RRO_0106HP5, DRO22106A              | G:\Org\HP5\Methods\DC_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.50r |           | CCV_0106HP550r, DRO_0106HP5, DRO22105B              | G:\Org\HP5\Methods\DC_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.51r |           | DCM-Baseline Check-V51                              | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.52r |           | LCS-162703_0106HP5, SGT                             | G:\Org\HP5\Methods\D3_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1000   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.53r |           | LCS-D-162703_0106HP5, SGT                           | G:\Org\HP5\Methods\D3_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1000   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.54r |           | MB-162703_0106HP5, SGT                              | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1000   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.55r |           | B22010096-001D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1010   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.56r |           | B22010120-001D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-010656-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010656-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met | 1000   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.57r |           | B22010096-001DMS_0106HP5, SGT                       | G:\Org\HP5\Methods\D3_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1030   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.58r |           | DCM-Baseline Check-V58                              | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.59r |           | B22010143-001D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1050   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.60r |           | B22010148-001D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1040   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.61r |           | B22010213-002B_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-010661-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010661-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met | 1000   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.62r |           | B22010213-001D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-010662-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010662-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met | 1030   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.63r |           | B22010213-003D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1020   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.64r |           | MARKER_0106HP564r, DRO_0106HP5, DRO22106A           | G:\Org\HP5\Methods\DCSC220106a.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.65r |           | CCV_0106HP565r, RRO_0106HP5, DRO22106A              | G:\Org\HP5\Methods\DC_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.66r |           | CCV_0106HP566r, DRO_0106HP5, DRO22105B              | G:\Org\HP5\Methods\DC_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.67r |           | DCM-Baseline Check-V67                              | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.68r |           | B22010214-001D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1050   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.69r |           | B22010134-001D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1040   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.70r |           | B22010219-001D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1000   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.71r |           | DCM-Baseline Check-V71                              | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.72r |           | B22010145-001D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1000   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.73r |           | B22010209-001D_0106HP5, \$HC-8015-DRO-W, SGT        | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1040   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.74r |           | B22010211-001D_0106HP5, \$HC-8015-DRO-W, SGT,,(1,5) | G:\Org\HP5\Methods\DR_8015-010674-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010674-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met | 1030   | 5          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.75r |           | LCS-162703-RRO_0106HP5, SGT                         | G:\Org\HP5\Methods\D3_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1000   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.76r |           | DCM-Baseline Check-V76                              | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.77r |           | LCS-D-162703-RRO_0106HP5, SGT                       | G:\Org\HP5\Methods\D3_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1000   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.78r |           | DCM-Baseline Check-V78                              | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.79r |           | B22010120-001DMS-RRO_0106HP5, SGT                   | G:\Org\HP5\Methods\D3_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1030   | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.80r |           | MARKER_0106HP580r, DRO_0106HP5, DRO22106A           | G:\Org\HP5\Methods\DCSC220106a.met  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.81r |           | CCV_0106HP581r, RRO_0106HP5, DRO22106A              | G:\Org\HP5\Methods\DC_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1      | 1          | 1        | 1  | 0      |
| G:\org\HP5\DAT\HP5010622_b0106HP5.82r |           | CCV_0106HP582r, DRO_0106HP5, DRO22105B              | G:\Org\HP5\Methods\DC_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1      | 1          | 1        | 1  | 0      |



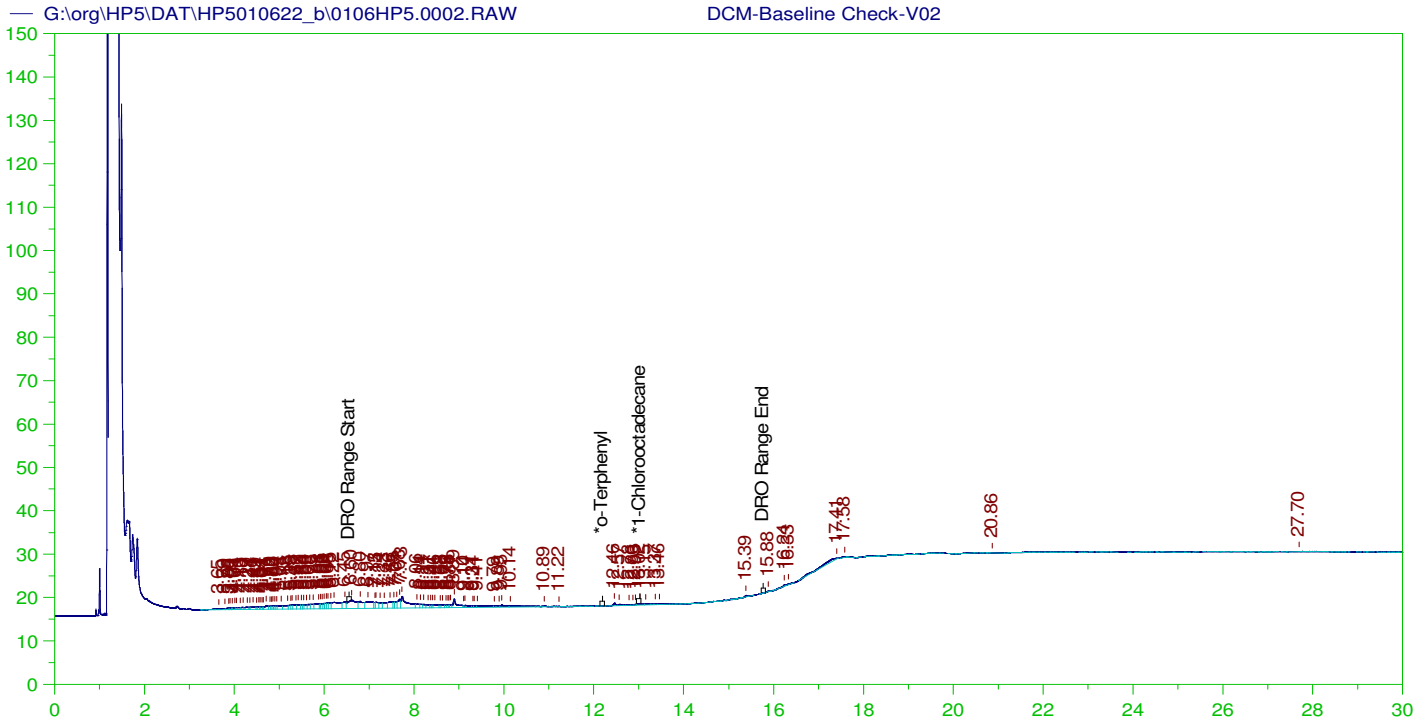
**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V01  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0001.RAW  
 Date & Time Acquired: 1/6/2022 6:59:44 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 29.874 | 200.   | .        | -     |
| *1-Chlorooctadecane | 13.018 | 200.   | .412     | .21 - |

DRO Area: 809014.1 DRO Amount: 25.80324  
 TEH Area: 982414.3 TEH Amount: 31.33379



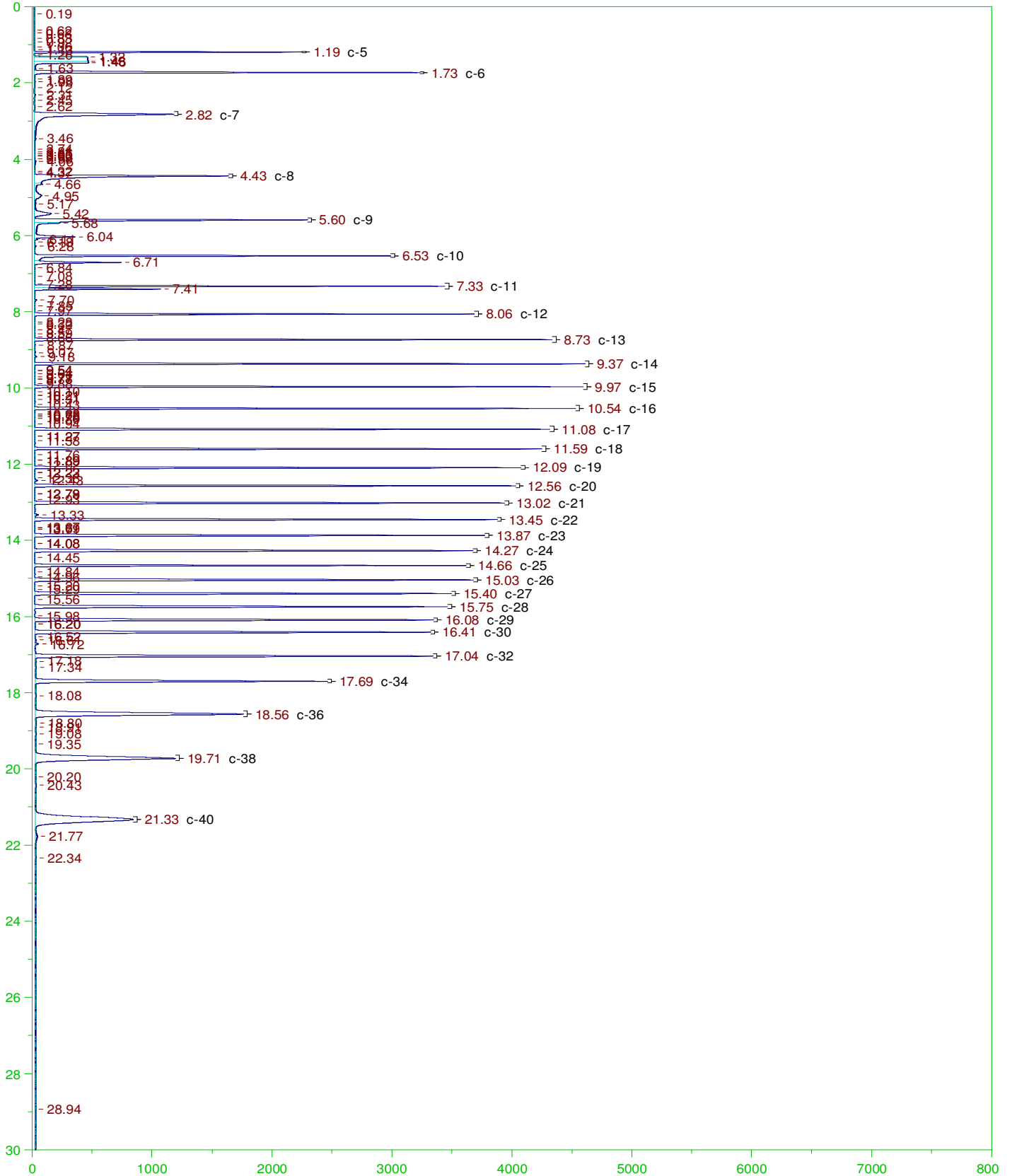
**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

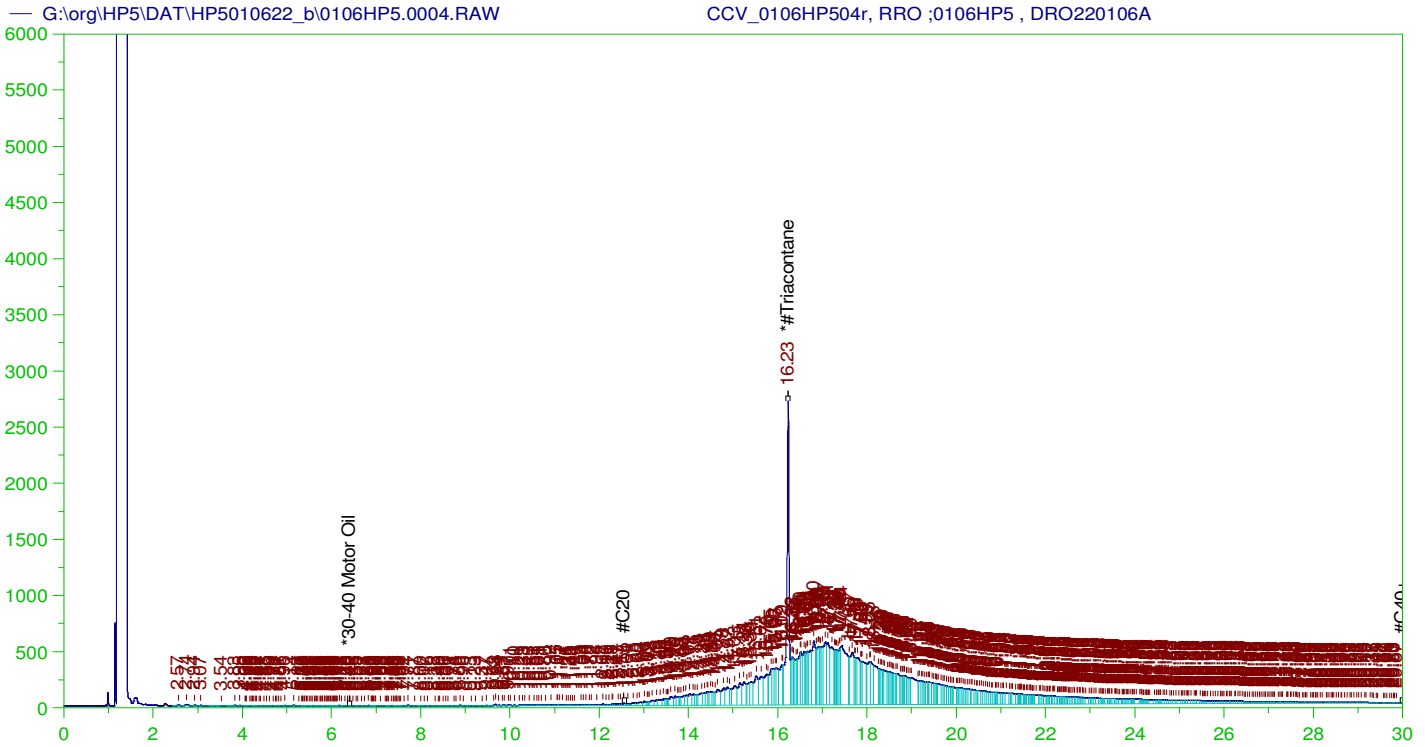
Sample Name: DCM-Baseline Check-V02  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0002.RAW  
 Date & Time Acquired: 1/6/2022 7:42:43 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 29.926 | 200.   | .        | -    |
| *1-Chlorooctadecane | 13.022 | 200.   | .072     | .04  |

DRO Area: 229372.9 DRO Amount: 7.315774  
 TEH Area: 402772 TEH Amount: 12.84628





**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP504r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0004.RAW  
 Date & Time Acquired: 1/6/2022 9:56:57 AM  
 Method File: G:\Org\HP5\Methods\DC\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC |   |
|--------------------|--------|--------|----------|------|---|
| *#Triacontane      | 16.229 | 500.   | 327.987  | 65.6 | - |

~~RRO~~ TEH (Oil Range) Area:1.282876E+08 ~~RRO~~ TEH (Oil Range) AMOUNT: 4494.63

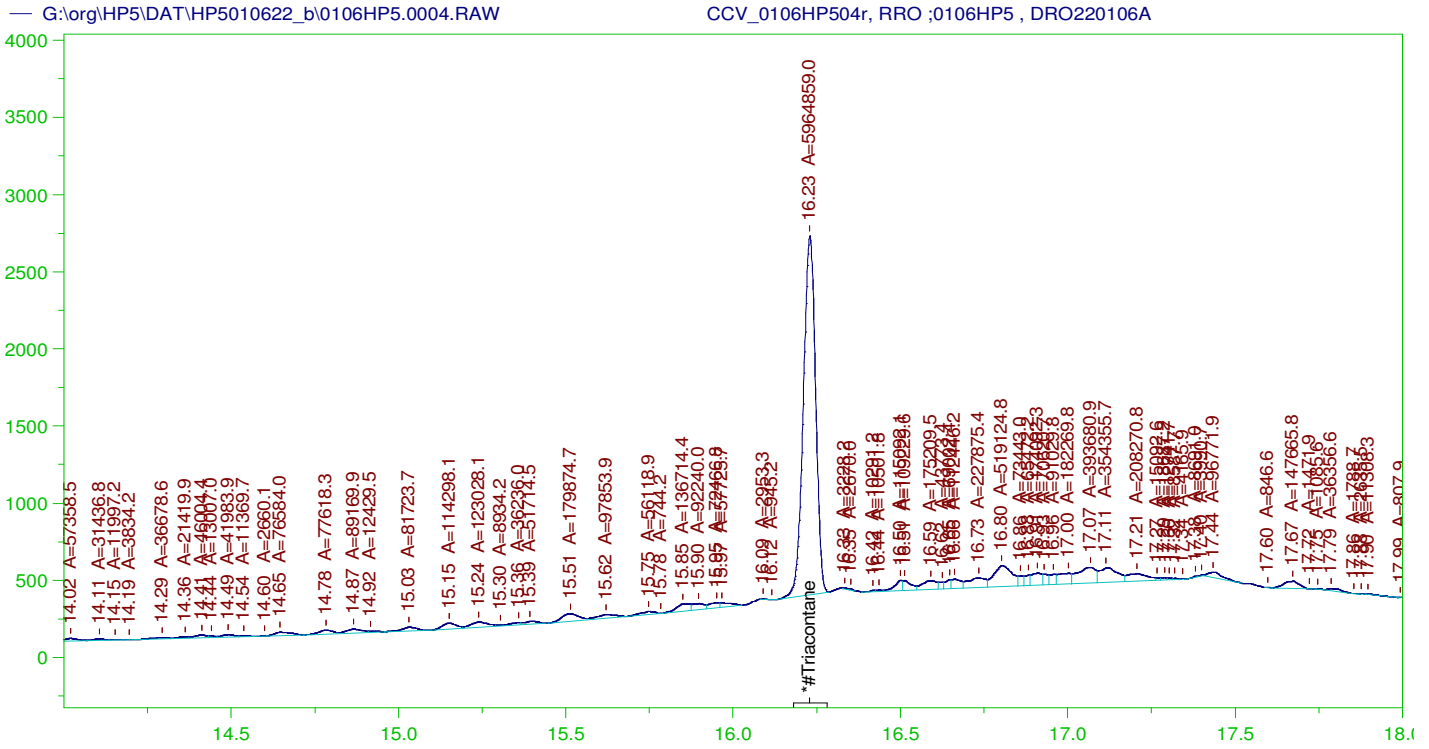
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0004.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .035          | .         | 75-125 |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.229 | 200.   | 327.987  | 163.99 | 75-125 |

AMN 01/31/2022



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP504r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0004.RAW  
 Date & Time Acquired: 1/6/2022 9:56:57 AM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.229 | 500.   | 206.181  | 41.24 |

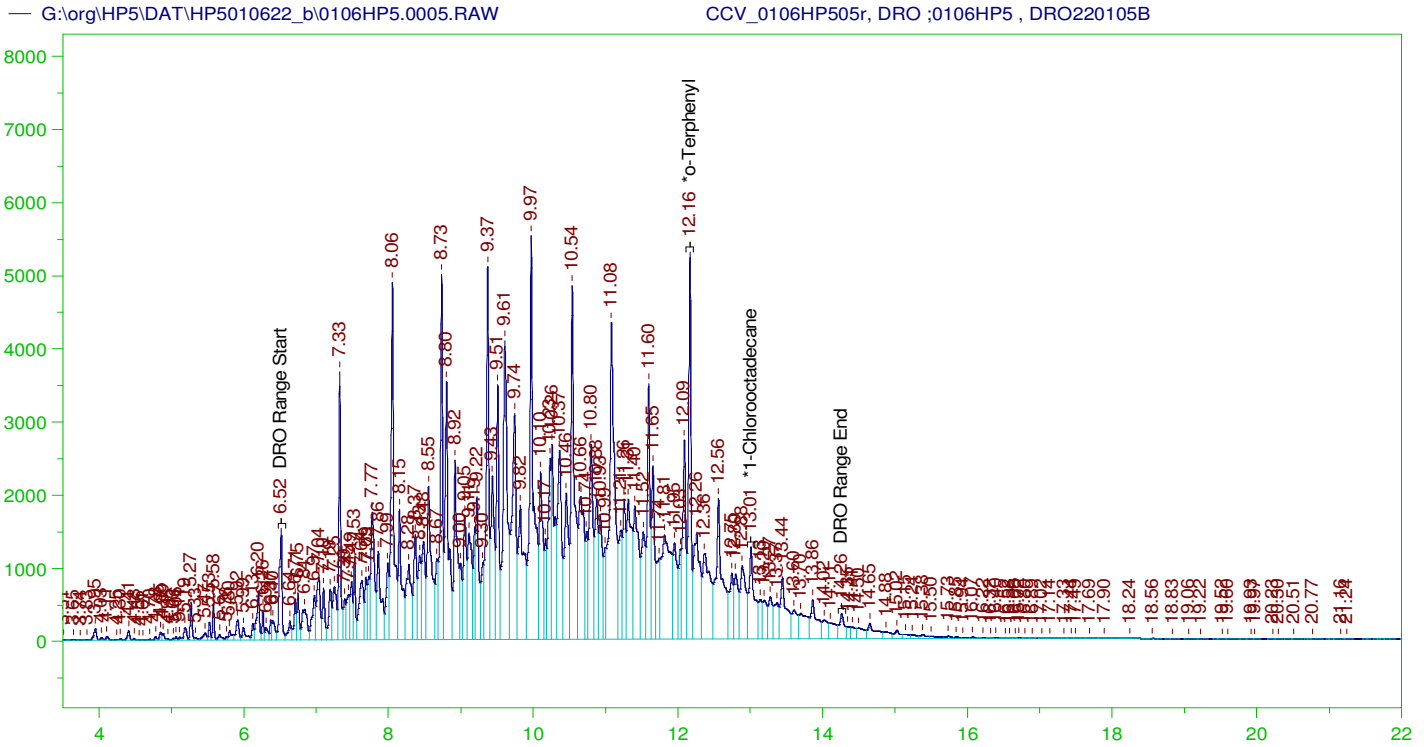
RRO Area:5659553 RRO AMOUNT: 198.2857

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0004.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .035          | .         | 75-125 |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.229 | 200.   | 206.181  | 103.09 | 75-125 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP505r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0005.RAW  
 Date & Time Acquired: 1/6/2022 10:40:02 AM  
 Method File: G:\Org\HP5\Methods\DC\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.165 | 200.   | 361.684  | 180.84 |
| *1-Chlorooctadecane | 13.009 | 200.   | 182.542  | 91.27  |

DRO Area: 5.231236E+08 DRO Amount: 16684.86  
 TEH Area: 5.423295E+08 TEH Amount: 17297.43

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0005.RAW

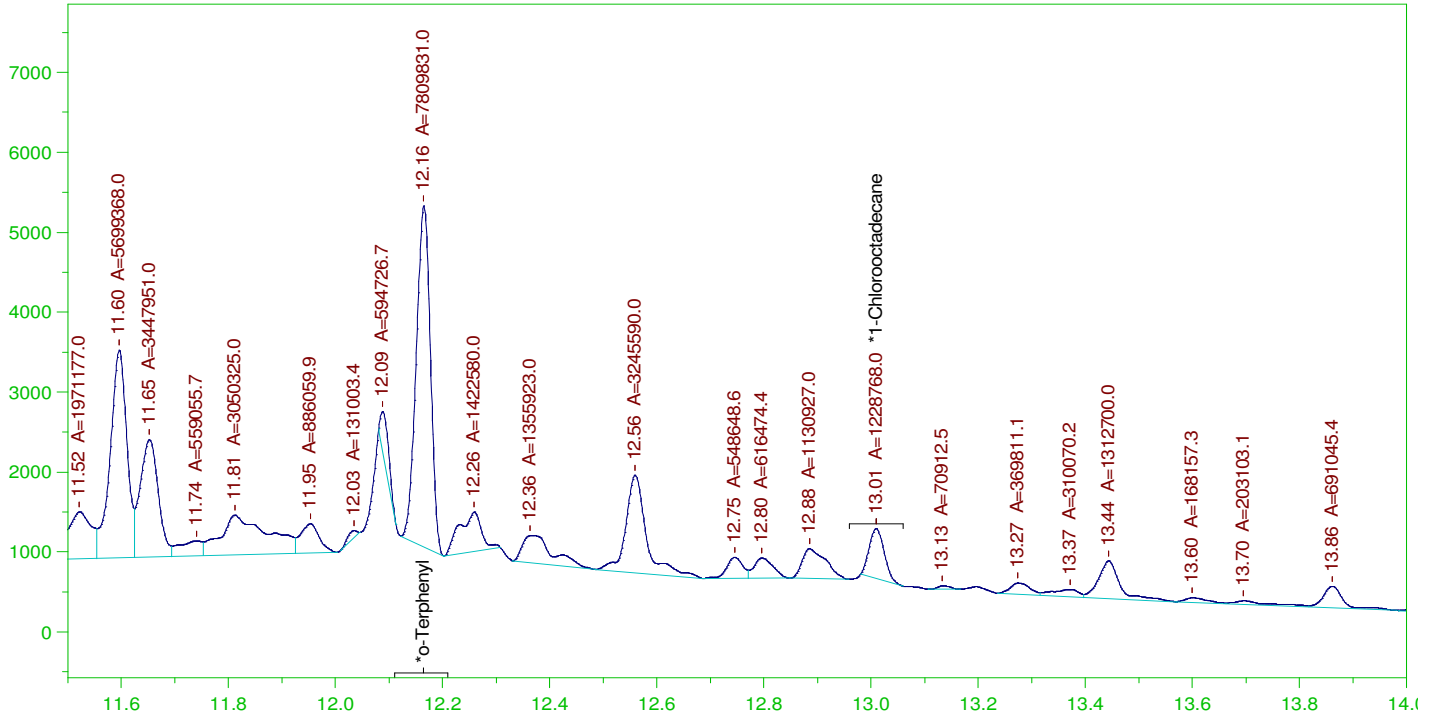
| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 17297.43      | 115.32    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.165 | 200.   | 361.684  | 180.84 | 85-115 |
| *1-Chlorooctadecane | 13.009 | 200.   | 182.542  | 91.27  | 85-115 |



G:\org\HP5\DAT\HP5010622\_b\0106HP5.0005.RAW

CCV\_0106HP505r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP505r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0005.RAW  
 Date & Time Acquired: 1/6/2022 10:40:02 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

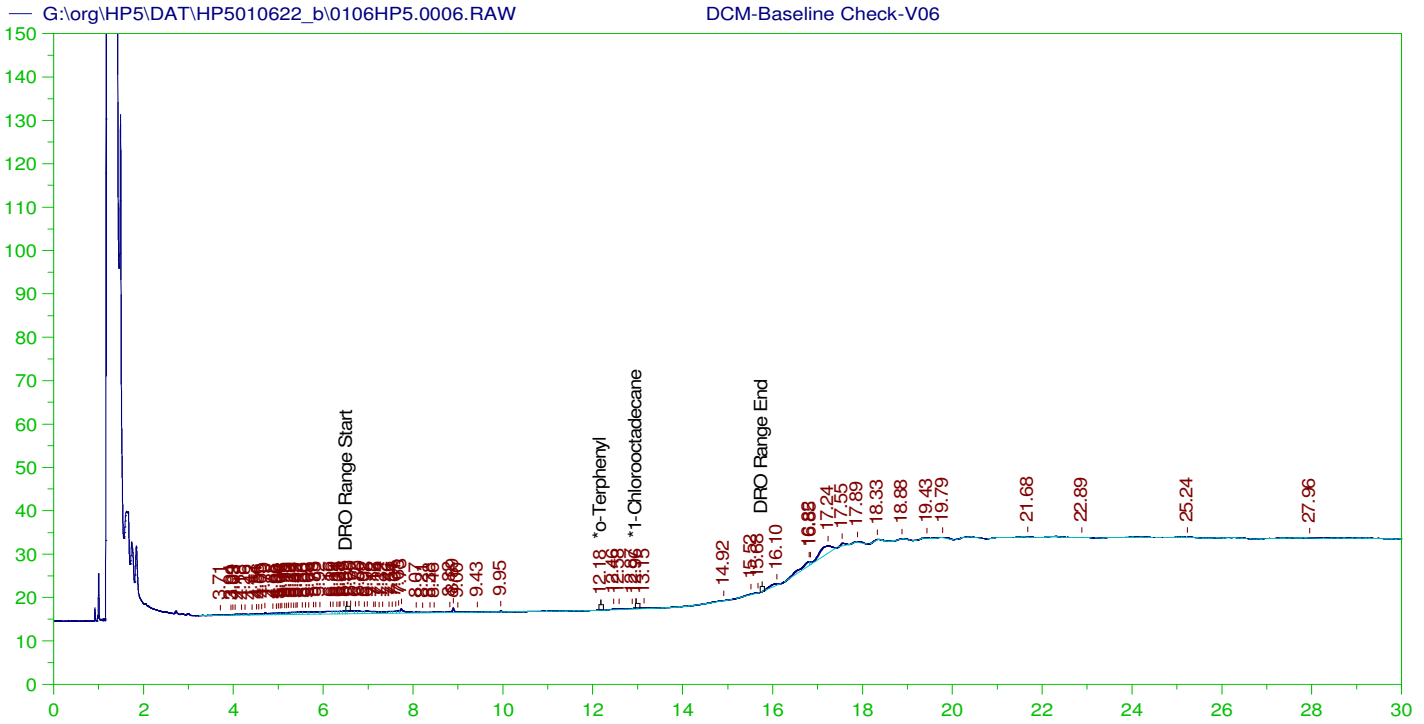
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.165 | 200.   | 219.938  | 109.97 |
| *1-Chlorooctadecane | 13.009 | 200.   | 34.604   | 17.3   |

DRO Area: 2.900371E+08 DRO Amount: 9250.64  
 TEH Area: 3.017861E+08 TEH Amount: 9625.37

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0005.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 9625.37       | 64.17     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.165 | 200.   | 219.938  | 109.97 | 85-115 |
| *1-Chlorooctadecane | 13.009 | 200.   | 34.604   | 17.3   | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V06  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0006.RAW  
 Date & Time Acquired: 1/6/2022 11:23:20 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

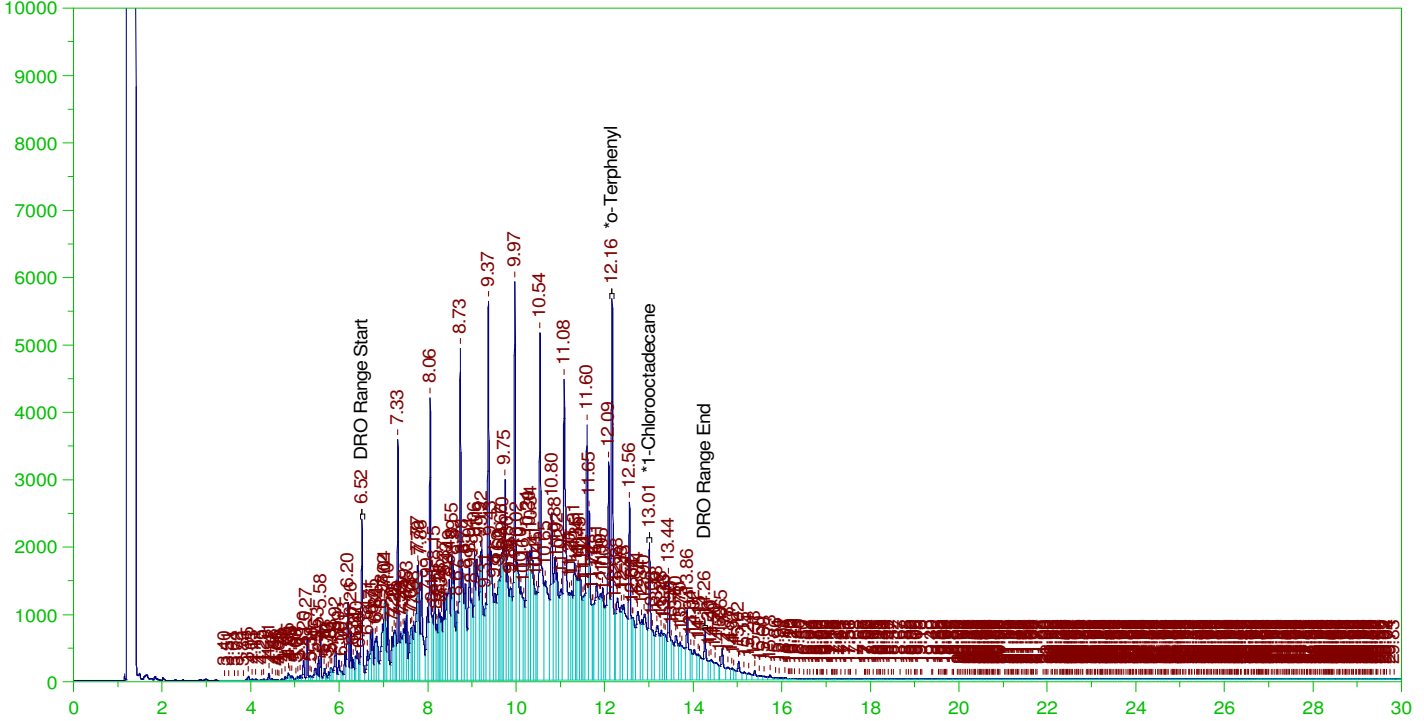
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.176 | 200.   | .017     | .01  | - |
| *1-Chlorooctadecane | 12.963 | 200.   | .024     | .01  | - |

DRO Area:75536.8 DRO Amount: 2.409222  
 TEH Area:235085.8 TEH Amount: 7.497986

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0007.RAW

LCS-162703 ;0106HP5 ,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: LCS-162703 ;0106HP5 ,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0007.RAW  
Date & Time Acquired: 1/6/2022 12:06:33 PM  
Method File: G:\Org\HP5\Methods\D3\_8015-24-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

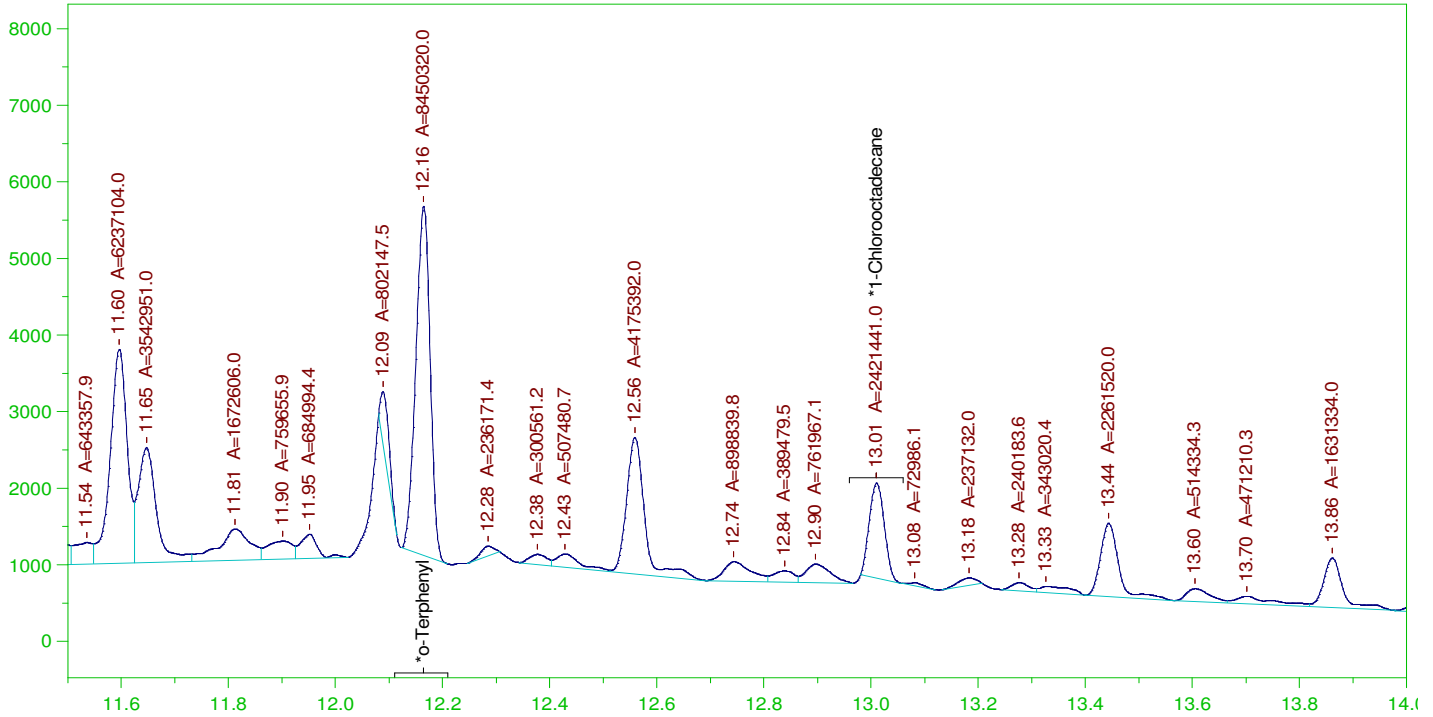
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.165 | .2     | .412     | 205.93 | - |
| *1-Chlorooctadecane | 13.01  | .2     | .191     | 95.5   | - |

DRO Area: 5.450228E+08 DRO Amount: 17.38333  
TEH Area: 5.827727E+08 TEH Amount: 18.58735

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0007.RAW

LCS-162703 ;0106HP5 ,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: LCS-162703 ;0106HP5 ,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0007.RAW  
Date & Time Acquired: 1/6/2022 12:06:33 PM  
Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

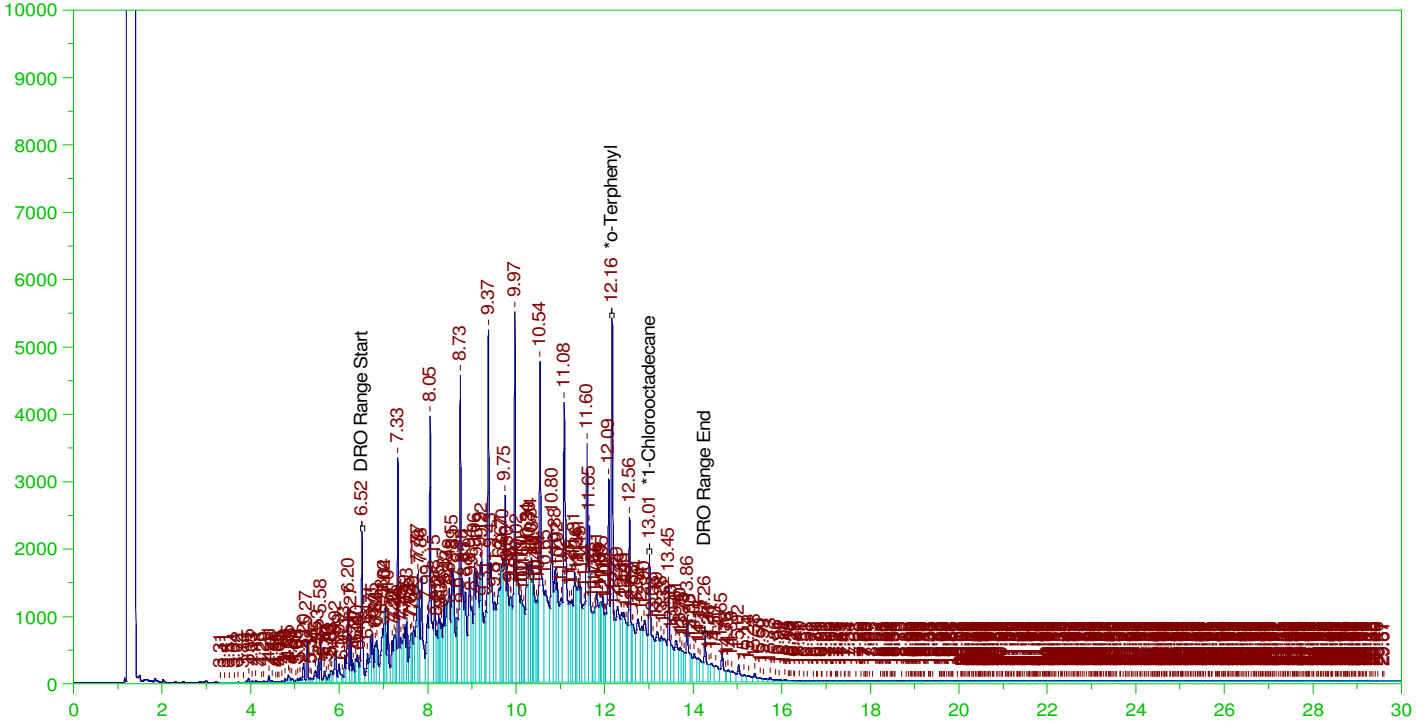
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.165 | .2     | .238     | 118.99 | - |
| *1-Chlorooctadecane | 13.01  | .2     | .068     | 34.1   | - |

DRO Area: 2.669178E+08 DRO Amount: 8.513258  
TEH Area: 2.856601E+08 TEH Amount: 9.111038

Batch ID: 162703

LCSD-162703 ;0106HP5 ,

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0008.RAW



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: LCSD-162703 ;0106HP5 ,  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0008.RAW  
 Date & Time Acquired: 1/6/2022 12:49:37 PM  
 Method File: G:\Org\HP5\Methods\D3\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

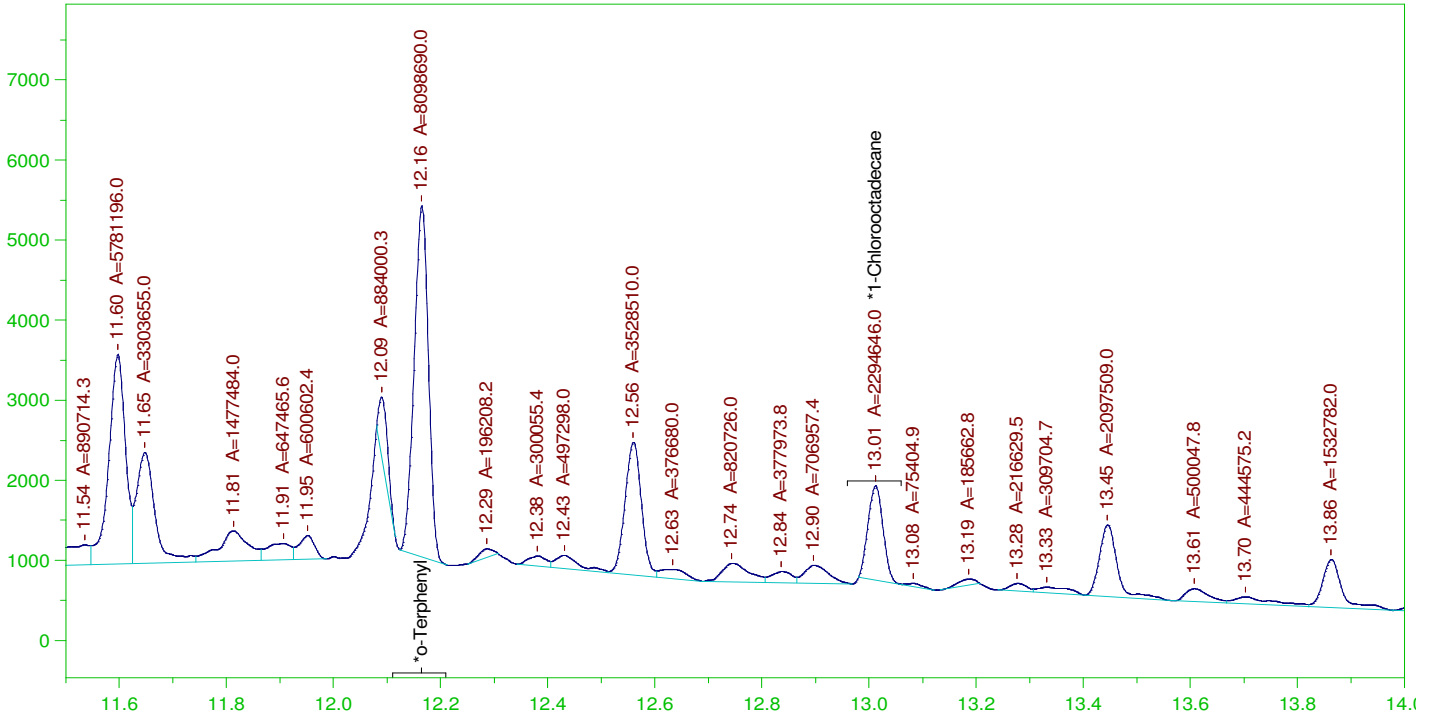
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.165 | .2     | .386     | 192.89 | - |
| *1-Chlorooctadecane | 13.012 | .2     | .178     | 88.95  | - |

DRO Area: 5.064639E+08 DRO Amount: 16.1535  
 TEH Area: 5.417034E+08 TEH Amount: 17.27746

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0008.RAW

LCSD-162703 ;0106HP5 ,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

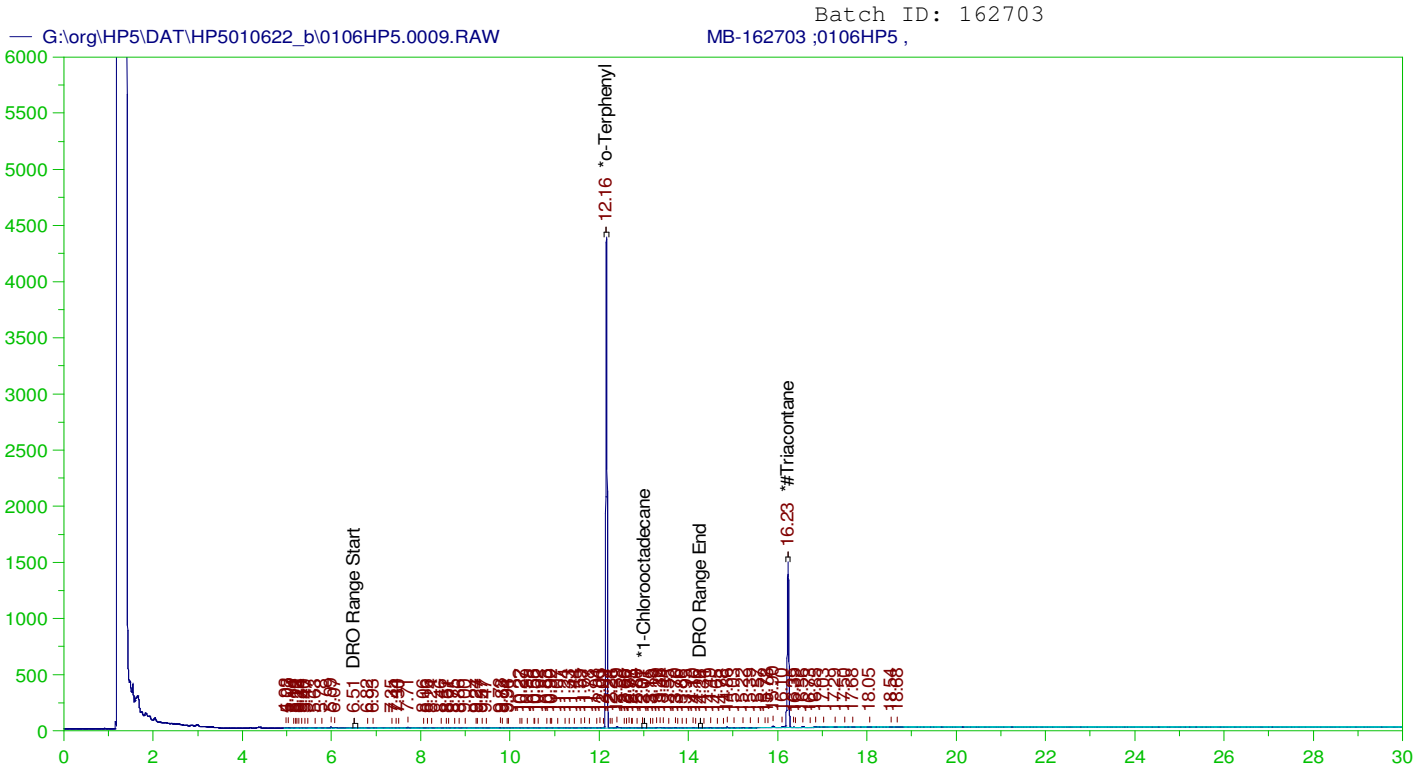
Sample Name: LCSD-162703 ;0106HP5 ,  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0008.RAW  
 Date & Time Acquired: 1/6/2022 12:49:37 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.165 | .2     | .228     | 114.04 |
| *1-Chlorooctadecane | 13.012 | .2     | .065     | 32.31  |

DRO Area: 2.476856E+08 DRO Amount: 7.899854  
 TEH Area: 2.653828E+08 TEH Amount: 8.464298



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

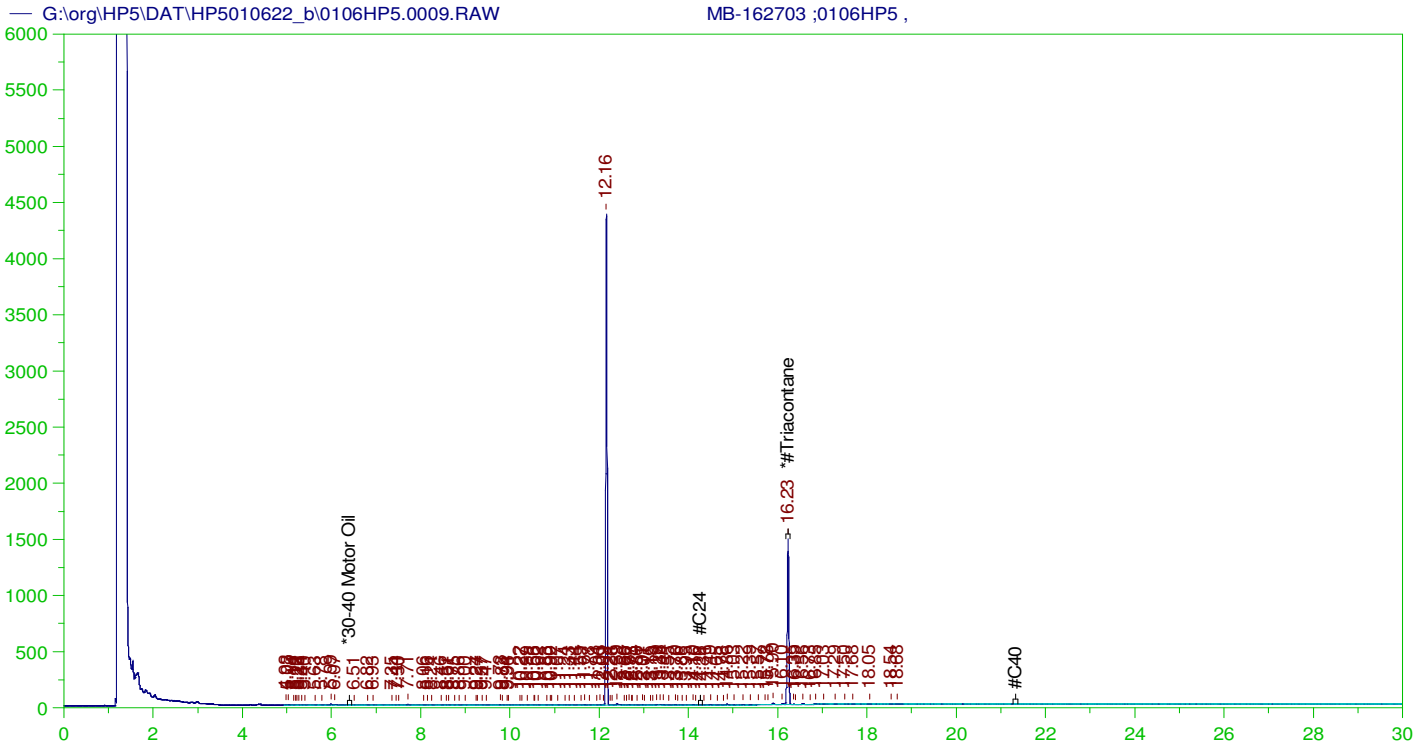
Sample Name: MB-162703 ;0106HP5 ,  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0009.RAW  
 Date & Time Acquired: 1/6/2022 1:32:50 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC     |
|---------------------|--------|--------|----------|----------|
| *o-Terphenyl        | 12.161 | .2     | .229     | 114.44 - |
| *1-Chlorooctadecane | 13.007 | .2     | .04      | -        |
| *#Triacontane       | 16.228 | .2     | .13      | 64.76 -  |

DRO Area:332434.3 DRO Amount: 1.060288E-02  
 TEH Area:672234.9 TEH Amount: 2.144072E-02



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: MB-162703 ;0106HP5 ,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0009.RAW  
Date & Time Acquired: 1/6/2022 1:32:50 PM  
Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC |
|--------------------|--------|--------|----------|------|
| *#Triacontane      | 16.228 | .5     | .13      | 25.9 |

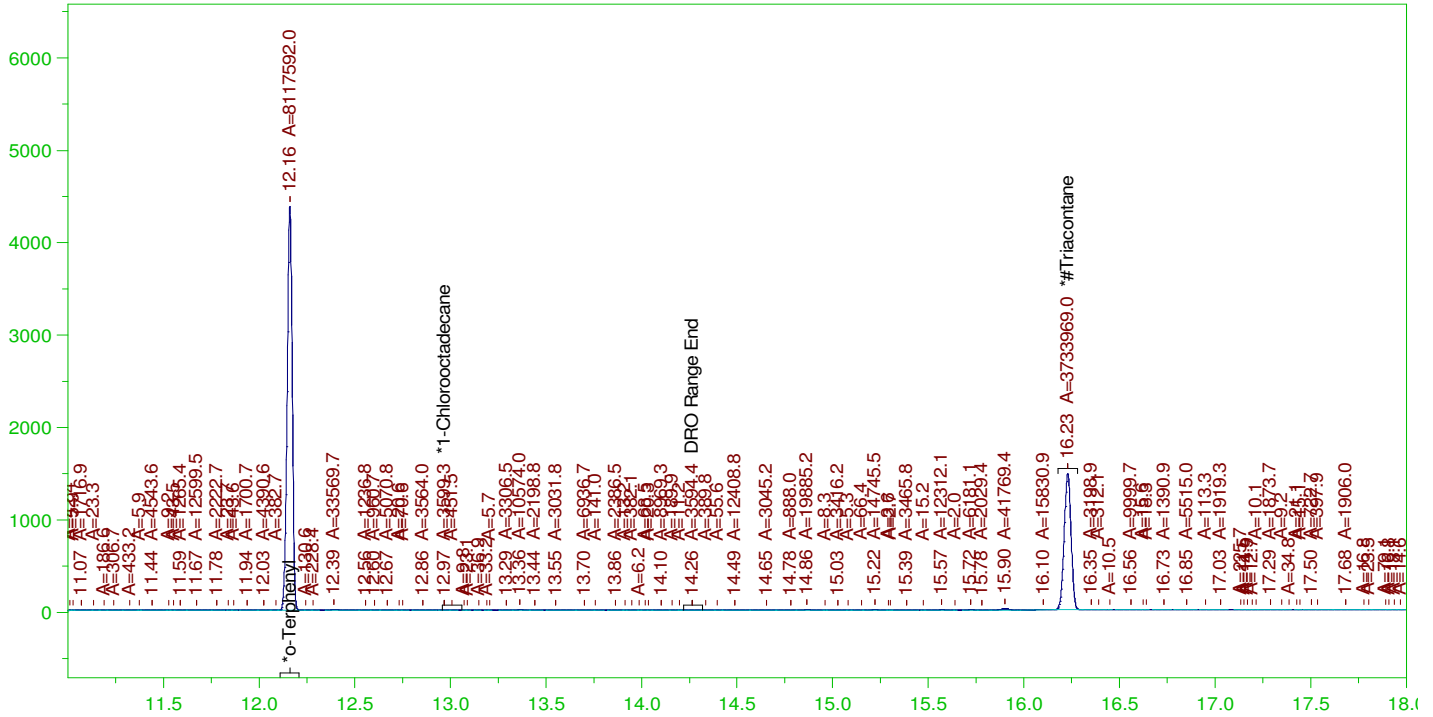
RRO Area:204385.9 RRO AMOUNT: 7.160778E-03



Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0009.RAW

MB-162703 ;0106HP5 ,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: MB-162703 ;0106HP5 ,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0009.RAW  
Date & Time Acquired: 1/6/2022 1:32:50 PM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.161 | .2     | .229     | 114.3 |
| *1-Chlorooctadecane | 12.971 | .2     | .05      | -     |
| *#Triacontane       | 16.228 | .2     | .129     | 64.53 |

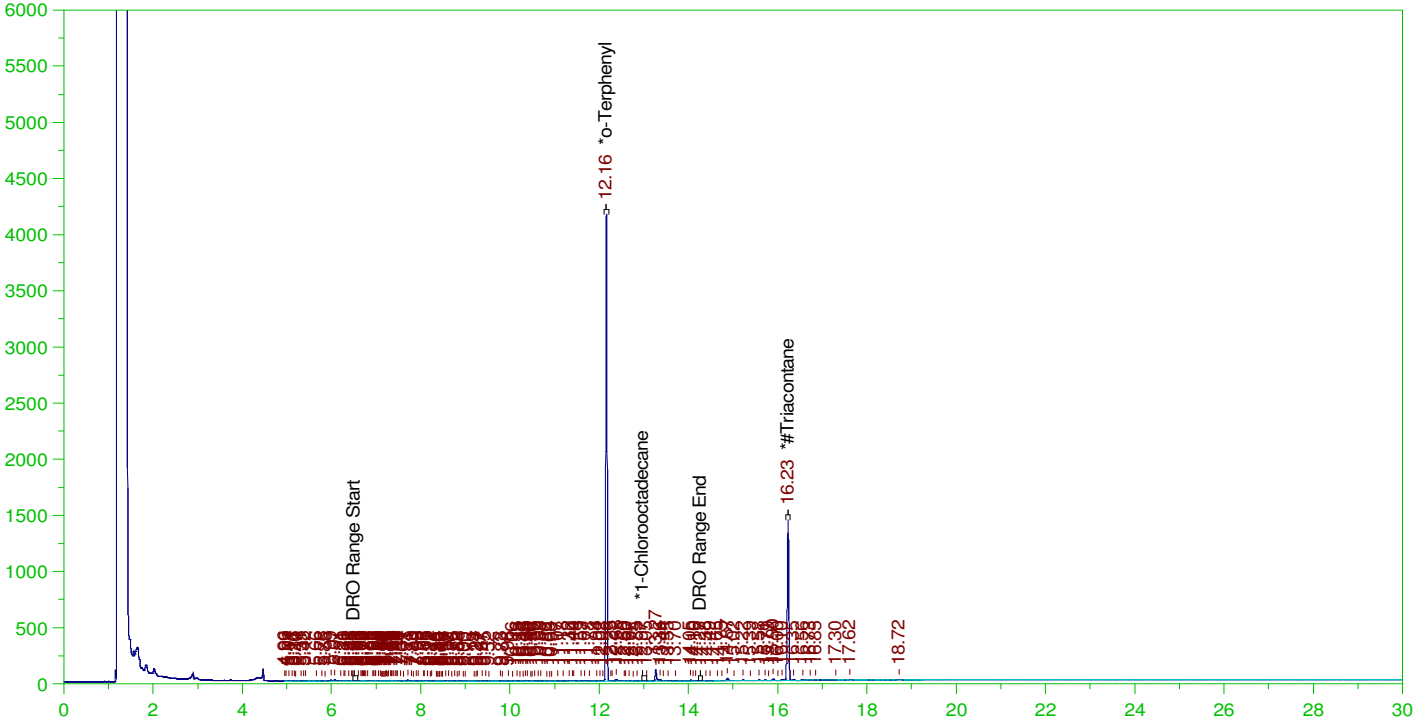
DRO Area:222866.8 DRO Amount: 7.108264E-03  
TEH Area:656391.4 TEH Amount: 2.093539E-02

ERH2297 (RHMW15 zone5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0010.RAW

B22010096-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010096-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0010.RAW  
Date & Time Acquired: 1/6/2022 2:16:04 PM  
Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1010 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.16  | .198   | .215     | 108.38 | - |
| *1-Chlorooctadecane | 12.969 | .198   | .        | .16    | - |
| *#Triacontane       | 16.228 | .198   | .123     | 62.03  | - |

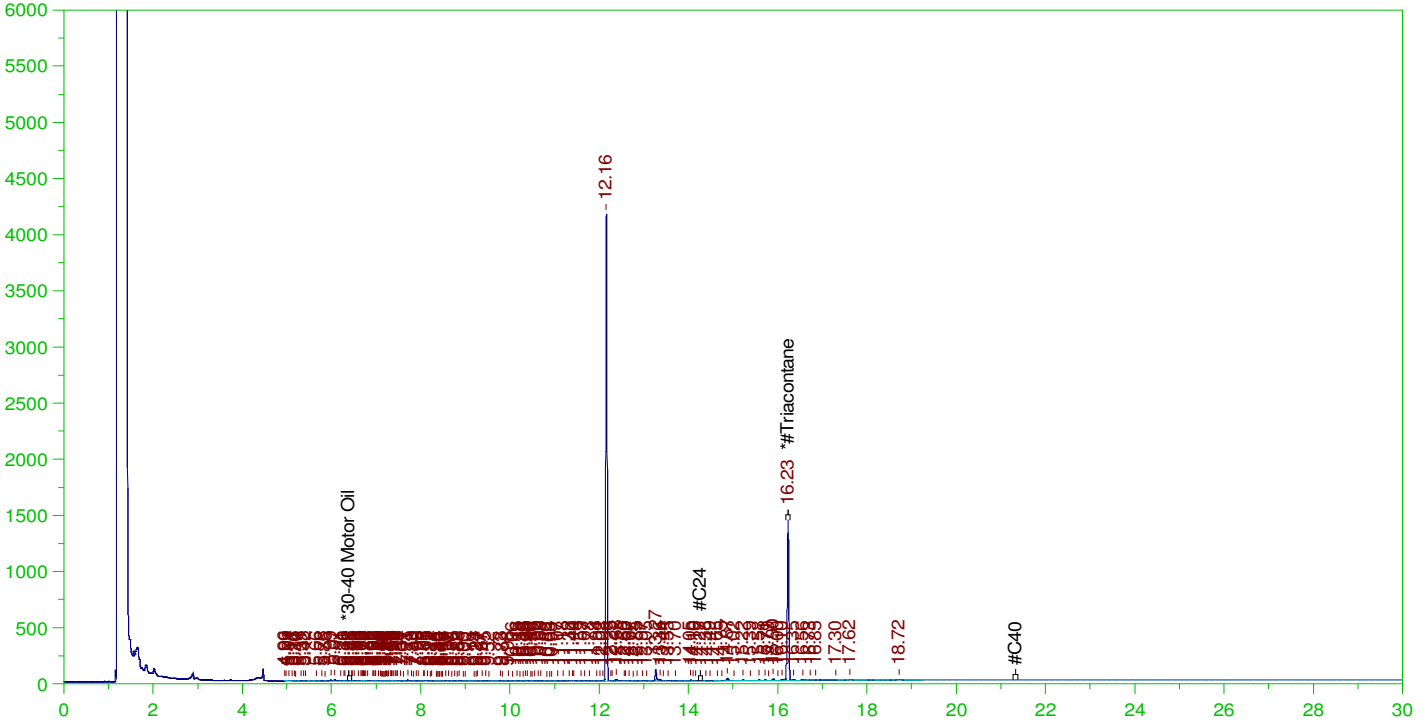
DRO Area:714725.7 DRO Amount: 2.257024E-02  
TEH Area:1093069 TEH Amount: 3.451791E-02

ERH2297 (RHMW15 zone5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0010.RAW

B22010096-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010096-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0010.RAW  
Date & Time Acquired: 1/6/2022 2:16:04 PM  
Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1010 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.228 | .495   | .123     | 24.81 |

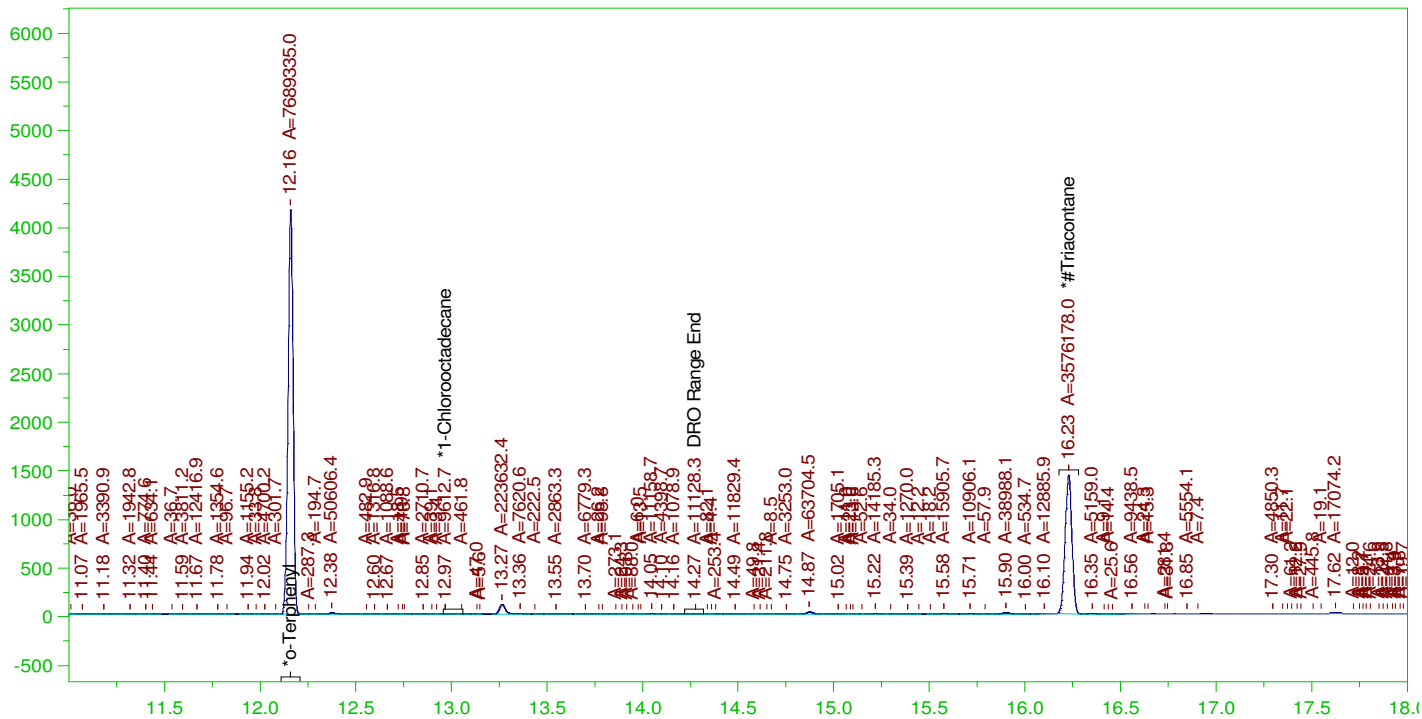
RRO Area:264894.6 RRO AMOUNT: 9.188848E-03

ERH2297 (RHMW15 zone5)

Batch ID: 162703

G:\Org\HP5\DAT\HP5010622\_b\0106HP5.0010.RAW

B22010096-001D ; 0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010096-001D ; 0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\Org\HP5\DAT\HP5010622\_b\0106HP5.0010.RAW  
Date & Time Acquired: 1/6/2022 2:16:04 PM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1010 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.16  | .198   | .214     | 108.27 | - |
| *1-Chlorooctadecane | 12.969 | .198   | .        | .14    | - |
| *#Triacontane       | 16.228 | .198   | .122     | 61.81  | - |

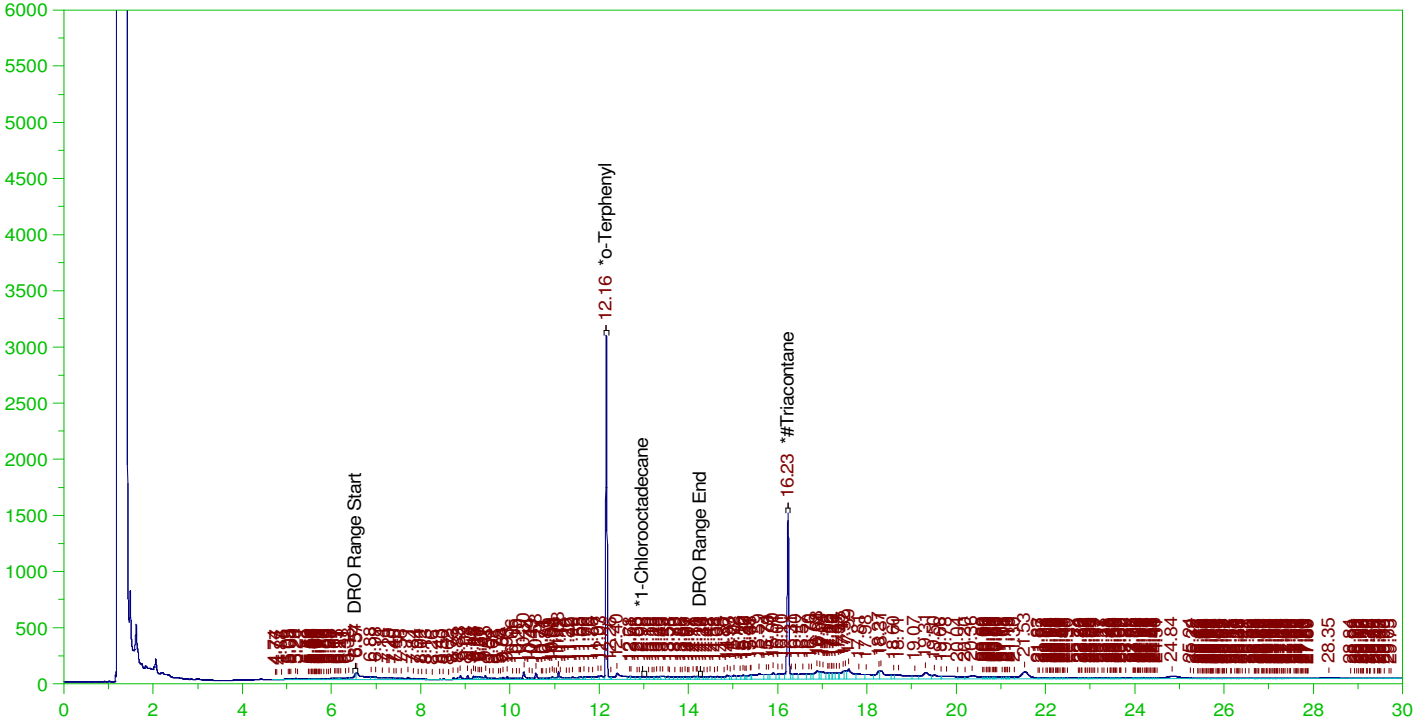
DRO Area: 611576.9 DRO Amount: 1.931292E-02  
TEH Area: 1655909 TEH Amount: 5.229177E-02

ERH2315 (RHMW08)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0011.RAW

B22010120-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010120-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0011.RAW  
Date & Time Acquired: 1/6/2022 2:59:14 PM  
Method File: G:\Org\HP5\Methods\DR\_8015-010611-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.159 | .2     | .164     | 81.78 | - |
| *1-Chlorooctadecane | 12.977 | .2     | .005     | 2.52  | - |
| *#Triacontane       | 16.226 | .2     | .137     | 68.55 | - |

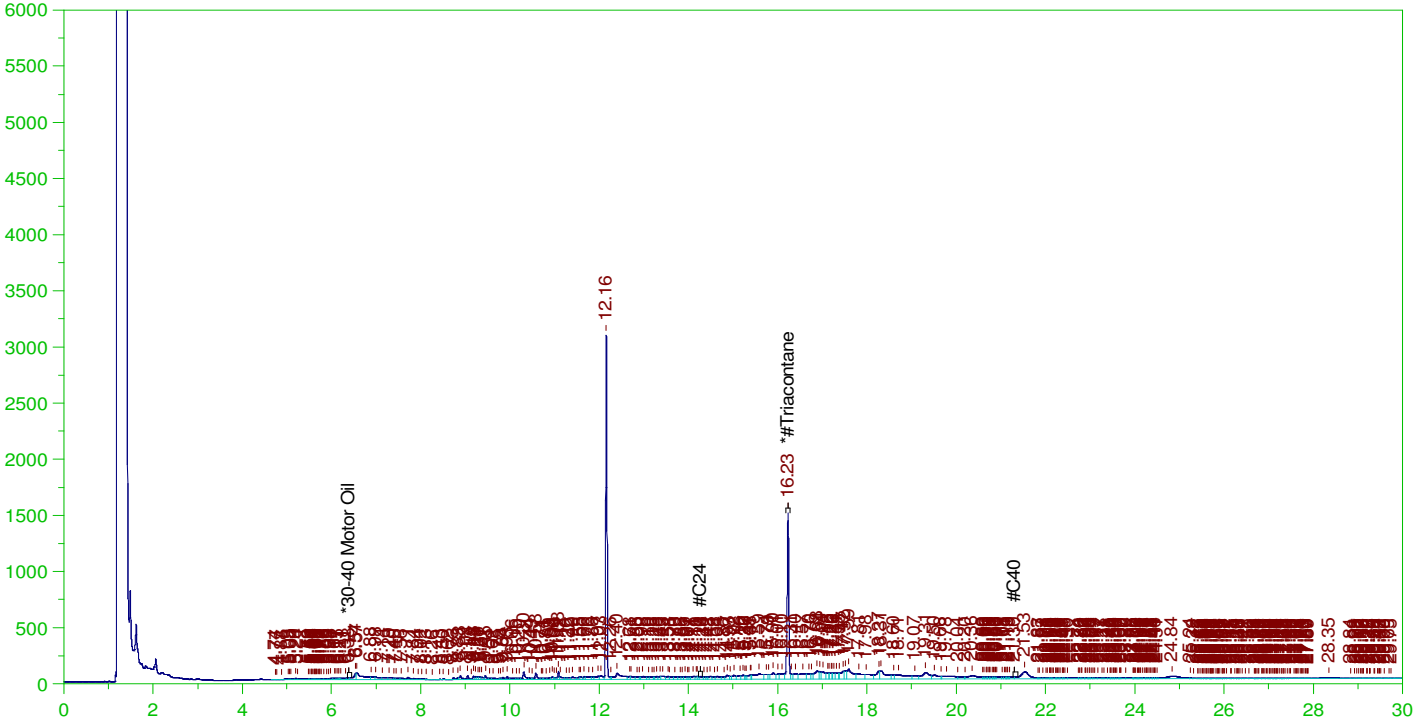
DRO Area:7993996 DRO Amount: 0.2549659  
TEH Area:2.703859E+07 TEH Amount: 0.8623871

ERH2315 (RHMW08)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0011.RAW

Batch ID: 162703

B22010120-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010120-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0011.RAW  
Date & Time Acquired: 1/6/2022 2:59:14 PM  
Method File: G:\Org\HP5\Methods\DR\_OROS-010611-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.226 | .5     | .137     | 27.42 |

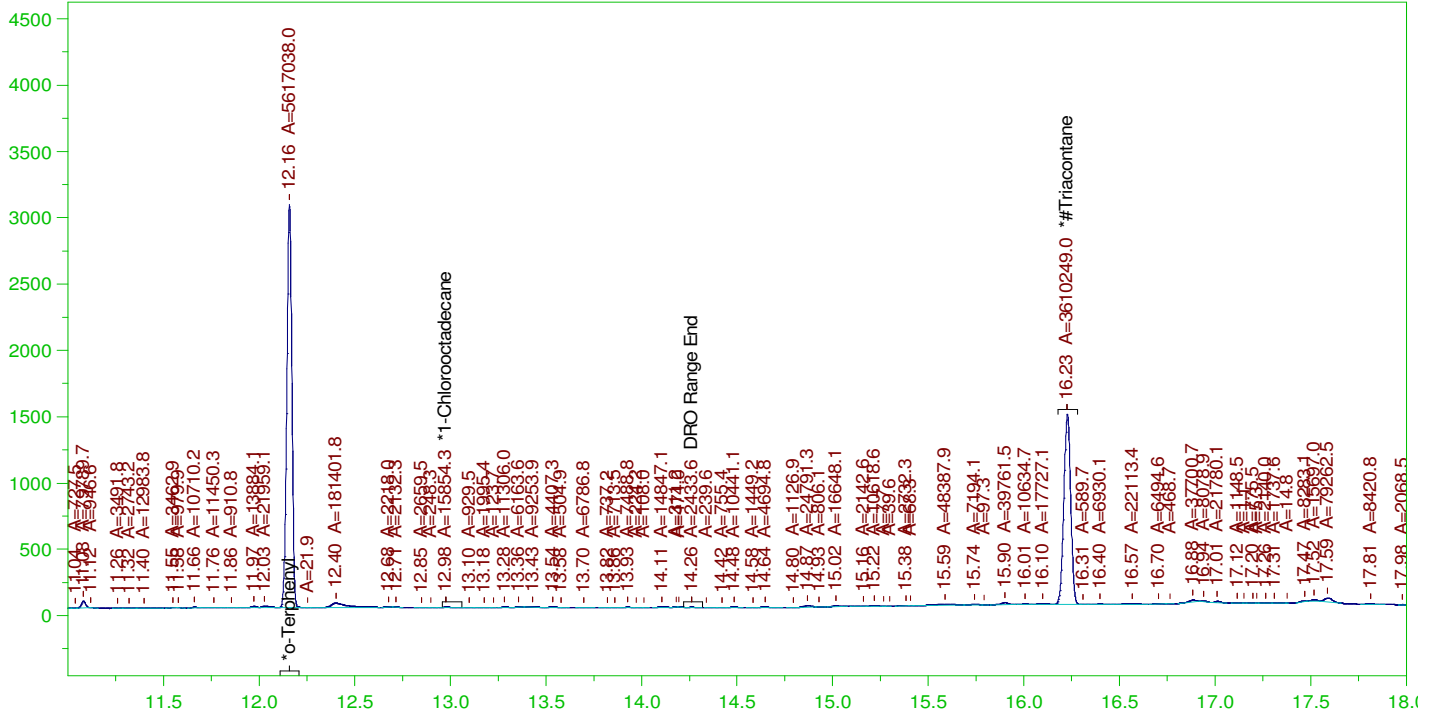
RRO Area:1.448902E+07 RRO AMOUNT: 0.5076314

ERH2315 (RHMW08)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0011.RAW

B22010120-001D ; 0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010120-001D ; 0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0011.RAW  
Date & Time Acquired: 1/6/2022 2:59:14 PM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

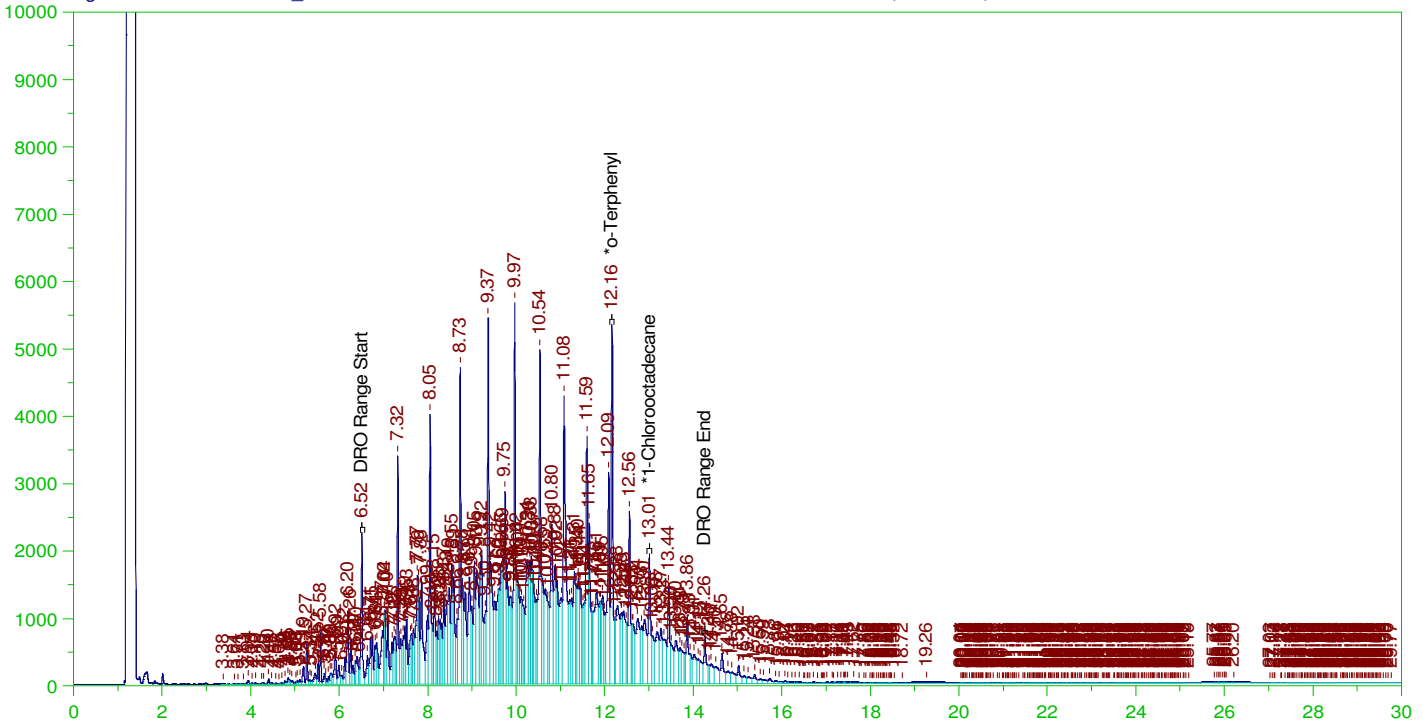
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.159 | .2     | .158     | 79.09 |
| *1-Chlorooctadecane | 12.977 | .2     | .22      | -     |
| *#Triacontane       | 16.226 | .2     | .125     | 62.4  |

DRO Area: 3672727 DRO Amount: 0.1171404  
TEH Area: 6999897 TEH Amount: 0.2232595

Batch ID: 162703

B22010096-001DMS ;0106HP5 ,

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0012.RAW



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010096-001DMS ;0106HP5 ,  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0012.RAW  
 Date & Time Acquired: 1/6/2022 3:42:14 PM  
 Method File: G:\Org\HP5\Methods\D3\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.163 | .194   | .389     | 200.34 | - |
| *1-Chlorooctadecane | 13.01  | .194   | .186     | 95.81  | - |

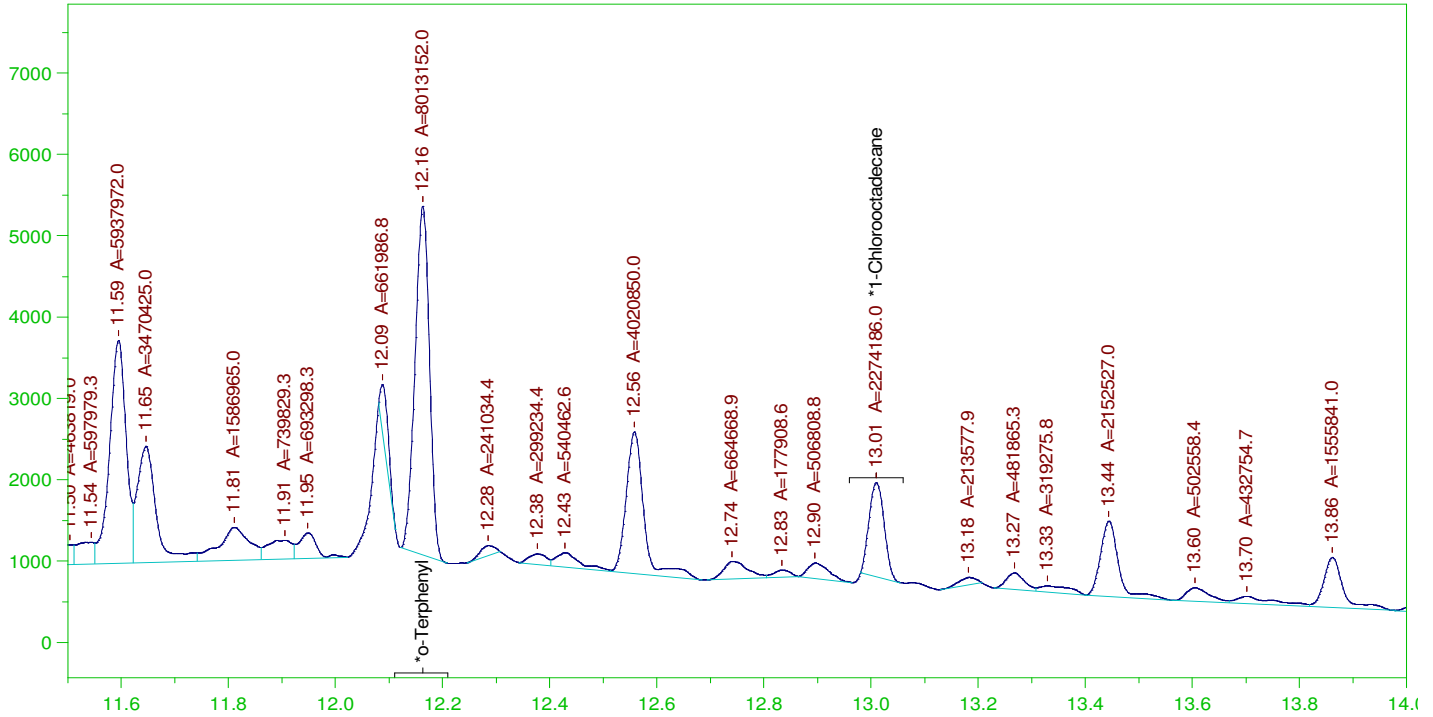
DRO Area: 5.180513E+08 DRO Amount: 16.04183  
 TEH Area: 5.576945E+08 TEH Amount: 17.26941



Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0012.RAW

B22010096-001DMS ;0106HP5 ,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

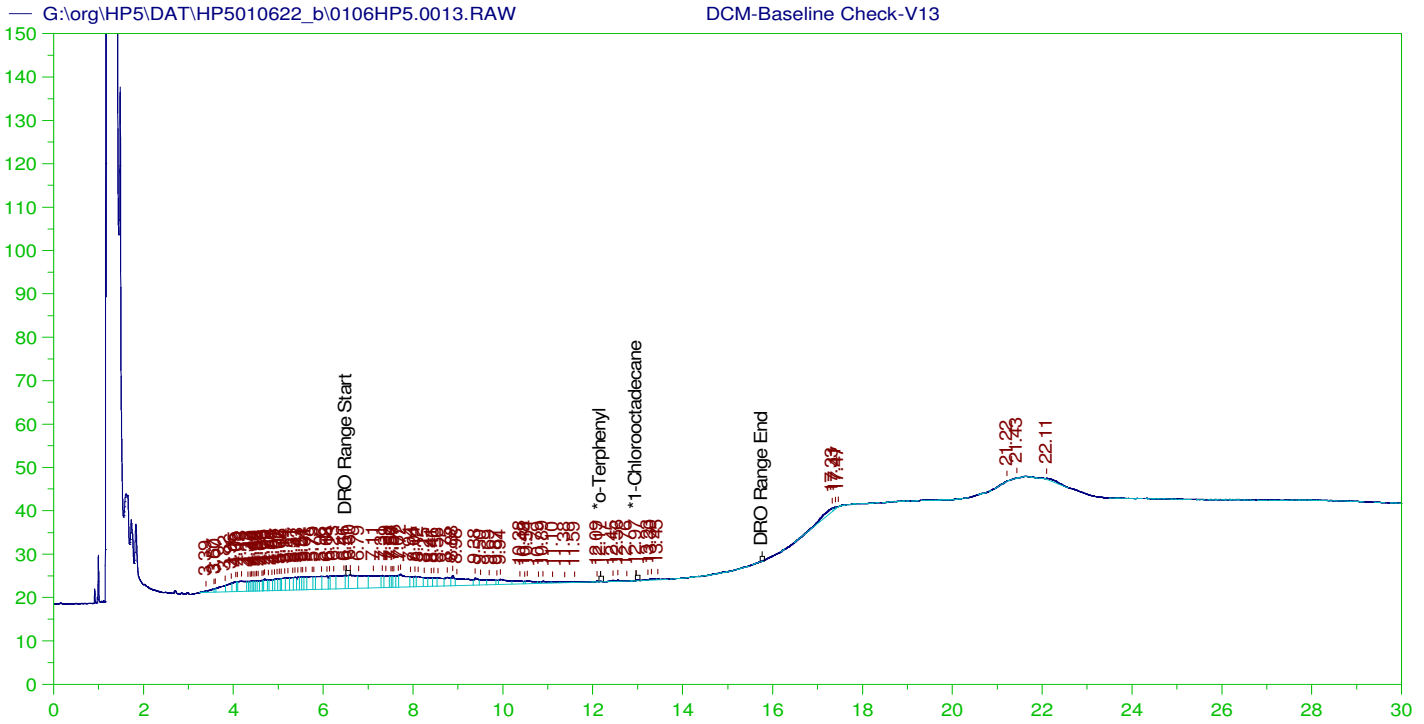
Sample Name: B22010096-001DMS ;0106HP5 ,  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0012.RAW  
 Date & Time Acquired: 1/6/2022 3:42:14 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.163 | .194   | .219     | 112.83 |
| *1-Chlorooctadecane | 13.01  | .194   | .062     | 32.02  |

DRO Area: 2.535072E+08 DRO Amount: 7.85003  
 TEH Area: 2.706487E+08 TEH Amount: 8.38083



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V13  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0013.RAW  
 Date & Time Acquired: 1/6/2022 4:25:39 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.166 | 200.   | .017     | .01  | - |
| *1-Chlorooctadecane | 12.966 | 200.   | .023     | .01  | - |

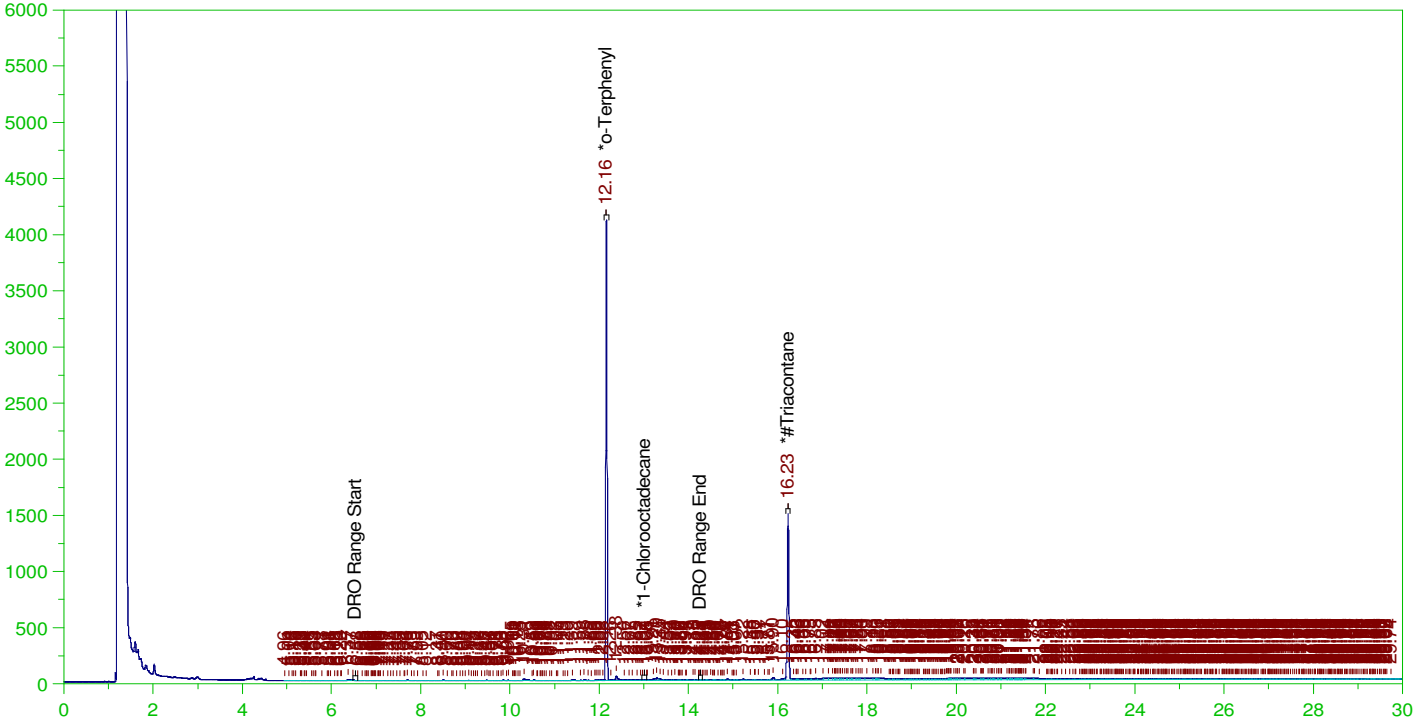
DRO Area:505317.8 DRO Amount: 16.11695  
 TEH Area:1003452 TEH Amount: 32.0048

ERH2299 (OWDFMW04A)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0014.RAW

Batch ID: 162703

B22010143-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010143-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0014.RAW  
Date & Time Acquired: 1/6/2022 5:10:38 PM  
Method File: G:\Org\HP5\Methods\D3\_8015-C24T-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.16  | .19    | .203     | 106.42 | - |
| *1-Chlorooctadecane | 13.007 | .19    | .        | .13    | - |
| *#Triacontane       | 16.228 | .19    | .126     | 66.31  | - |

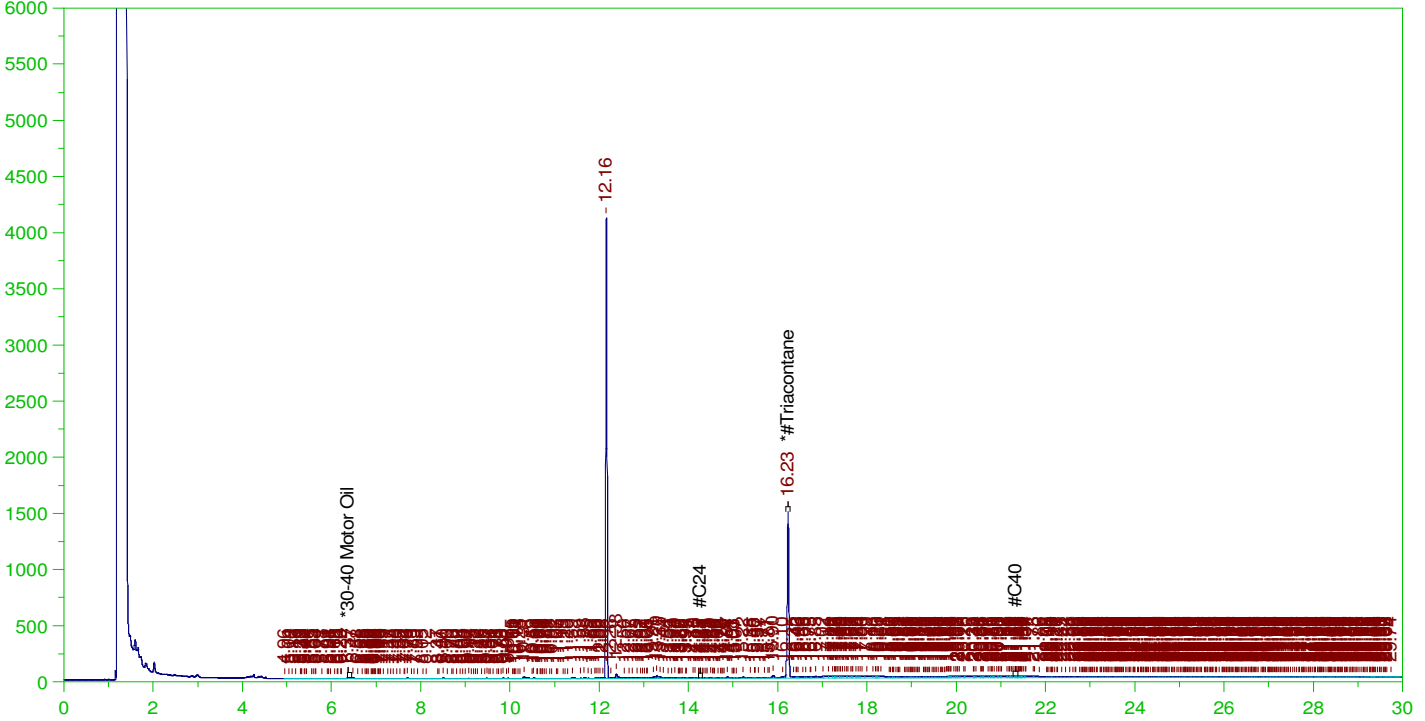
DRO Area:1134597 DRO Amount: 3.446438E-02  
TEH Area:8449801 TEH Amount: 0.2566702

ERH2299 (OWDFMW04A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0014.RAW

B22010143-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010143-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0014.RAW  
Date & Time Acquired: 1/6/2022 5:10:38 PM  
Method File: G:\Org\HP5\Methods\D3\_OROS-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.228 | .476   | .126     | 26.52 |

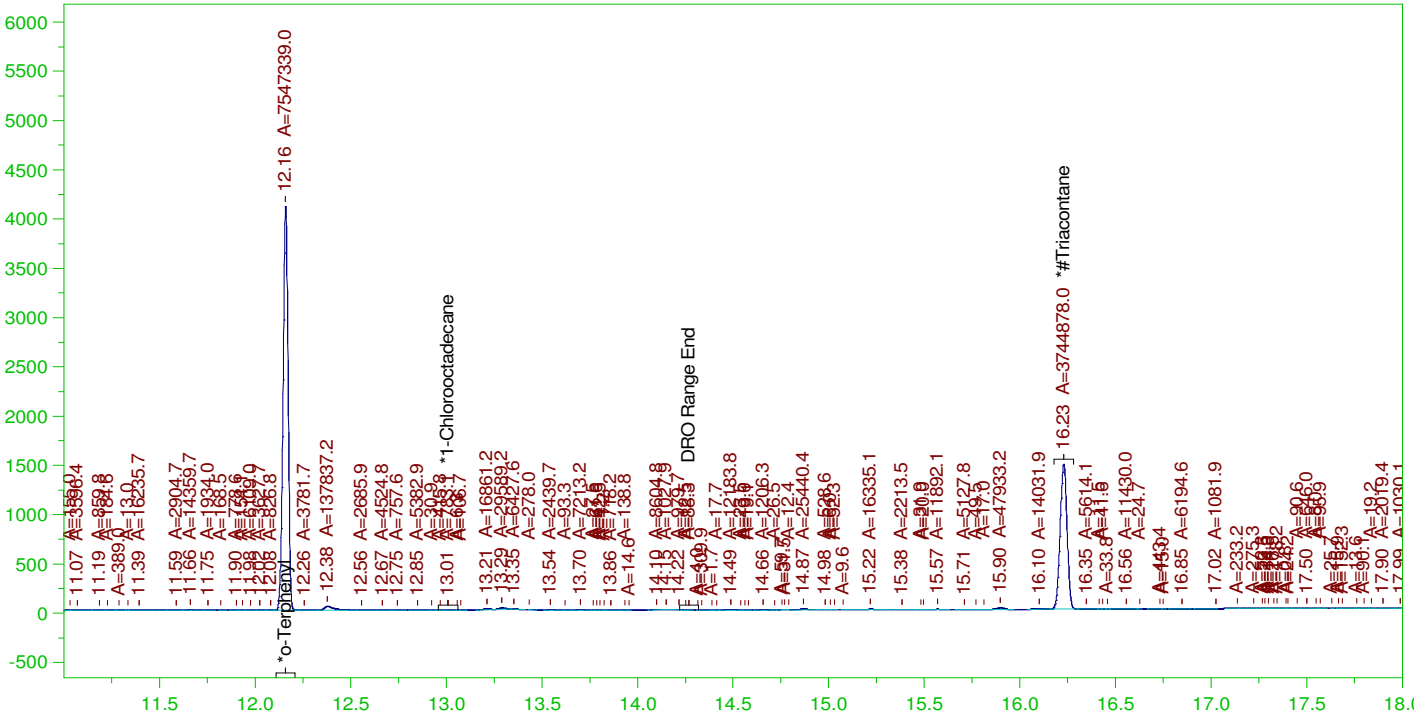
RRO Area:4821862 RRO AMOUNT: 0.1608921

ERH2299 (OWDFMW04A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0014.RAW

B22010143-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010143-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0014.RAW  
Date & Time Acquired: 1/6/2022 5:10:38 PM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.16  | .19    | .202     | 106.27 | - |
| *1-Chlorooctadecane | 13.007 | .19    | .        | .01    | - |
| *#Triacontane       | 16.228 | .19    | .123     | 64.72  | - |

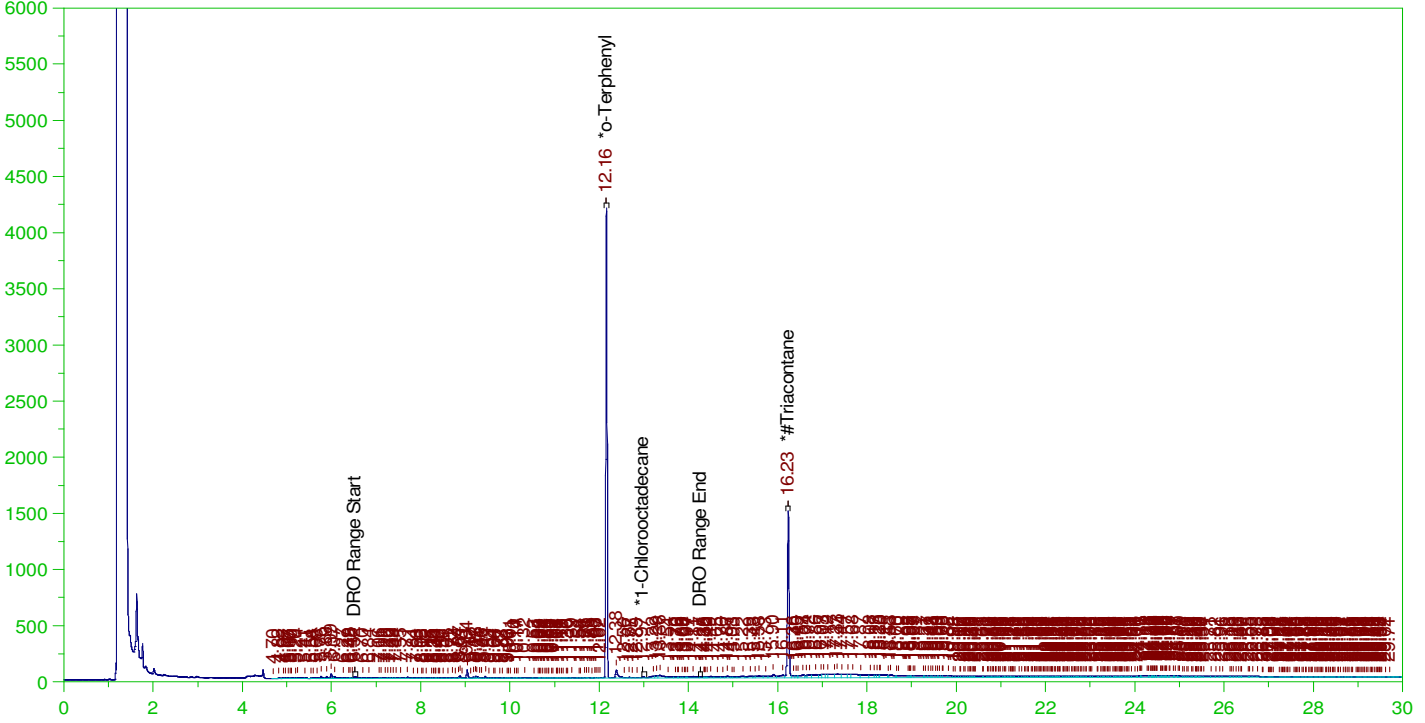
DRO Area:607905.9 DRO Amount: 1.846568E-02  
TEH Area:1491551 TEH Amount: 4.530719E-02

ERH2305 (OWDFMW08A)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0015.RAW

Batch ID: 162703

B22010148-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010148-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0015.RAW  
Date & Time Acquired: 1/6/2022 5:53:59 PM  
Method File: G:\Org\HP5\Methods\DR\_8015-010615-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.162 | .192   | .212     | 110.19 | - |
| *1-Chlorooctadecane | 12.973 | .192   | .002     | 1.07   | - |
| *#Triacontane       | 16.231 | .192   | .128     | 66.8   | - |

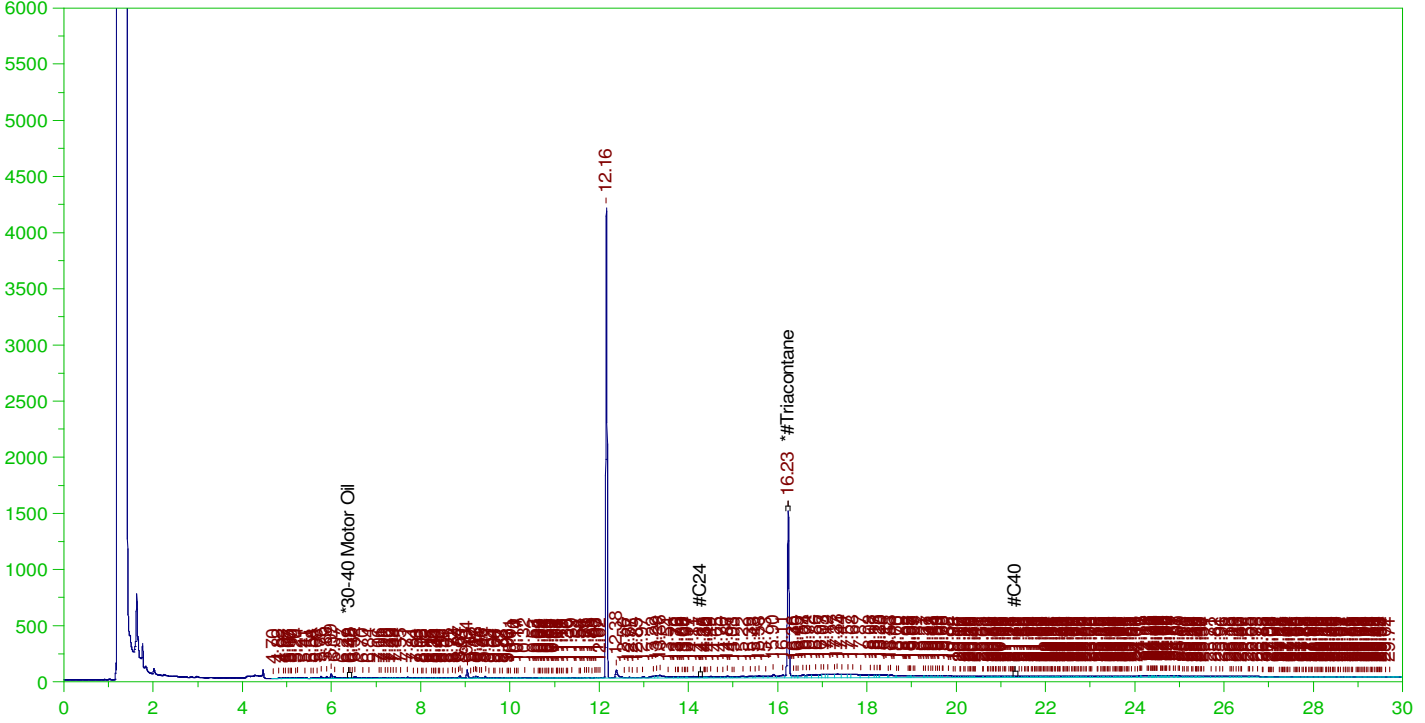
DRO Area:3341707 DRO Amount: 0.1024833  
TEH Area:1.57211E+07 TEH Amount: 0.4836984

ERH2305 (OWDFMW08A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0015.RAW

B22010148-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010148-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0015.RAW  
Date & Time Acquired: 1/6/2022 5:53:59 PM  
Method File: G:\Org\HP5\Methods\DR\_OROS-010615-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.231 | .481   | .128     | 26.72 |

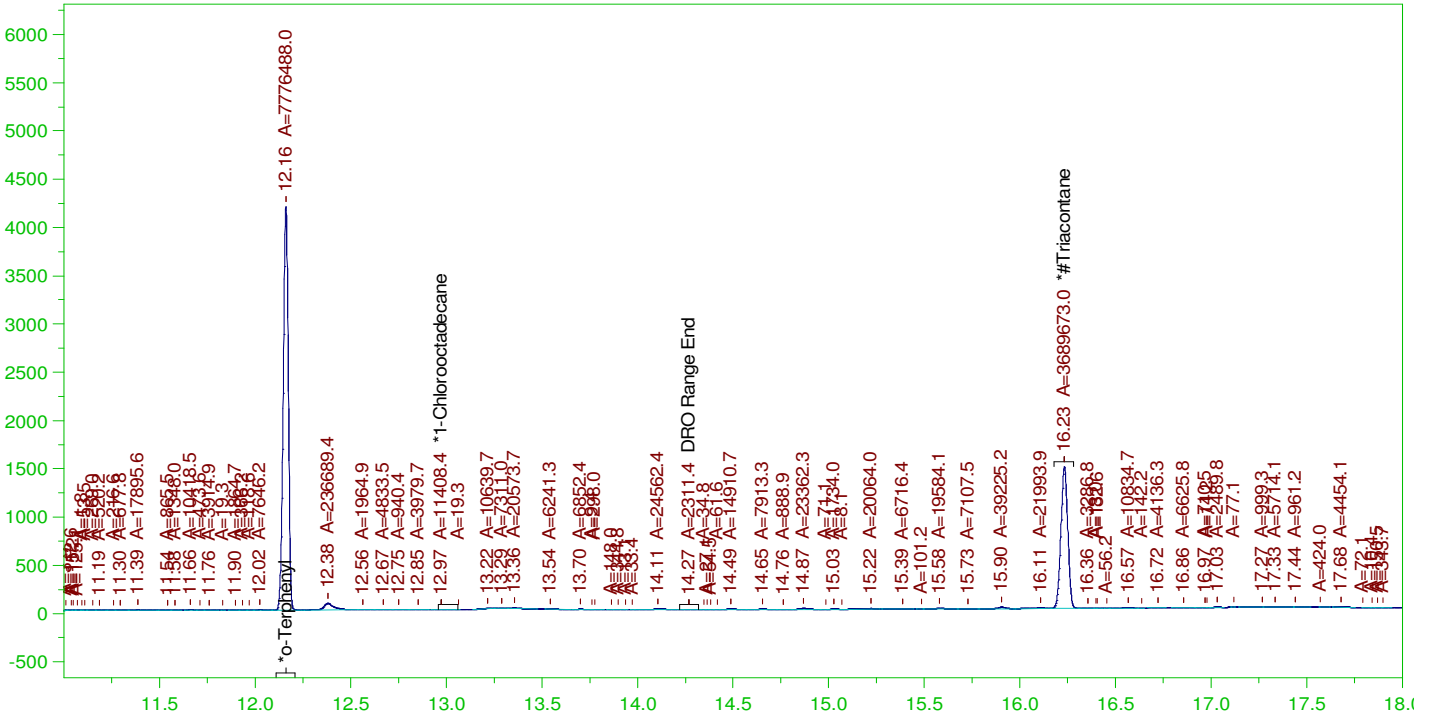
RRO Area:7903455 RRO AMOUNT: 0.2662521

ERH2305 (OWDFMW08A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0015.RAW

B22010148-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010148-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0015.RAW  
Date & Time Acquired: 1/6/2022 5:53:59 PM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.162 | .192   | .211     | 109.5 | - |
| *1-Chlorooctadecane | 12.973 | .192   | .        | .16   | - |
| *#Triacontane       | 16.231 | .192   | .123     | 63.77 | - |

DRO Area:1867877 DRO Amount: 5.728398E-02  
TEH Area:3460544 TEH Amount: 0.1061278

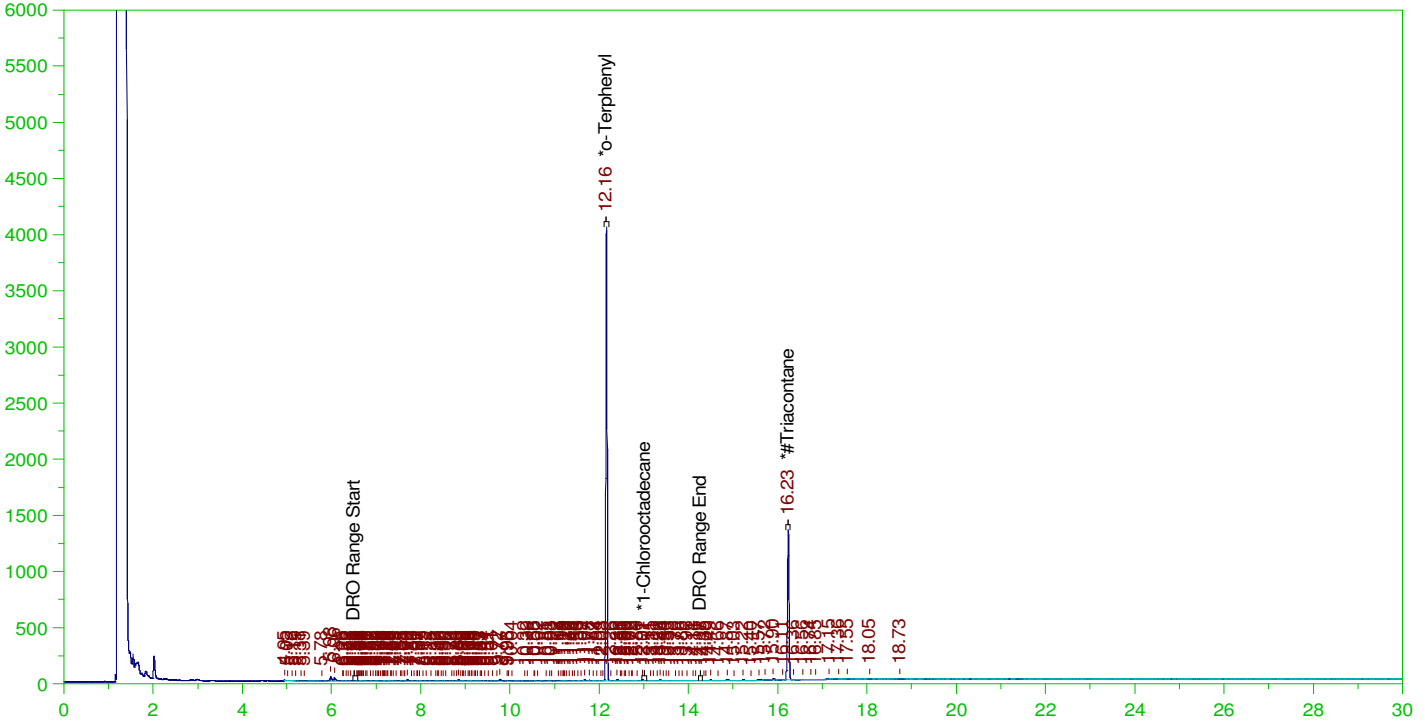


ERH2303 (OWDFMW07A)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0016.RAW

Batch ID: 162703

B22010212-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010212-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0016.RAW  
Date & Time Acquired: 1/6/2022 6:37:18 PM  
Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.161 | .19    | .201     | 105.55 | - |
| *1-Chlorooctadecane | 13.01  | .19    | .        | .07    | - |
| *#Triacontane       | 16.231 | .19    | .112     | 58.61  | - |

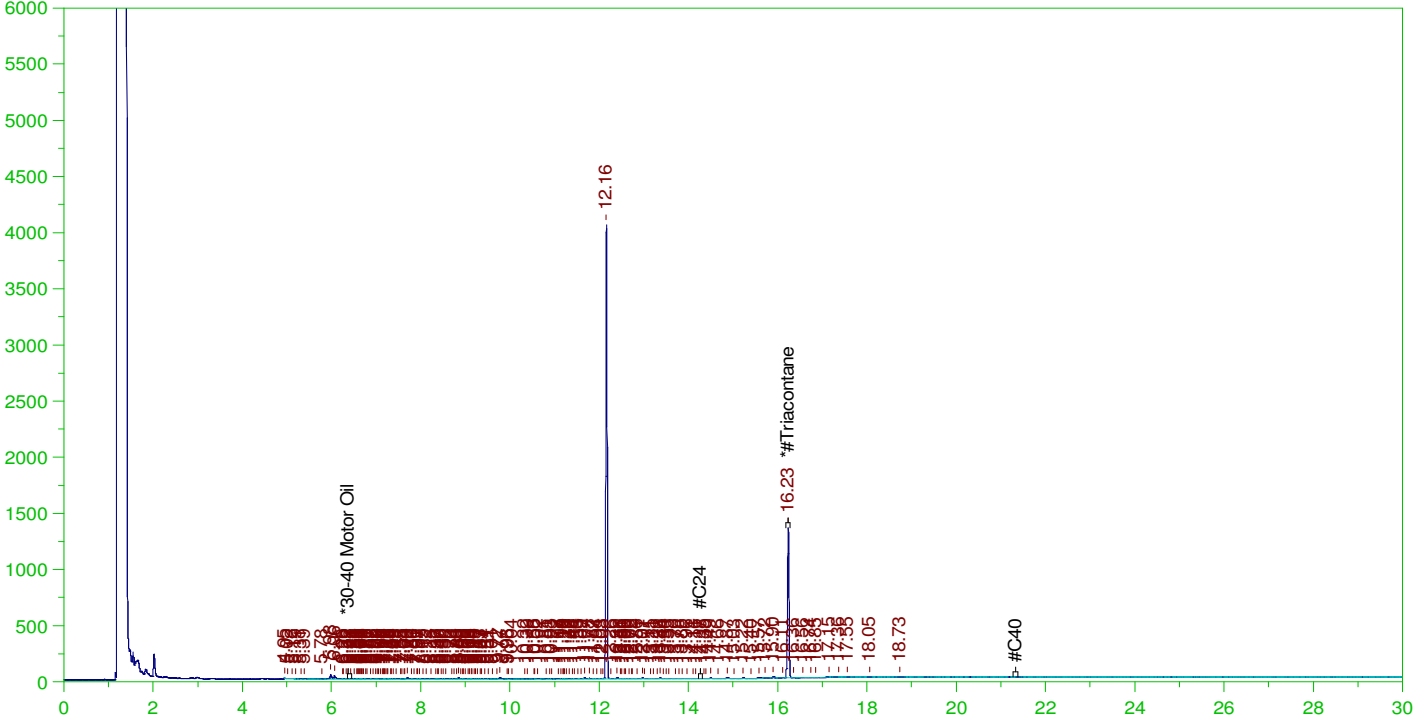
DRO Area:555979.1 DRO Amount: 1.688836E-02  
TEH Area:996550.5 TEH Amount: 0.0302711

ERH2303 (OWDFMW07A)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0016.RAW

Batch ID: 162703

B22010212-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010212-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0016.RAW  
Date & Time Acquired: 1/6/2022 6:37:18 PM  
Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.231 | .476   | .112     | 23.45 |

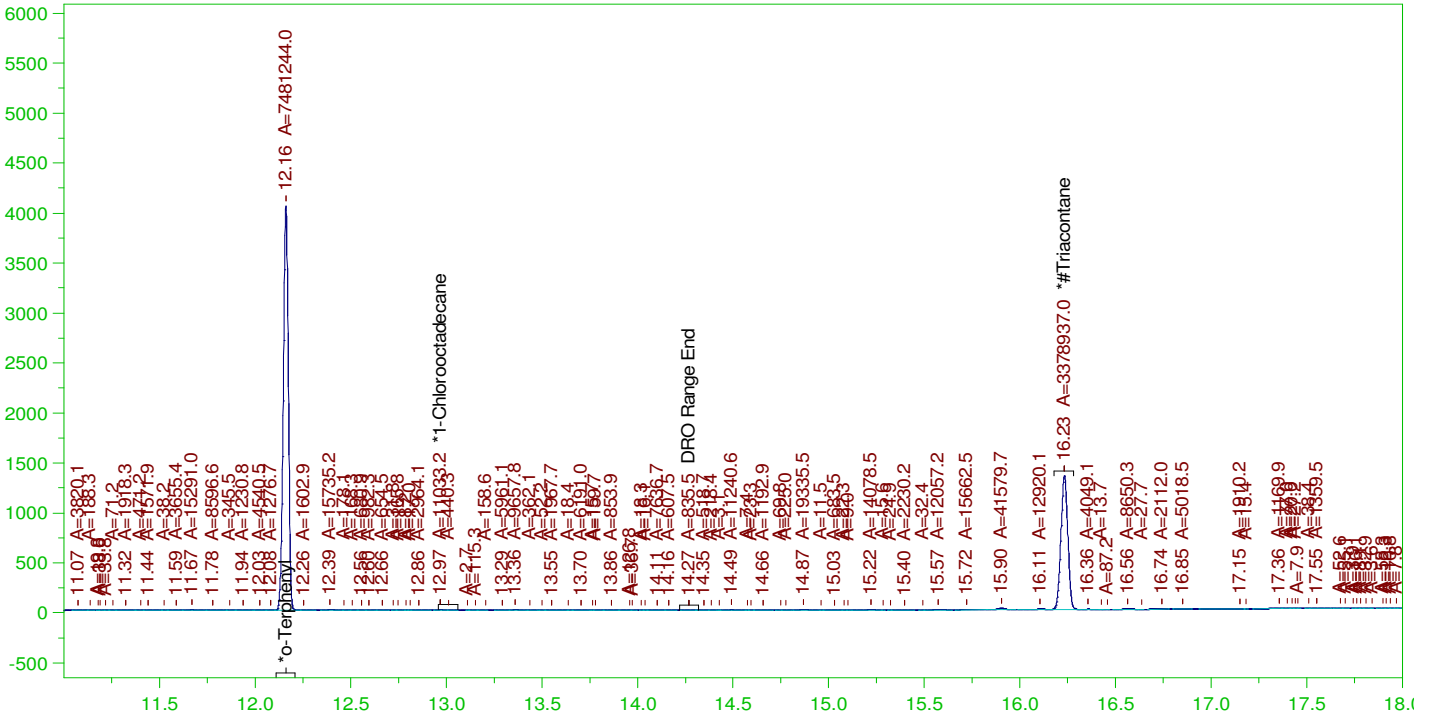
RRO Area:181490.7 RRO AMOUNT: 6.05584E-03

ERH2303 (OWDFMW07A)

Batch ID: 162703

G:\Org\HP5\DAT\HP5010622\_b\0106HP5.0016.RAW

B22010212-001D ; 0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

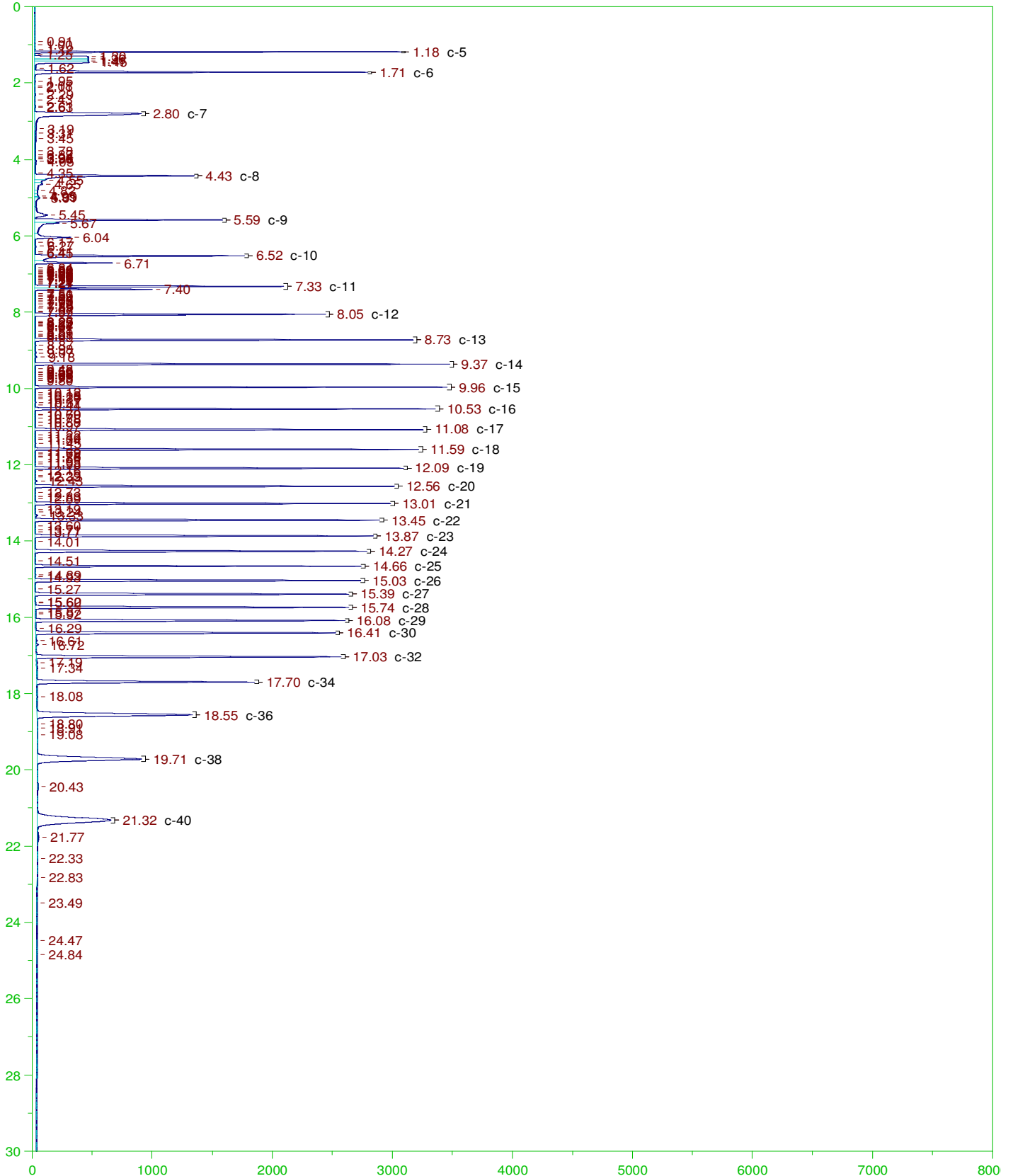
Sample Name: B22010212-001D ; 0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\Org\HP5\DAT\HP5010622\_b\0106HP5.0016.RAW  
Date & Time Acquired: 1/6/2022 6:37:18 PM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1050 Dilution: 1 S.A.: 1

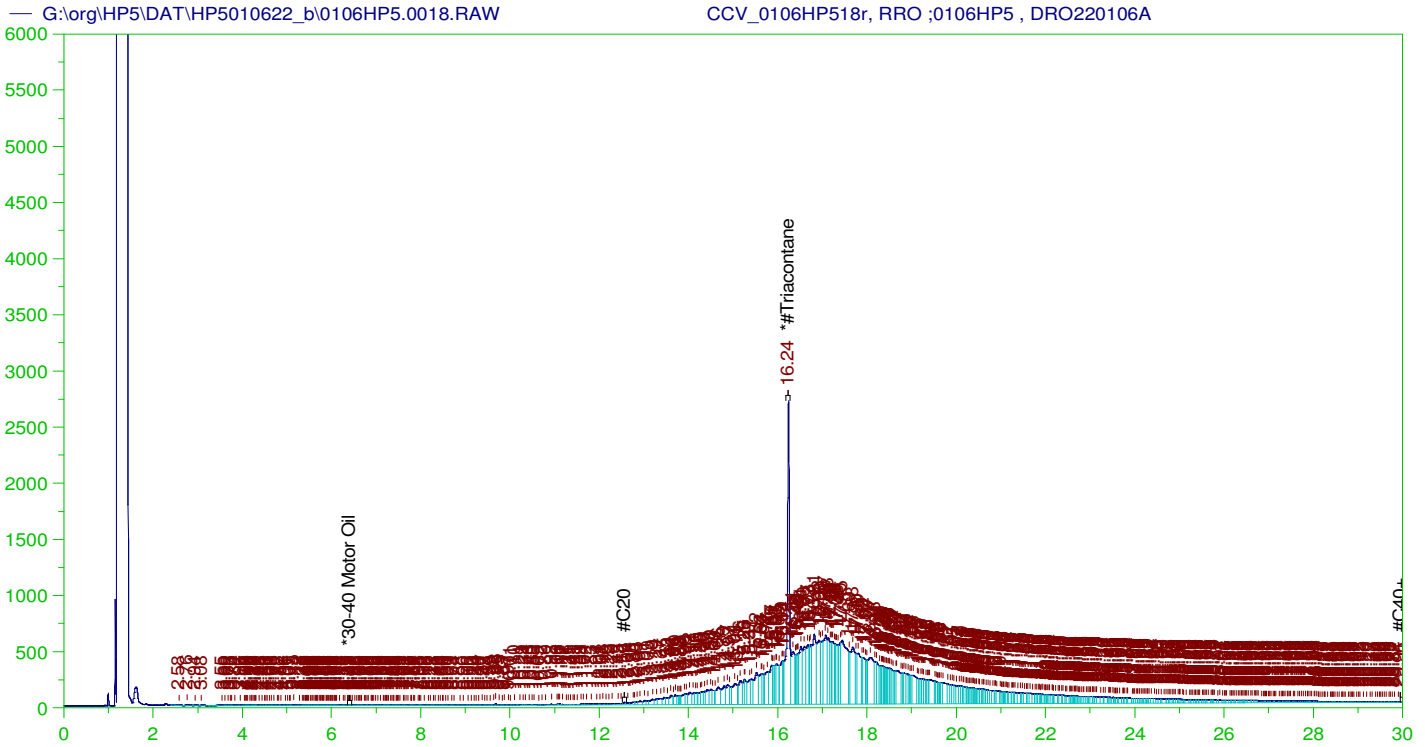
Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.161 | .19    | .201     | 105.34 | - |
| *1-Chlorooctadecane | 12.971 | .19    | .        | .16    | - |
| *#Triacontane       | 16.231 | .19    | .111     | 58.4   | - |

DRO Area: 479471.5 DRO Amount: 1.456437E-02  
TEH Area: 1132421 TEH Amount: 3.439829E-02





**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP518r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0018.RAW  
 Date & Time Acquired: 1/6/2022 8:03:53 PM  
 Method File: G:\Org\HP5\Methods\DC\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.238 | 500.   | 336.853  | 67.37 | - |

~~RRO~~ TEH (Oil Range) Area:1.388852E+08 ~~RRO~~ TEH (Oil Range) AMOUNT: 4865.923

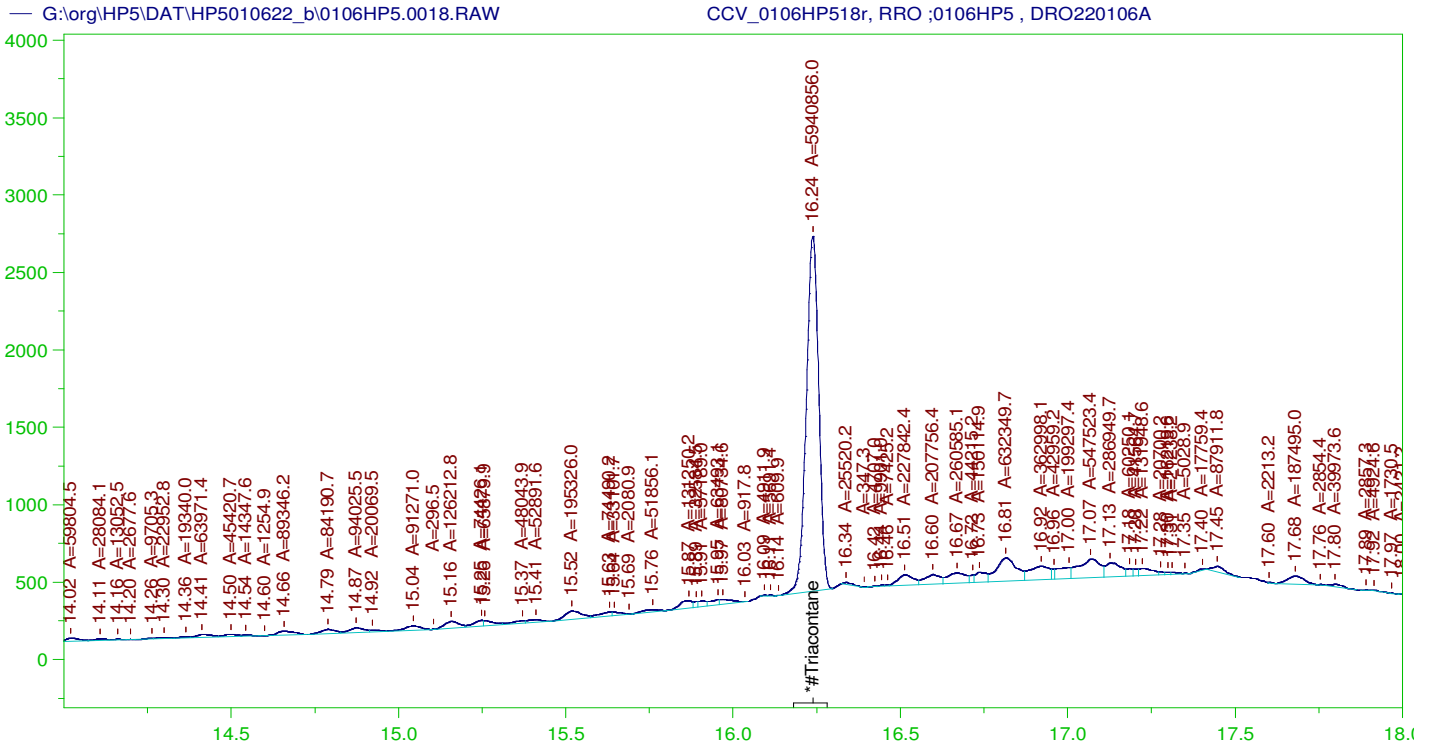
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0018.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .05           | .         | 75-125 |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.238 | 200.   | 336.853  | 168.43 | 75-125 |

AMN 01/31/2022



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP518r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0018.RAW  
 Date & Time Acquired: 1/6/2022 8:03:53 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.238 | 500.   | 205.352  | 41.07 | - |

RRO Area:6266565 RRO AMOUNT: 219.5528

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0018.RAW

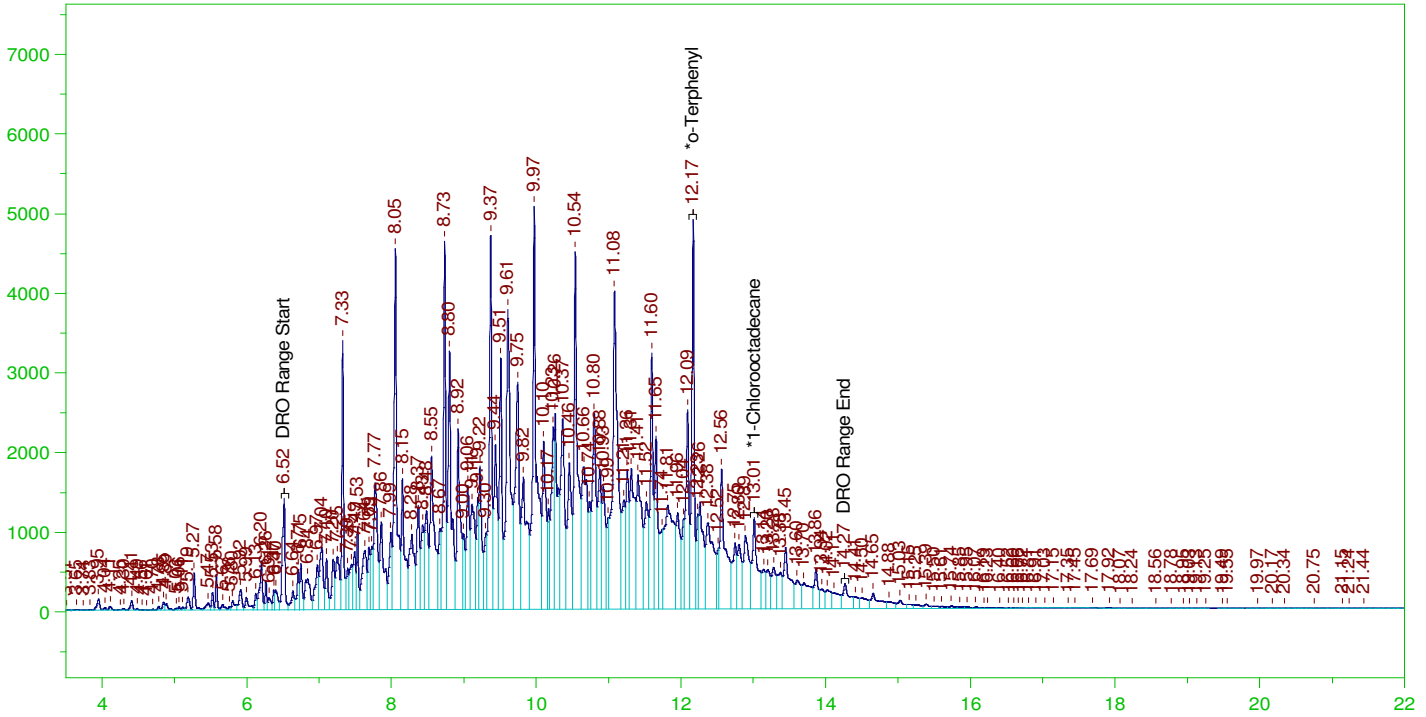
| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .05           | .         | 75-125 |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.238 | 200.   | 205.352  | 102.68 | 75-125 |

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0019.RAW

CCV\_0106HP519r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP519r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0019.RAW  
 Date & Time Acquired: 1/6/2022 8:47:05 PM  
 Method File: G:\Org\HP5\Methods\DC\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.167 | 200.   | 331.893  | 165.95 |
| *1-Chlorooctadecane | 13.013 | 200.   | 165.038  | 82.52  |

DRO Area: 4.804415E+08 DRO Amount: 15323.53  
 TEH Area: 4.976311E+08 TEH Amount: 15871.78

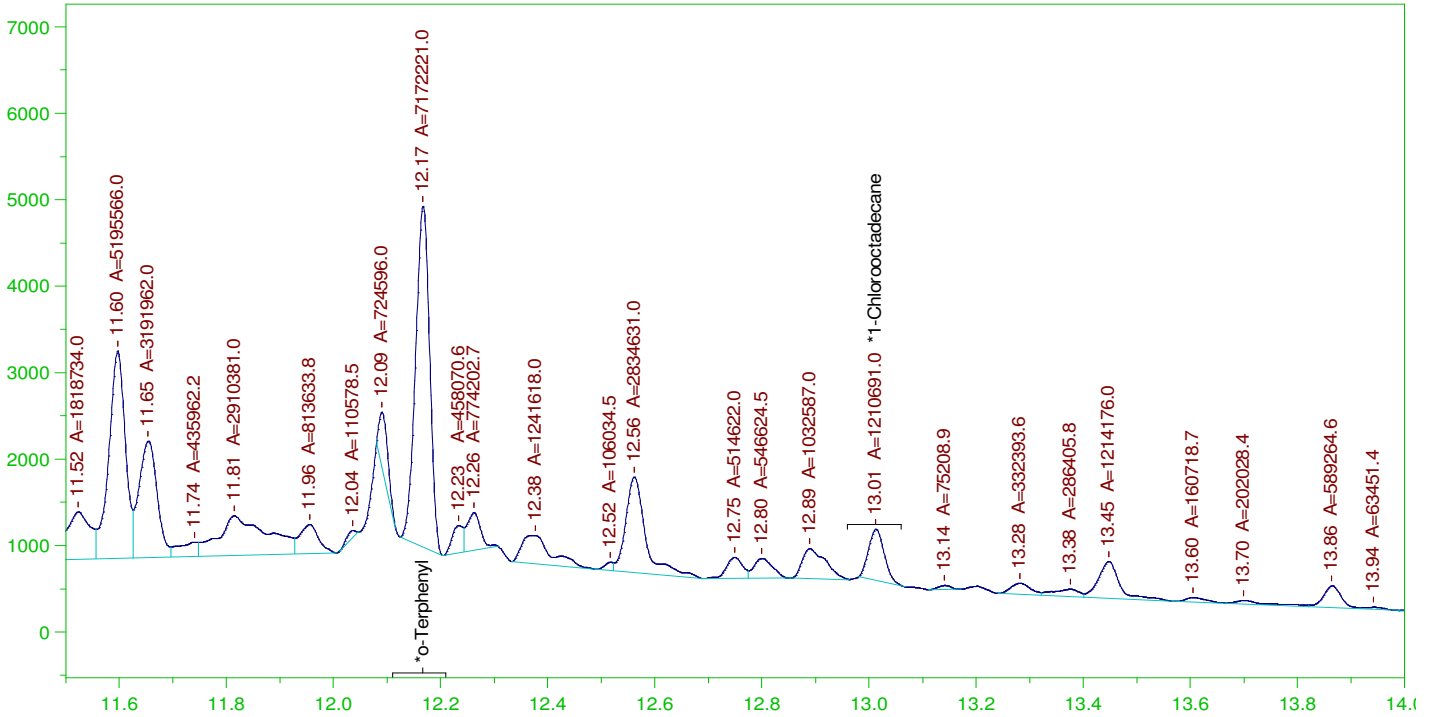
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0019.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 15871.78      | 105.81    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.167 | 200.   | 331.893  | 165.95 | 85-115 |
| *1-Chlorooctadecane | 13.013 | 200.   | 165.038  | 82.52  | 85-115 |

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0019.RAW

CCV\_0106HP519r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP519r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0019.RAW  
 Date & Time Acquired: 1/6/2022 8:47:05 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.167 | 200.   | 201.982  | 100.99 |
| *1-Chlorooctadecane | 13.013 | 200.   | 34.095   | 17.05  |

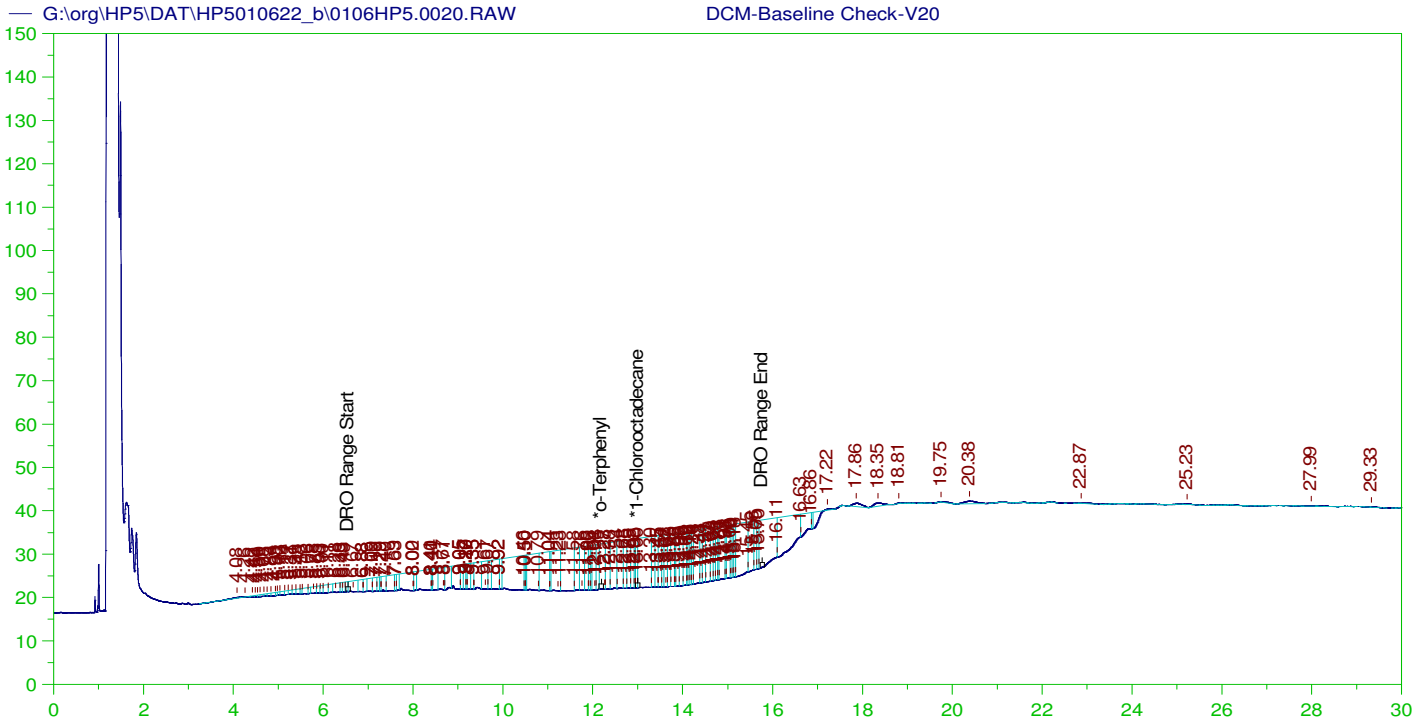
DRO Area: 2.667776E+08 DRO Amount: 8508.787  
 TEH Area: 2.774924E+08 TEH Amount: 8850.532

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0019.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 8850.53       | 59.       | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.167 | 200.   | 201.982  | 100.99 | 85-115 |
| *1-Chlorooctadecane | 13.013 | 200.   | 34.095   | 17.05  | 85-115 |





**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V20  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0020.RAW  
 Date & Time Acquired: 1/6/2022 9:30:30 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 29.961 | 200.   | .        | -    |
| *1-Chlorooctadecane | 13.003 | 200.   | 5.782    | 2.89 |

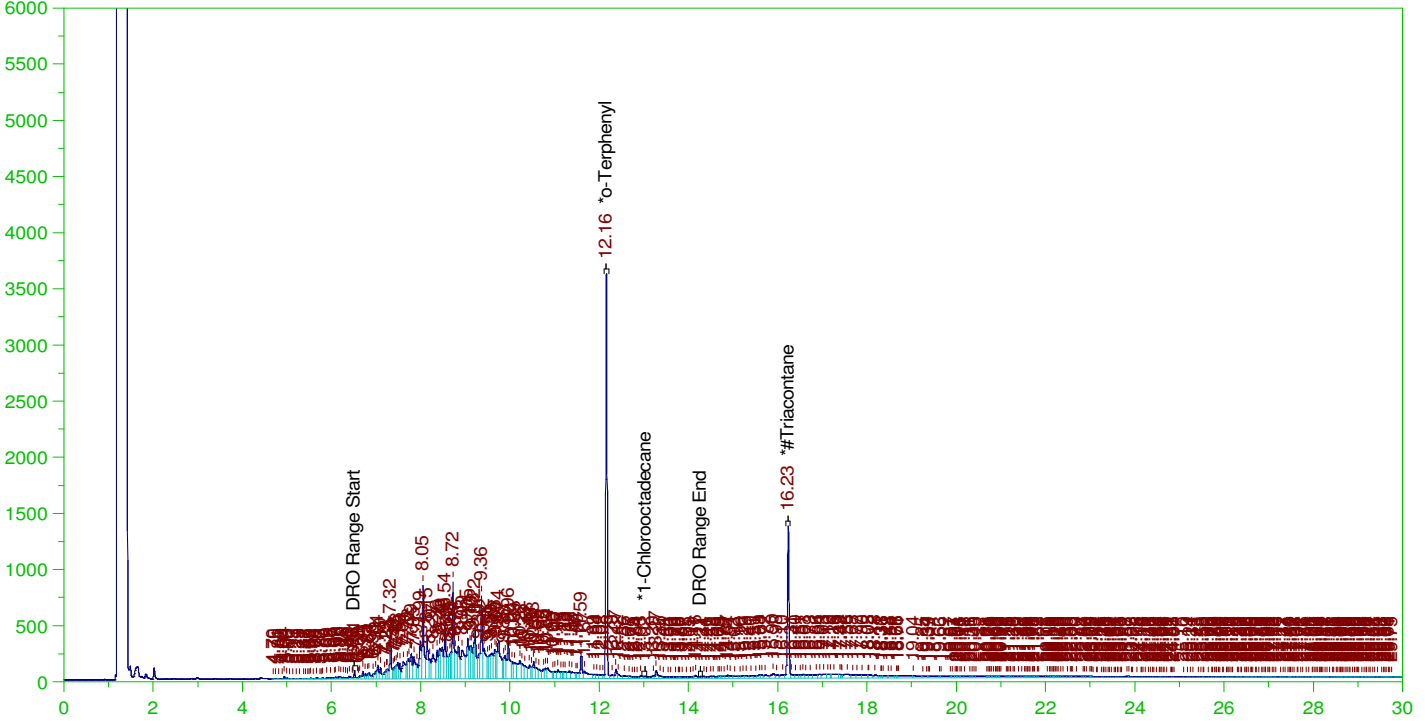
DRO Area: 4633478 DRO Amount: 147.7833  
 TEH Area: 5123727 TEH Amount: 163.4196

ERH2333 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0021.RAW

B22010213-002B ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010213-002B ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0021.RAW  
Date & Time Acquired: 1/6/2022 10:13:54 PM  
Method File: G:\Org\HP5\Methods\D3\_8015-010621-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.16  | .2     | .192     | 96.18 | - |
| *1-Chlorooctadecane | 13.024 | .2     | .003     | 1.64  | - |
| *#Triacontane       | 16.231 | .2     | .122     | 61.12 | - |

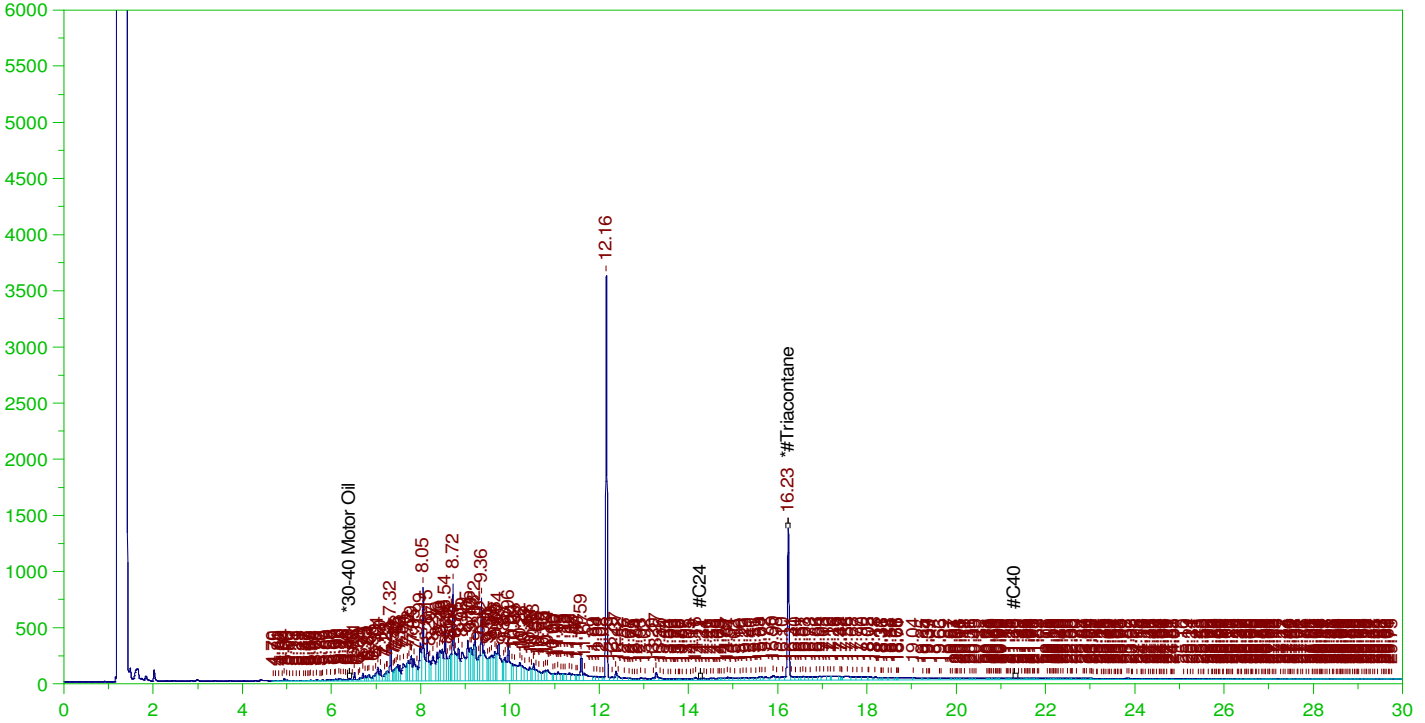
DRO Area: 5.096619E+07 DRO Amount: 1.62555  
TEH Area: 6.253207E+07 TEH Amount: 1.99444

ERH2333 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0021.RAW

B22010213-002B ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010213-002B ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0021.RAW  
Date & Time Acquired: 1/6/2022 10:13:54 PM  
Method File: G:\Org\HP5\Methods\DR\_OROS-010621-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.231 | .5     | .122     | 24.45 |

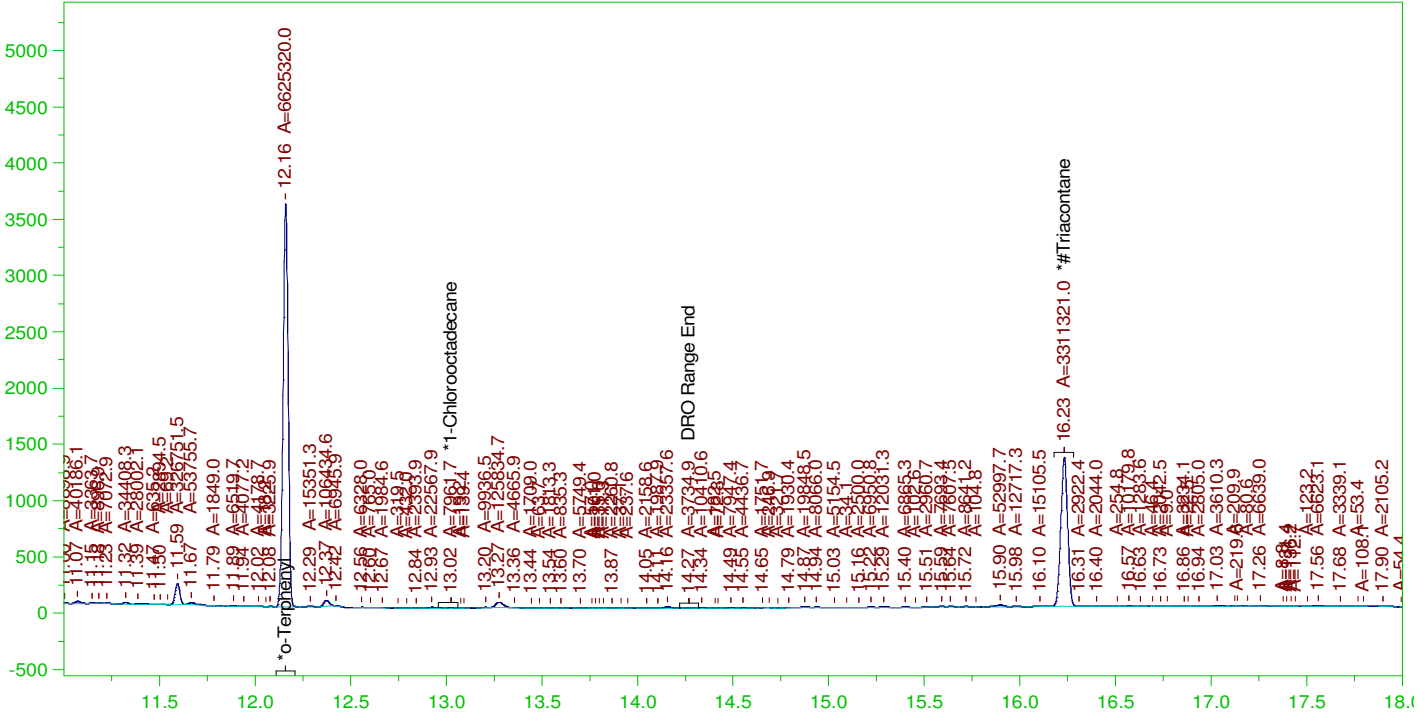
RRO Area:8413529 RRO AMOUNT: 0.2947729

ERH2333 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0021.RAW

B22010213-002B ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010213-002B ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0021.RAW  
Date & Time Acquired: 1/6/2022 10:13:54 PM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.16  | .2     | .187     | 93.29 | - |
| *1-Chlorooctadecane | 13.024 | .2     | .        | .11   | - |
| *#Triacontane       | 16.231 | .2     | .114     | 57.23 | - |

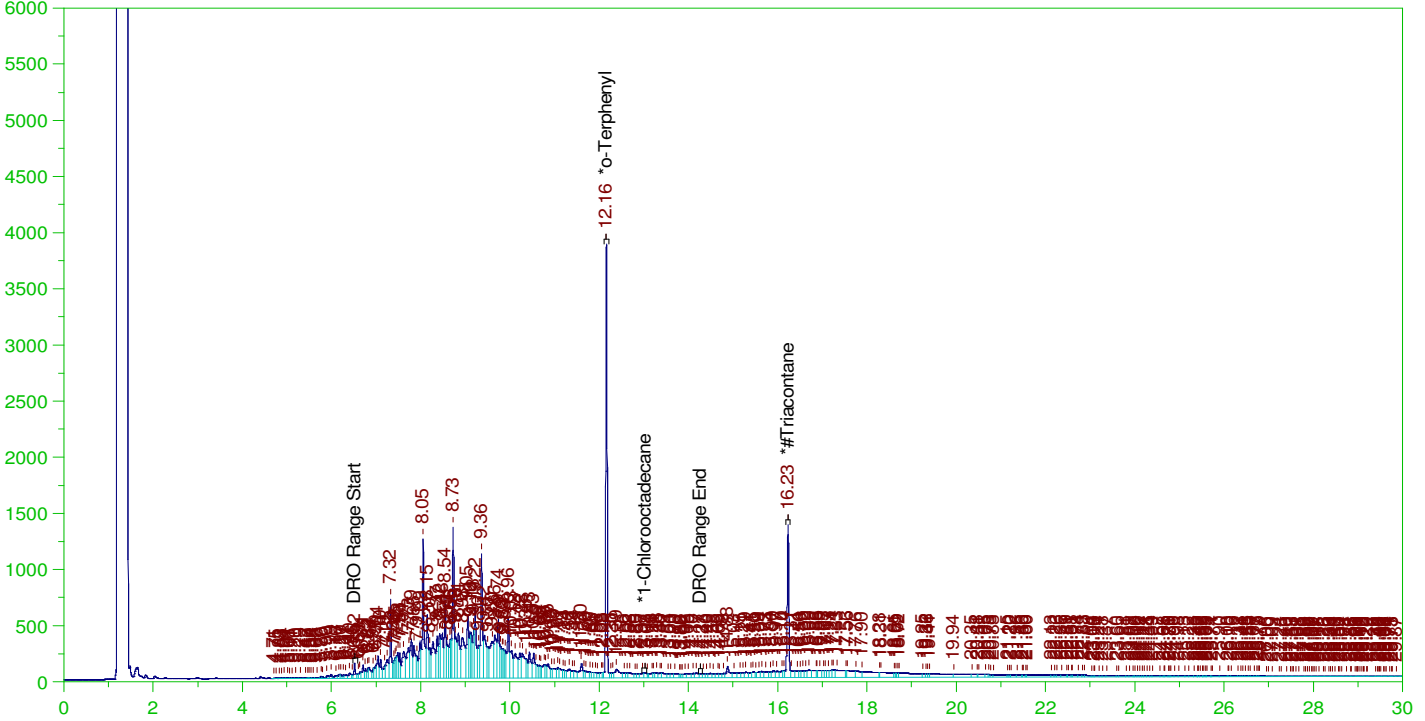
DRO Area: 3.53986E+07 DRO Amount: 1.129027  
TEH Area: 3.61274E+07 TEH Amount: 1.152272

ERH2332 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0022.RAW

B22010213-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010213-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0022.RAW  
Date & Time Acquired: 1/6/2022 10:57:16 PM  
Method File: G:\Org\HP5\Methods\D3\_8015-010621-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.161 | .194   | .203     | 104.46 | - |
| *1-Chlorooctadecane | 13.031 | .194   | .004     | 2.18   | - |
| *#Triacontane       | 16.227 | .194   | .124     | 64.07  | - |

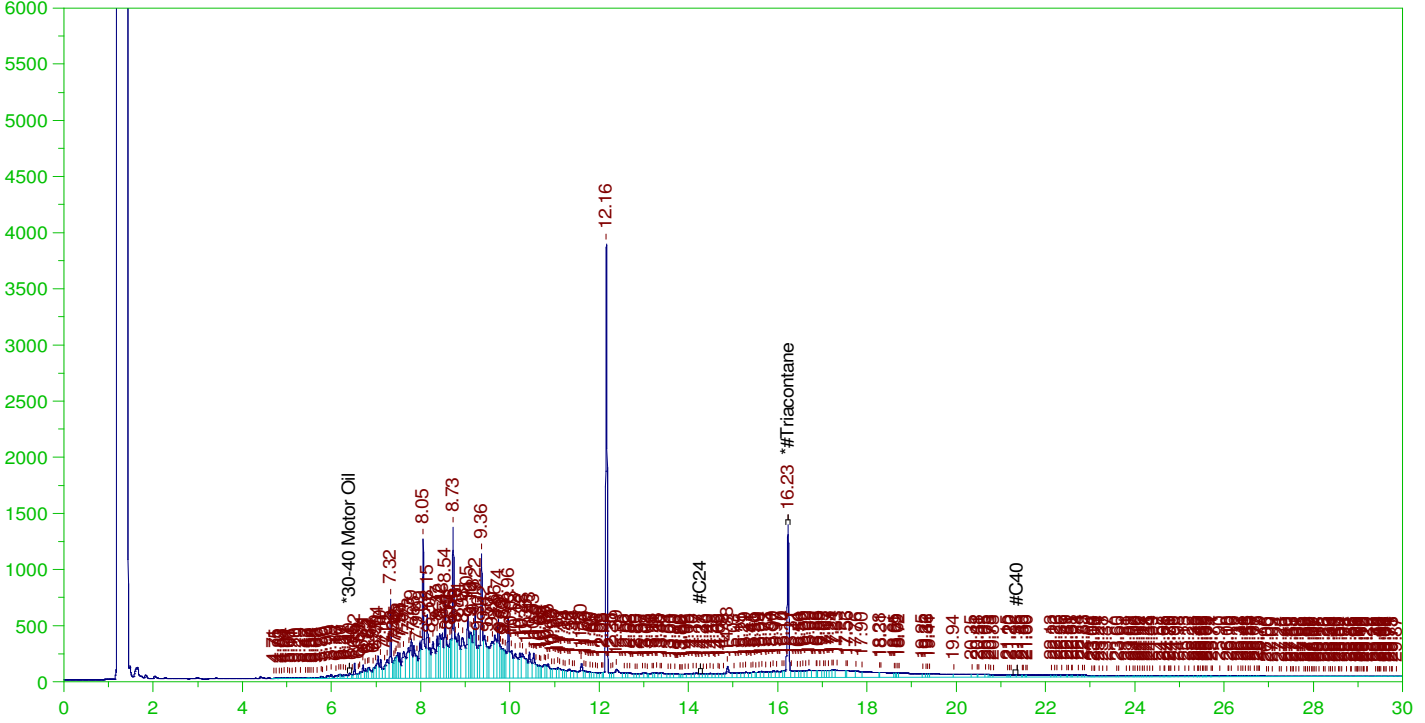
DRO Area: 7.567436E+07 DRO Amount: 2.34331  
TEH Area: 9.78099E+07 TEH Amount: 3.028753

ERH2332 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0022.RAW

B22010213-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010213-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0022.RAW  
Date & Time Acquired: 1/6/2022 10:57:16 PM  
Method File: G:\Org\HP5\Methods\DR\_OROS-010621-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.227 | .485   | .124     | 25.63 | - |

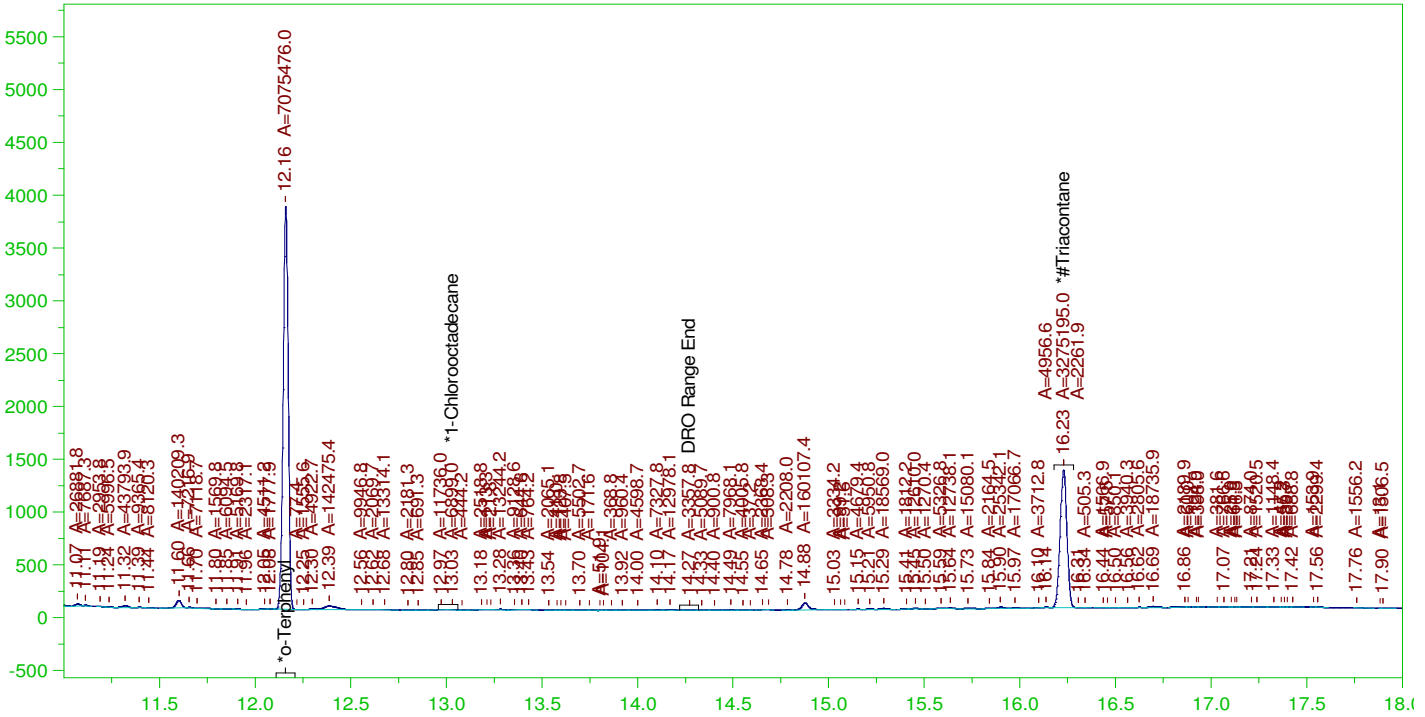
RRO Area:1.69262E+07 RRO AMOUNT: 0.575747

ERH2332 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0022.RAW

B22010213-001D ; 0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010213-001D ; 0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0022.RAW  
Date & Time Acquired: 1/6/2022 10:57:16 PM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.161 | .194   | .193     | 99.63 | - |
| *1-Chlorooctadecane | 13.031 | .194   | .        | .1    | - |
| *#Triacontane       | 16.227 | .194   | .11      | 56.61 | - |

DRO Area: 5.104516E+07 DRO Amount: 1.580649

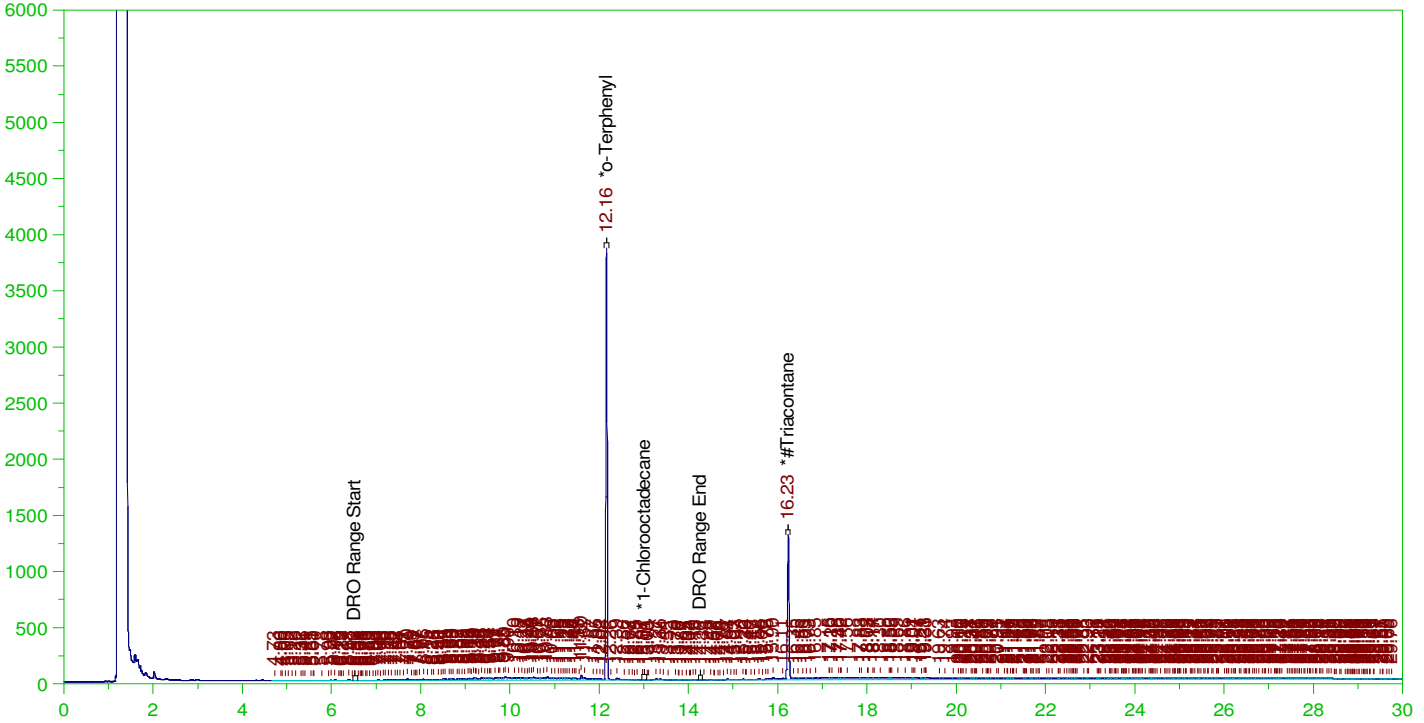
TEH Area: 5.216387E+07 TEH Amount: 1.615291

ERH2334 (RHMW2254-01 LF)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0023.RAW

B22010213-003D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010213-003D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0023.RAW  
Date & Time Acquired: 1/6/2022 11:40:39 PM  
Method File: G:\Org\HP5\Methods\D3\_8015-010621-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1020 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.162 | .196   | .2       | 101.94 | - |
| *1-Chlorooctadecane | 13.012 | .196   | .        | .15    | - |
| *#Triacontane       | 16.232 | .196   | .115     | 58.44  | - |

DRO Area:4778307 DRO Amount: 0.1494143  
TEH Area:1.259309E+07 TEH Amount: 0.393777

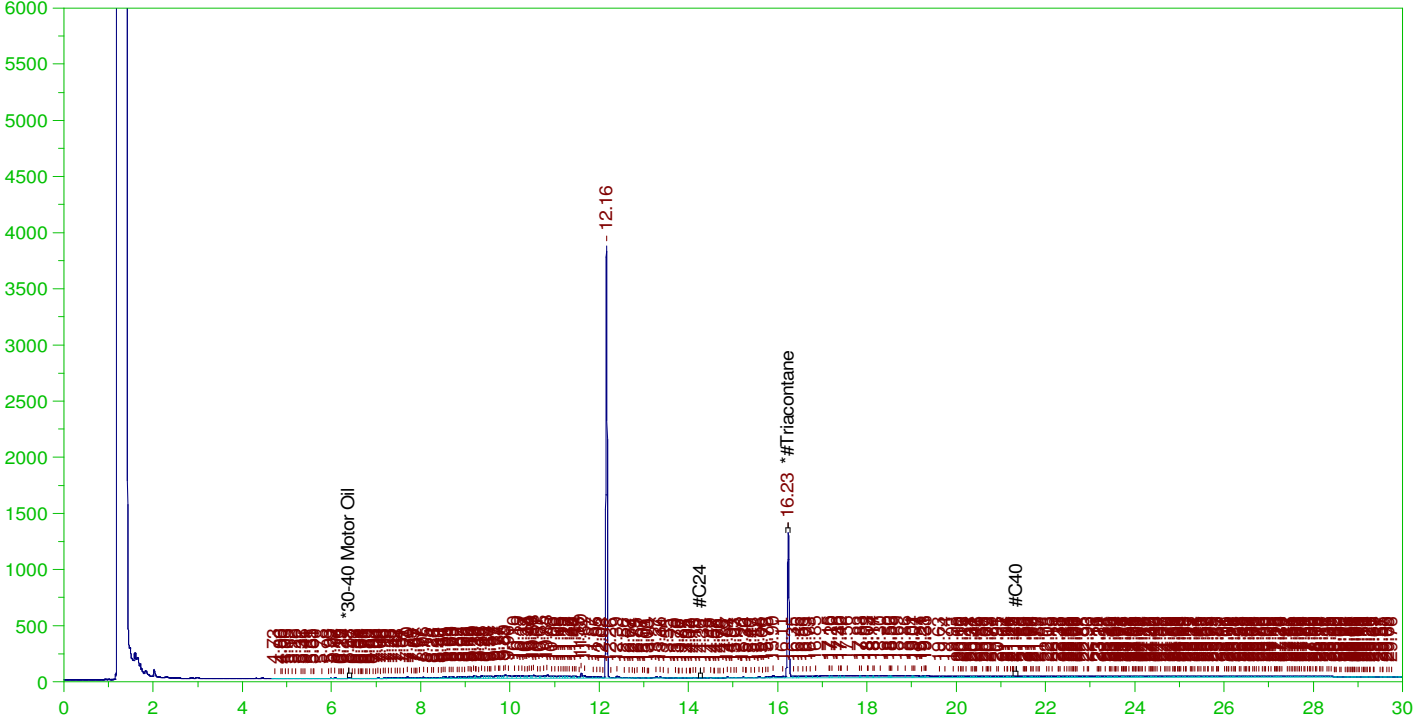


ERH2334 (RHMW2254-01 LF)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0023.RAW

B22010213-003D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010213-003D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0023.RAW  
Date & Time Acquired: 1/6/2022 11:40:39 PM  
Method File: G:\Org\HP5\Methods\DR\_OROS-010621-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1020 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane_____ | 16.232 | .49    | .115     | 23.38 | - |

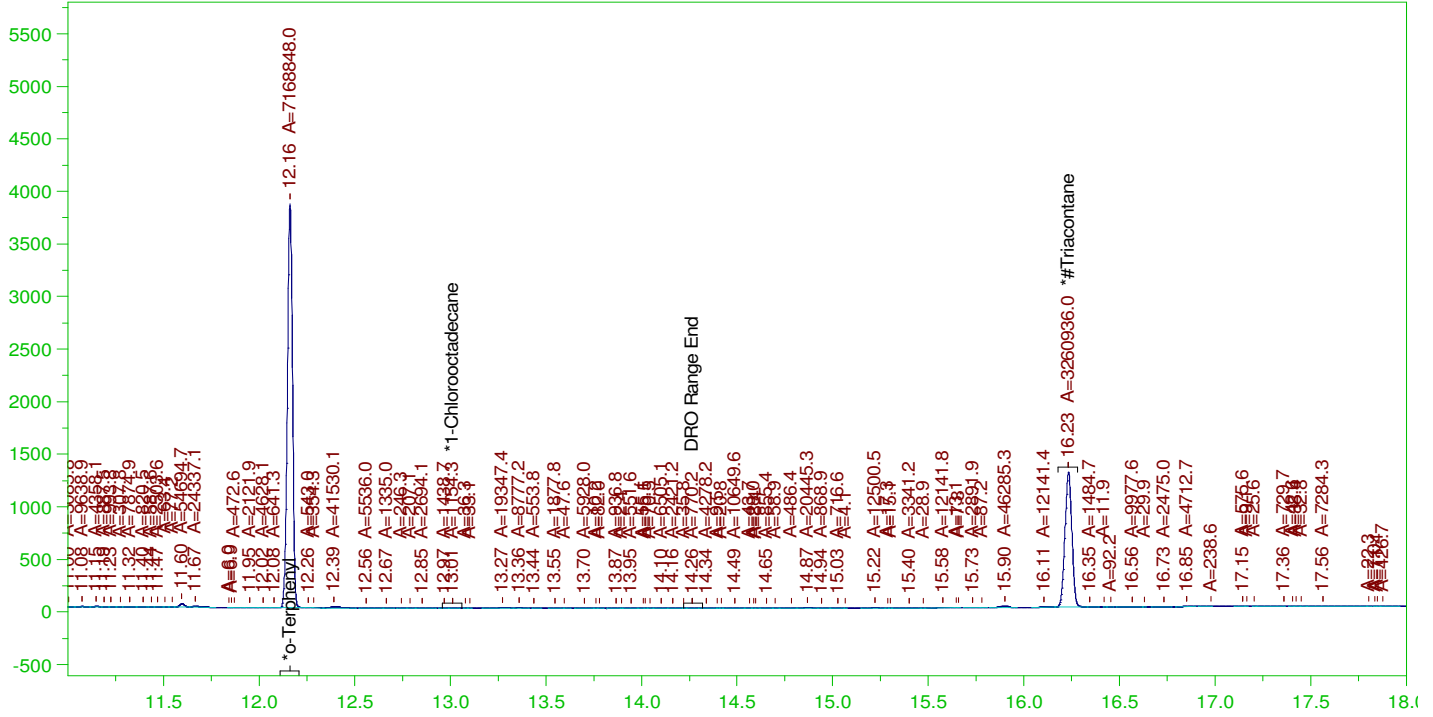
RRO Area:5081009 RRO AMOUNT: 0.1745256

ERH2334 (RHMW2254-01 LF)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0023.RAW

B22010213-003D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

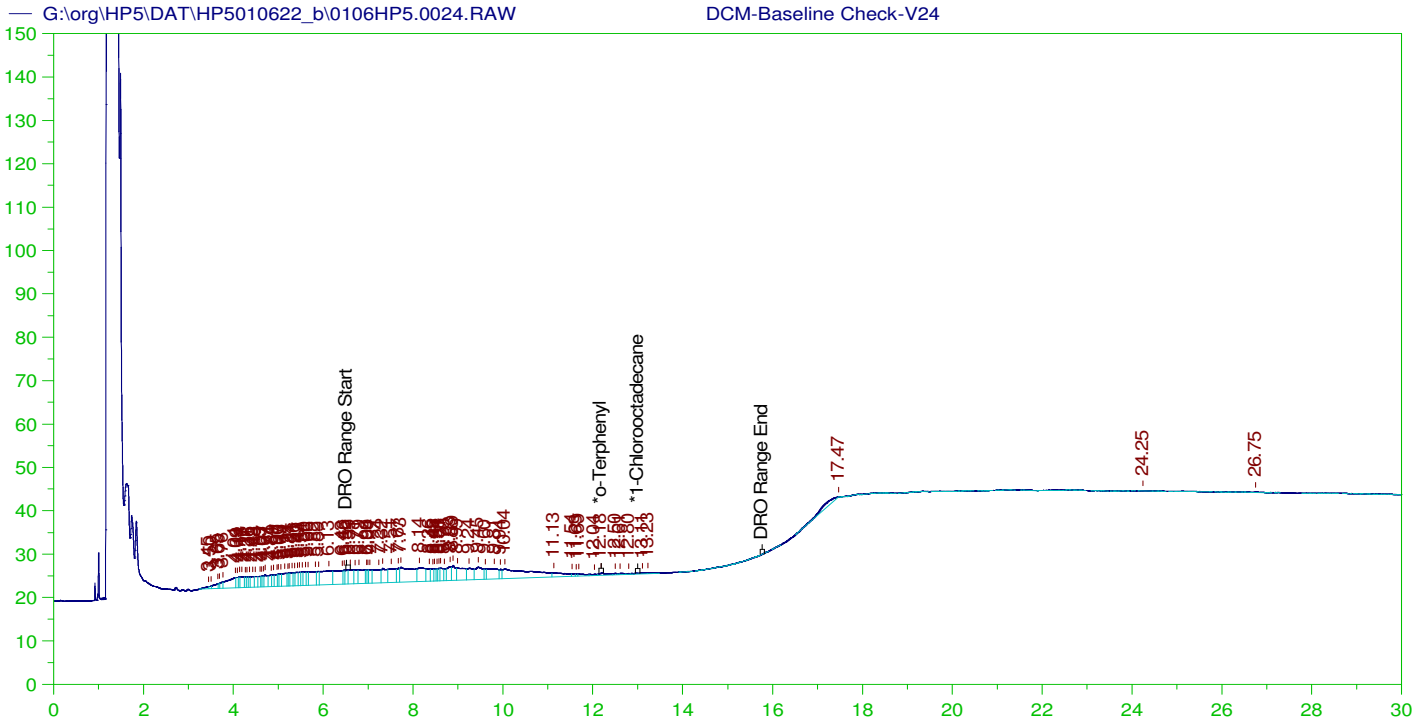
Sample Name: B22010213-003D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0023.RAW  
Date & Time Acquired: 1/6/2022 11:40:39 PM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1020 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.162 | .196   | .198     | 100.94 |
| *1-Chlorooctadecane | 13.012 | .196   | .02      | -      |
| *#Triacantane       | 16.232 | .196   | .111     | 56.36  |

DRO Area:1408939 DRO Amount: 4.405653E-02  
TEH Area:1826511 TEH Amount: 0.0571137



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V24  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0024.RAW  
 Date & Time Acquired: 1/7/2022 12:24:04 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.182 | 200.   | .177     | .09  |
| *1-Chlorooctadecane | 29.938 | 200.   | .        | .    |

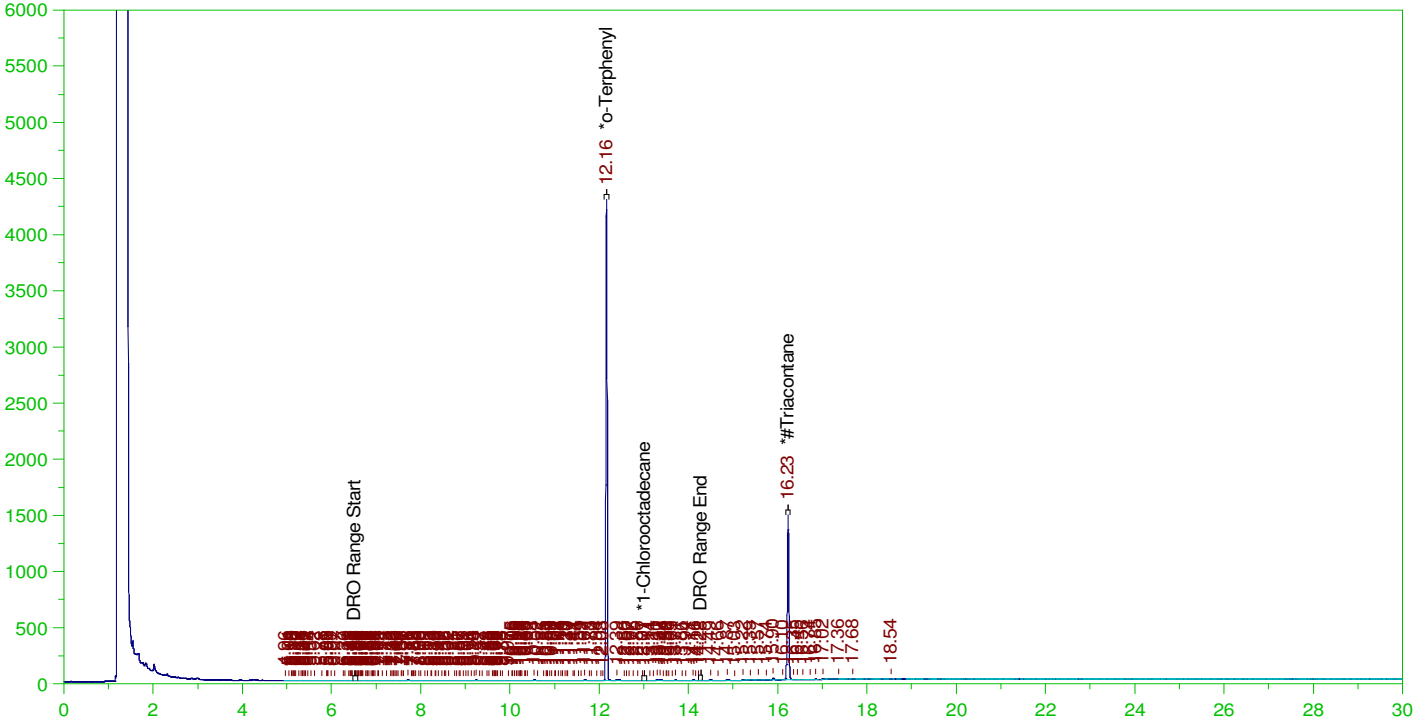
DRO Area:746266.5 DRO Amount: 23.80193  
 TEH Area:1257505 TEH Amount: 40.10771

ERH2309 (RHMW16)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0025.RAW

B22010141-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010141-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0025.RAW  
Date & Time Acquired: 1/7/2022 1:07:28 AM  
Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.163 | .194   | .22      | 113.52 | - |
| *1-Chlorooctadecane | 13.013 | .194   | .        | .02    | - |
| *#Triacontane       | 16.228 | .194   | .124     | 64.06  | - |

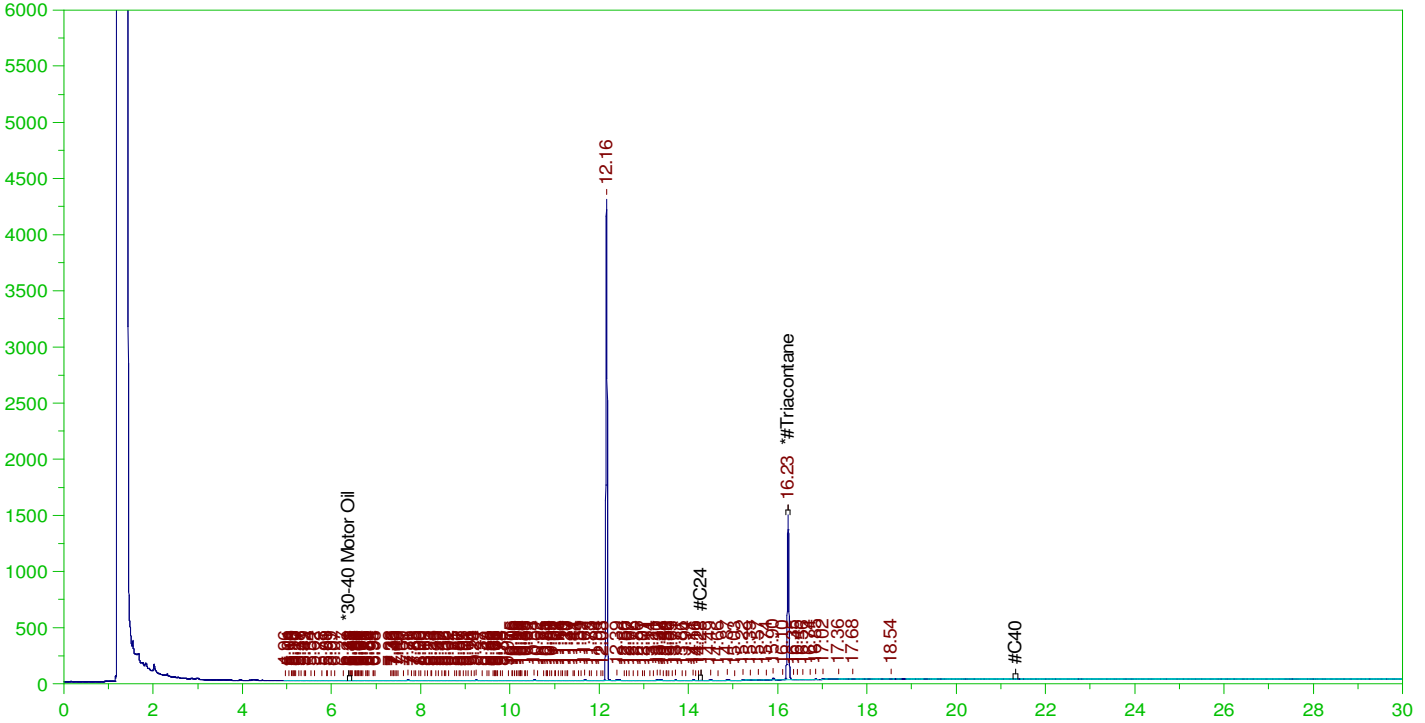
DRO Area:502897.8 DRO Amount: 1.557259E-02  
TEH Area:808044.9 TEH Amount: 2.502168E-02

ERH2309 (RHMW16)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0025.RAW

B22010141-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010141-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0025.RAW  
Date & Time Acquired: 1/7/2022 1:07:28 AM  
Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.228 | .485   | .124     | 25.62 |

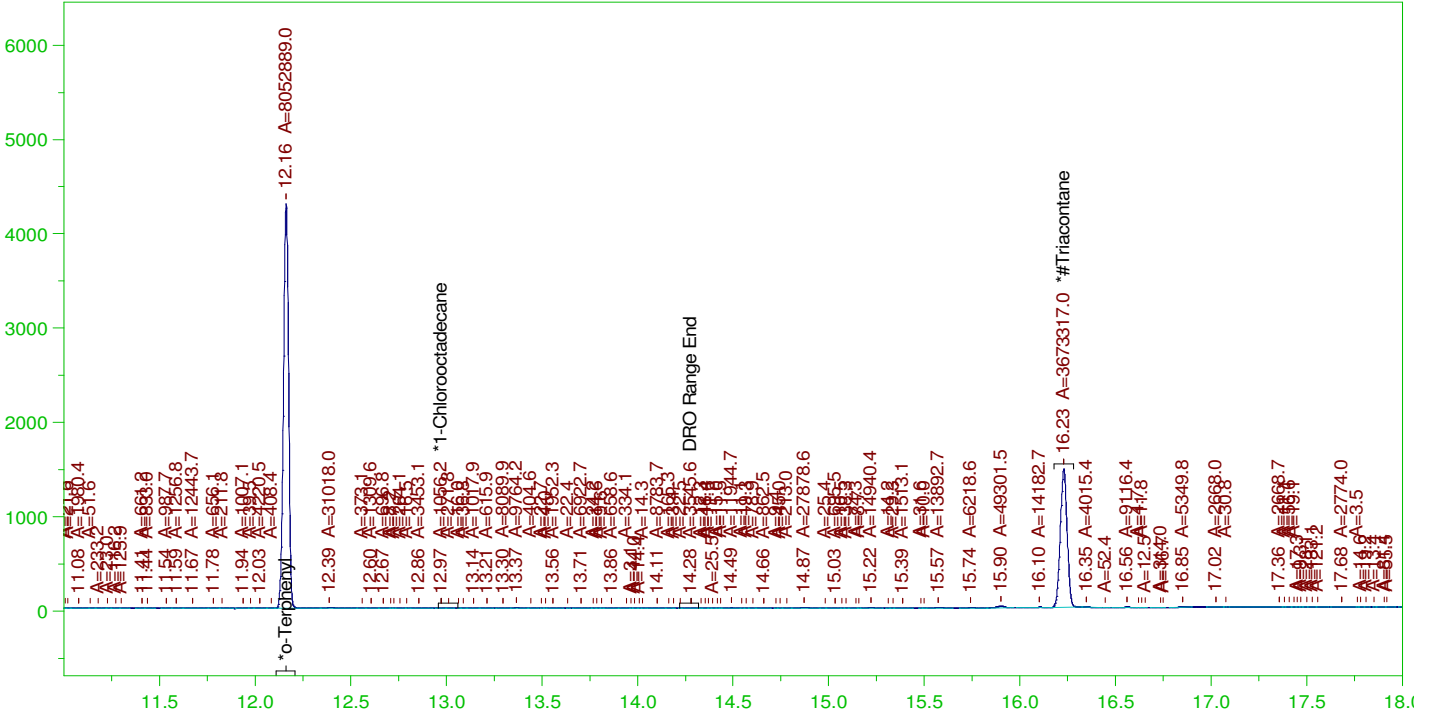
RRO Area:215033.2 RRO AMOUNT: 7.314381E-03

ERH2309 (RHMW16)

Batch ID: 162703

G:\Org\HP5\DAT\HP5010622\_b\0106HP5.0025.RAW

B22010141-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010141-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\Org\HP5\DAT\HP5010622\_b\0106HP5.0025.RAW  
Date & Time Acquired: 1/7/2022 1:07:28 AM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.163 | .194   | .22      | 113.39 | - |
| *1-Chlorooctadecane | 12.974 | .194   | .        | .01    | - |
| *#Triacontane       | 16.228 | .194   | .123     | 63.49  | - |

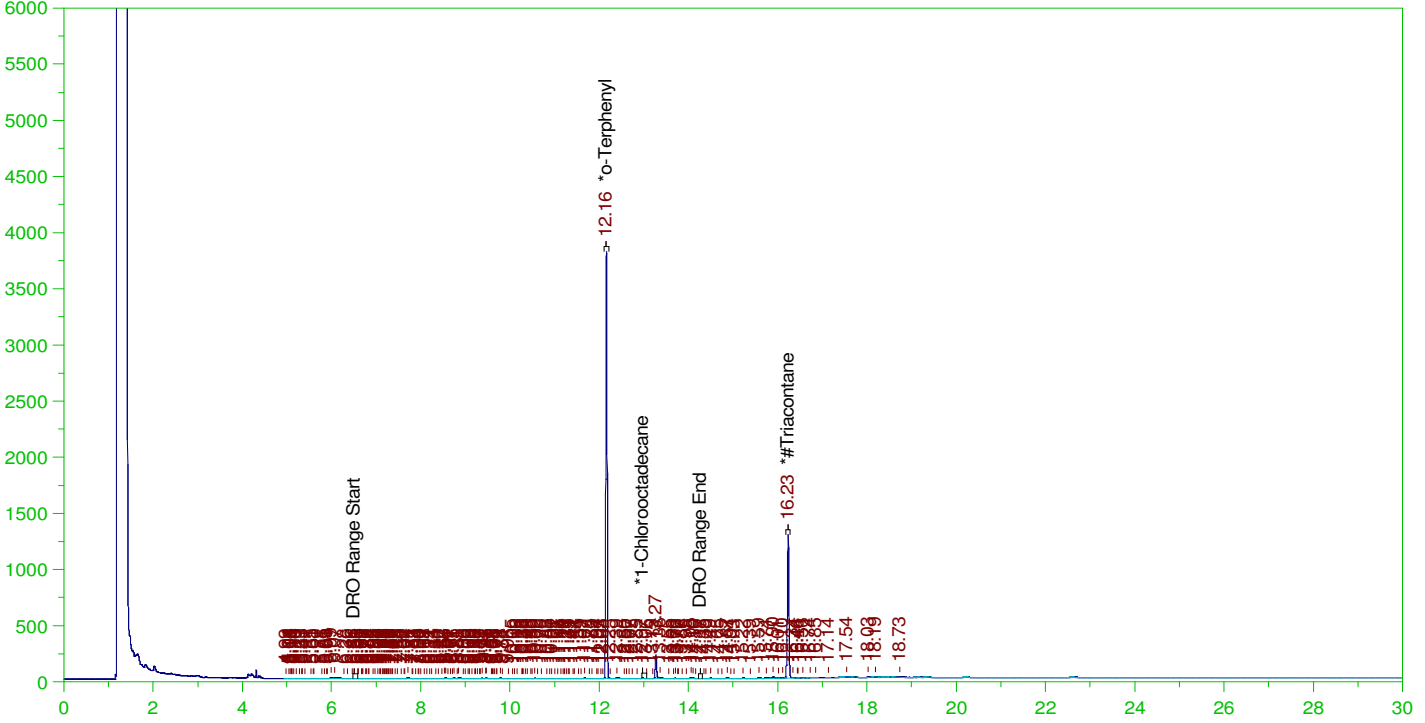
DRO Area:305989.1 DRO Amount: 9.475168E-03  
TEH Area:710739.8 TEH Amount: 2.200856E-02

ERH2321 (RHMW14 Zone3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0026.RAW

B22010214-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010214-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0026.RAW  
Date & Time Acquired: 1/7/2022 1:50:50 AM  
Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.161 | .19    | .19      | 99.54 | - |
| *1-Chlorooctadecane | 12.971 | .19    | .001     | .27   | - |
| *#Triacontane       | 16.229 | .19    | .108     | 56.45 | - |

DRO Area:1250788

DRO Amount: 0.0379938

TEH Area:1671461

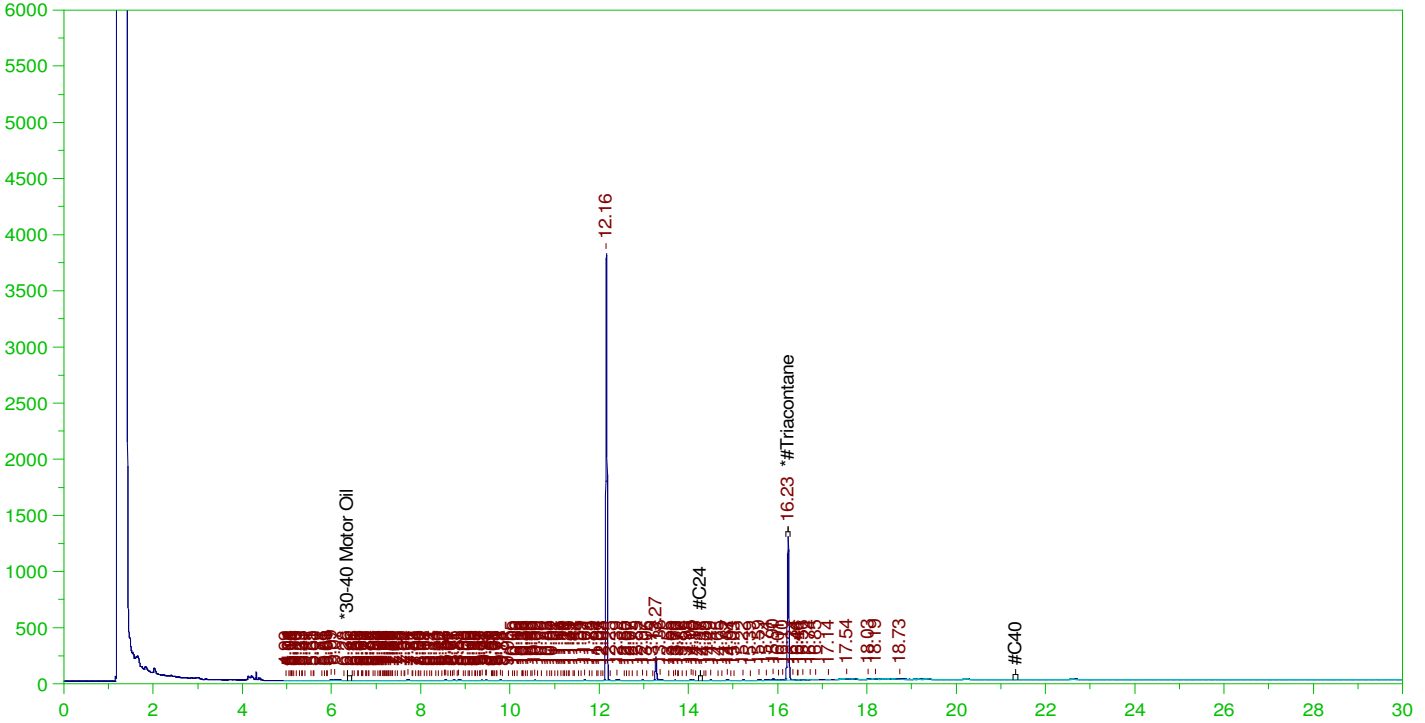
TEH Amount: 5.077209E-02

ERH2321 (RHMW14 Zone3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0026.RAW

B22010214-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010214-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0026.RAW  
Date & Time Acquired: 1/7/2022 1:50:50 AM  
Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.229 | .476   | .108     | 22.58 |

RRO Area:240144.4 RRO AMOUNT: 8.012951E-03

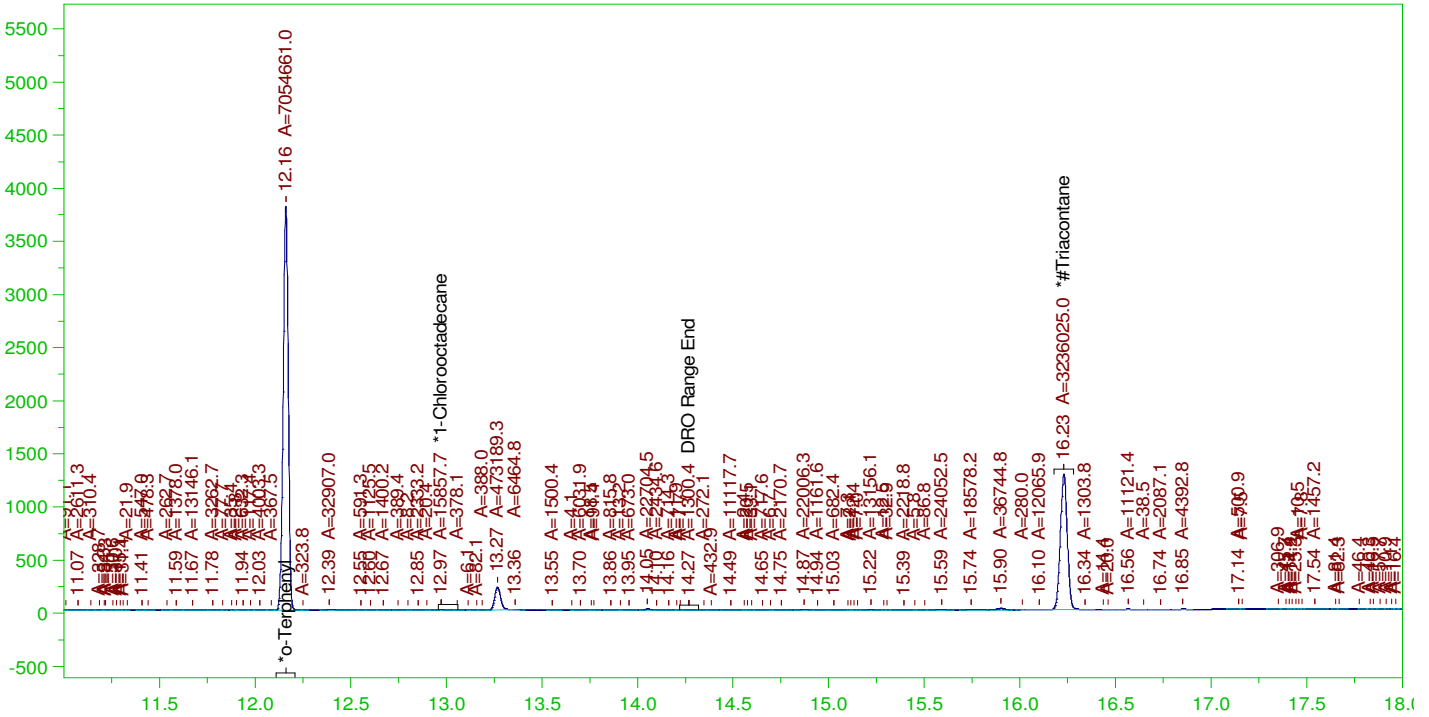


ERH2321 (RHMW14 Zone3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0026.RAW

B22010214-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010214-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0026.RAW  
Date & Time Acquired: 1/7/2022 1:50:50 AM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.161 | .19    | .189     | 99.34 | - |
| *1-Chlorooctadecane | 12.971 | .19    | .        | .22   | - |
| *#Triacontane       | 16.229 | .19    | .107     | 55.93 | - |

DRO Area:1057582  
TEH Area:2042025

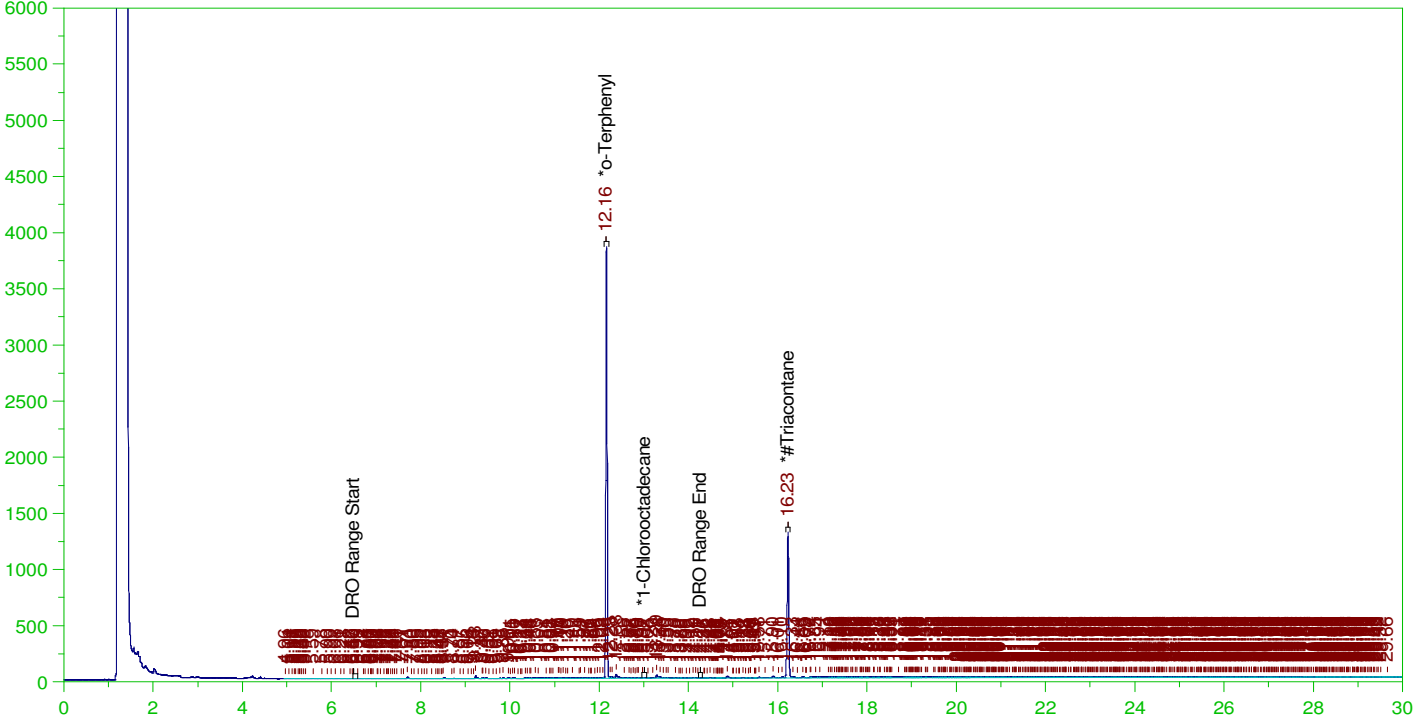
DRO Amount: 0.032125  
TEH Amount: 6.202832E-02

ERH2301 (OWDFMW05A)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0027.RAW

Batch ID: 162703

B22010219-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010219-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0027.RAW  
Date & Time Acquired: 1/7/2022 2:34:15 AM  
Method File: G:\Org\HP5\Methods\D3\_8015-C24T-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.161 | .2     | .203     | 101.3 | - |
| *1-Chlorooctadecane | 13.015 | .2     | .001     | .34   | - |
| *#Triacontane       | 16.225 | .2     | .117     | 58.26 | - |

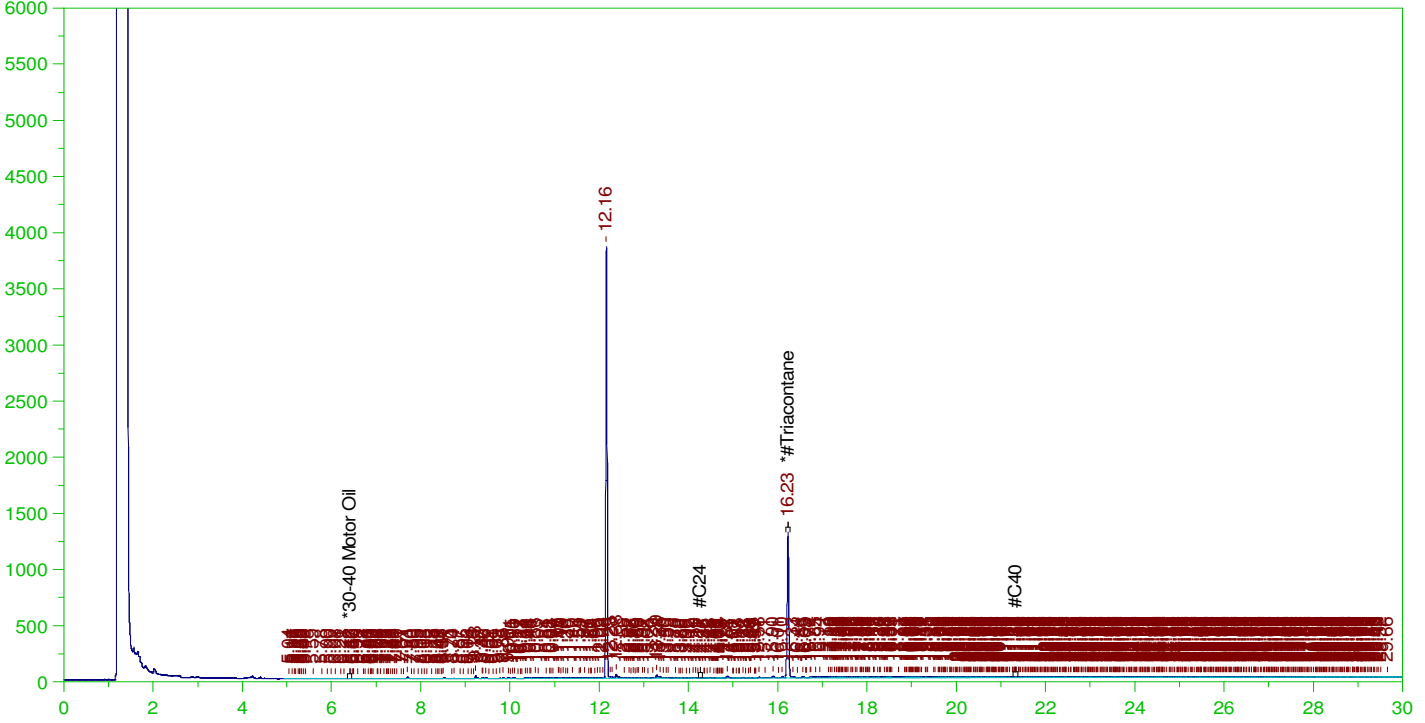
DRO Area:1775737 DRO Amount: 5.663655E-02  
TEH Area:7366031 TEH Amount: 0.2349372

ERH2301 (OWDFMW05A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0027.RAW

B22010219-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010219-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0027.RAW  
Date & Time Acquired: 1/7/2022 2:34:15 AM  
Method File: G:\Org\HP5\Methods\D3\_OROS-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane_____ | 16.225 | .5     | .117     | 23.31 |

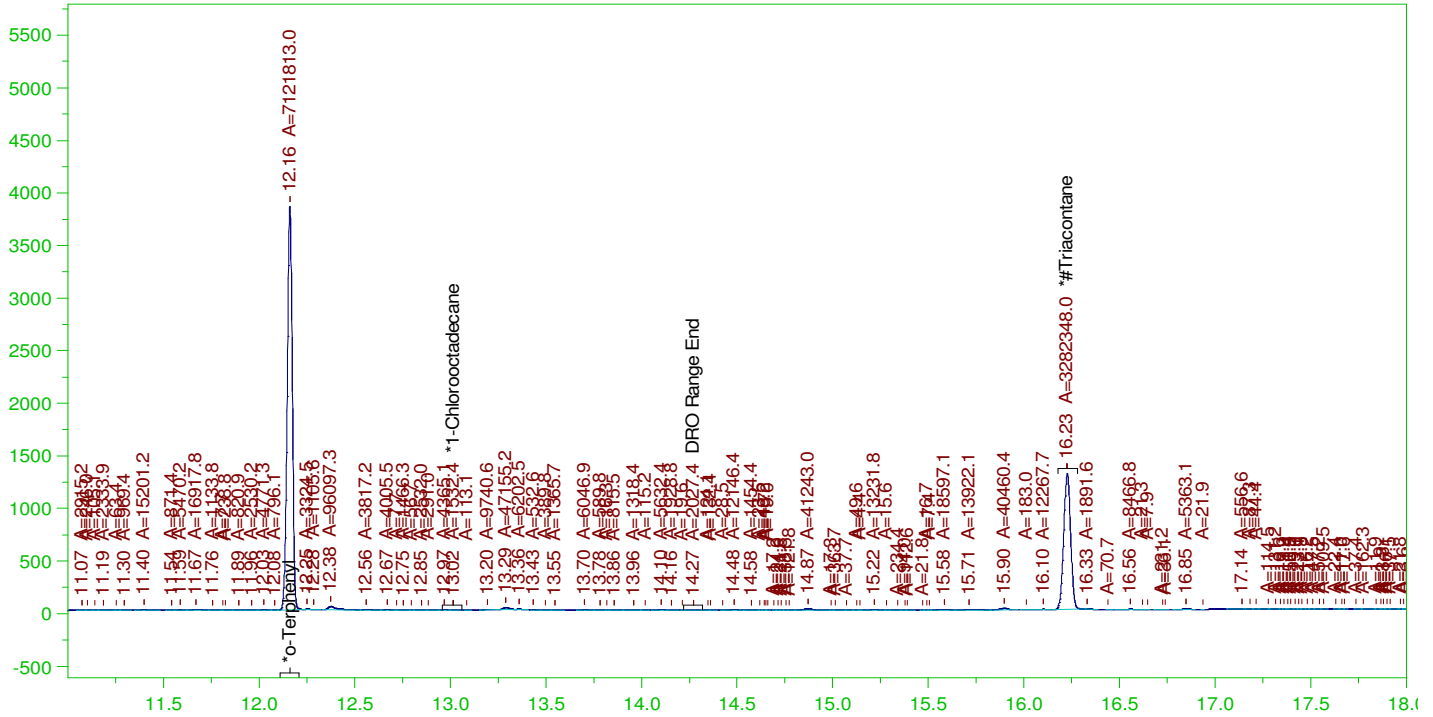
RRO Area:3554104 RRO AMOUNT: 0.1245201

ERH2301 (OWDFMW05A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0027.RAW

B22010219-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010219-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0027.RAW  
Date & Time Acquired: 1/7/2022 2:34:15 AM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.161 | .2     | .201     | 100.28 |
| *1-Chlorooctadecane | 13.015 | .2     | .02      | -      |
| *Triacontane        | 16.225 | .2     | .113     | 56.73  |

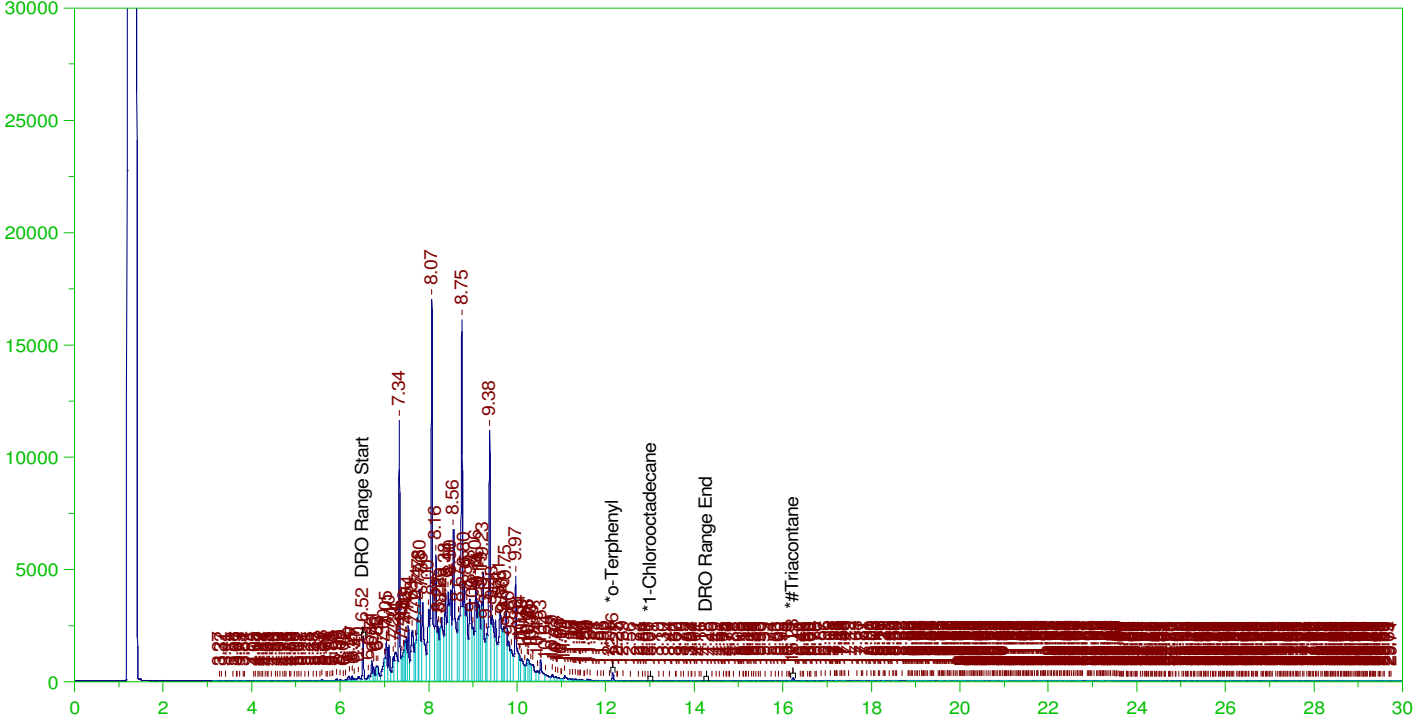
DRO Area:627850.7 DRO Amount: 0.0200251  
TEH Area:1180517 TEH Amount: 3.765221E-02

ERH2336 (Sump Adit3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0028.RAW

B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, ,(1,10)



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, ,(1,10)  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0028.RAW  
 Date & Time Acquired: 1/7/2022 3:17:33 AM  
 Method File: G:\Org\HP5\Methods\D3\_8015-010628-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1030 Dilution: 10 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.157 | .194   | .218     | 112.13 | - |
| *1-Chlorooctadecane | 13.012 | .194   | .011     | 5.41   | - |
| *#Triacontane       | 16.229 | .194   | .142     | 73.29  | - |

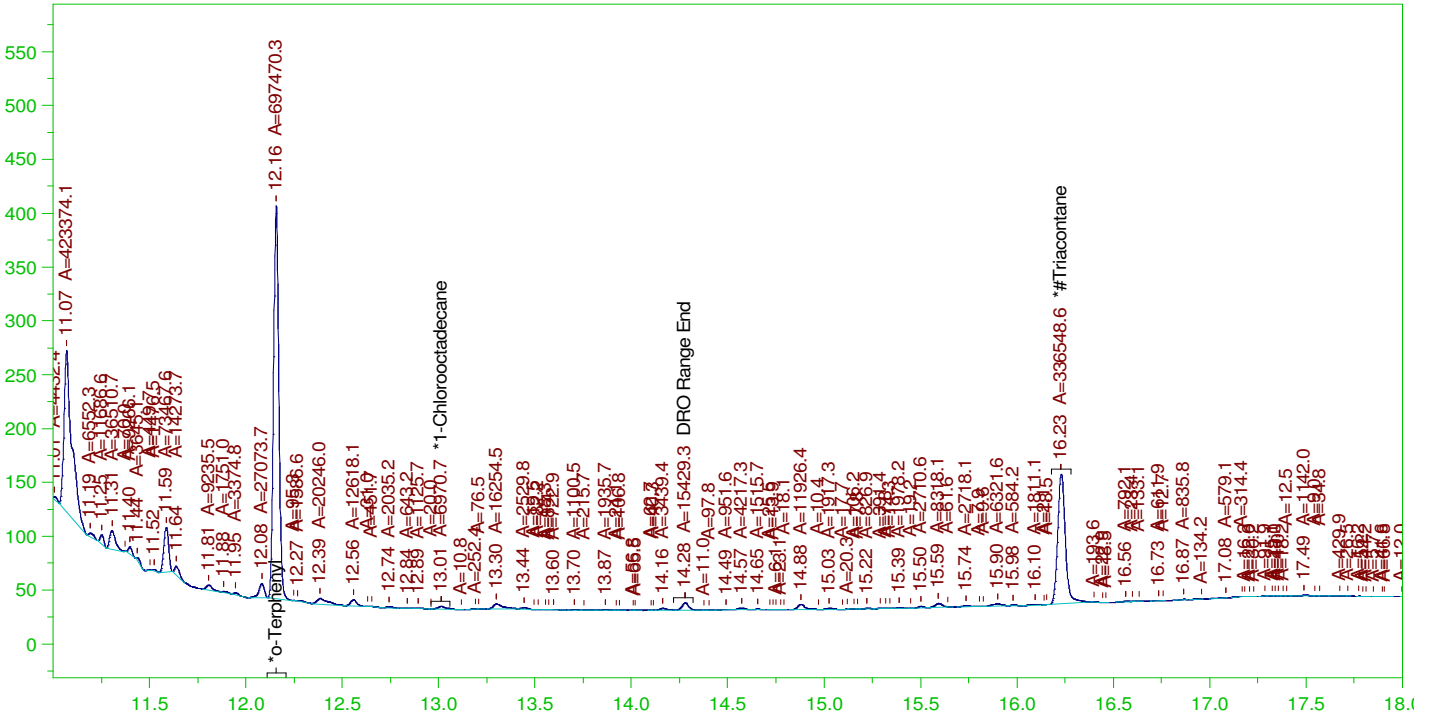
DRO Area: 5.525606E+08 DRO Amount: 171.1043  
 TEH Area: 5.615422E+08 TEH Amount: 173.8855

ERH2336 (Sump Adit3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0028.RAW

B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, ,(1,10)



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

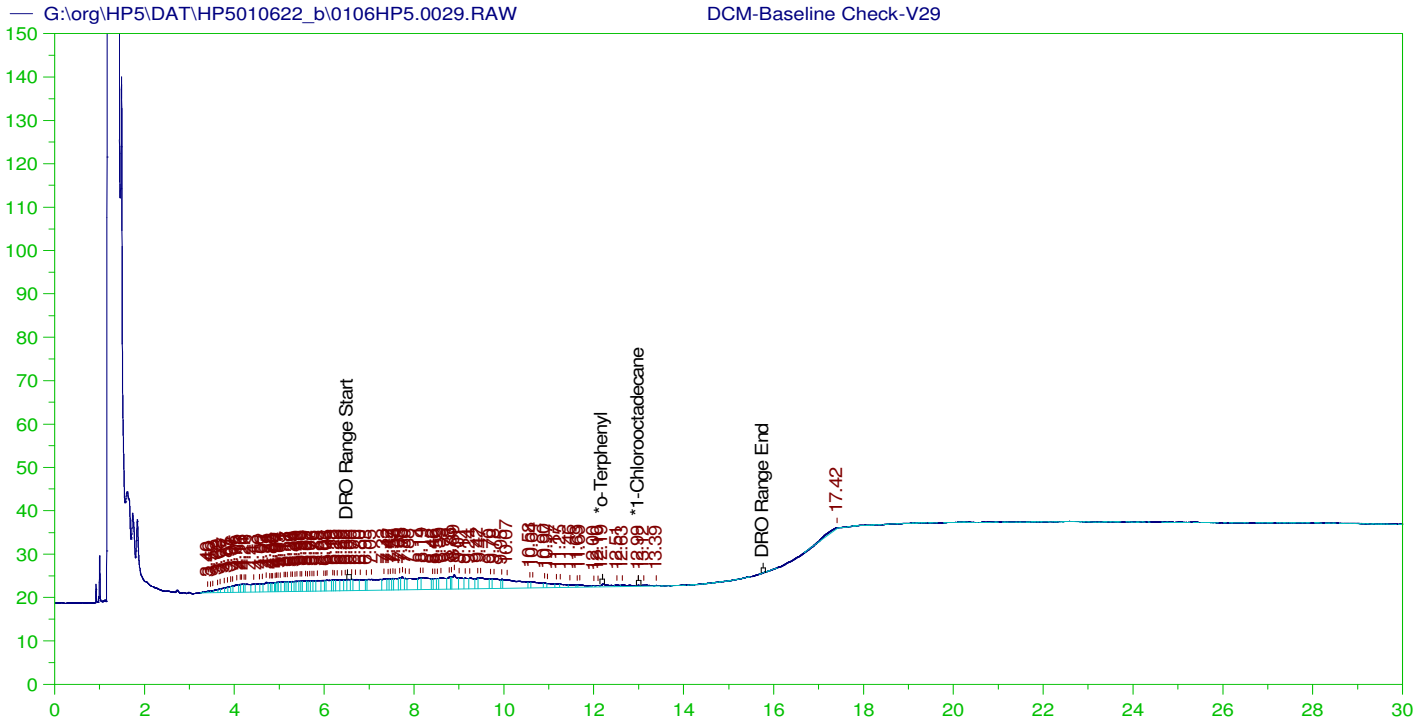
Sample Name: B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, ,(1,10)  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0028.RAW  
 Date & Time Acquired: 1/7/2022 3:17:33 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1030 Dilution: 10 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.157 | .194   | .191     | 98.21 |
| *1-Chlorooctadecane | 13.012 | .194   | .002     | .98   |
| *#Triacontane       | 16.229 | .194   | .113     | 58.17 |

DRO Area:5.193835E+08 DRO Amount: 160.8308  
 TEH Area:5.221435E+08 TEH Amount: 161.6854



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V29  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0029.RAW  
 Date & Time Acquired: 1/7/2022 4:01:02 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.195 | 200.   | .188     | .09  | - |
| *1-Chlorooctadecane | 12.994 | 200.   | .028     | .01  | - |

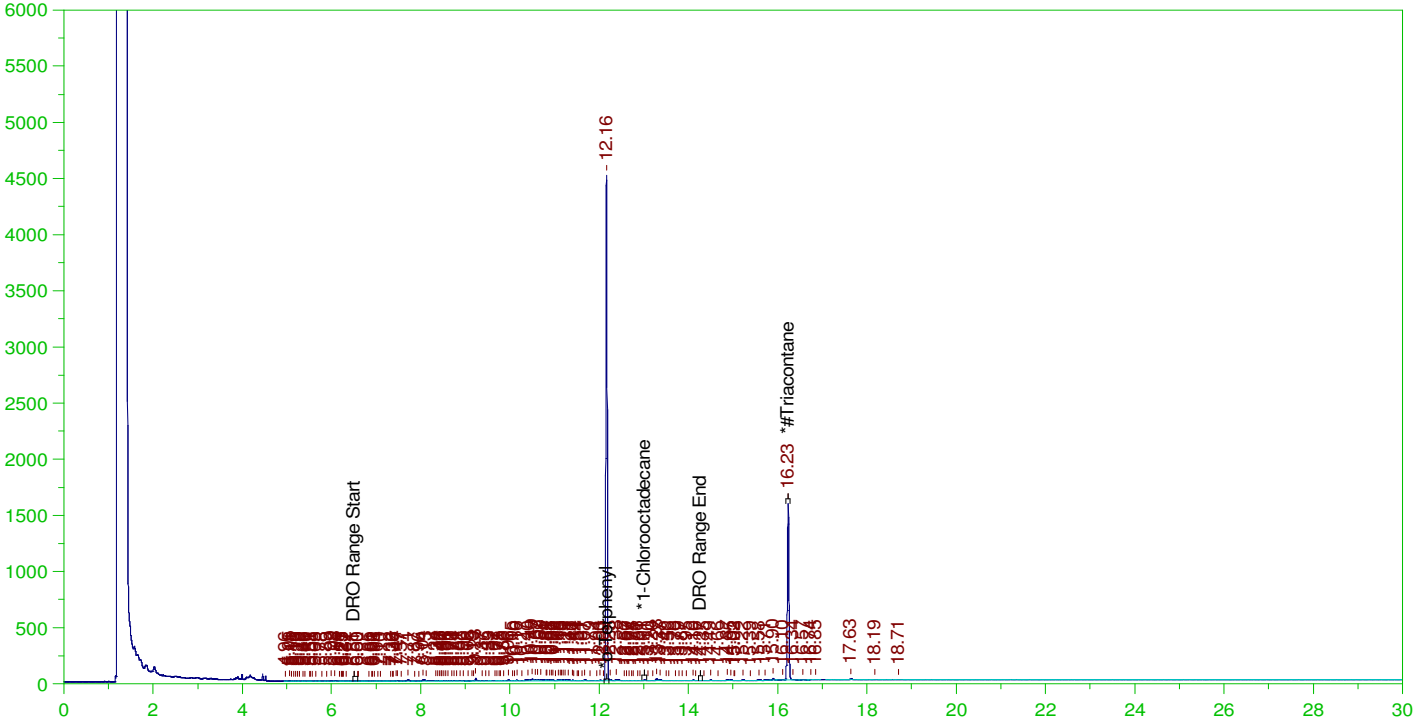
DRO Area:648458.4 DRO Amount: 20.68237  
 TEH Area:1031307 TEH Amount: 32.89321

ERH2307 (RHMW13 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0030.RAW

B22010134-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010134-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0030.RAW  
Date & Time Acquired: 1/7/2022 4:44:24 AM  
Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.162 | .192   | .229     | 119.19 | - |
| *1-Chlorooctadecane | 13.014 | .192   | .001     | .27    | - |
| *#Triacontane       | 16.229 | .192   | .133     | 69.38  | - |

DRO Area:1258538 DRO Amount: 3.859679E-02  
TEH Area:1592775 TEH Amount: 4.884716E-02

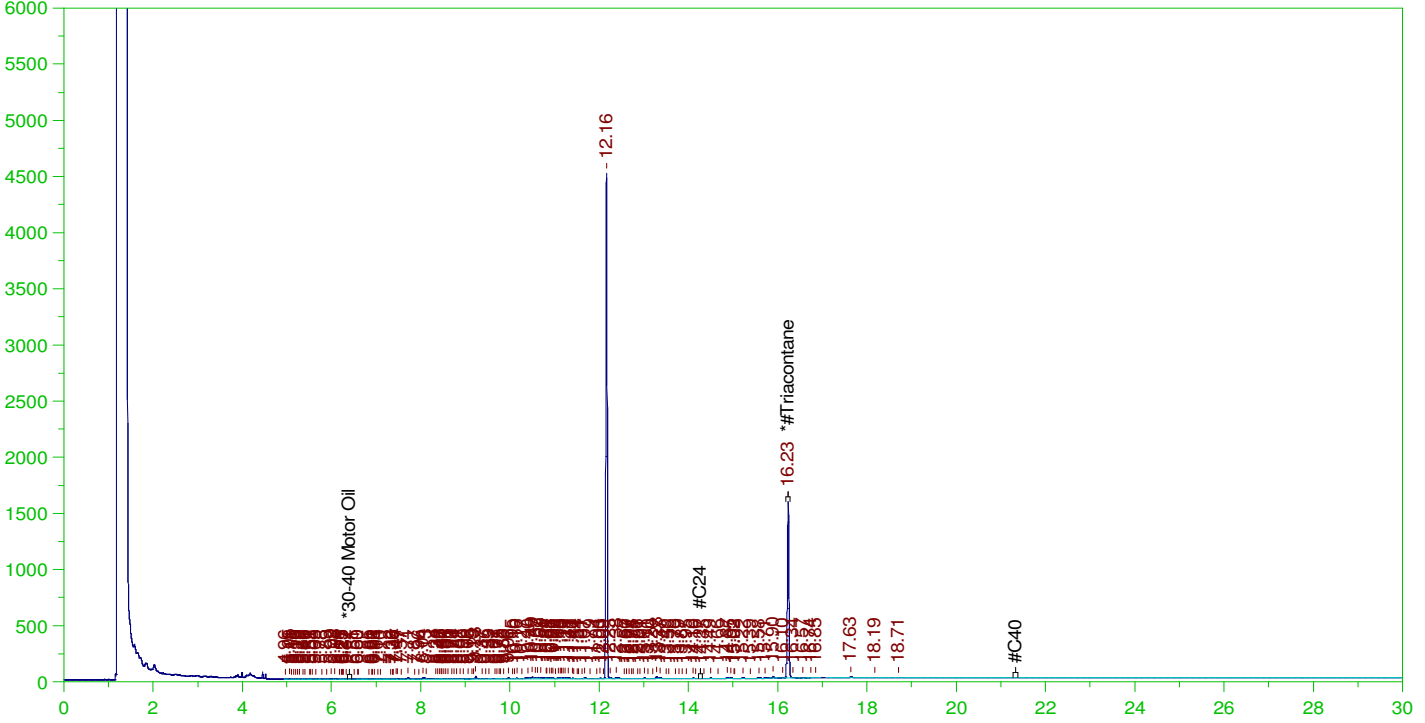


ERH2307 (RHMW13 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0030.RAW

B22010134-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010134-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0030.RAW  
Date & Time Acquired: 1/7/2022 4:44:24 AM  
Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.229 | .481   | .133     | 27.75 |

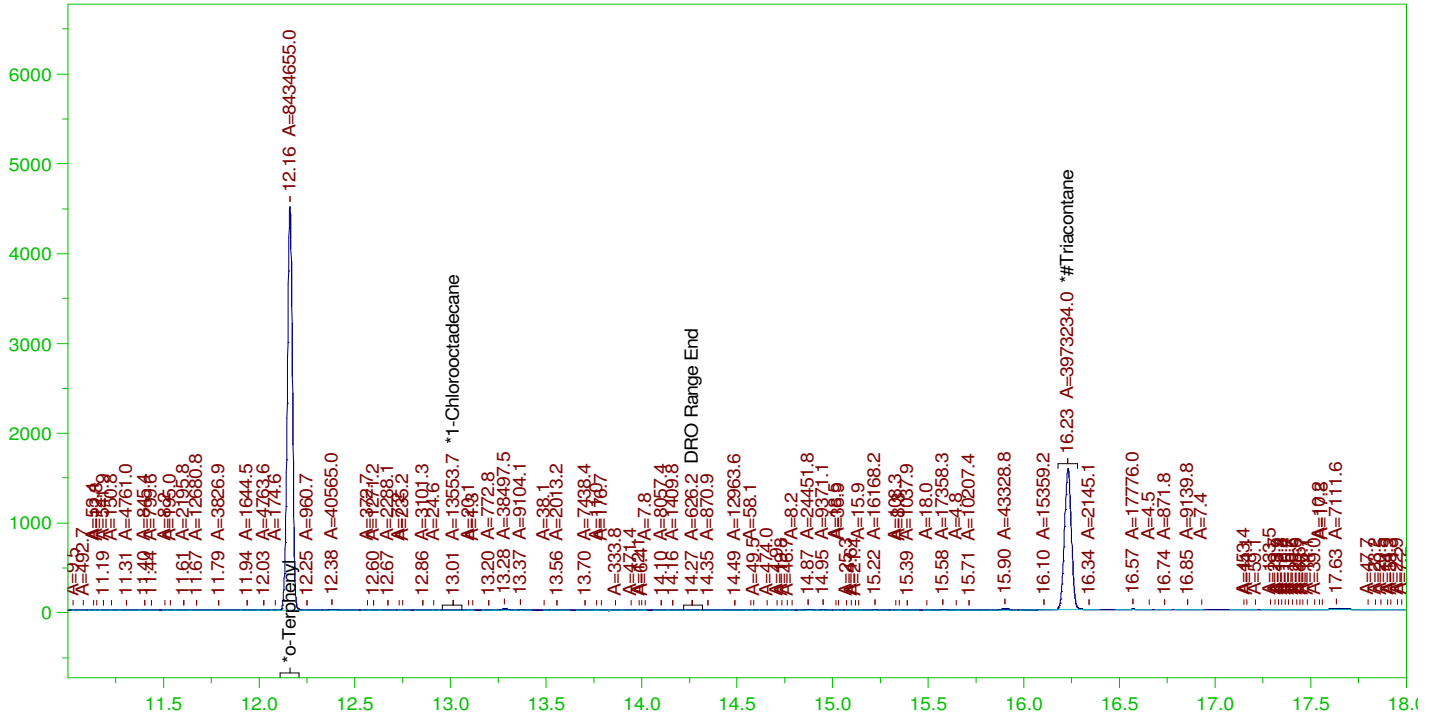
RRO Area:262152.8 RRO AMOUNT: 8.831421E-03

ERH2307 (RHMW13 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0030.RAW

B22010134-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010134-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0030.RAW  
Date & Time Acquired: 1/7/2022 4:44:24 AM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.162 | .192   | .228     | 118.77 |
| *1-Chlorooctadecane | 13.014 | .192   | .19      | -      |
| *#Triacontane       | 16.229 | .192   | .132     | 68.67  |

DRO Area:533993.6  
TEH Area:1703050

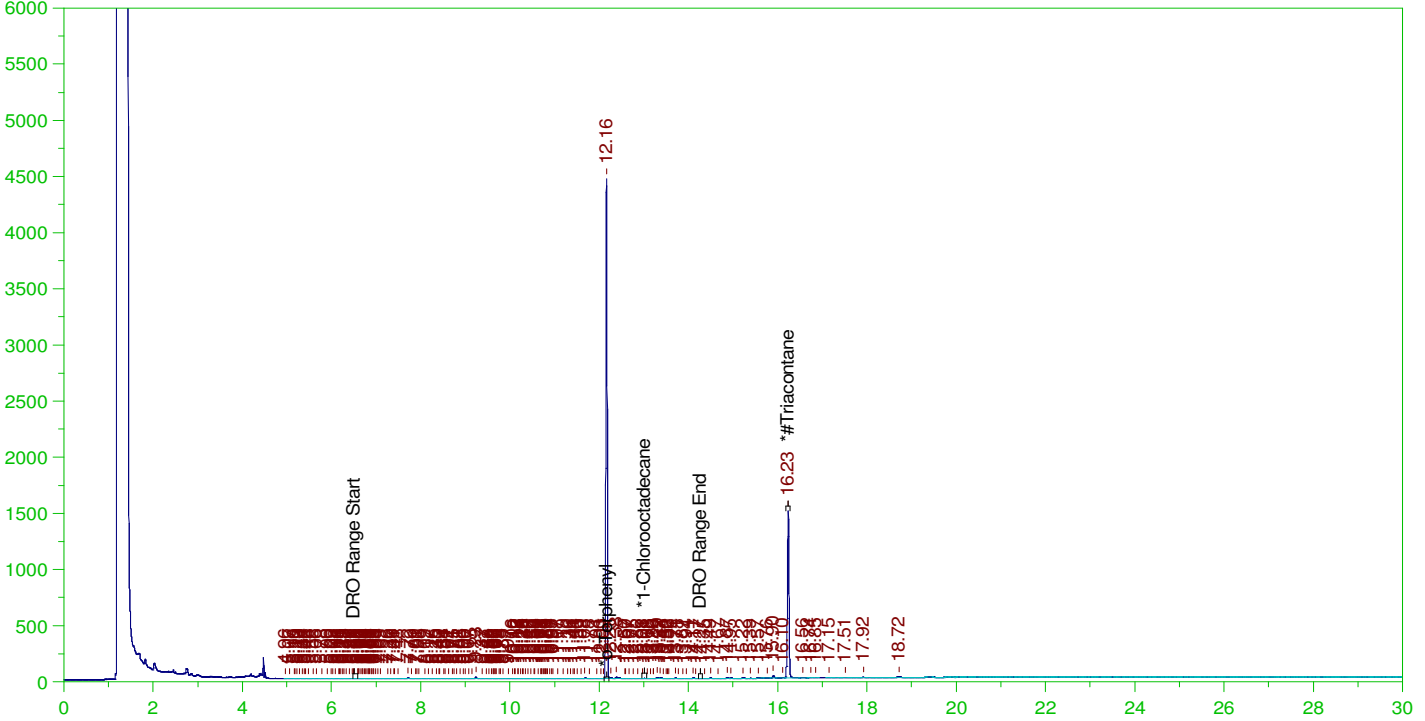
DRO Amount: 0.0163765  
TEH Amount: 5.222908E-02

ERH2311 (RHMW12A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0031.RAW

B22010142-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010142-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0031.RAW  
Date & Time Acquired: 1/7/2022 5:27:56 AM  
Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 970 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.162 | .206   | .24      | 116.41 | - |
| *1-Chlorooctadecane | 13.015 | .206   | .        | .1     | - |
| *#Triacontane       | 16.231 | .206   | .137     | 66.53  | - |

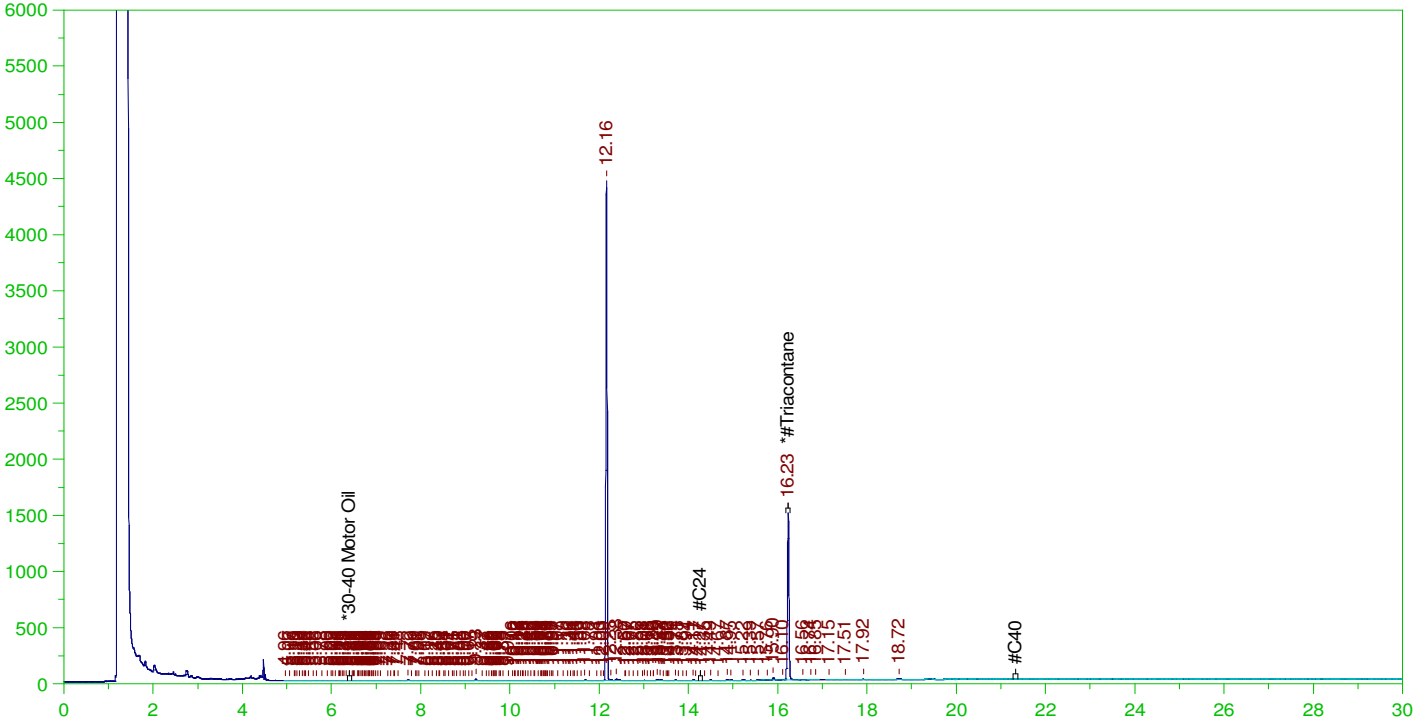
DRO Area:563225.8 DRO Amount: 1.851949E-02  
TEH Area:875541.1 TEH Amount: 2.878876E-02

ERH2311 (RHMW12A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0031.RAW

B22010142-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010142-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0031.RAW  
Date & Time Acquired: 1/7/2022 5:27:56 AM  
Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 970 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.231 | .515   | .137     | 26.61 |

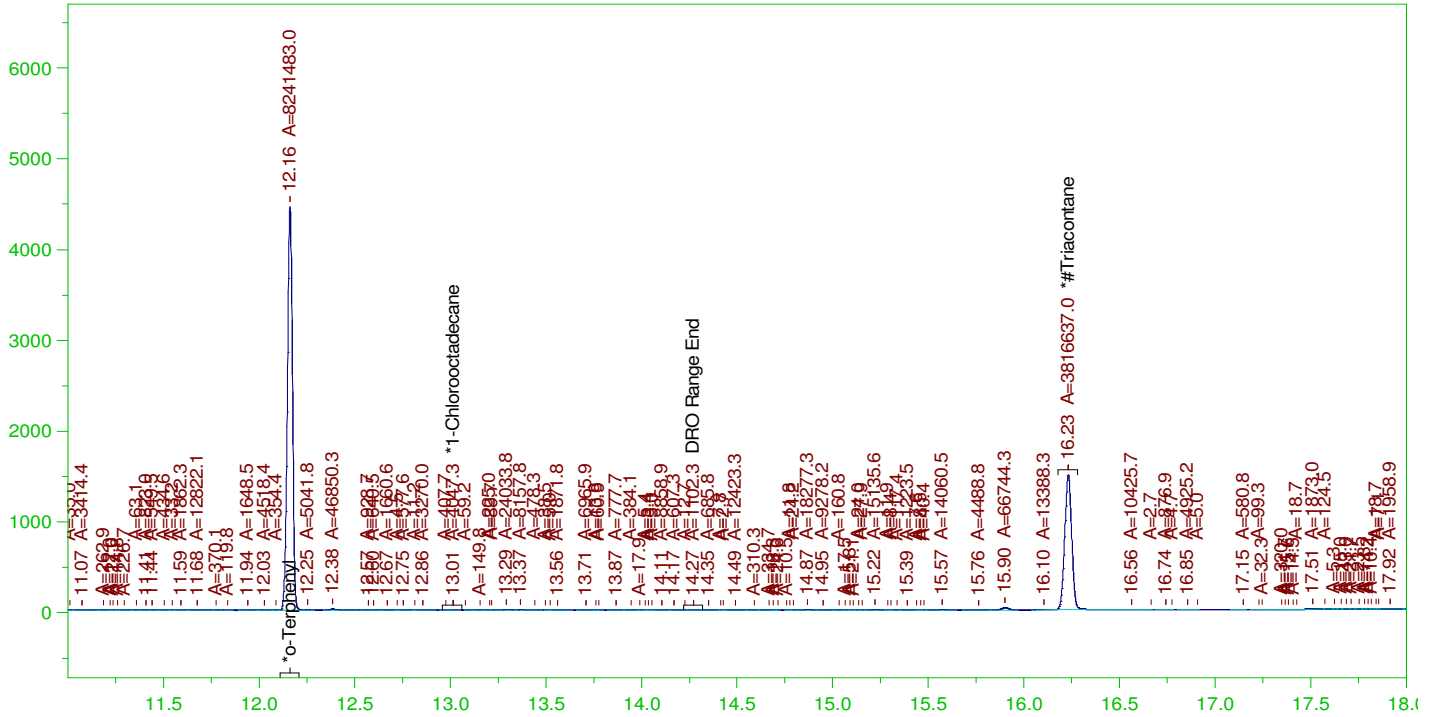
RRO Area:211636.8 RRO AMOUNT: 7.644144E-03

ERH2311 (RHMW12A)

Batch ID: 162703

G:\Org\HP5\DAT\HP5010622\_b\0106HP5.0031.RAW

B22010142-001D ; 0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010142-001D ; 0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\Org\HP5\DAT\HP5010622\_b\0106HP5.0031.RAW  
Date & Time Acquired: 1/7/2022 5:27:56 AM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 970 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.162 | .206   | .239     | 116.05 |
| *1-Chlorooctadecane | 13.015 | .206   | .        | .06    |
| *Triacontane        | 16.231 | .206   | .136     | 65.96  |

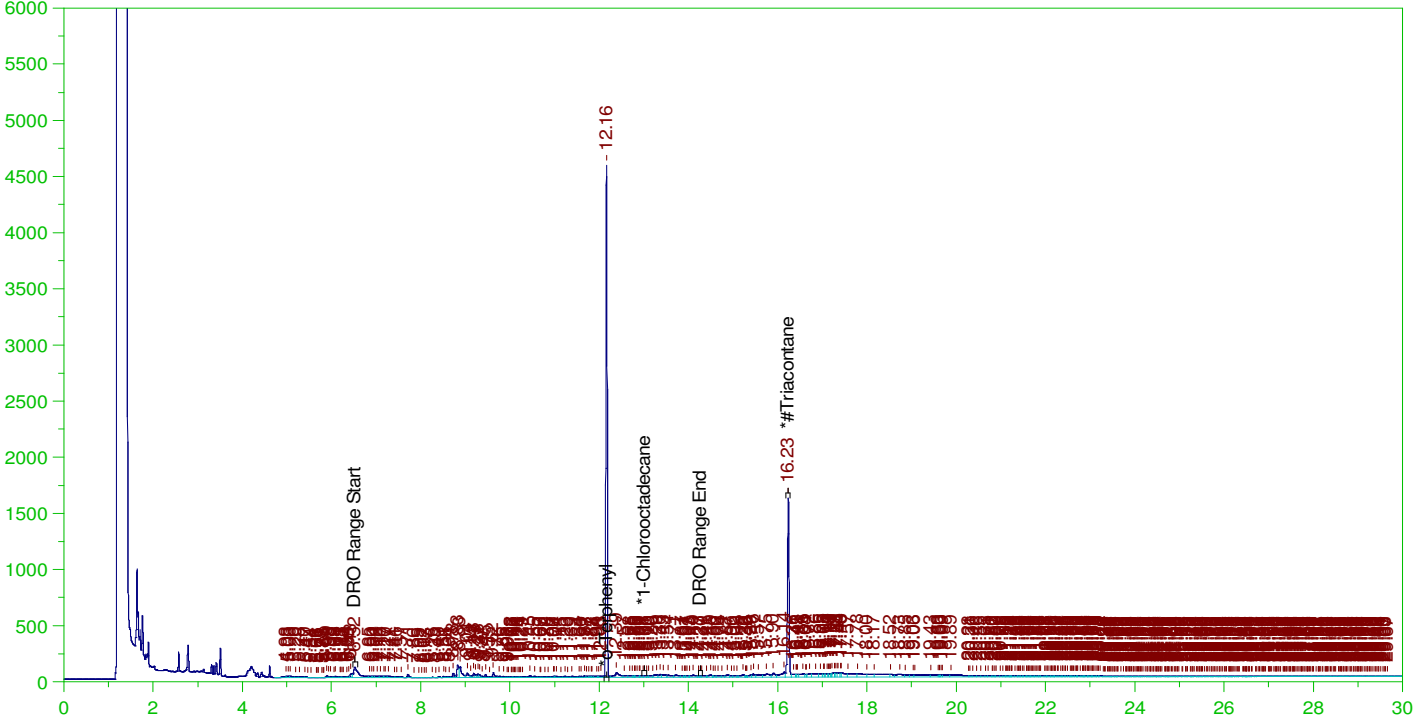
DRO Area: 363803.1 DRO Amount: 1.196225E-02  
TEH Area: 1656256 TEH Amount: 5.445953E-02

ERH2313 (RHMW11 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0032.RAW

B22010145-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010145-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0032.RAW  
Date & Time Acquired: 1/7/2022 6:11:21 AM  
Method File: G:\Org\HP5\Methods\D3\_8015-010632-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.163 | .2     | .238     | 119.2 | - |
| *1-Chlorooctadecane | 13.01  | .2     | .002     | .84   | - |
| *#Triacontane       | 16.232 | .2     | .143     | 71.68 | - |

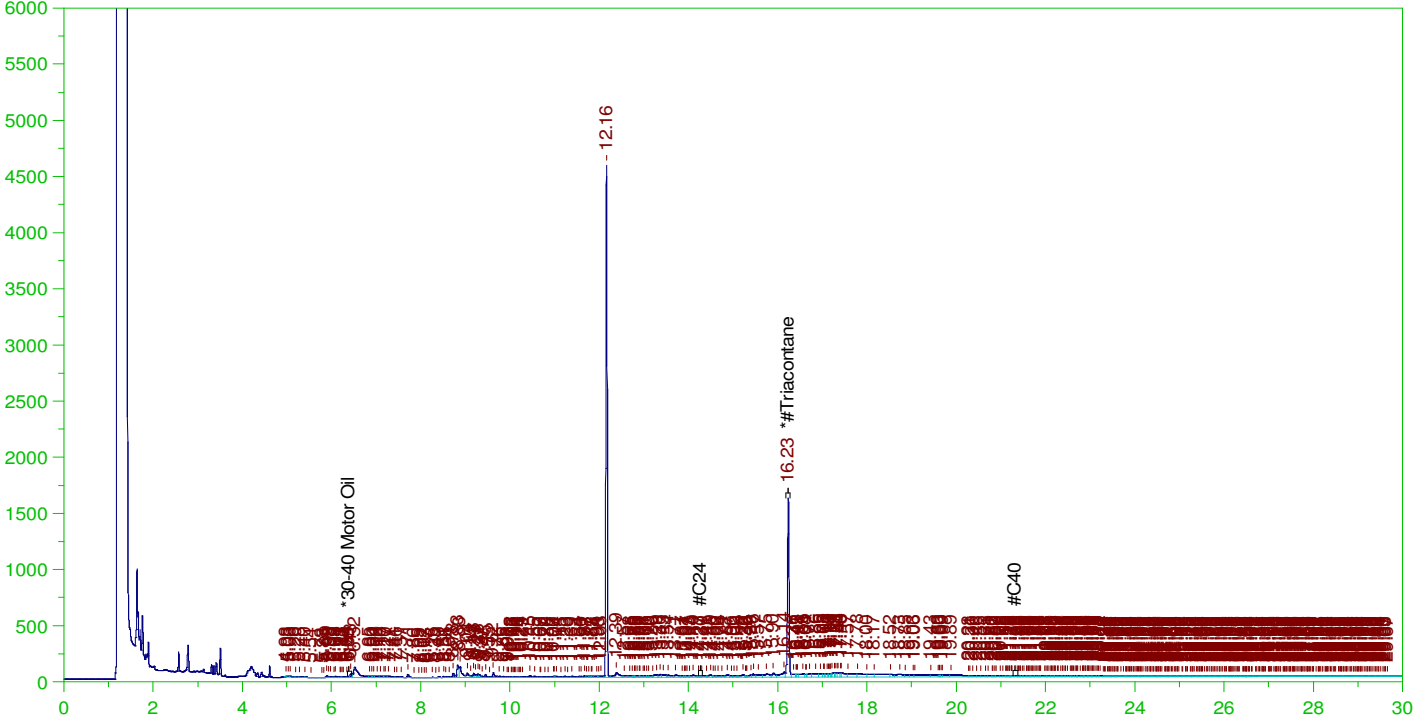
DRO Area:6393878 DRO Amount: 0.2039307  
TEH Area:1.809424E+07 TEH Amount: 0.5771101

ERH2313 (RHMW11 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0032.RAW

B22010145-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010145-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0032.RAW  
Date & Time Acquired: 1/7/2022 6:11:21 AM  
Method File: G:\Org\HP5\Methods\D3\_OROS-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane_____ | 16.232 | .5     | .143     | 28.67 |

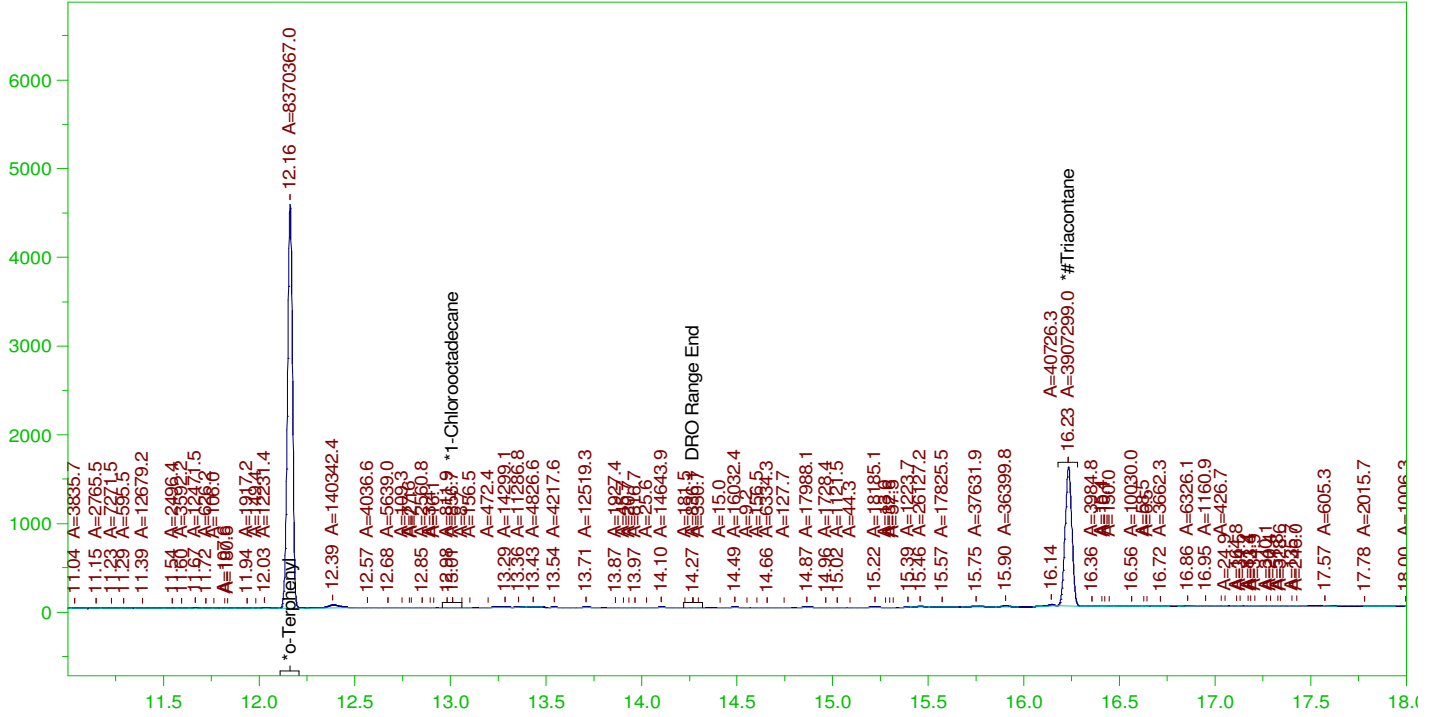
RRO Area:8704004 RRO AMOUNT: 0.3049498

ERH2313 (RHMW11 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0032.RAW

B22010145-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010145-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0032.RAW  
Date & Time Acquired: 1/7/2022 6:11:21 AM  
Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1000 Dilution: 1 S.A.: 1

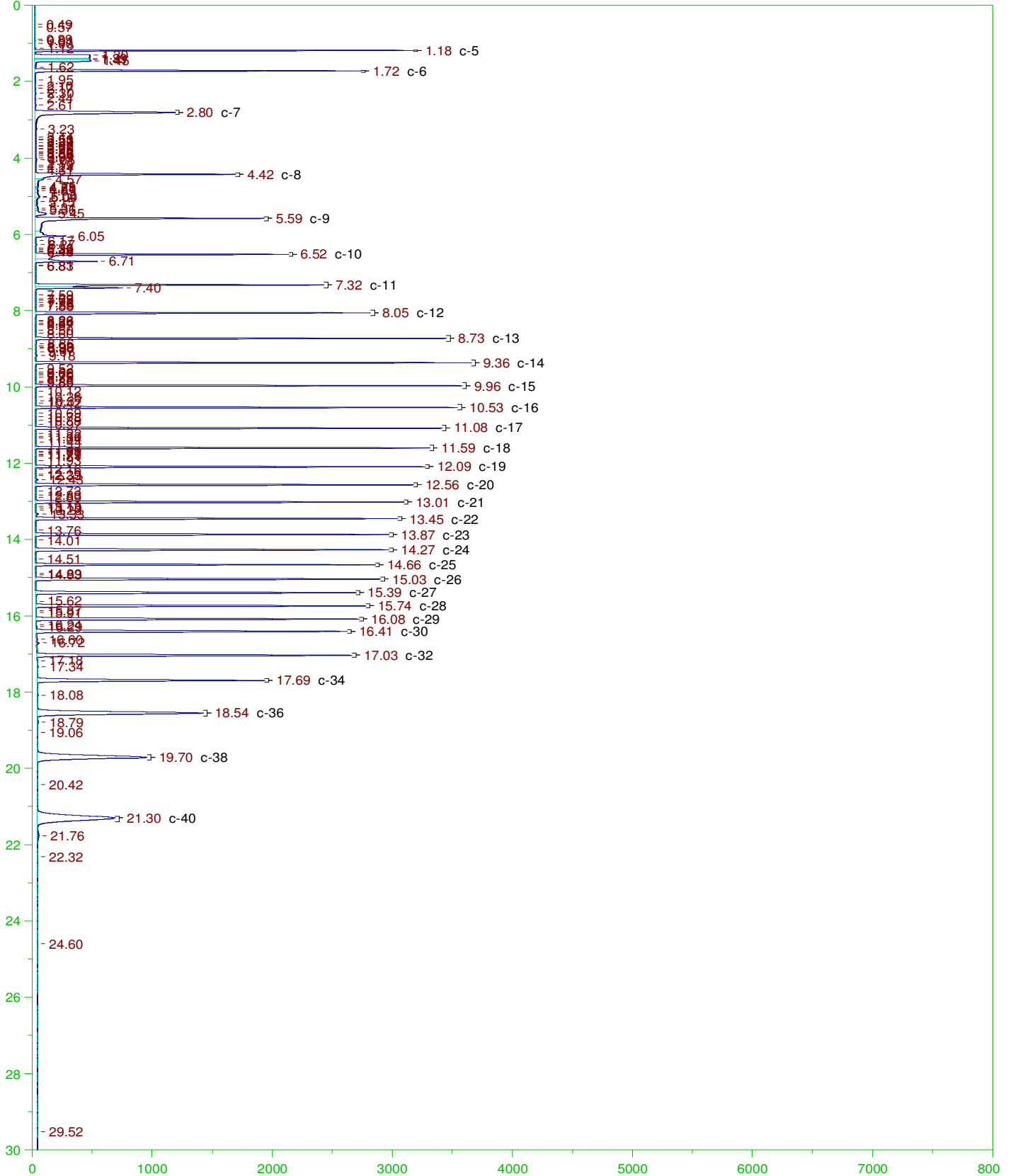
Mean RF for TEH: 31353.19

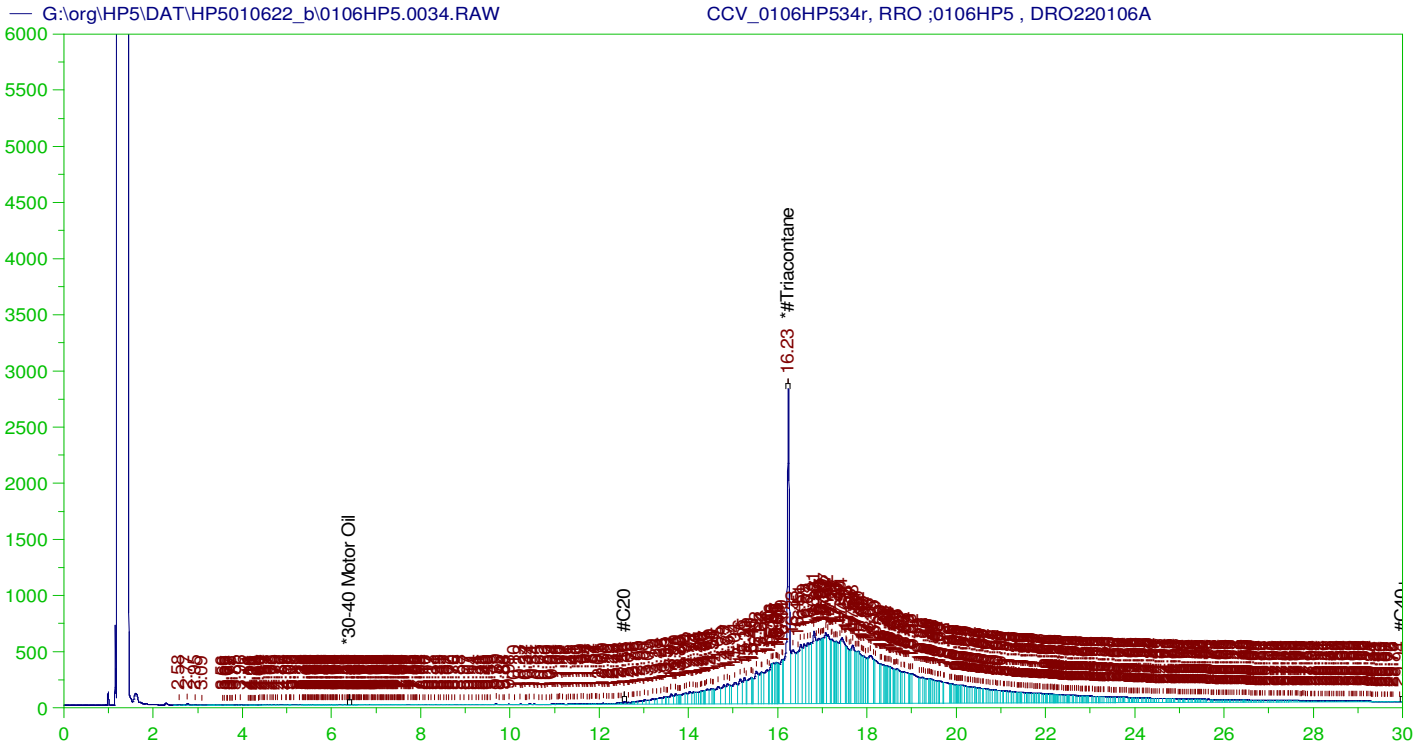
Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.163 | .2     | .236     | 117.86 |
| *1-Chlorooctadecane | 13.01  | .2     | .01      | -      |
| *#Triacontane       | 16.232 | .2     | .135     | 67.53  |

DRO Area:3469748 DRO Amount: 0.1106665  
TEH Area:6721251 TEH Amount: 0.2143721







**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP534r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0034.RAW  
 Date & Time Acquired: 1/7/2022 7:37:51 AM  
 Method File: G:\Org\HP5\Methods\DC\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.235 | 500.   | 352.686  | 70.54 | - |

~~RRO~~ TEH (Oil Range) Area:1.428132E+08 ~~RRO~~ TEH (Oil Range) AMOUNT: 5003.544

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0034.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .041          | .         | 75-125 |

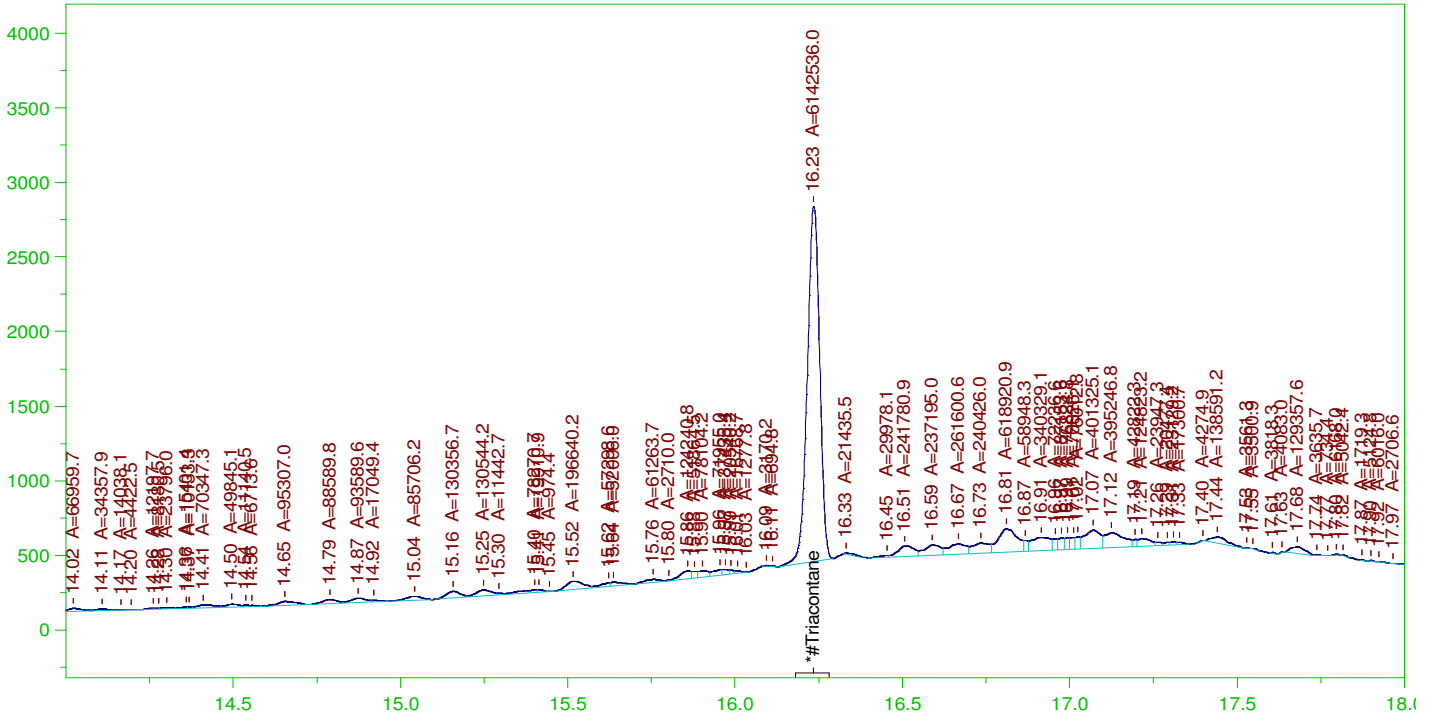
  

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.235 | 200.   | 352.686  | 176.34 | 75-125 |

AMN 01/31/2022

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0034.RAW

CCV\_0106HP534r, RRO ;0106HP5 , DRO220106A



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP534r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0034.RAW  
 Date & Time Acquired: 1/7/2022 7:37:51 AM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.235 | 500.   | 212.323  | 42.46 |

RRO Area:6466272 RRO AMOUNT: 226.5496

**CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0034.RAW**

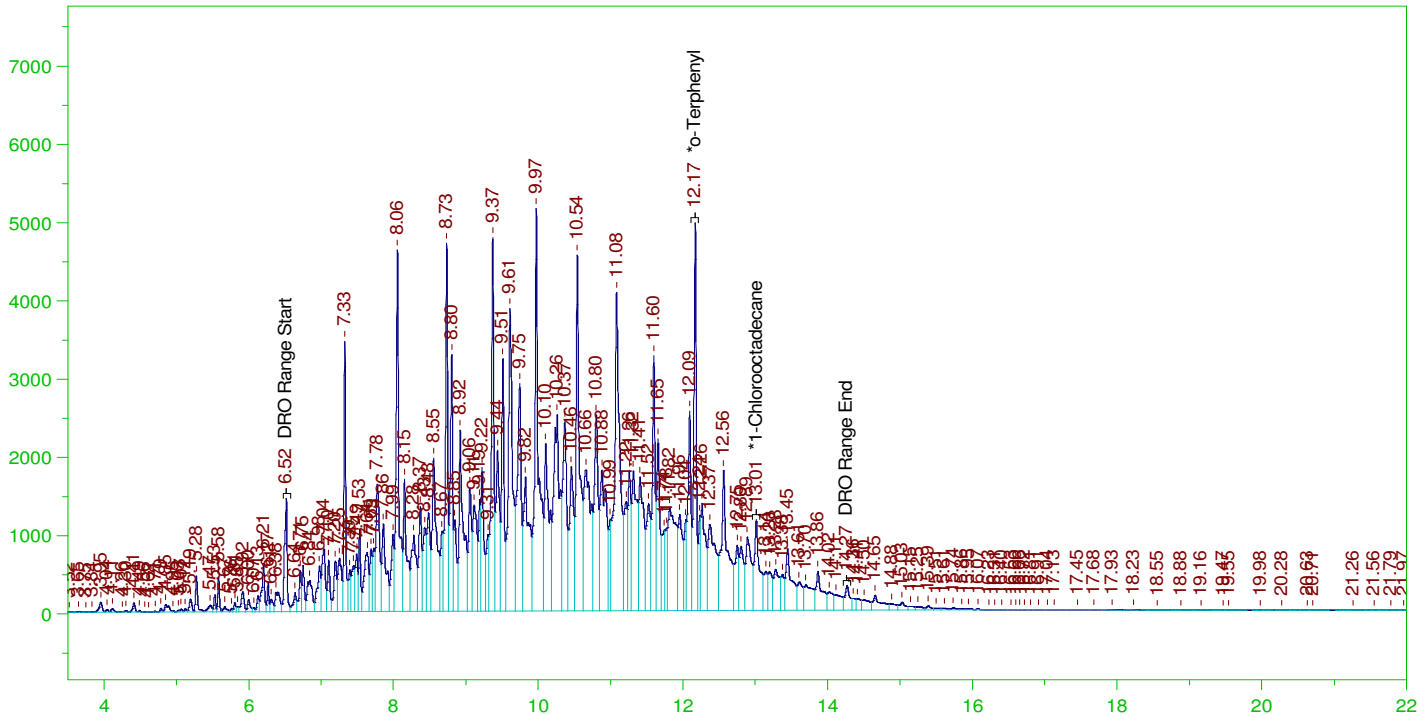
| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .041          | .         | 75-125 |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.235 | 200.   | 212.323  | 106.16 | 75-125 |

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0035.RAW

CCV\_0106HP535r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP535r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0035.RAW  
 Date & Time Acquired: 1/7/2022 8:20:50 AM  
 Method File: G:\Org\HP5\Methods\DC\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.169 | 200.   | 337.684  | 168.84 |
| *1-Chlorooctadecane | 13.013 | 200.   | 167.562  | 83.78  |

DRO Area: 4.889194E+08 DRO Amount: 15593.93  
 TEH Area: 5.068763E+08 TEH Amount: 16166.66

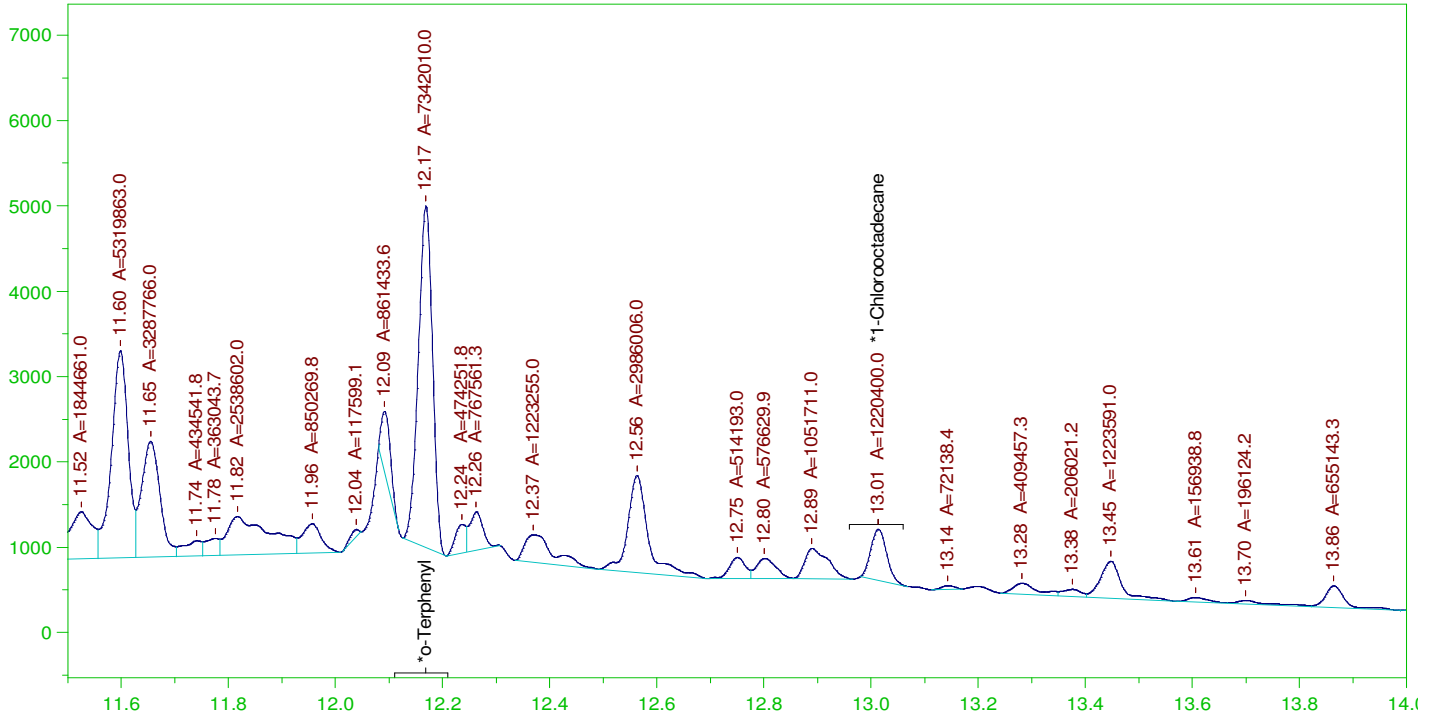
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0035.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 16166.66      | 107.78    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.169 | 200.   | 337.684  | 168.84 | 85-115 |
| *1-Chlorooctadecane | 13.013 | 200.   | 167.562  | 83.78  | 85-115 |

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0035.RAW

CCV\_0106HP535r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP535r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0035.RAW  
 Date & Time Acquired: 1/7/2022 8:20:50 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

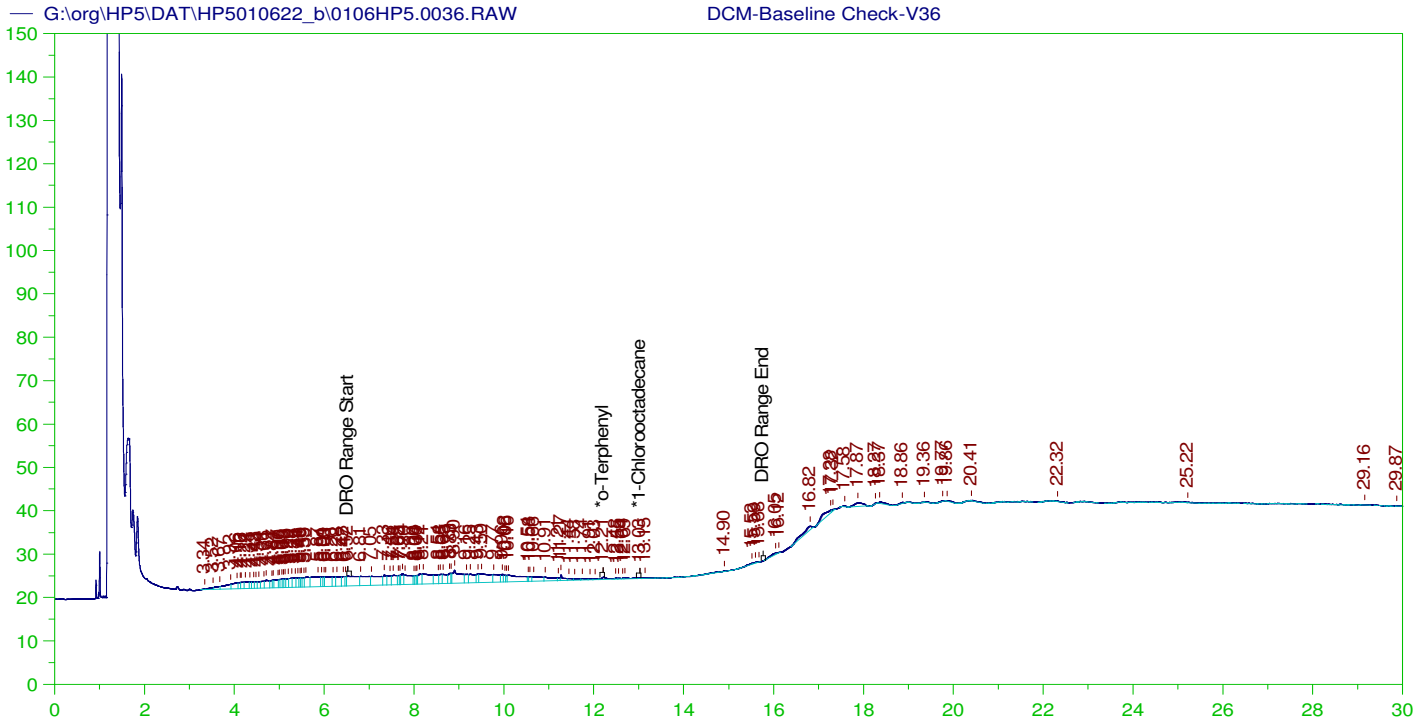
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.169 | 200.   | 206.764  | 103.38 |
| *1-Chlorooctadecane | 13.013 | 200.   | 34.369   | 17.18  |

DRO Area: 2.714112E+08 DRO Amount: 8656.574  
 TEH Area: 2.822628E+08 TEH Amount: 9002.681

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0035.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 9002.68       | 60.02     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.169 | 200.   | 206.764  | 103.38 | 85-115 |
| *1-Chlorooctadecane | 13.013 | 200.   | 34.369   | 17.18  | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V36  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0036.RAW  
 Date & Time Acquired: 1/7/2022 9:19:37 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.207 | 200.   | .156     | .08  | - |
| *1-Chlorooctadecane | 13.027 | 200.   | .02      | .01  | - |

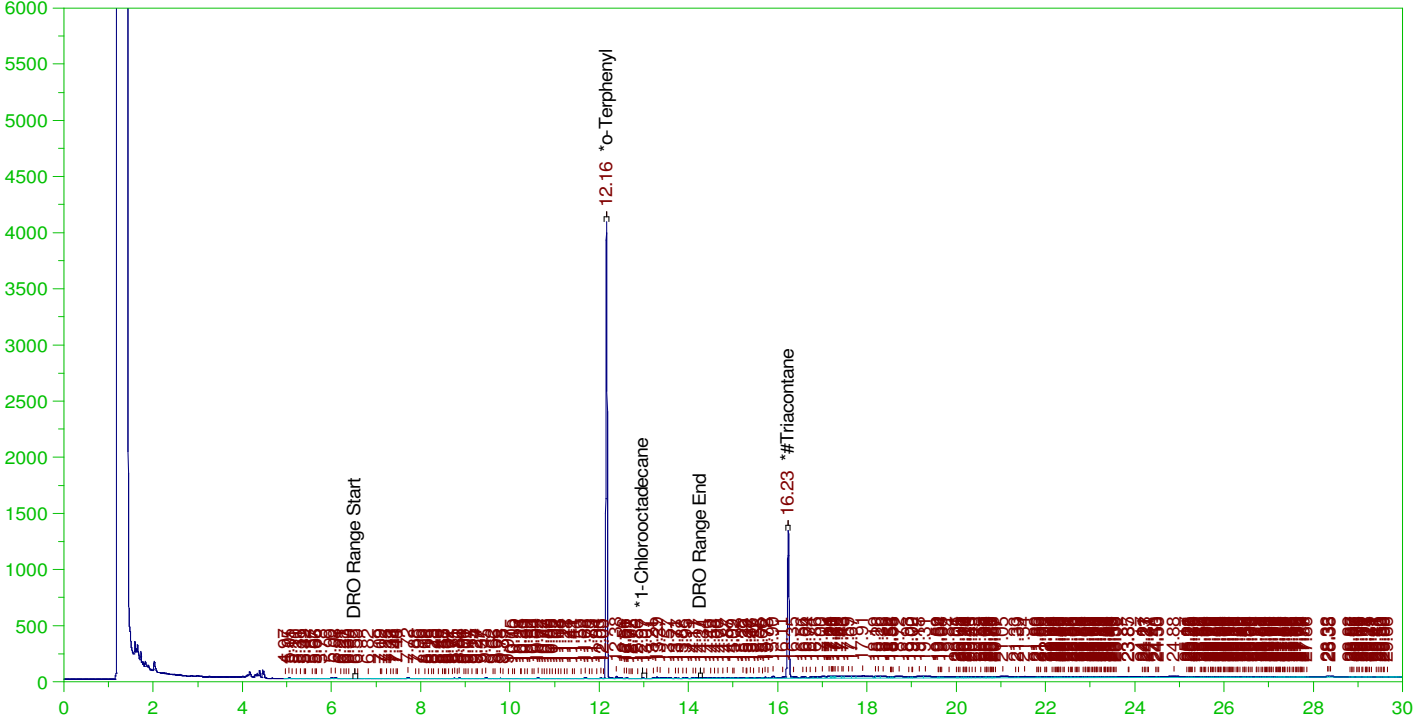
DRO Area:551078.6 DRO Amount: 17.57648  
 TEH Area:946998.7 TEH Amount: 30.20422

ERH2317 (RHMW09)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0037.RAW

Batch ID: 162703

B22010209-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010209-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0037.RAW  
Date & Time Acquired: 1/7/2022 10:02:40 AM  
Method File: G:\Org\HP5\Methods\D3\_8015-010637-IN-L%.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.163 | .192   | .206     | 107.13 | - |
| *1-Chlorooctadecane | 12.974 | .192   | .        | .18    | - |
| *#Triacontane       | 16.232 | .192   | .115     | 59.69  | - |

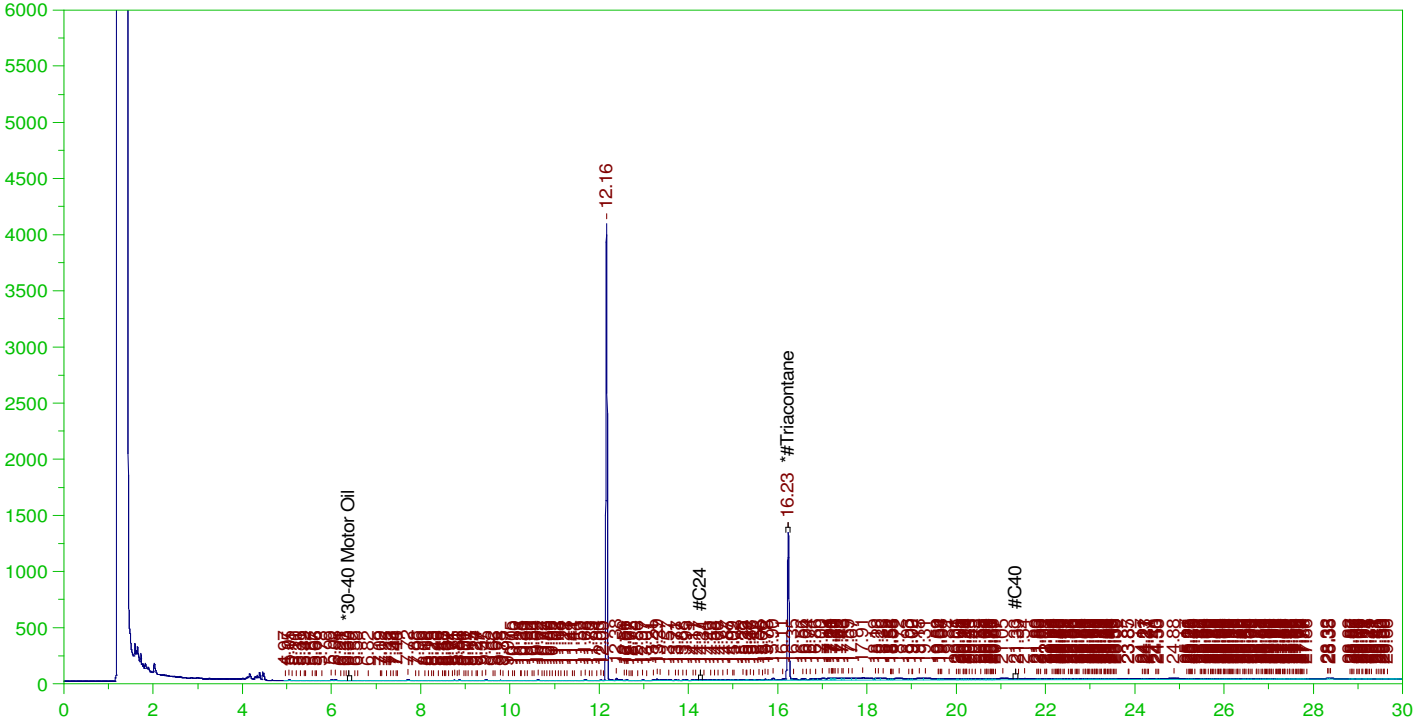
DRO Area:582541.8 DRO Amount: 1.786537E-02  
TEH Area:7499497 TEH Amount: 0.2299943

ERH2317 (RHMW09)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0037.RAW

B22010209-001D ;0106HP5 , \$HC-8015-DRO-W,



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010209-001D ;0106HP5 , \$HC-8015-DRO-W,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0037.RAW  
Date & Time Acquired: 1/7/2022 10:02:40 AM  
Method File: G:\Org\HP5\Methods\D3\_OROS-010637-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane_____ | 16.232 | .481   | .115     | 23.87 | - |

RRO Area:4271739 RRO AMOUNT: 0.1439066

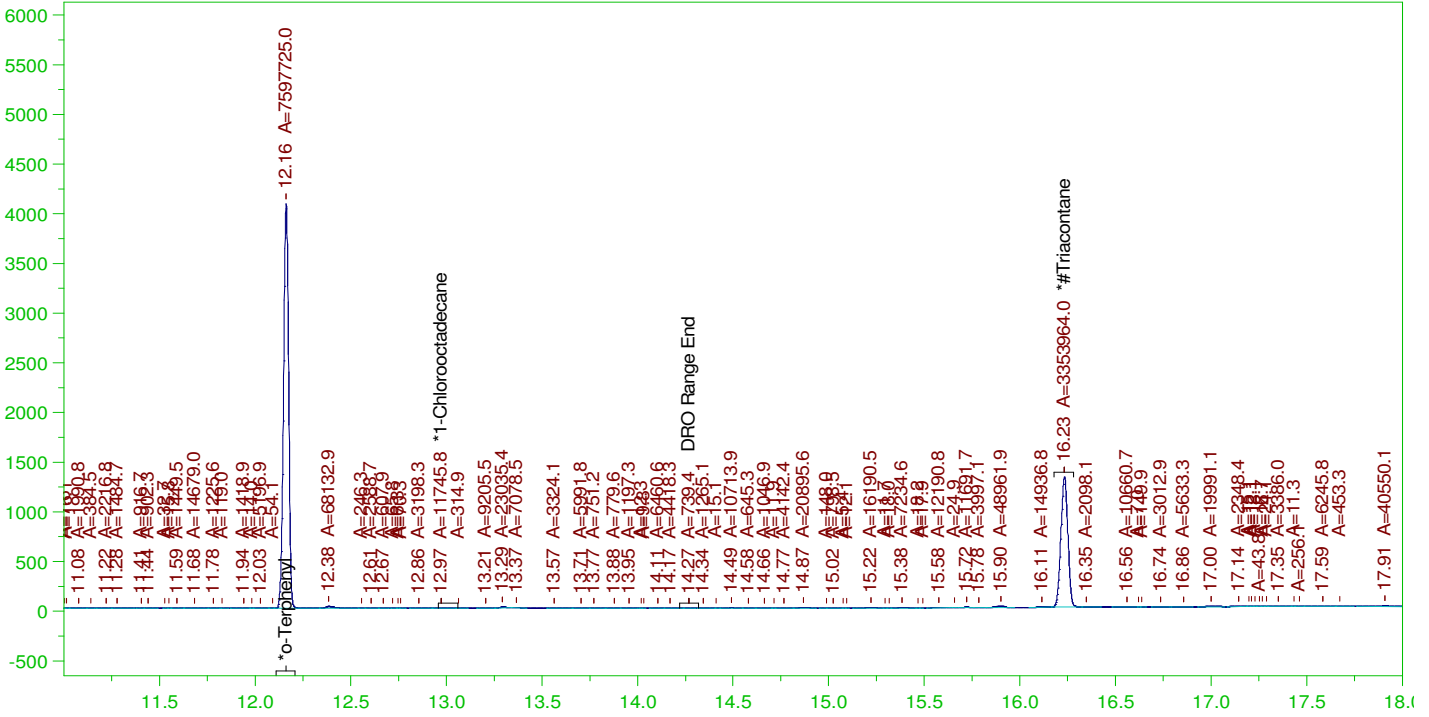


ERH2317 (RHMW09)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0037.RAW

B22010209-001D ;0106HP5 , \$HC-8015-DRO-W,



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010209-001D ;0106HP5 , \$HC-8015-DRO-W,  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0037.RAW  
 Date & Time Acquired: 1/7/2022 10:02:40 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.163 | .192   | .206     | 106.98 |
| *1-Chlorooctadecane | 12.974 | .192   | .        | .17    |
| *#Triacontane       | 16.232 | .192   | .111     | 57.97  |

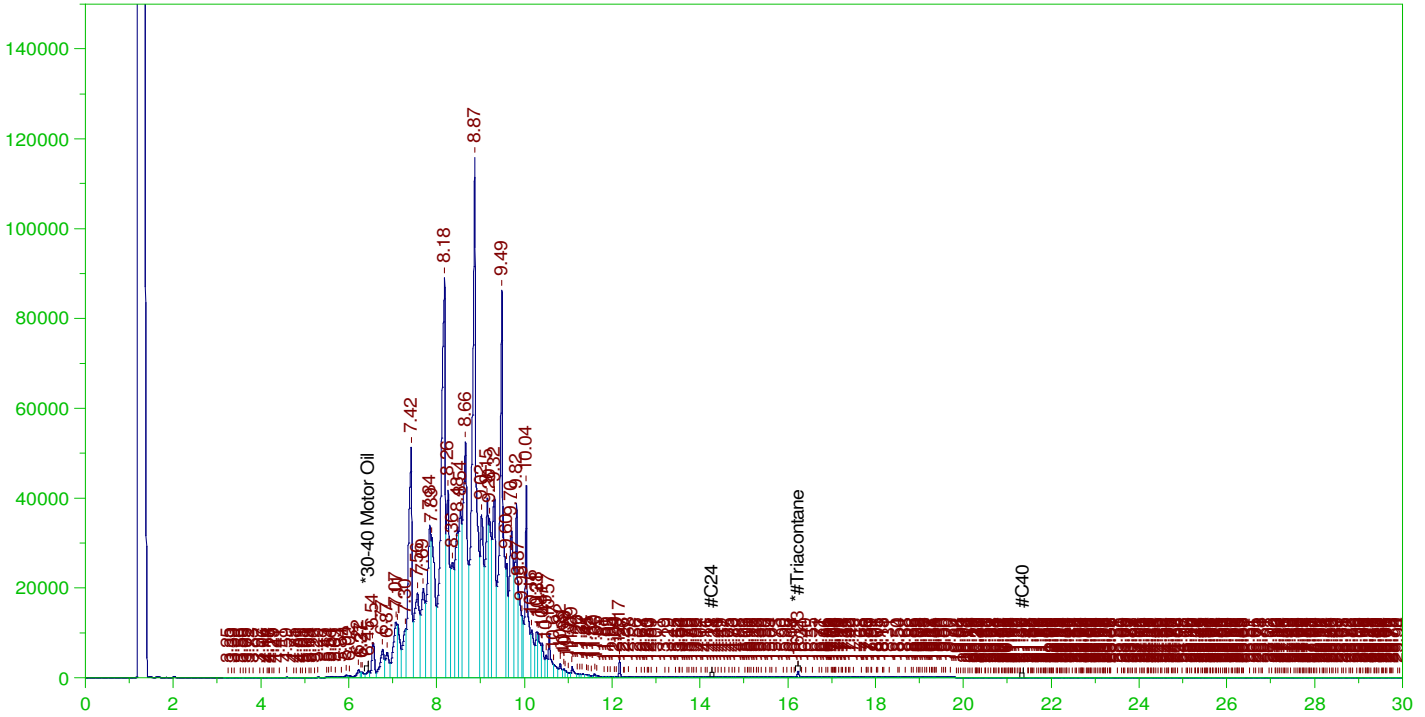
DRO Area:389687.4 DRO Amount: 1.195092E-02  
 TEH Area:1895445 TEH Amount: 5.812942E-02

ERH2336 (Sump Adit3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0038.RAW

B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, Oil range



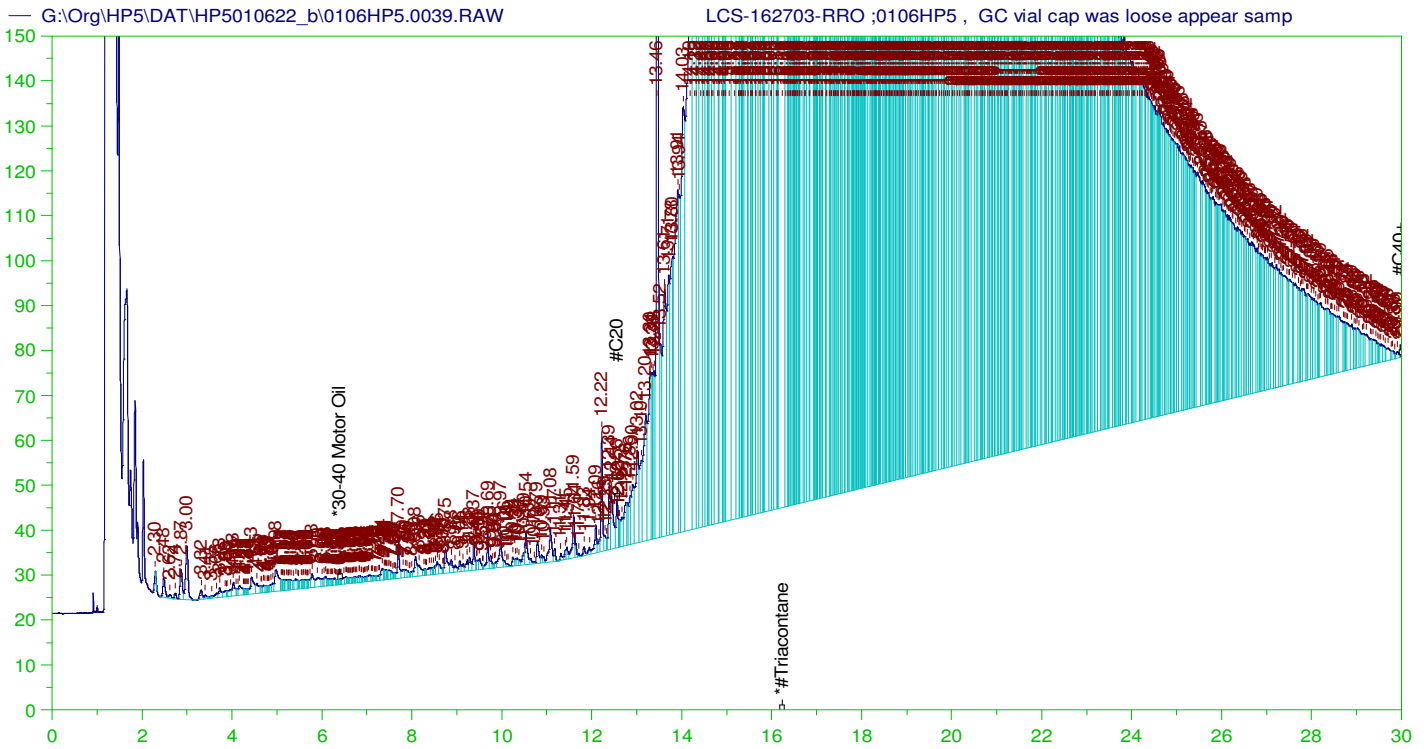
**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, Oil range  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0038.RAW  
 Date & Time Acquired: 1/7/2022 10:45:59 AM  
 Method File: G:\Org\HP5\Methods\D3\_OROS-010638-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.232 | .485   | .134     | 27.63 | - |

RRO Area:1.880398E+07 RRO AMOUNT: 0.6396197



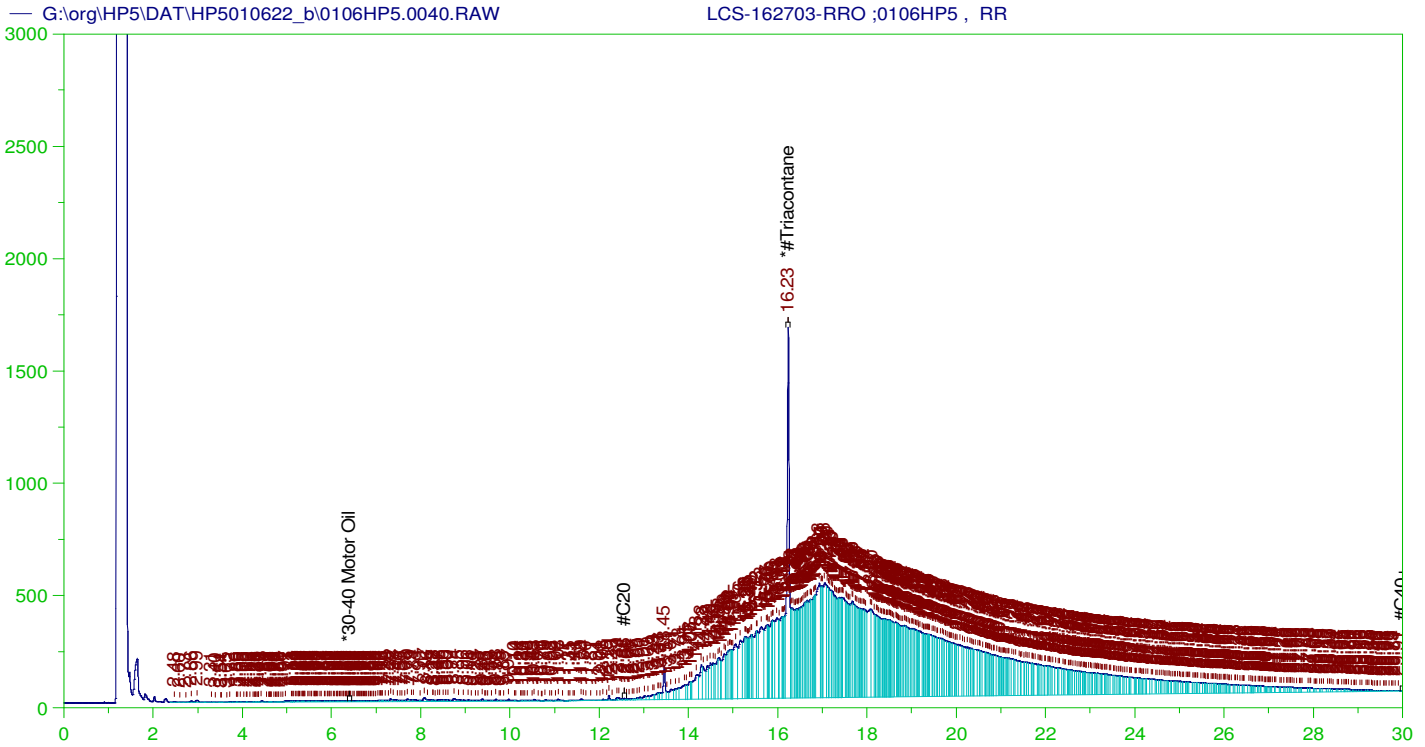
**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: LCS-162703-RRO ;0106HP5 , GC vial cap was loose appear samp  
 Raw File: G:\Org\HP5\DAT\HP5010622\_b\0106HP5.0039.RAW  
 Date & Time Acquired: 1/7/2022 11:29:11 AM  
 Method File: G:\Org\HP5\Methods\D3\_ORO-AN-L0.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane_____ | 16.236 | .5     | .27      | 54.07 | - |

RRO Area:1.782779E+08 RRO AMOUNT: 6.24607



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: LCS-162703-RRO ;0106HP5 , RR  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0040.RAW  
 Date & Time Acquired: 1/7/2022 12:16:06 PM  
 Method File: G:\Org\HP5\Methods\D3\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

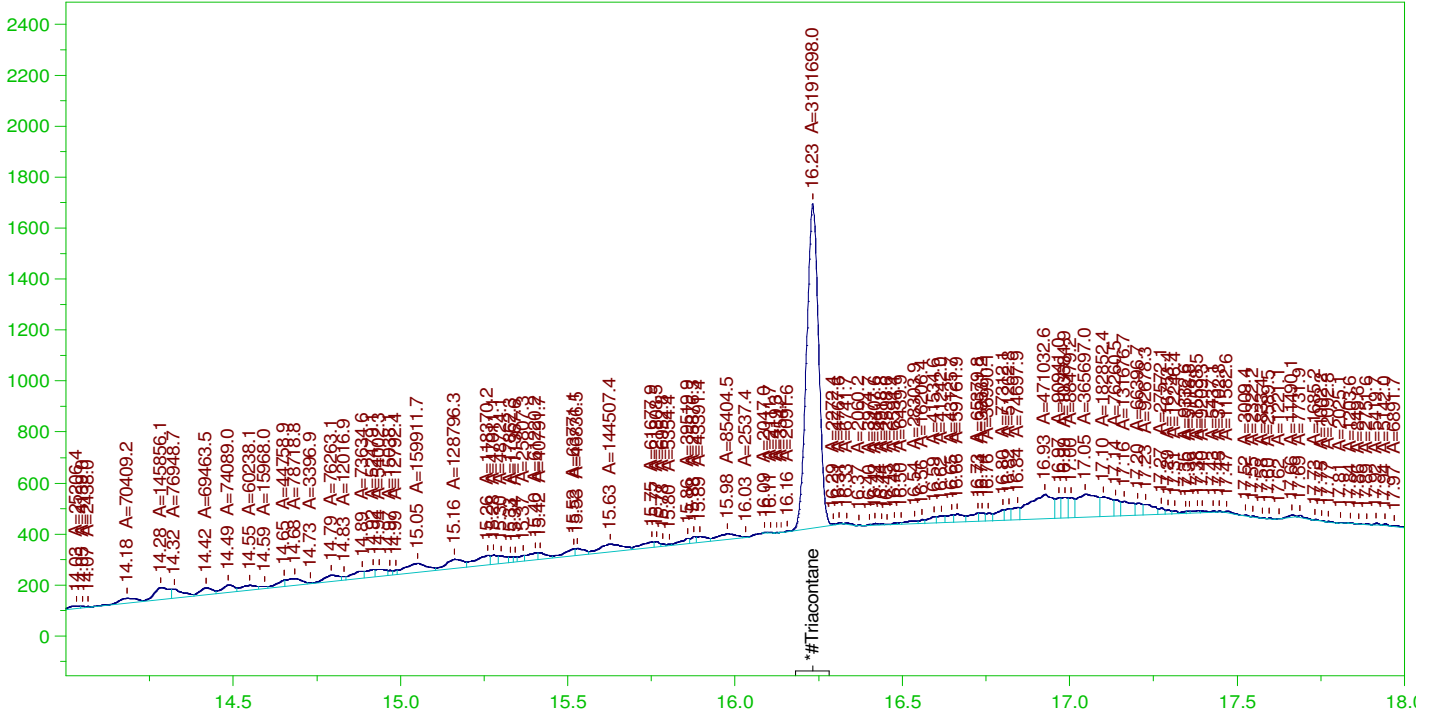
| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.232 | .5     | .209     | 41.77 |

~~RRO~~ TEH (Oil Range) Area:1.573859E+08      ~~RRO~~ TEH (Oil Range) AMOUNT: 5.514107

AMN 01/31/2022

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0040.RAW

LCS-162703-RRO ;0106HP5 , RR



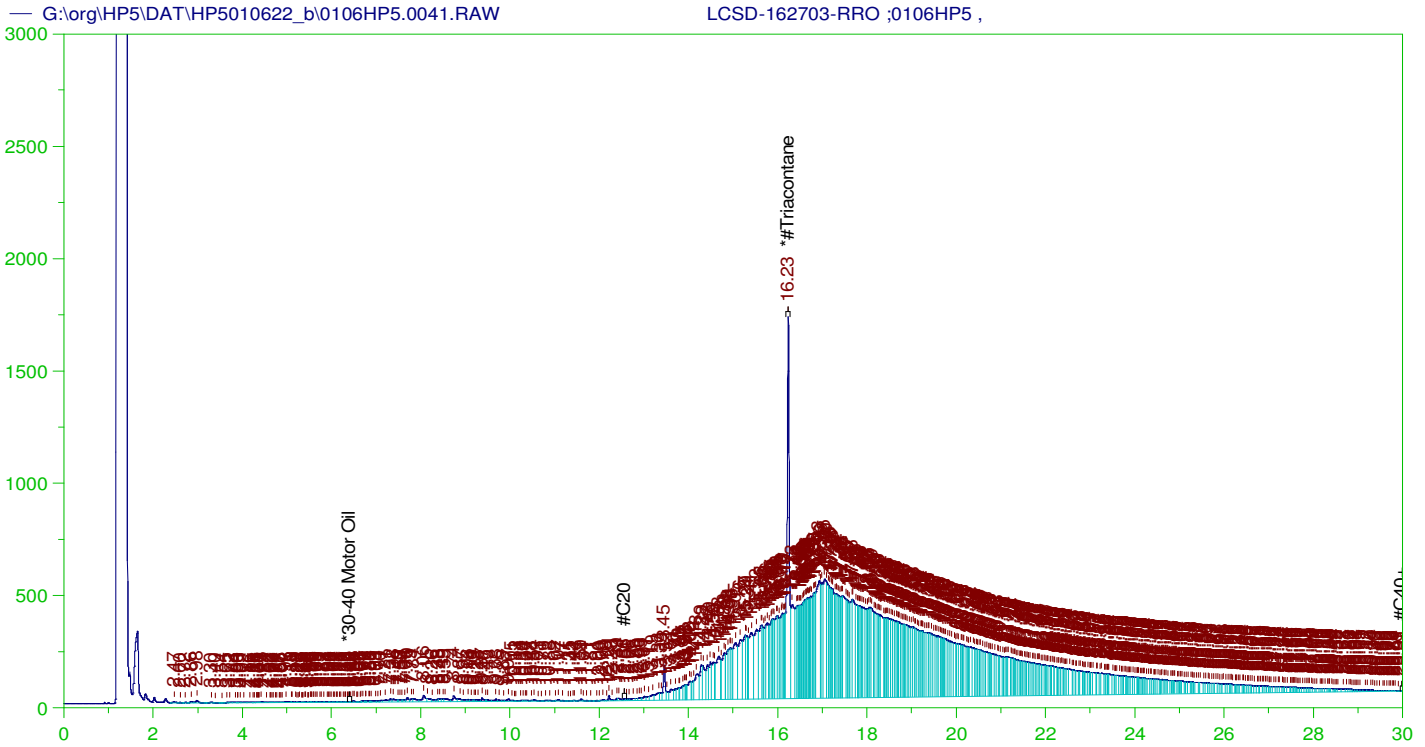
**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: LCS-162703-RRO ;0106HP5 , RR  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0040.RAW  
 Date & Time Acquired: 1/7/2022 12:16:06 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.232 | .5     | .11      | 22.06 |

RRO Area:5441502 RRO AMOUNT: 0.1906462



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: LCSD-162703-RRO ;0106HP5 ,  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0041.RAW  
 Date & Time Acquired: 1/7/2022 1:01:28 PM  
 Method File: G:\Org\HP5\Methods\D3\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

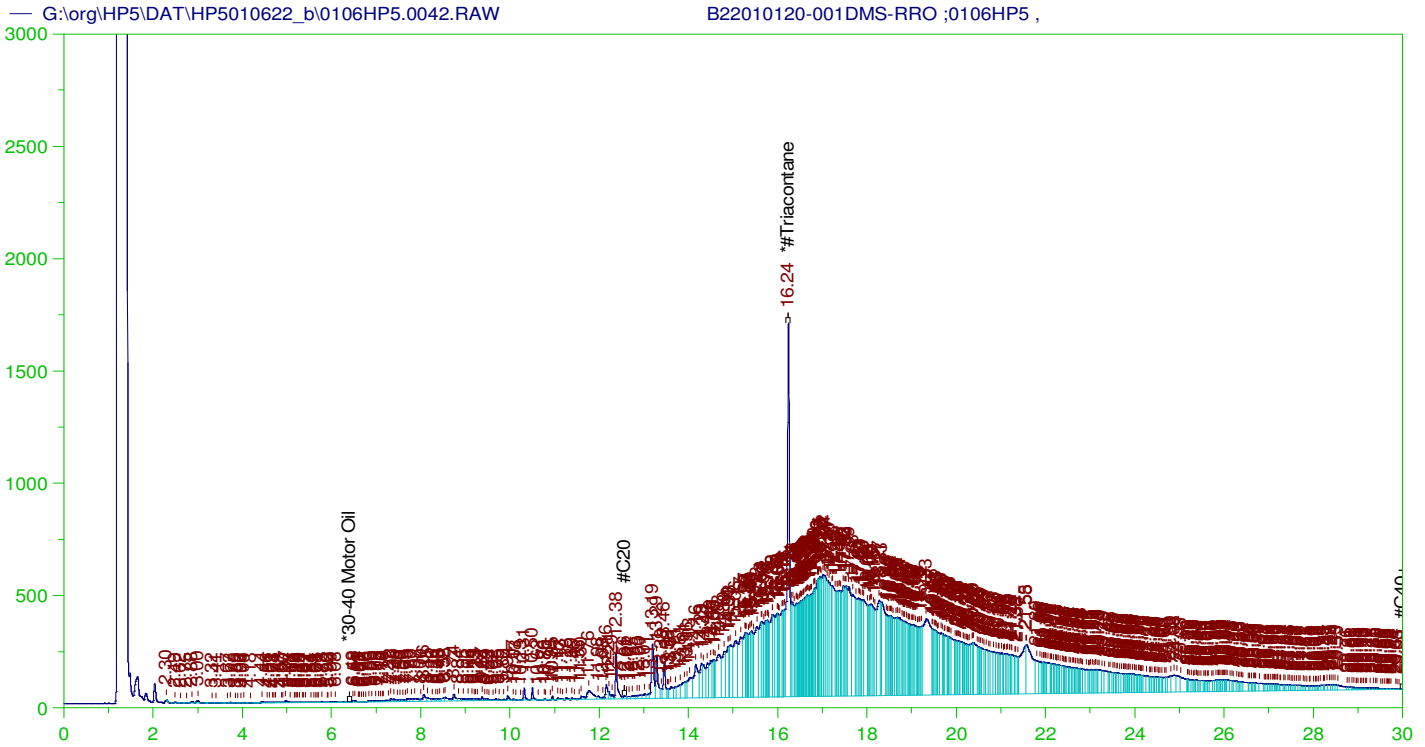
Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane_____ | 16.232 | .5     | .213     | 42.53 | - |

~~RRO~~ TEH (Oil Range) Area:1.616392E+08      ~~RRO~~ TEH (Oil Range) AMOUNT: 5.663123

AMN 01/31/2022





**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010120-001DMS-RRO ;0106HP5 ,  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0042.RAW  
 Date & Time Acquired: 1/7/2022 1:44:11 PM  
 Method File: G:\Org\HP5\Methods\D3\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.237 | .485   | .209     | 43.07 | - |

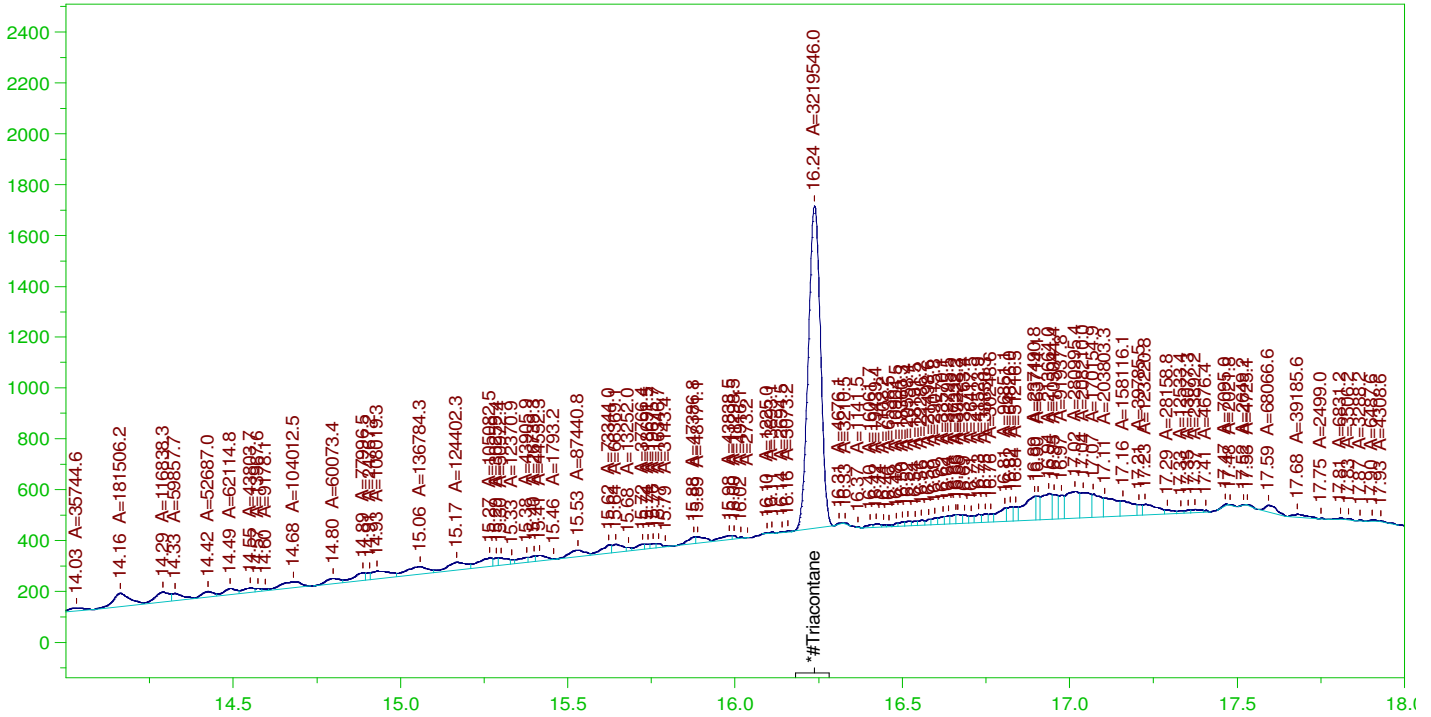
~~RRO~~ TEH (Oil Range) Area:1.702661E+08 ~~RRO~~ TEH (Oil Range) AMOUNT: 5.791624

AMN 01/31/2022



G:\org\HP5\DAT\HP5010622\_b\0106HP5.0042.RAW

B22010120-001DMS-RRO ;0106HP5 ,



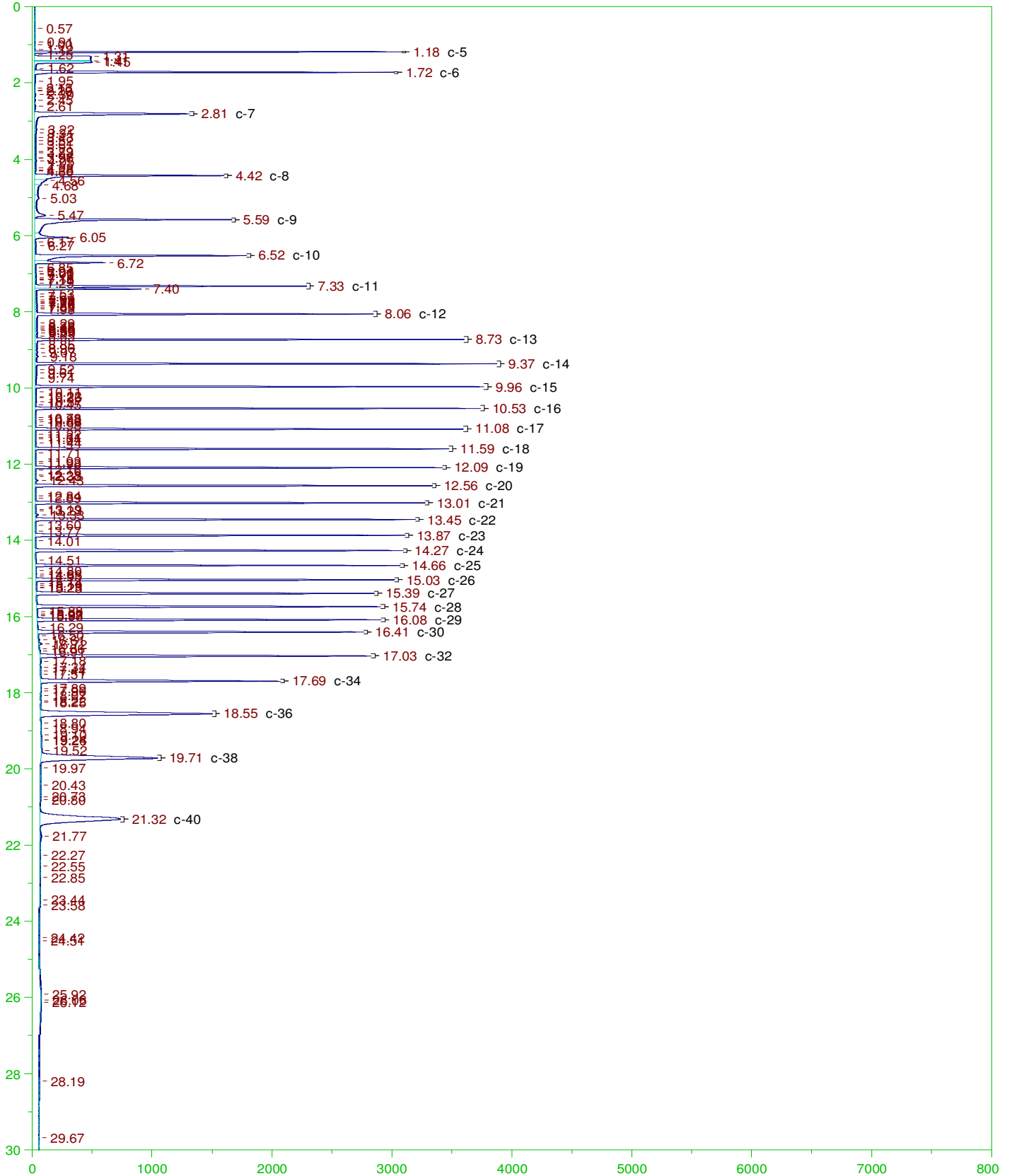
**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

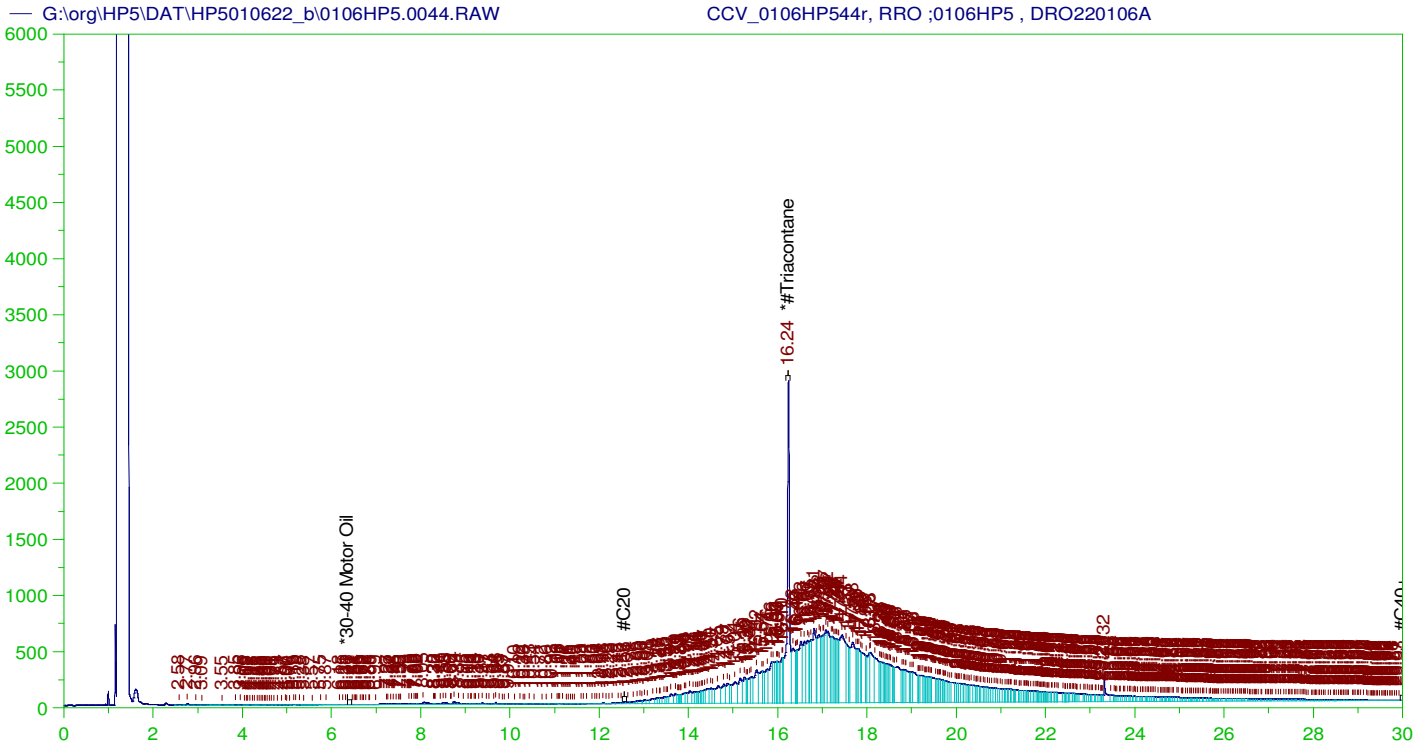
Sample Name: B22010120-001DMS-RRO ;0106HP5 ,  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0042.RAW  
Date & Time Acquired: 1/7/2022 1:44:11 PM  
Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.237 | .485   | .108     | 22.26 |

RRO Area:7172832 RRO AMOUNT: 0.2439848





**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP544r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0044.RAW  
 Date & Time Acquired: 1/7/2022 3:09:41 PM  
 Method File: G:\Org\HP5\Methods\DC\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.237 | 500.   | 367.796  | 73.56 | - |

~~RRO~~ TEH (Oil Range) Area:1.495368E+08 ~~RRO~~ TEH (Oil Range) AMOUNT: 5239.109

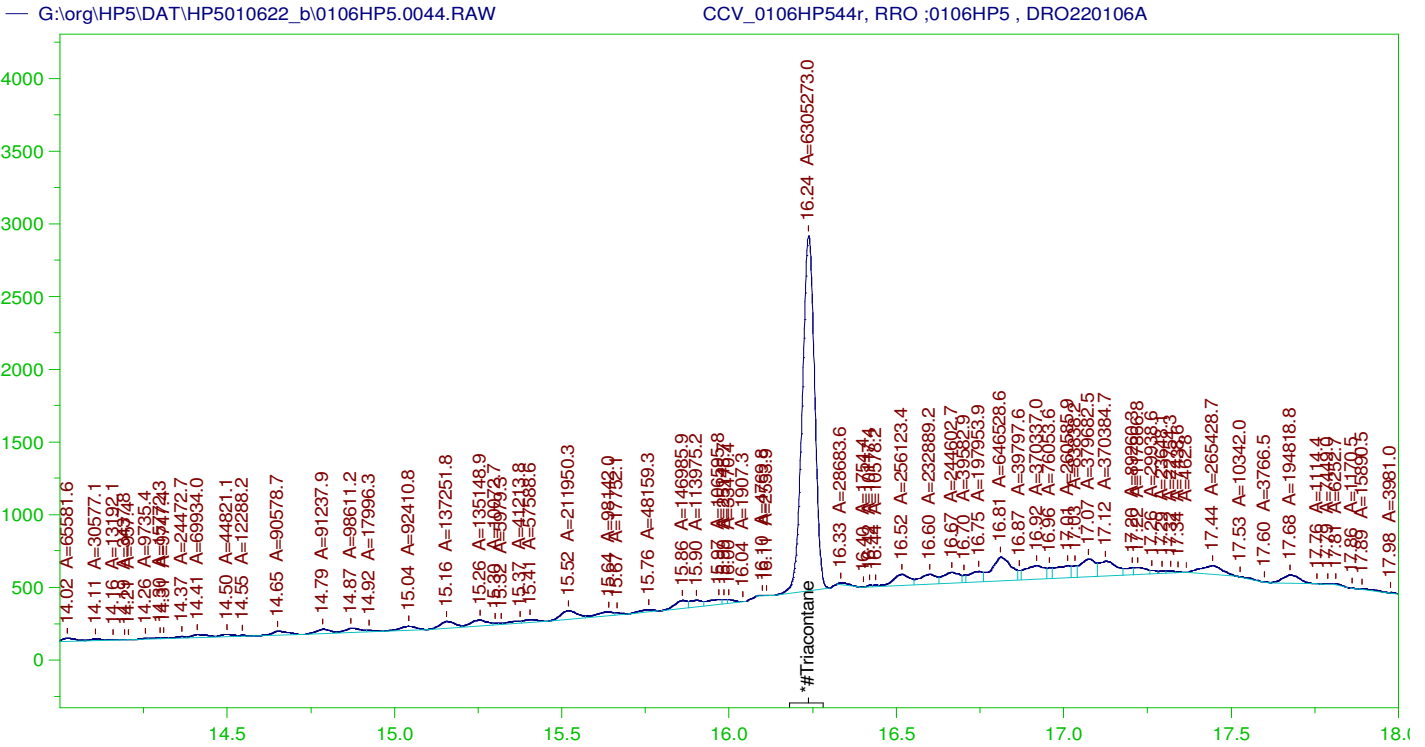
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0044.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .071          | .         | 75-125 |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|--------------------|--------|--------|----------|-------|--------|
| *#Triacontane      | 16.237 | 200.   | 367.796  | 183.9 | 75-125 |

AMN 01/31/2022



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP544r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0044.RAW  
 Date & Time Acquired: 1/7/2022 3:09:41 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.237 | 500.   | 217.948  | 43.59 |

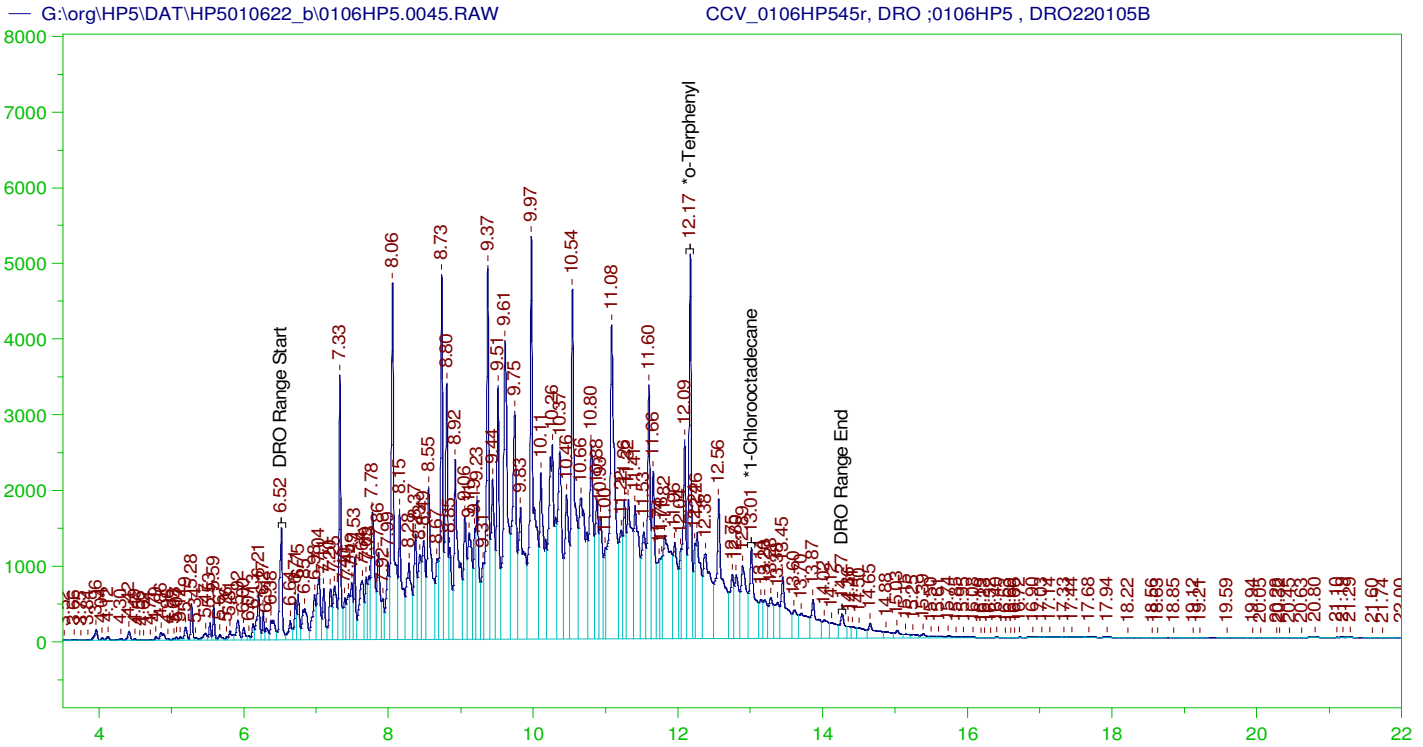
RRO Area:6993164 RRO AMOUNT: 245.0096

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0044.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .071          | .         | 75-125 |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.237 | 200.   | 217.948  | 108.97 | 75-125 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP545r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0045.RAW  
 Date & Time Acquired: 1/7/2022 3:52:32 PM  
 Method File: G:\Org\HP5\Methods\DC\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.169 | 200.   | 349.392  | 174.7 |
| *1-Chlorooctadecane | 13.015 | 200.   | 175.375  | 87.69 |

DRO Area: 5.03542E+08 DRO Amount: 16060.31  
 TEH Area: 5.216117E+08 TEH Amount: 16636.64

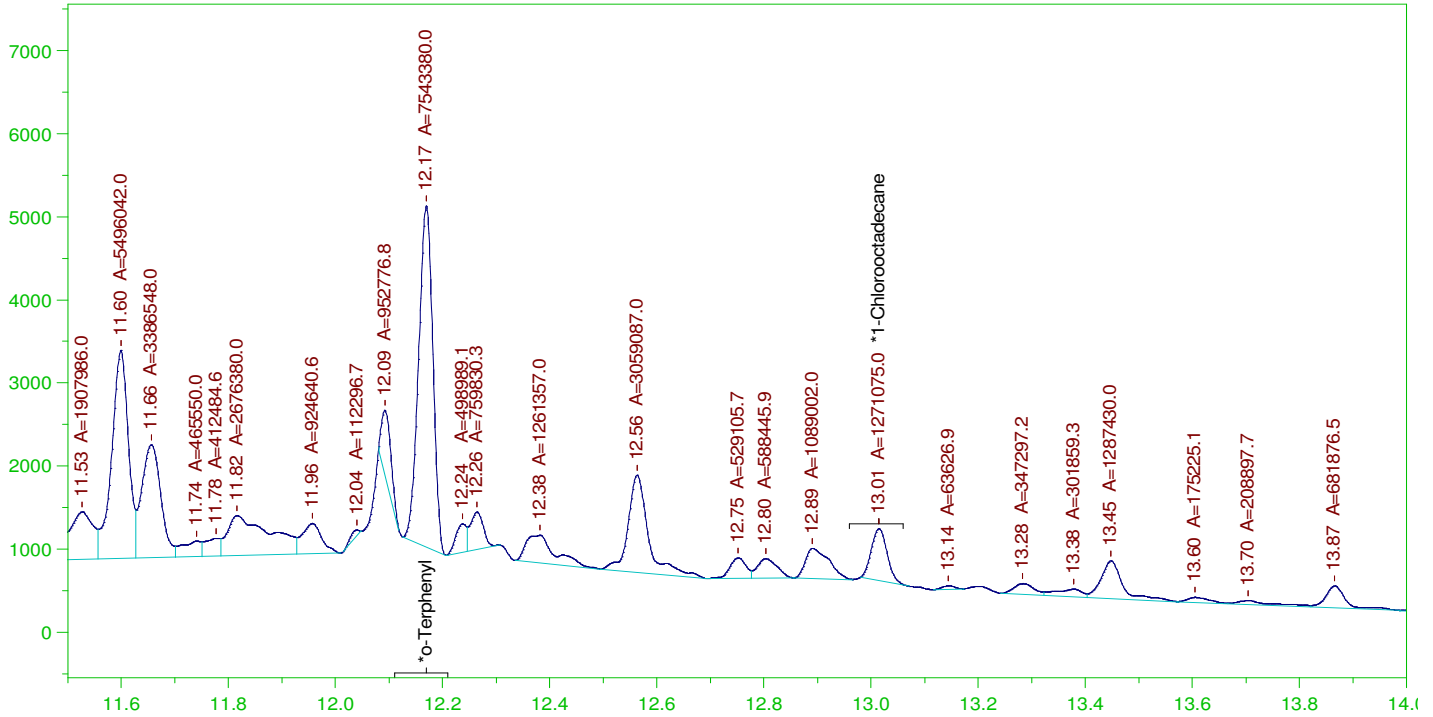
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0045.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 16636.64      | 110.91    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|---------------------|--------|--------|----------|-------|--------|
| *o-Terphenyl        | 12.169 | 200.   | 349.392  | 174.7 | 85-115 |
| *1-Chlorooctadecane | 13.015 | 200.   | 175.375  | 87.69 | 85-115 |

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0045.RAW

CCV\_0106HP545r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP545r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0045.RAW  
 Date & Time Acquired: 1/7/2022 3:52:32 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

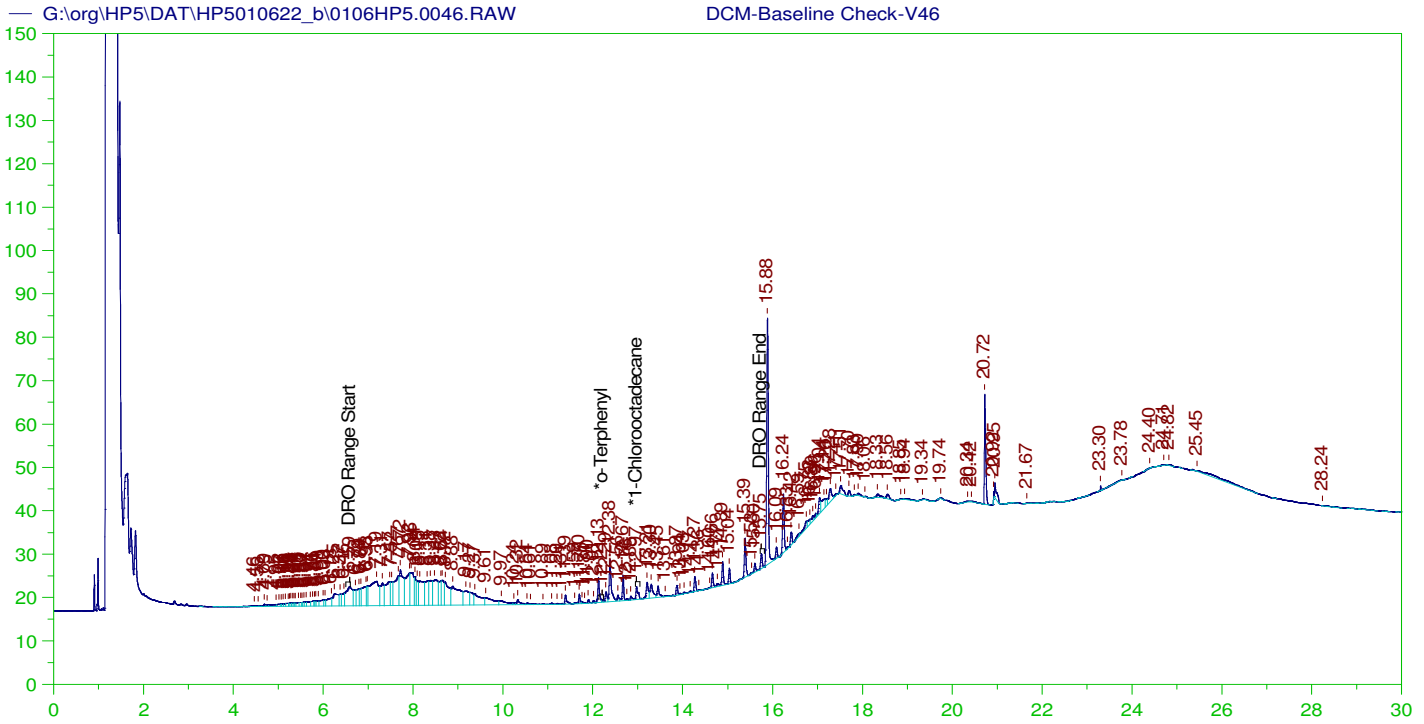
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.169 | 200.   | 212.435  | 106.22 |
| *1-Chlorooctadecane | 13.015 | 200.   | 35.796   | 17.9   |

DRO Area: 2.819767E+08 DRO Amount: 8993.556  
 TEH Area: 2.93054E+08 TEH Amount: 9346.863

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0045.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 9346.86       | 62.31     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.169 | 200.   | 212.435  | 106.22 | 85-115 |
| *1-Chlorooctadecane | 13.015 | 200.   | 35.796   | 17.9   | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V46  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0046.RAW  
 Date & Time Acquired: 1/7/2022 4:37:10 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

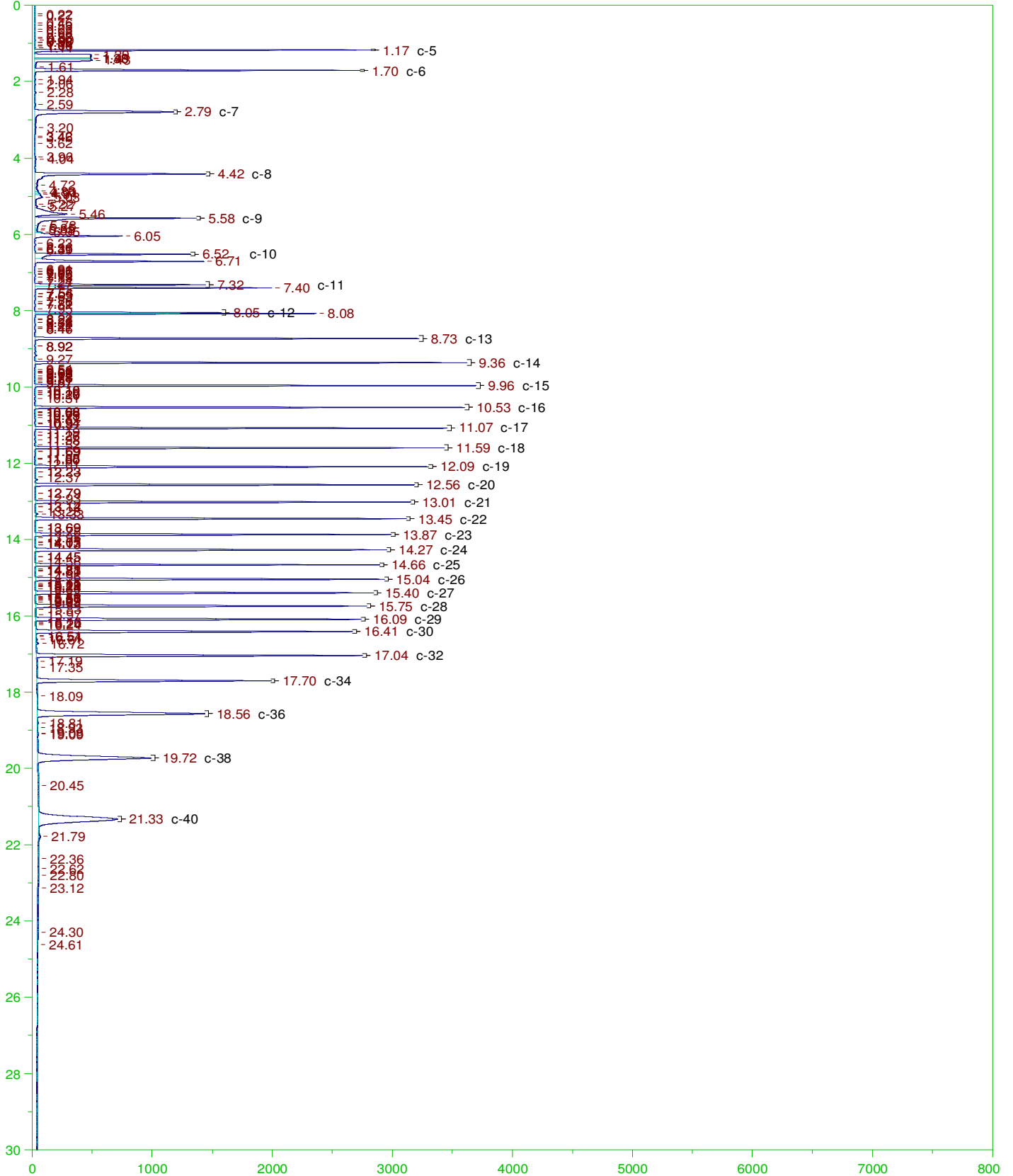
Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

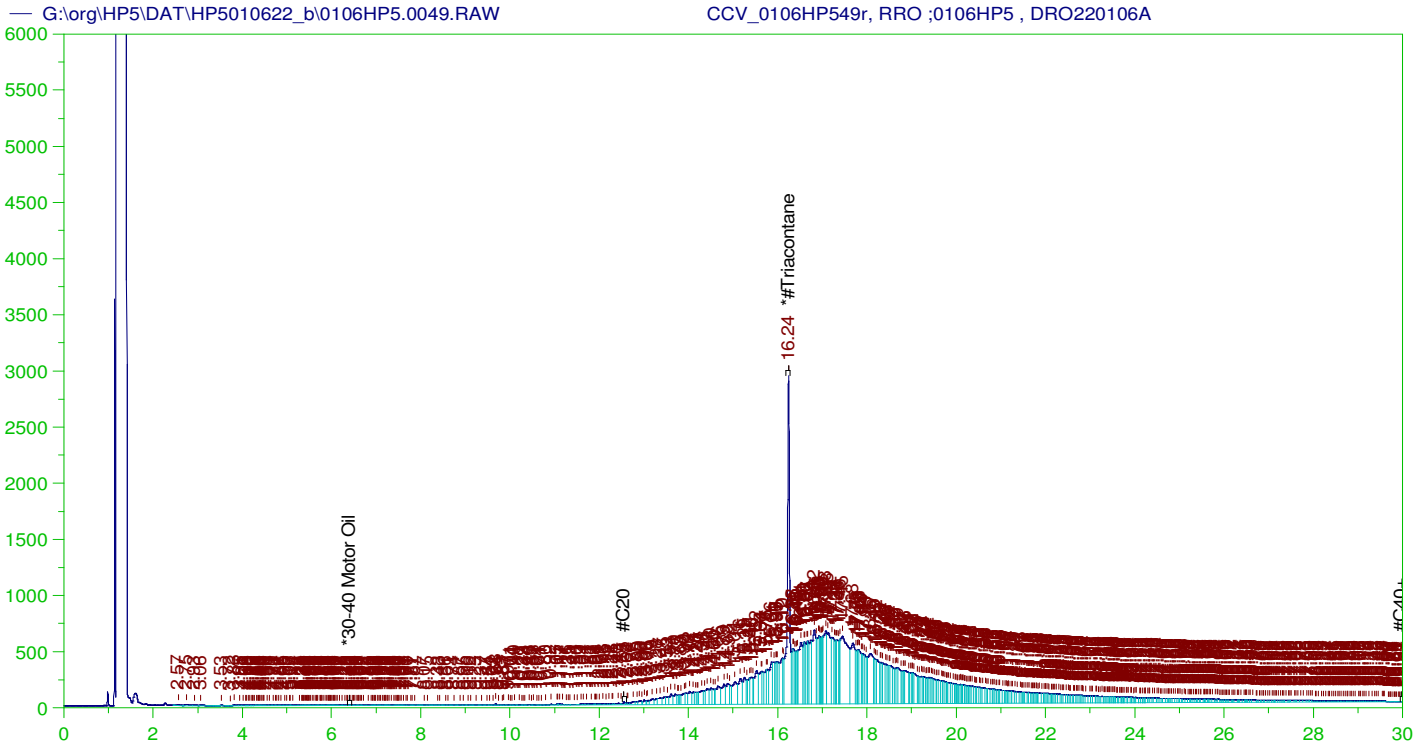
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.208 | 200.   | .041     | .02  | - |
| *1-Chlorooctadecane | 12.974 | 200.   | .27      | .13  | - |

DRO Area:1148378 DRO Amount: 36.62715  
 TEH Area:1680630 TEH Amount: 53.60316









**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP549r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0049.RAW  
 Date & Time Acquired: 1/7/2022 6:48:53 PM  
 Method File: G:\Org\HP5\Methods\DC\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.239 | 500.   | 369.24   | 73.85 | - |

RRO TEH (Oil Range) Area:1.490298E+08 RRO TEH (Oil Range) AMOUNT: 5221.345

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0049.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .02           | .         | 75-125 |

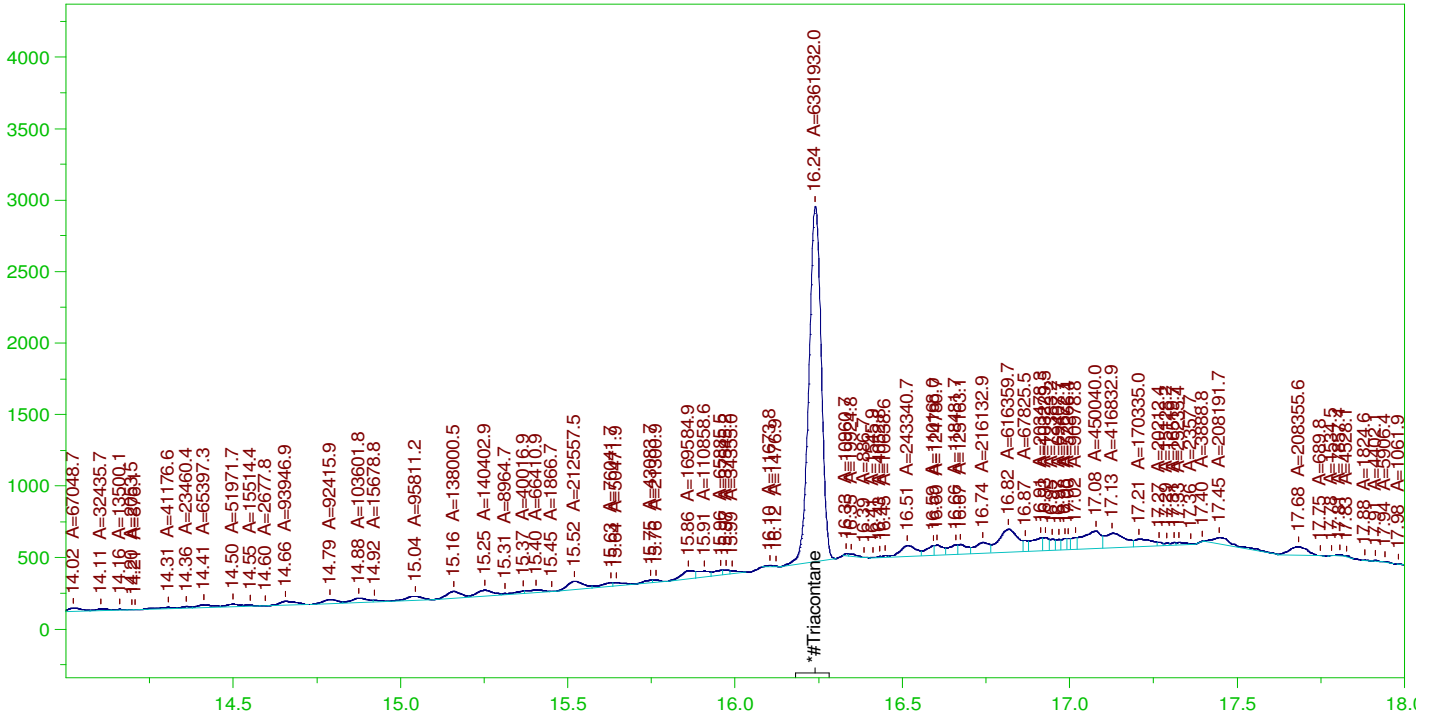
  

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.239 | 200.   | 369.24   | 184.62 | 75-125 |

AMN 01/31/2022

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0049.RAW

CCV\_0106HP549r, RRO ;0106HP5 , DRO220106A



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP549r, RRO ;0106HP5 , DRO220106A  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0049.RAW  
Date & Time Acquired: 1/7/2022 6:48:53 PM  
Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.239 | 500.   | 219.907  | 43.98 |

RRO Area:6751741 RRO AMOUNT: 236.5512

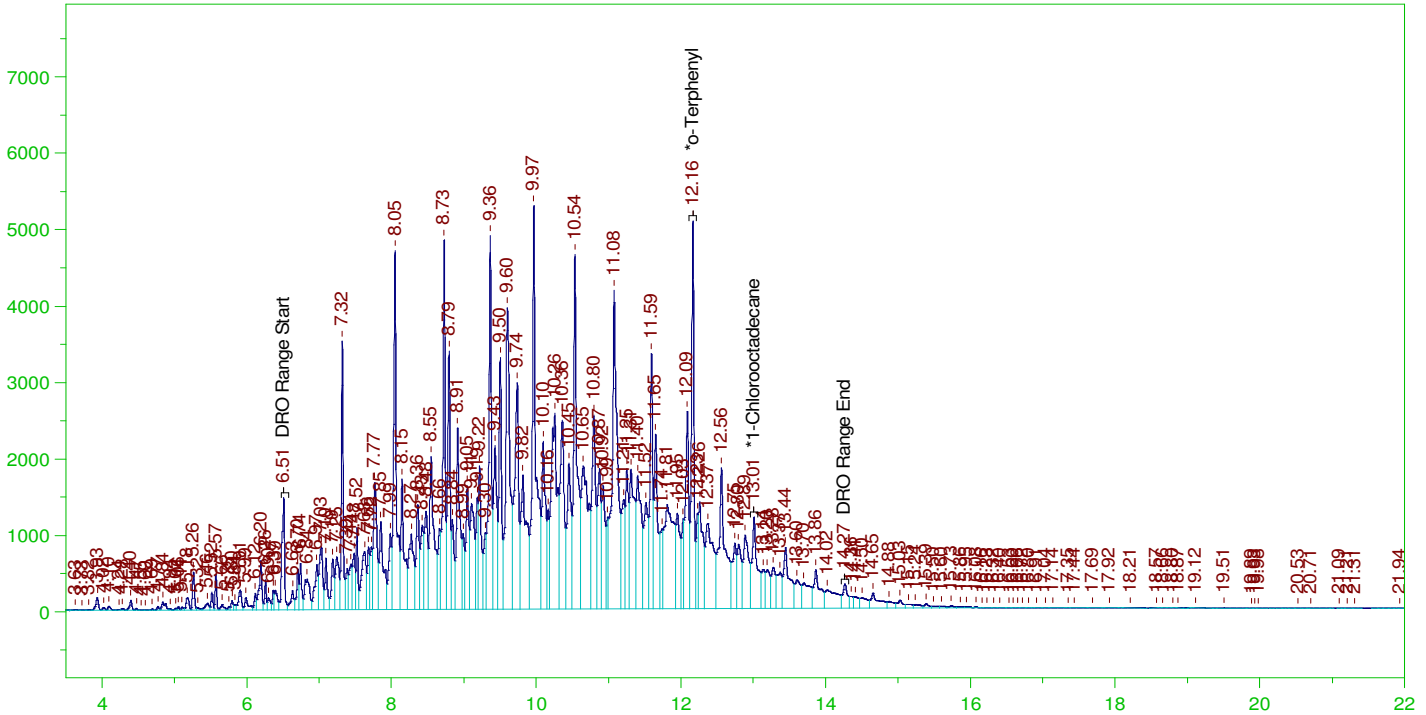
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0049.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .02           | .         | 75-125 |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.239 | 200.   | 219.907  | 109.95 | 75-125 |

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0050.RAW

CCV\_0106HP550r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP550r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0050.RAW  
 Date & Time Acquired: 1/7/2022 7:32:37 PM  
 Method File: G:\Org\HP5\Methods\DC\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC    |
|---------------------|--------|--------|----------|---------|
| *o-Terphenyl        | 12.163 | 200.   | 346.005  | 173. -  |
| *1-Chlorooctadecane | 13.01  | 200.   | 176.586  | 88.29 - |

DRO Area: 4.991253E+08 DRO Amount: 15919.44  
 TEH Area: 5.173263E+08 TEH Amount: 16499.96

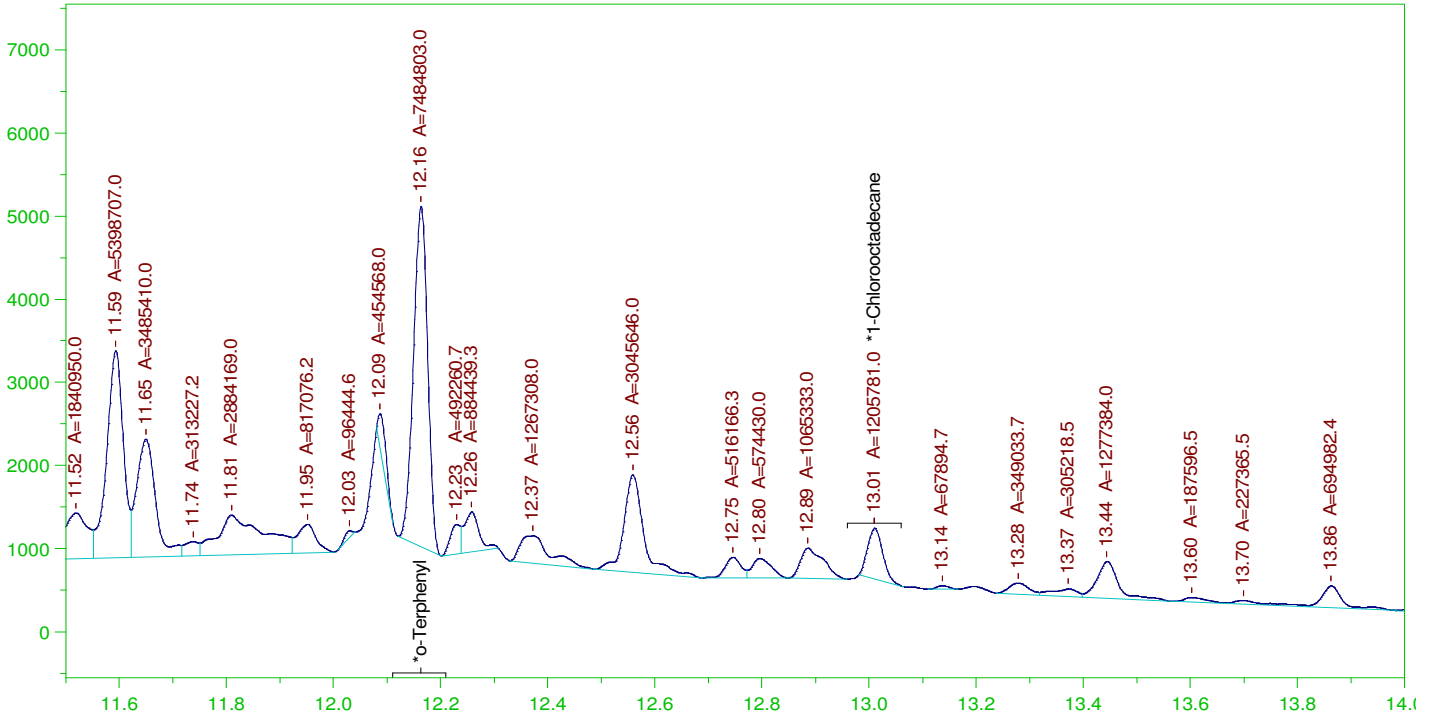
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0050.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 16499.96      | 110.      | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|---------------------|--------|--------|----------|-------|--------|
| *o-Terphenyl        | 12.163 | 200.   | 346.005  | 173.  | 85-115 |
| *1-Chlorooctadecane | 13.01  | 200.   | 176.586  | 88.29 | 85-115 |

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0050.RAW

CCV\_0106HP550r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP550r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0050.RAW  
 Date & Time Acquired: 1/7/2022 7:32:37 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

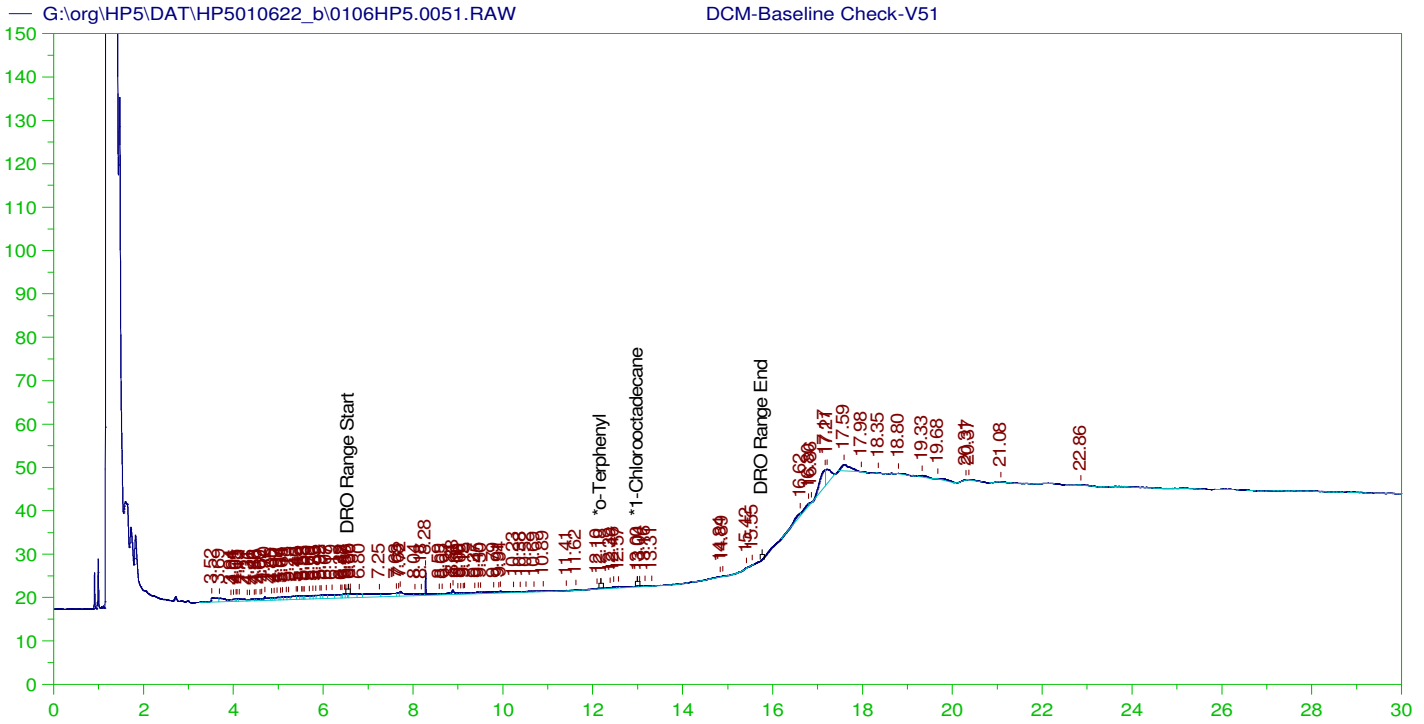
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.163 | 200.   | 210.785  | 105.39 |
| *1-Chlorooctadecane | 13.01  | 200.   | 33.957   | 16.98  |

DRO Area: 2.761939E+08 DRO Amount: 8809.114  
 TEH Area: 2.874056E+08 TEH Amount: 9166.709

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0050.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 9166.71       | 61.11     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.163 | 200.   | 210.785  | 105.39 | 85-115 |
| *1-Chlorooctadecane | 13.01  | 200.   | 33.957   | 16.98  | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V51  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0051.RAW  
 Date & Time Acquired: 1/7/2022 8:16:23 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

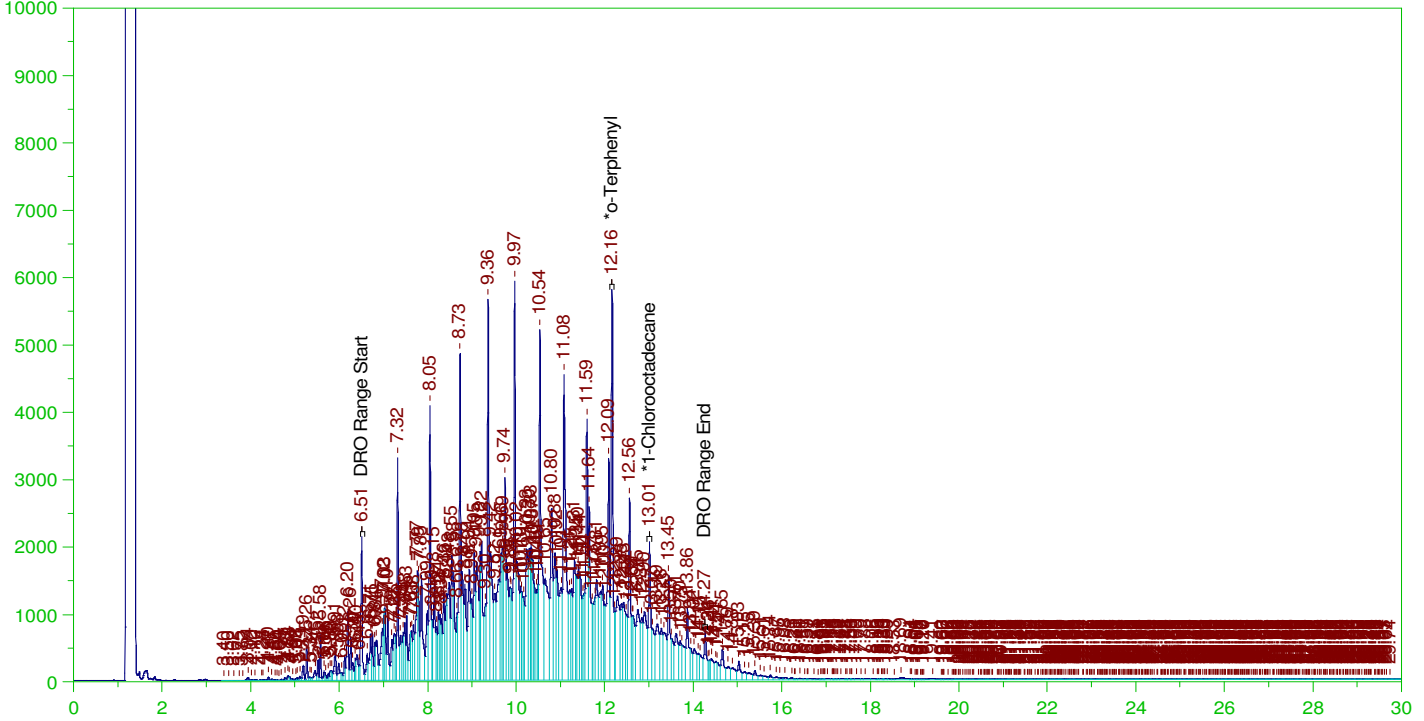
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.177 | 200.   | .023     | .01  | - |
| *1-Chlorooctadecane | 12.997 | 200.   | .033     | .02  | - |

DRO Area:123830.9 DRO Amount: 3.949546  
 TEH Area:367619.8 TEH Amount: 11.72511

Batch ID: 162703

LCS-162703 ;0106HP5 , SGT

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0052.RAW



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: LCS-162703 ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0052.RAW  
 Date & Time Acquired: 1/7/2022 9:00:15 PM  
 Method File: G:\Org\HP5\Methods\D3\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

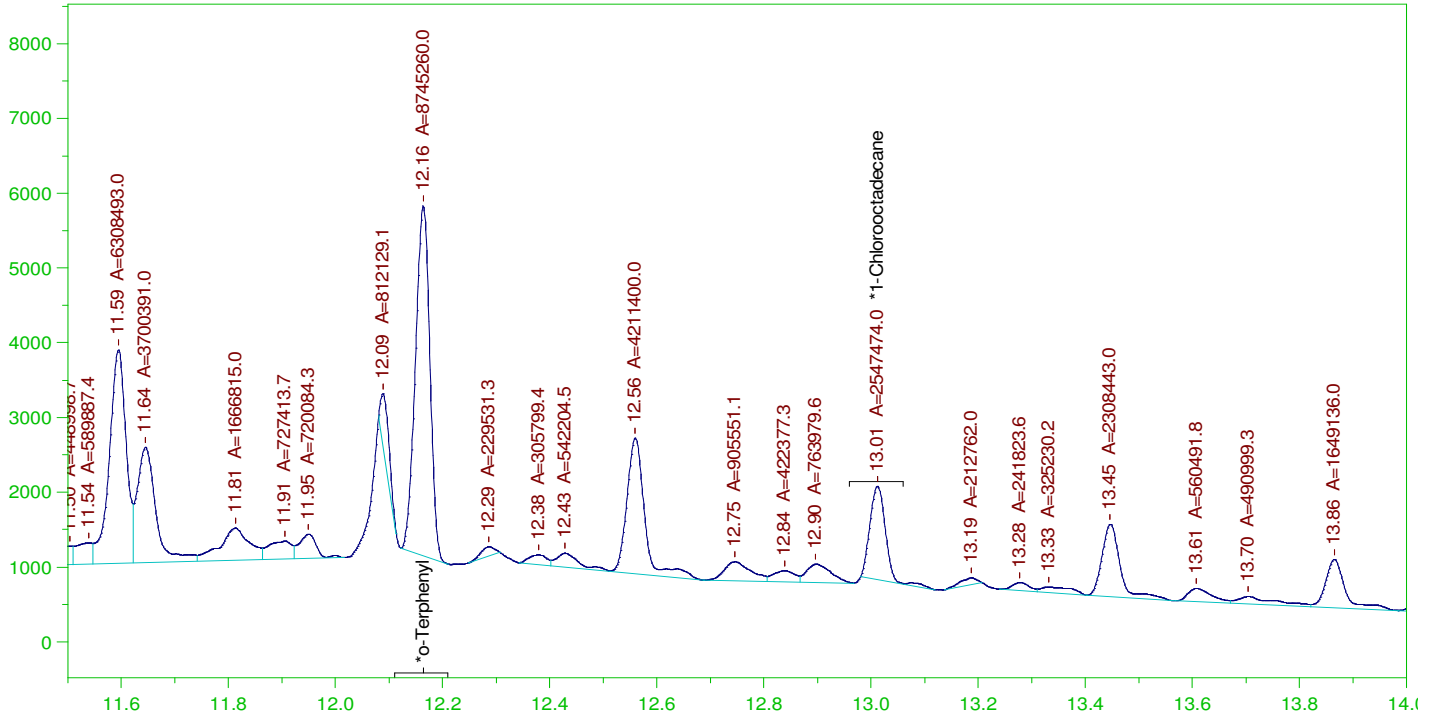
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.164 | .2     | .422     | 210.79 | - |
| *1-Chlorooctadecane | 13.012 | .2     | .197     | 98.68  | - |

DRO Area: 5.438083E+08 DRO Amount: 17.34459  
 TEH Area: 5.795654E+08 TEH Amount: 18.48505

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0052.RAW

LCS-162703 ;0106HP5 , SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: LCS-162703 ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0052.RAW  
 Date & Time Acquired: 1/7/2022 9:00:15 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.164 | .2     | .246     | 123.14 |
| *1-Chlorooctadecane | 13.012 | .2     | .072     | 35.87  |

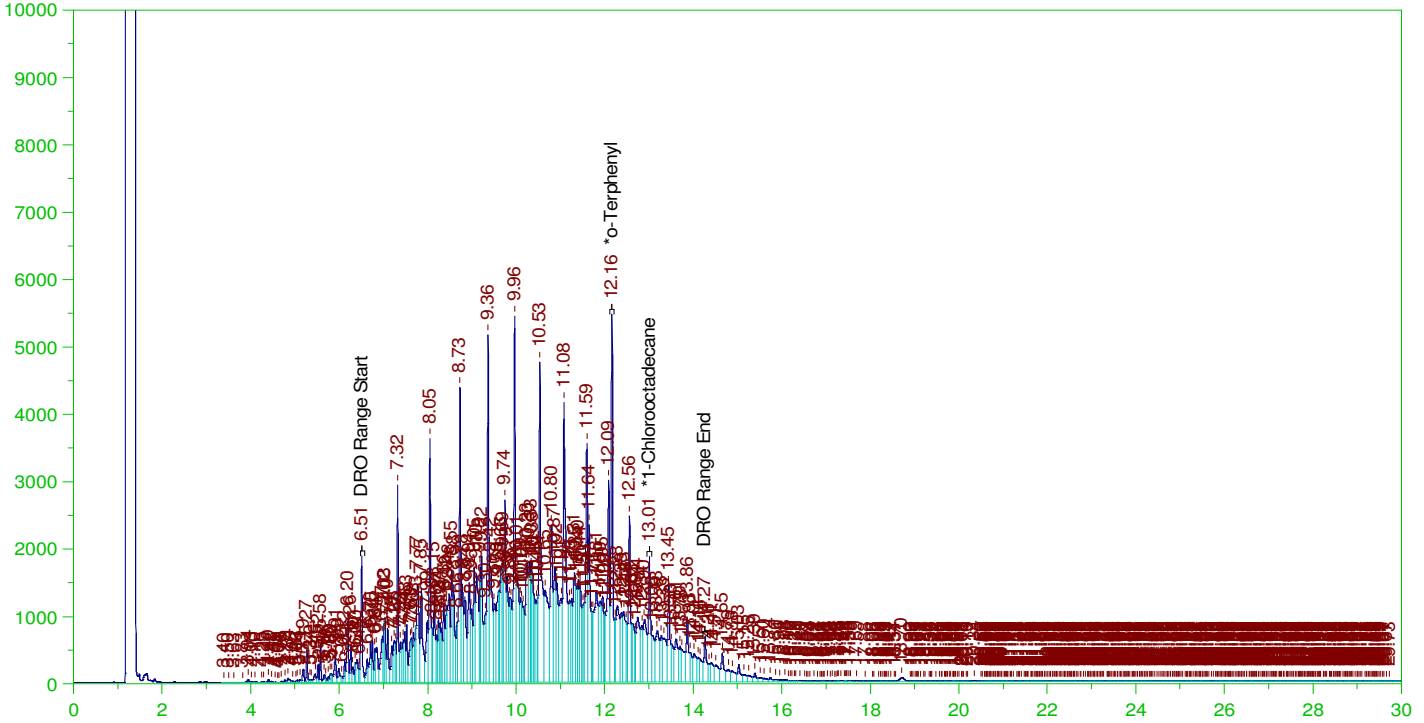
DRO Area: 2.610877E+08 DRO Amount: 8.32731  
 TEH Area: 2.767023E+08 TEH Amount: 8.825332



Batch ID: 162703

LCSD-162703 ;0106HP5 , SGT

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0053.RAW



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: LCSD-162703 ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0053.RAW  
 Date & Time Acquired: 1/7/2022 9:44:02 PM  
 Method File: G:\Org\HP5\Methods\D3\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

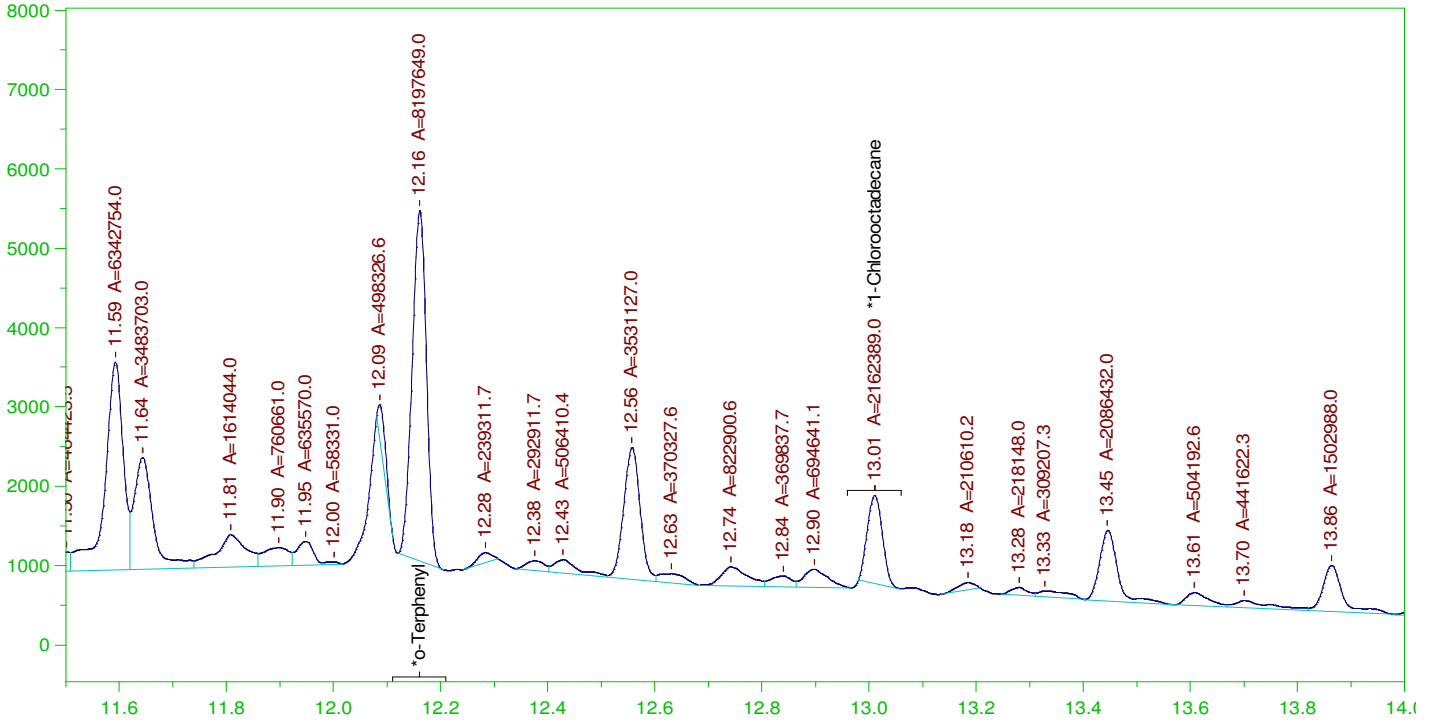
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC     |
|---------------------|--------|--------|----------|----------|
| *o-Terphenyl        | 12.161 | .2     | .393     | 196.59 - |
| *1-Chlorooctadecane | 13.011 | .2     | .18      | 89.84 -  |

DRO Area: 4.918712E+08 DRO Amount: 15.68807  
 TEH Area: 5.245161E+08 TEH Amount: 16.72927

Batch ID: 162703

LCSD-162703 ;0106HP5 , SGT

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0053.RAW



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

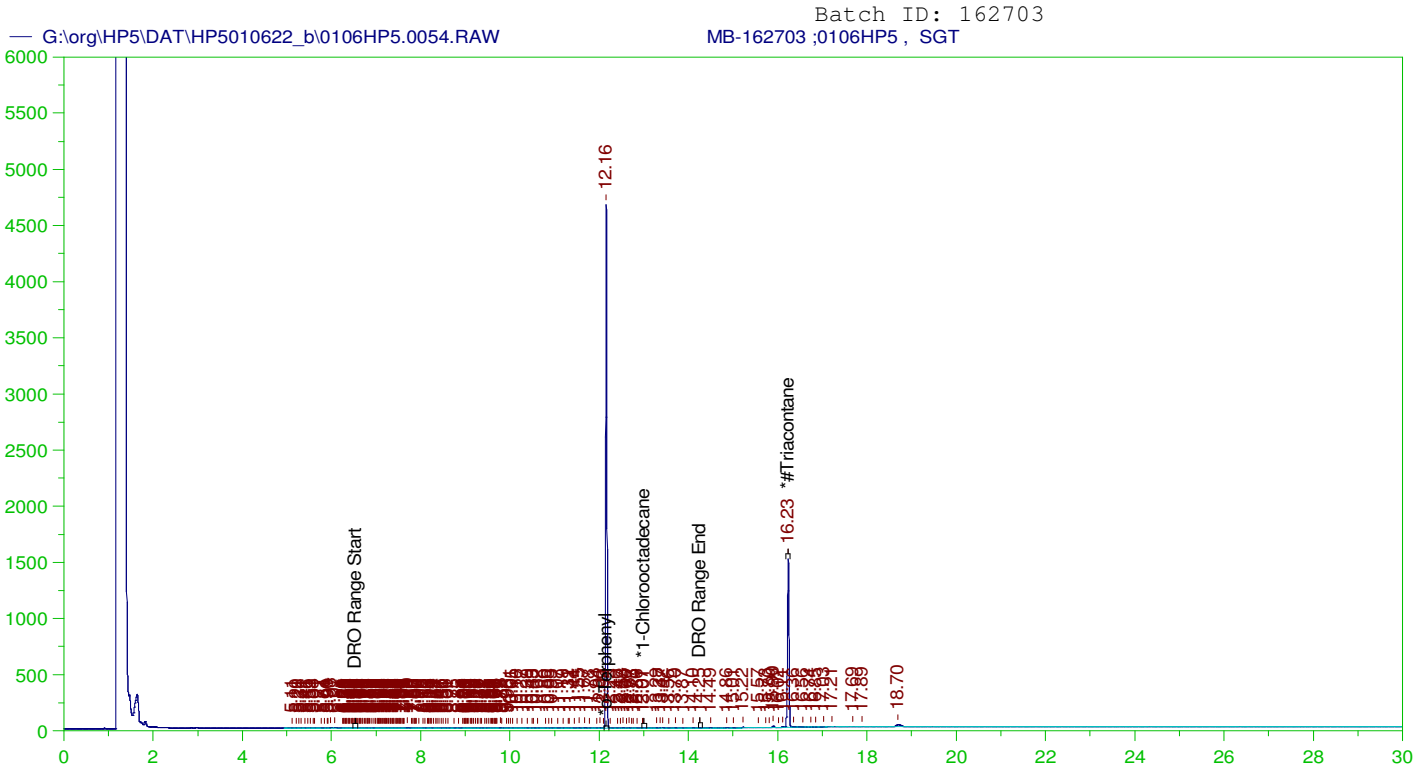
Sample Name: LCSD-162703 ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0053.RAW  
 Date & Time Acquired: 1/7/2022 9:44:02 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.161 | .2     | .231     | 115.43 |
| *1-Chlorooctadecane | 13.011 | .2     | .061     | 30.45  |

DRO Area: 2.365875E+08 DRO Amount: 7.545884  
 TEH Area: 2.502365E+08 TEH Amount: 7.981214



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

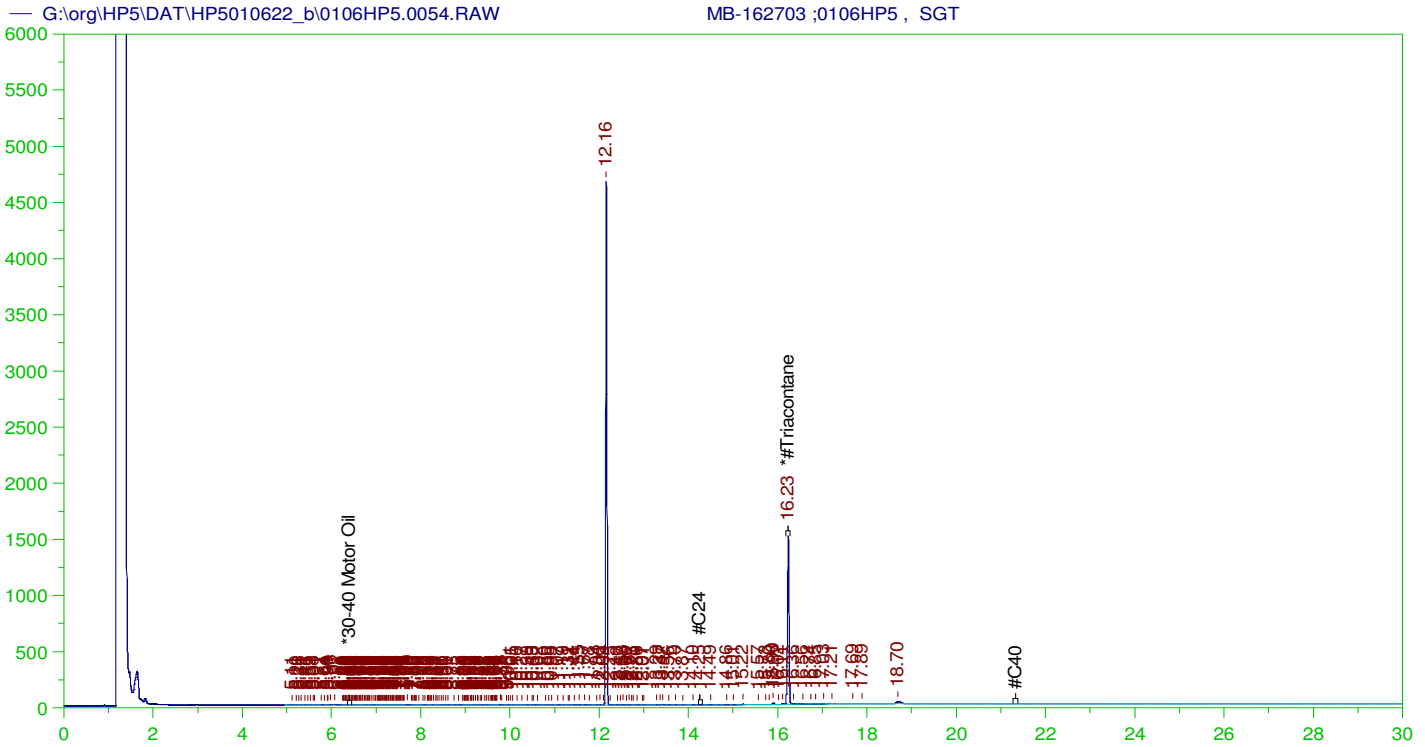
Sample Name: MB-162703 ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0054.RAW  
 Date & Time Acquired: 1/7/2022 10:27:47 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.158 | .2     | .244     | 121.88 | - |
| *1-Chlorooctadecane | 13.006 | .2     | .02      |        | - |
| *#Triacontane       | 16.232 | .2     | .132     | 66.16  | - |

DRO Area:367266.9 DRO Amount: 1.171386E-02  
 TEH Area:768723.8 TEH Amount: 0.0245182



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: MB-162703 ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0054.RAW  
 Date & Time Acquired: 1/7/2022 10:27:47 PM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

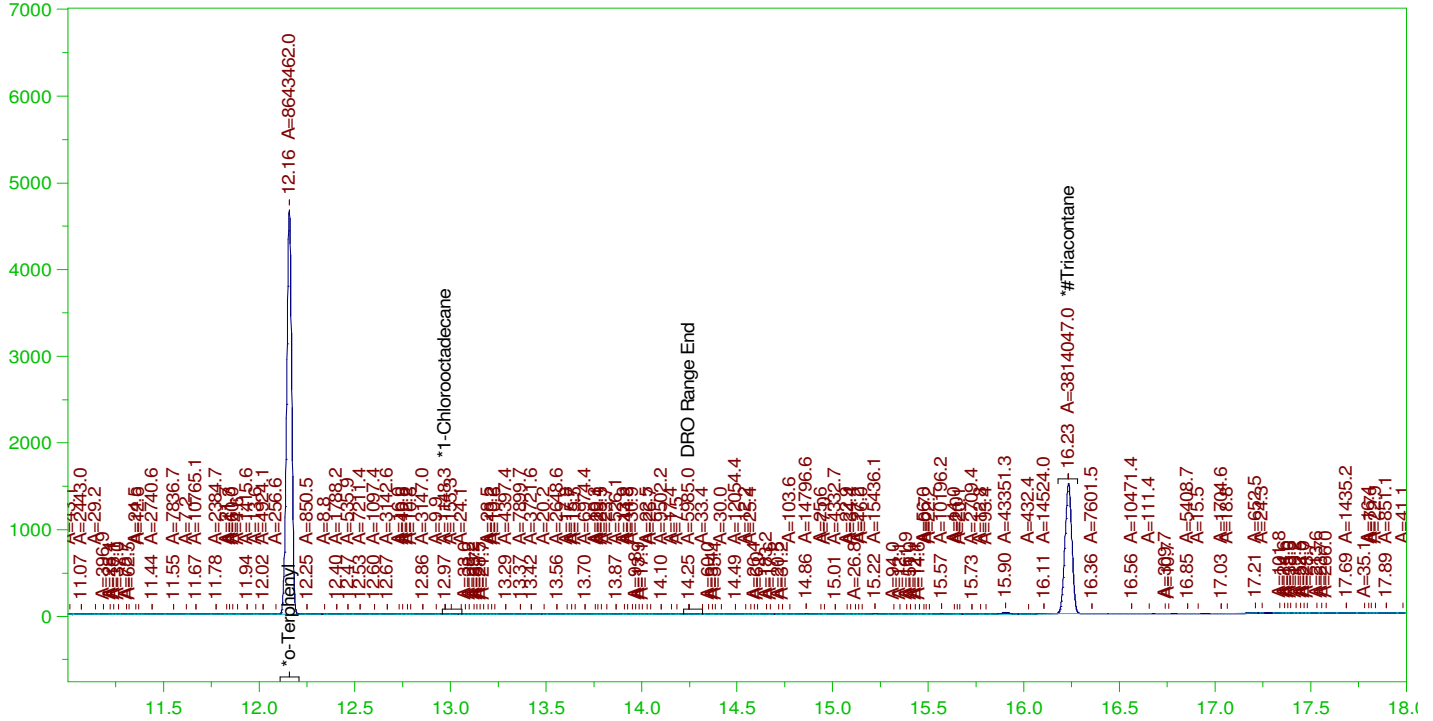
| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.232 | .5     | .132     | 26.46 |

RRO Area:287032.1 RRO AMOUNT: 1.005634E-02

Batch ID: 162703

MB-162703 ;0106HP5 , SGT

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0054.RAW



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: MB-162703 ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0054.RAW  
 Date & Time Acquired: 1/7/2022 10:27:47 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.158 | .2     | .243     | 121.71 |
| *1-Chlorooctadecane | 12.971 | .2     | .02      | -      |
| *#Triacontane       | 16.232 | .2     | .132     | 65.92  |

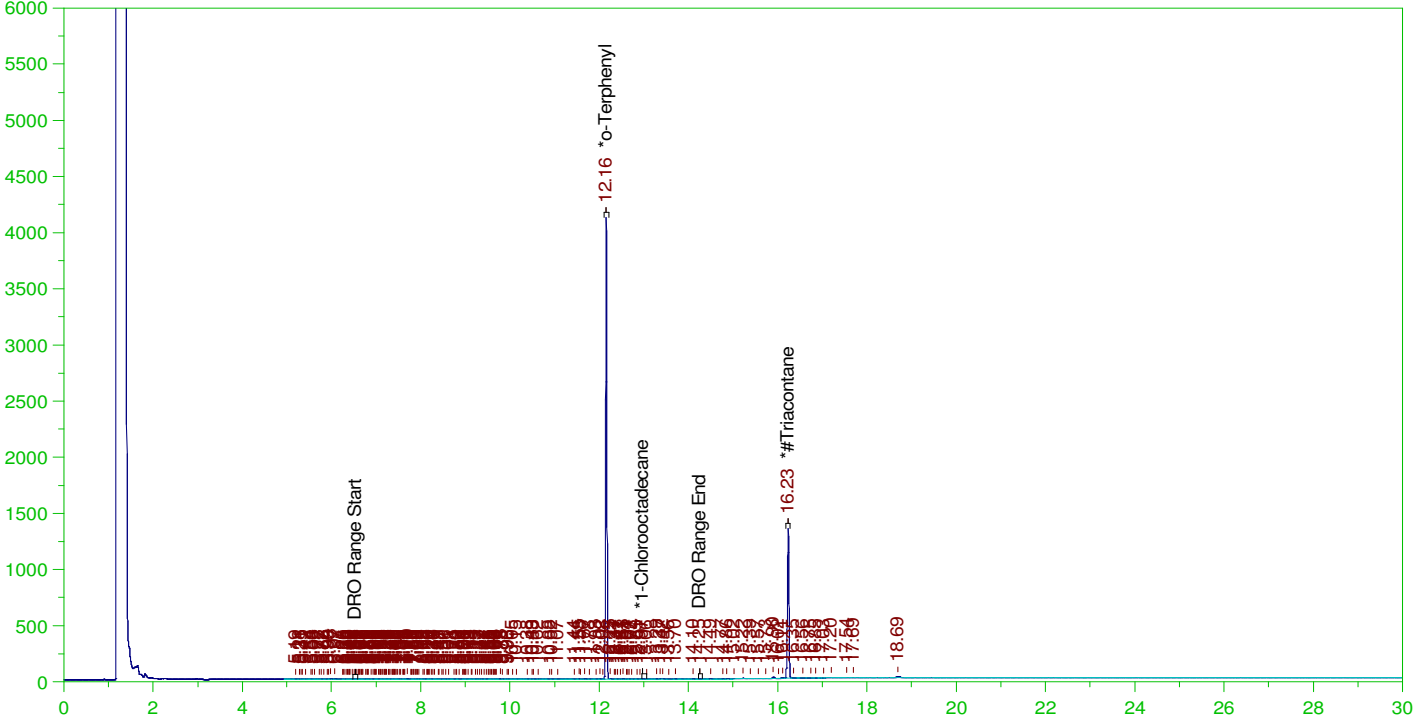
DRO Area:354041.3 DRO Amount: 1.129203E-02  
 TEH Area:837805 TEH Amount: 2.672152E-02

ERH2297 (RHMW15 zone5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0055.RAW

B22010096-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010096-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0055.RAW  
 Date & Time Acquired: 1/7/2022 11:11:31 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1010 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.157 | .198   | .212     | 107.15 | - |
| *1-Chlorooctadecane | 12.971 | .198   | .        | .16    | - |
| *#Triacontane       | 16.231 | .198   | .115     | 58.06  | - |

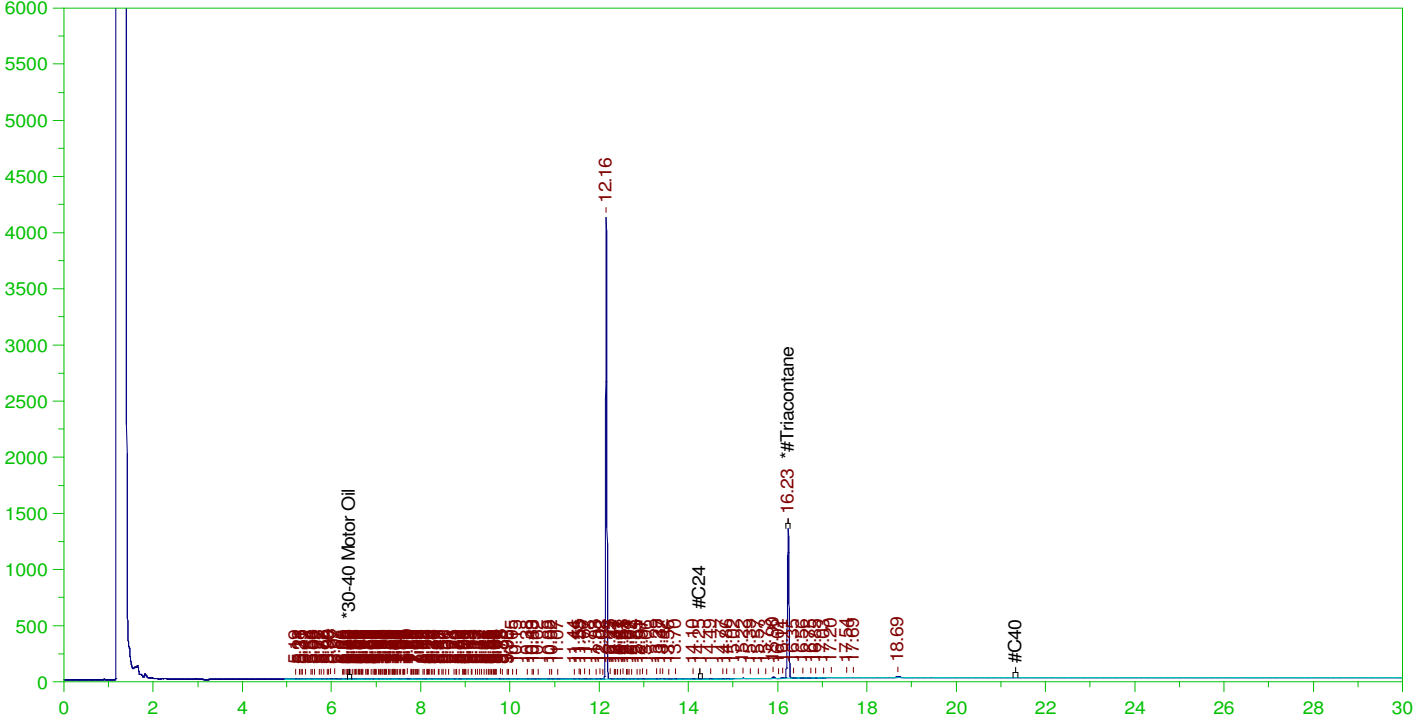
DRO Area:335175.7 DRO Amount: 1.058448E-02  
 TEH Area:614901.6 TEH Amount: 1.941791E-02

ERH2297 (RHMW15 zone5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0055.RAW

B22010096-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010096-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0055.RAW  
 Date & Time Acquired: 1/7/2022 11:11:31 PM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1010 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.231 | .495   | .115     | 23.22 |

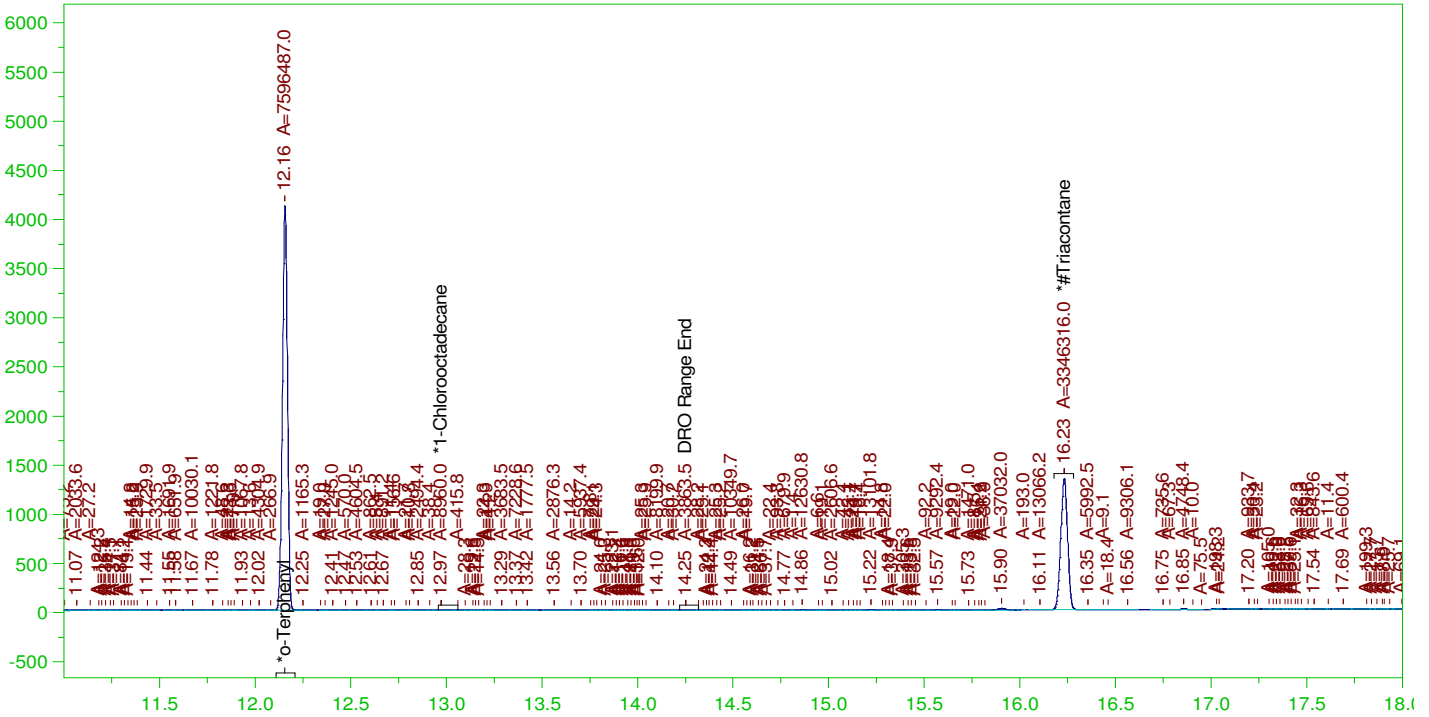
RRO Area:178342.7 RRO AMOUNT: 6.186475E-03

ERH2297 (RHMW15 zone5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0055.RAW

B22010096-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010096-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0055.RAW  
 Date & Time Acquired: 1/7/2022 11:11:31 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1010 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.157 | .198   | .212     | 106.97 |
| *1-Chlorooctadecane | 12.971 | .198   | .        | .13    |
| *#Triacontane       | 16.231 | .198   | .115     | 57.83  |

DRO Area:311521.9 DRO Amount: 9.837515E-03  
 TEH Area:650033.8 TEH Amount: 2.052734E-02

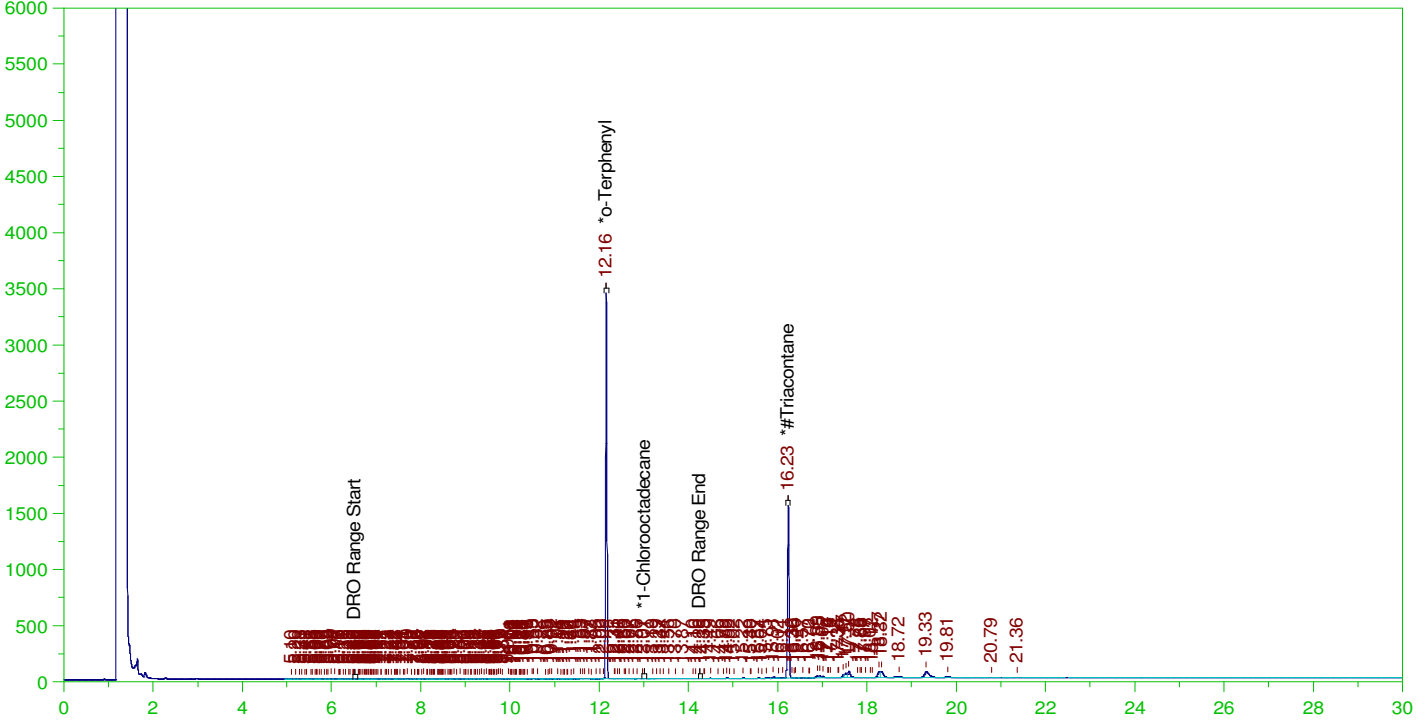


ERH2315 (RHMW08)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0056.RAW

B22010120-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010120-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0056.RAW  
 Date & Time Acquired: 1/7/2022 11:55:22 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-010656-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.157 | .2     | .179     | 89.26 | - |
| *1-Chlorooctadecane | 13.009 | .2     | .        | .03   | - |
| *#Triacontane       | 16.234 | .2     | .135     | 67.42 | - |

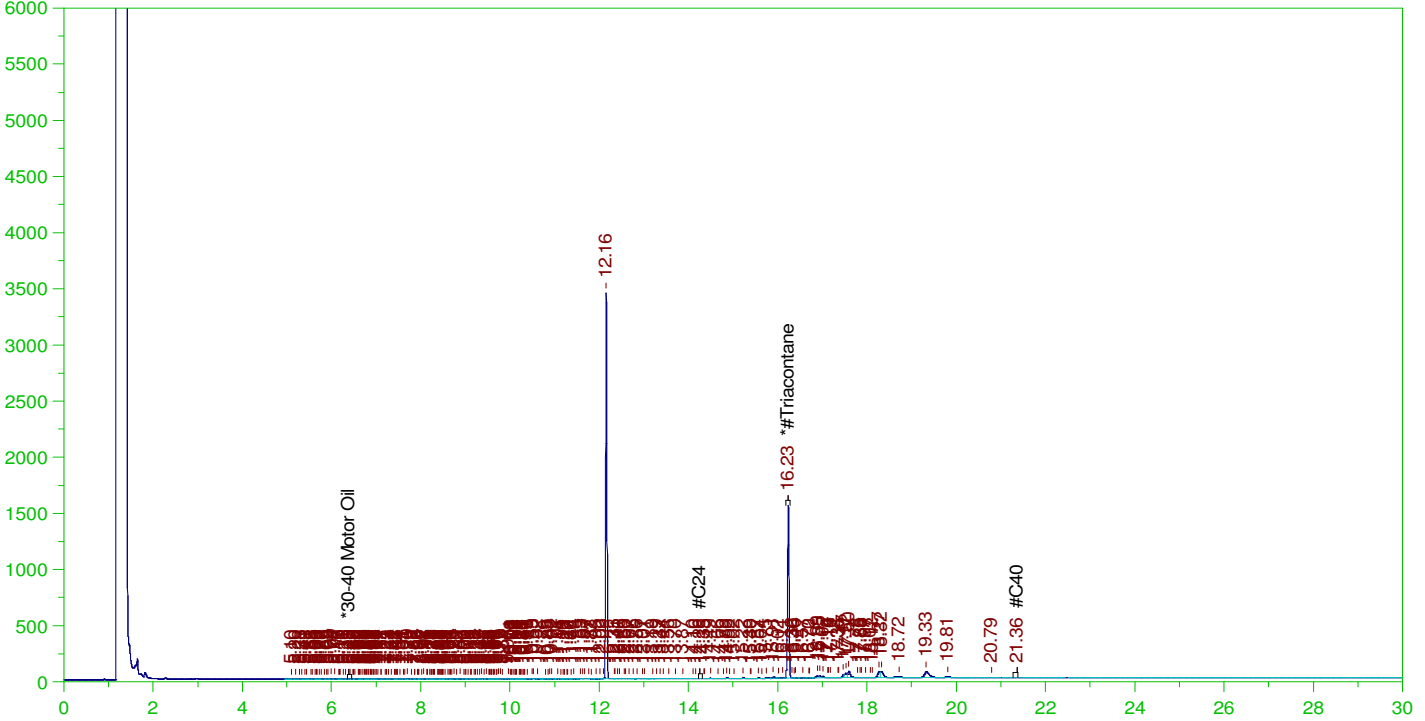
DRO Area:470596 DRO Amount: 1.500951E-02  
 TEH Area:2308568 TEH Amount: 7.363102E-02

ERH2315 (RHMW08)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0056.RAW

B22010120-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010120-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0056.RAW  
 Date & Time Acquired: 1/7/2022 11:55:22 PM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-010656-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.234 | .5     | .135     | 26.97 |

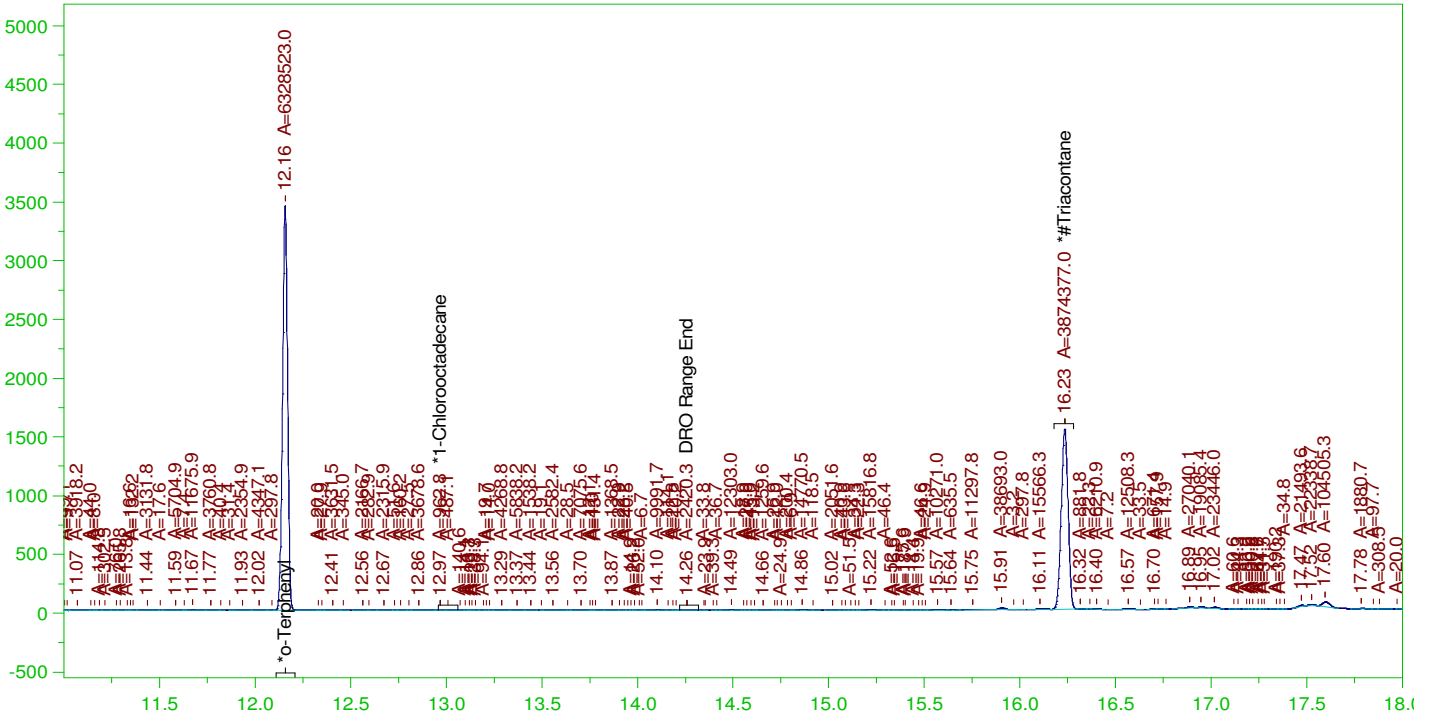
RRO Area:1738914 RRO AMOUNT: 6.092387E-02

ERH2315 (RHMW08)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0056.RAW

B22010120-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010120-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0056.RAW  
 Date & Time Acquired: 1/7/2022 11:55:22 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

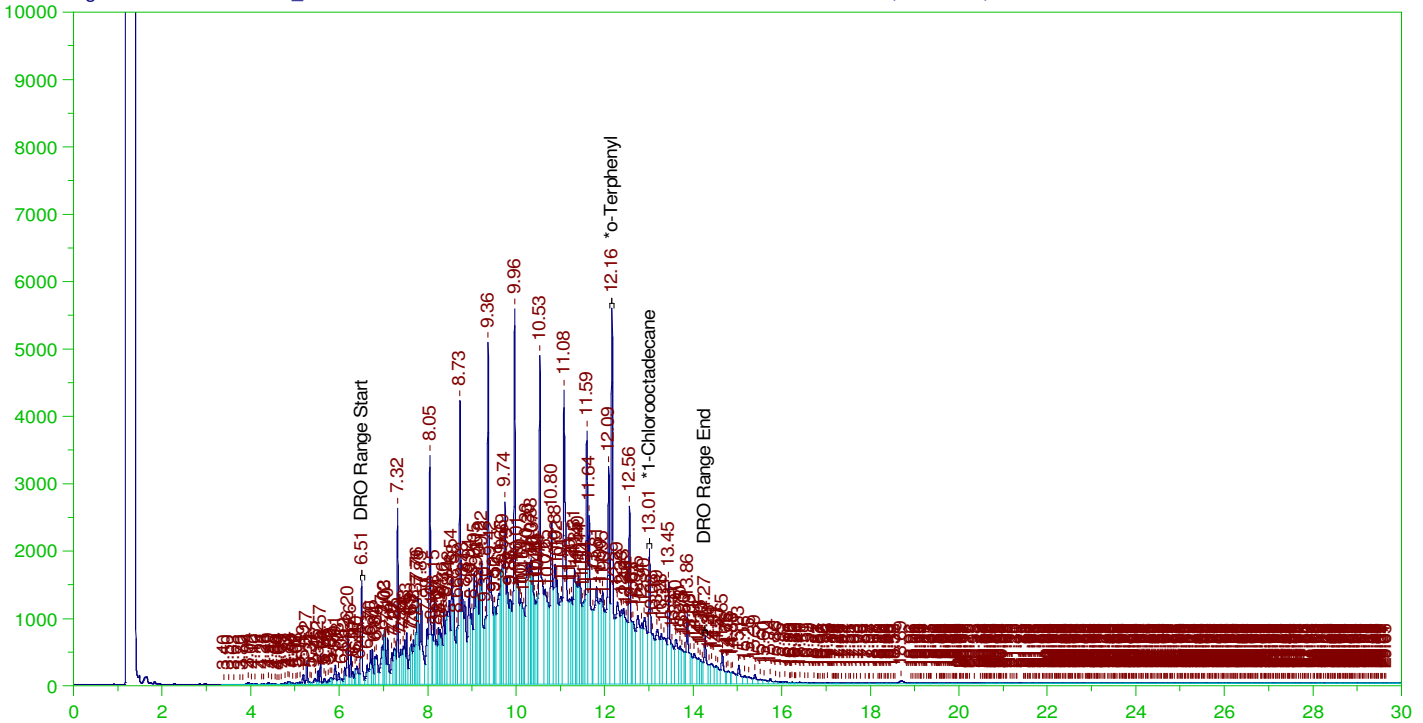
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.157 | .2     | .178     | 89.11 |
| *1-Chlorooctadecane | 12.97  | .2     | .01      | -     |
| *#Triacontane       | 16.234 | .2     | .134     | 66.96 |

DRO Area:405973 DRO Amount: 1.294838E-02  
 TEH Area:1520876 TEH Amount: 4.850786E-02

Batch ID: 162703

B22010096-001DMS ;0106HP5 , SGT

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0057.RAW



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010096-001DMS ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0057.RAW  
 Date & Time Acquired: 1/8/2022 12:39:06 AM  
 Method File: G:\Org\HP5\Methods\D3\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1030 Dilution: 1 S.A.: 1

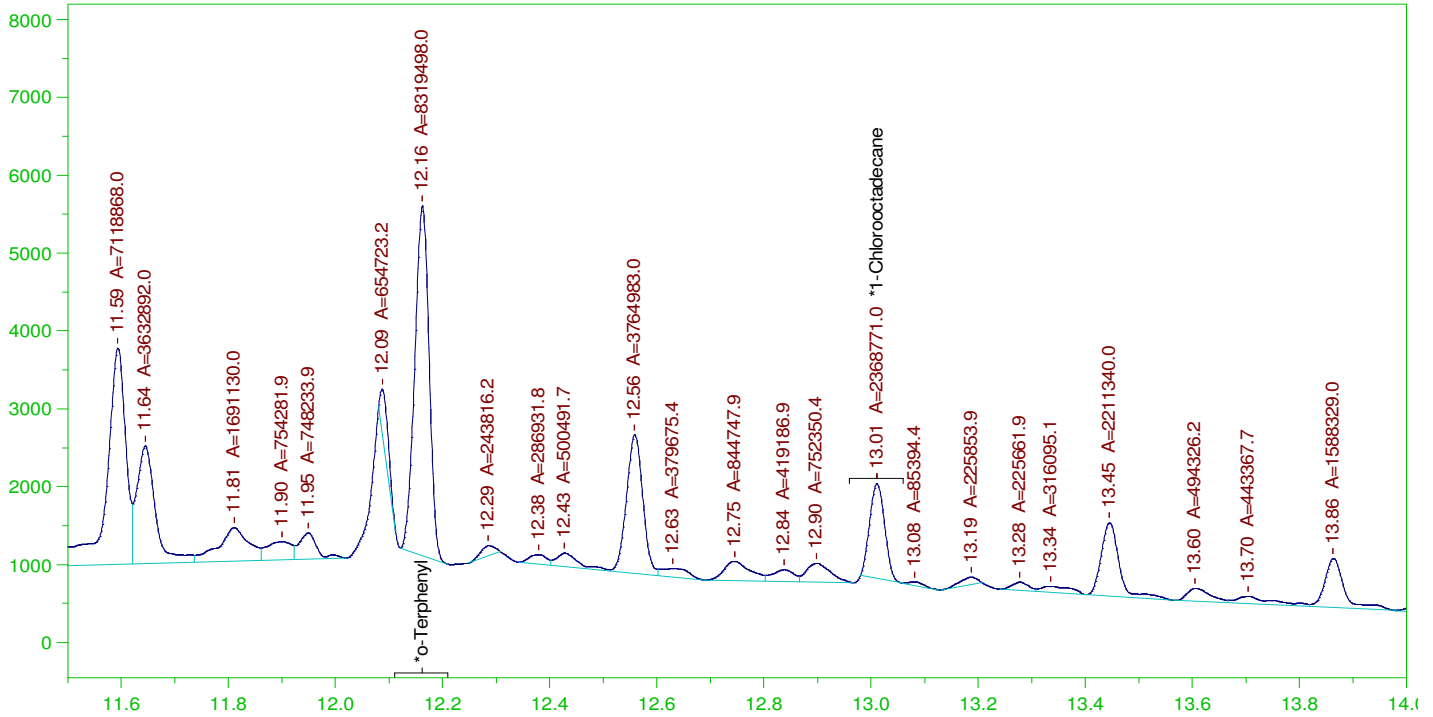
Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.162 | .194   | .395     | 203.49 | - |
| *1-Chlorooctadecane | 13.011 | .194   | .183     | 94.43  | - |

DRO Area: 4.943892E+08 DRO Amount: 15.30911  
 TEH Area: 5.242398E+08 TEH Amount: 16.23346

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0057.RAW Batch ID: 162703  
B22010096-001DMS ;0106HP5 , SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

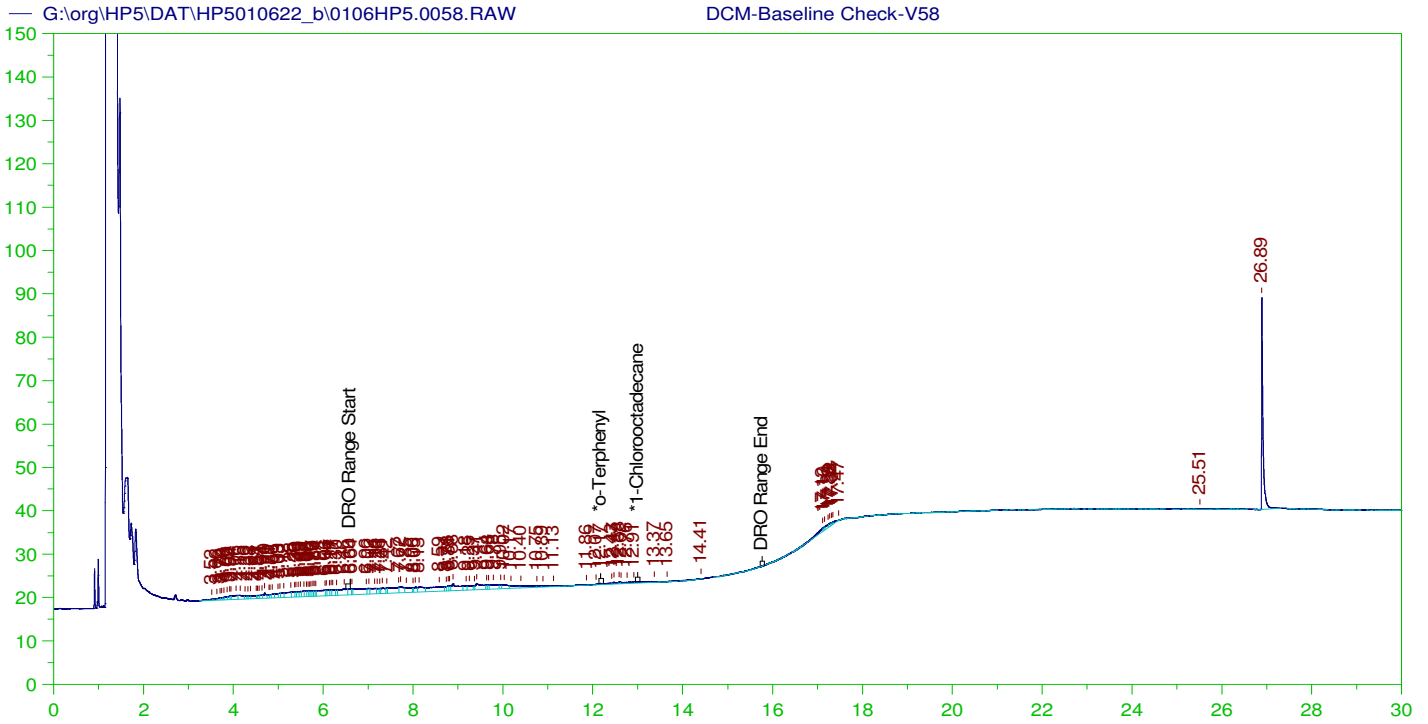
Sample Name: B22010096-001DMS ;0106HP5 , SGT  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0057.RAW  
Date & Time Acquired: 1/8/2022 12:39:06 AM  
Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.162 | .194   | .227     | 117.15 |
| *1-Chlorooctadecane | 13.011 | .194   | .065     | 33.35  |

DRO Area: 2.282332E+08 DRO Amount: 7.067403  
TEH Area: 2.393832E+08 TEH Amount: 7.412669



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V58  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0058.RAW  
 Date & Time Acquired: 1/8/2022 1:22:51 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.166 | 200.   | .039     | .02 - |
| *1-Chlorooctadecane | 29.946 | 200.   | .        | . -   |

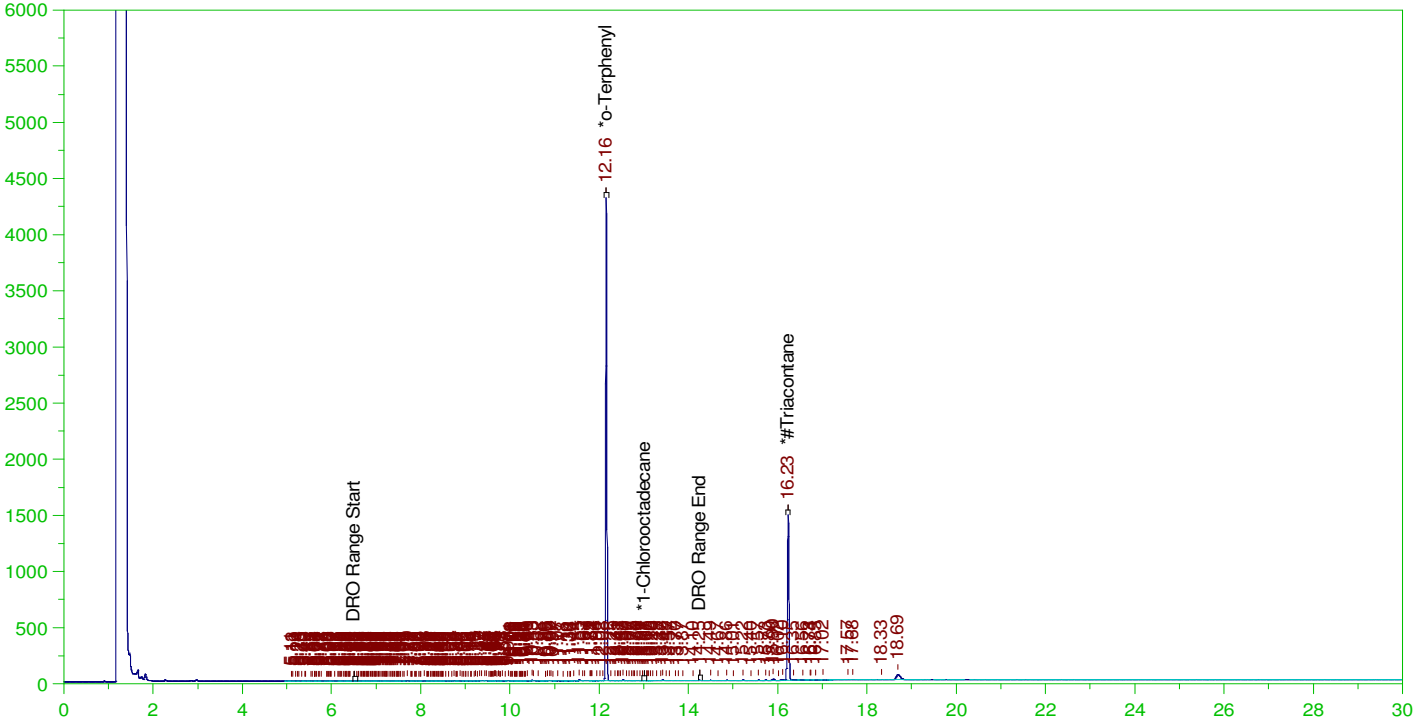
DRO Area: 266363.8 DRO Amount: 8.495588  
 TEH Area: 574679.6 TEH Amount: 18.32922

ERH2299 (OWDFMW04A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0059.RAW

B22010143-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010143-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0059.RAW  
 Date & Time Acquired: 1/8/2022 2:06:36 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.157 | .19    | .213     | 111.65 | - |
| *1-Chlorooctadecane | 13.008 | .19    | .        | .04    | - |
| *#Triacontane       | 16.23  | .19    | .124     | 64.97  | - |

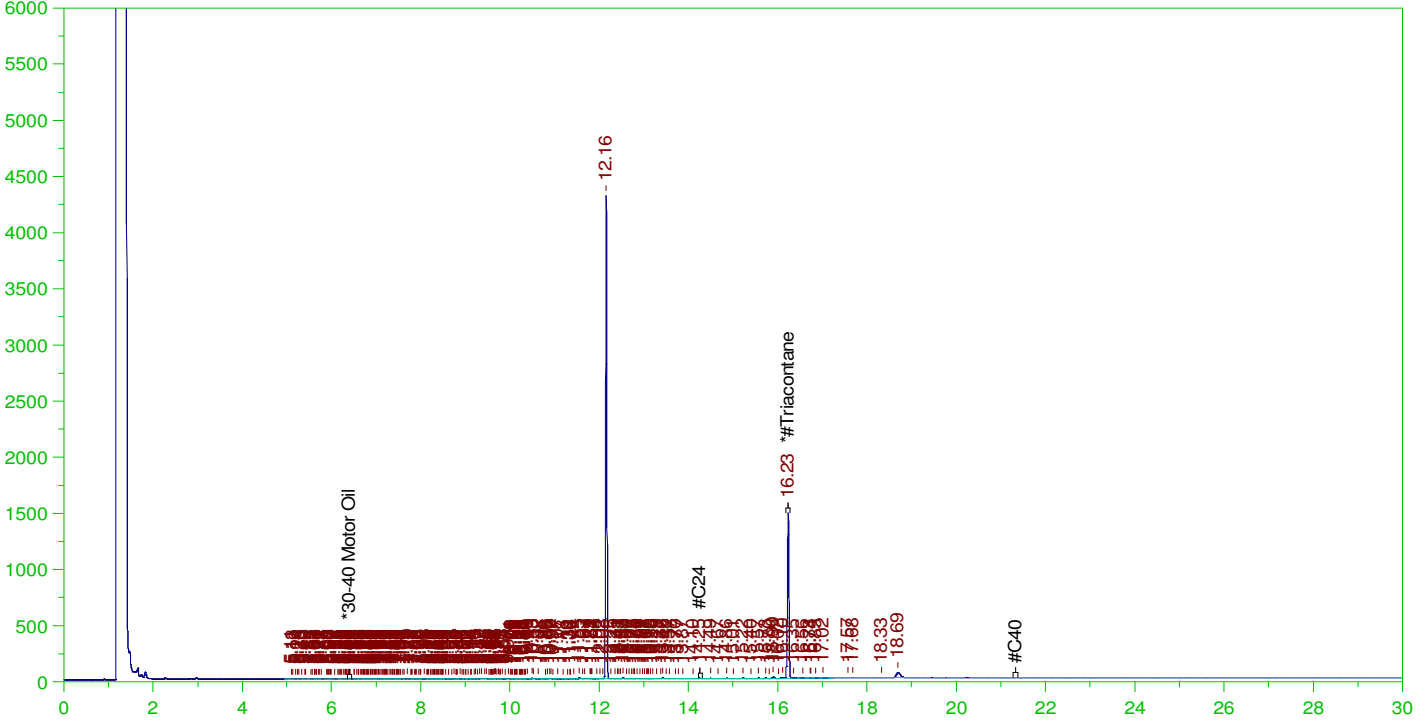
DRO Area:574491.1 DRO Amount: 1.745068E-02  
 TEH Area:1151953 TEH Amount: 0.0349916

ERH2299 (OWDFMW04A)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0059.RAW

Batch ID: 162703

B22010143-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010143-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0059.RAW  
 Date & Time Acquired: 1/8/2022 2:06:36 AM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT    | ACTUAL | MEASURED | %REC  |
|--------------------|-------|--------|----------|-------|
| *#Triacontane      | 16.23 | .476   | .124     | 25.99 |

RRO Area:506962.9 RRO AMOUNT: 1.691594E-02

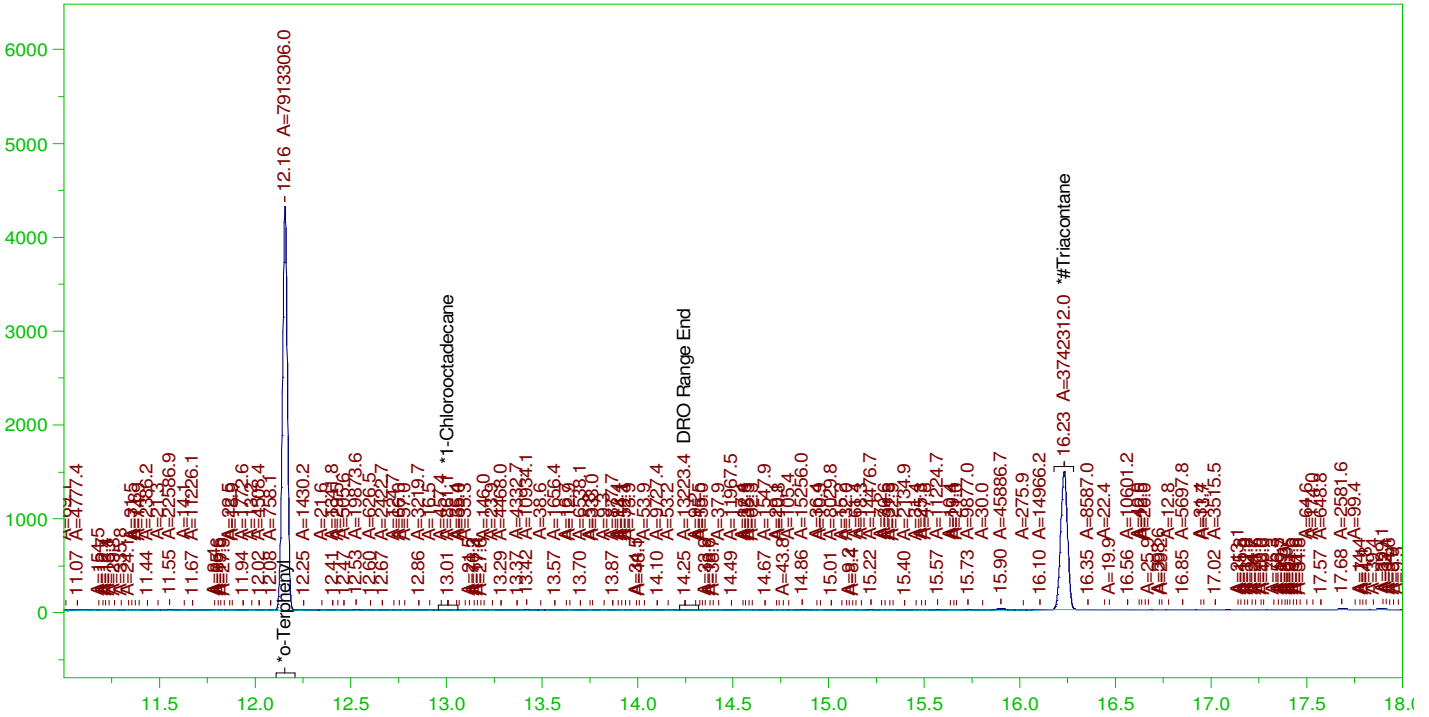


ERH2299 (OWDFMW04A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0059.RAW

B22010143-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010143-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0059.RAW  
 Date & Time Acquired: 1/8/2022 2:06:36 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.157 | .19    | .212     | 111.43 | - |
| *1-Chlorooctadecane | 13.008 | .19    | .        | .01    | - |
| *#Triacontane       | 16.23  | .19    | .123     | 64.68  | - |

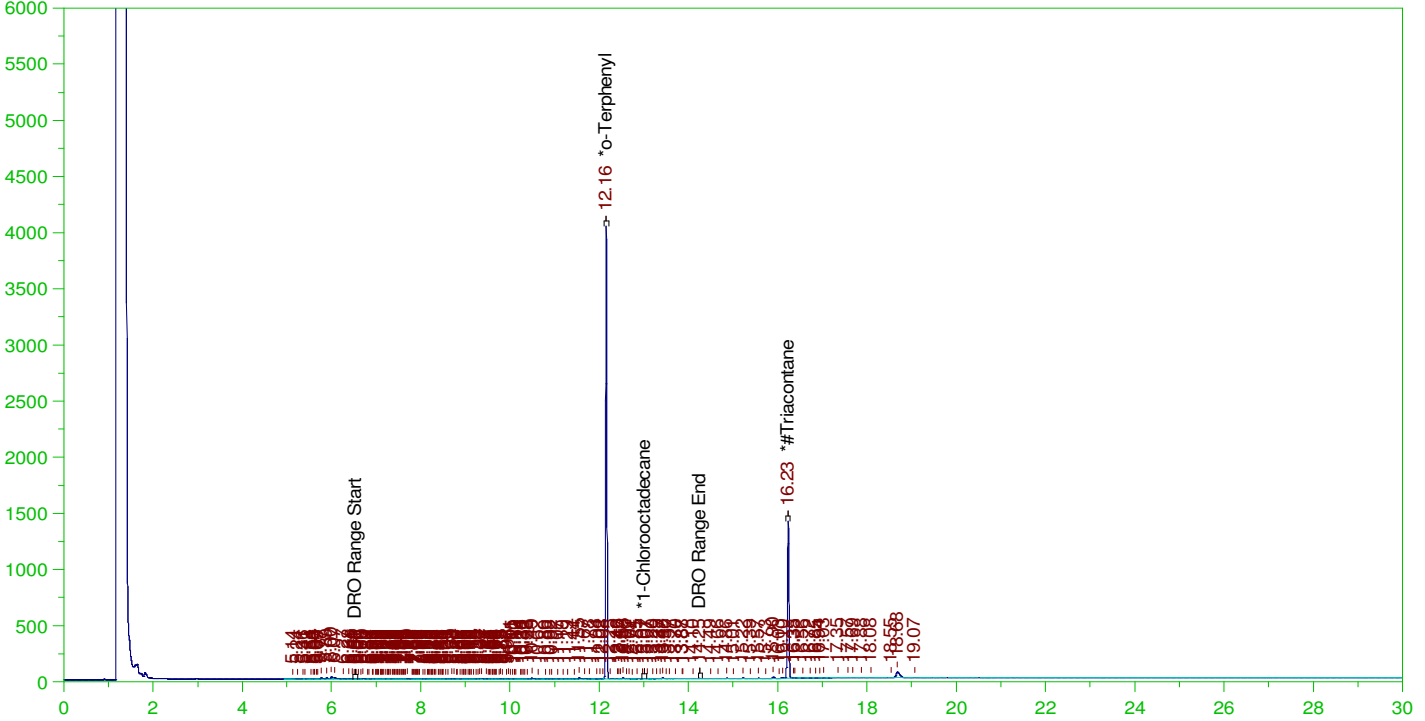
DRO Area:477823.8 DRO Amount: 1.451432E-02  
 TEH Area:1151221 TEH Amount: 3.496935E-02

ERH2305 (OWDFMW08A)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0060.RAW

Batch ID: 162703

B22010148-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010148-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0060.RAW  
 Date & Time Acquired: 1/8/2022 2:50:20 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.157 | .192   | .204     | 106.08 | - |
| *1-Chlorooctadecane | 13.007 | .192   | .        | .03    | - |
| *#Triacontane       | 16.23  | .192   | .118     | 61.18  | - |

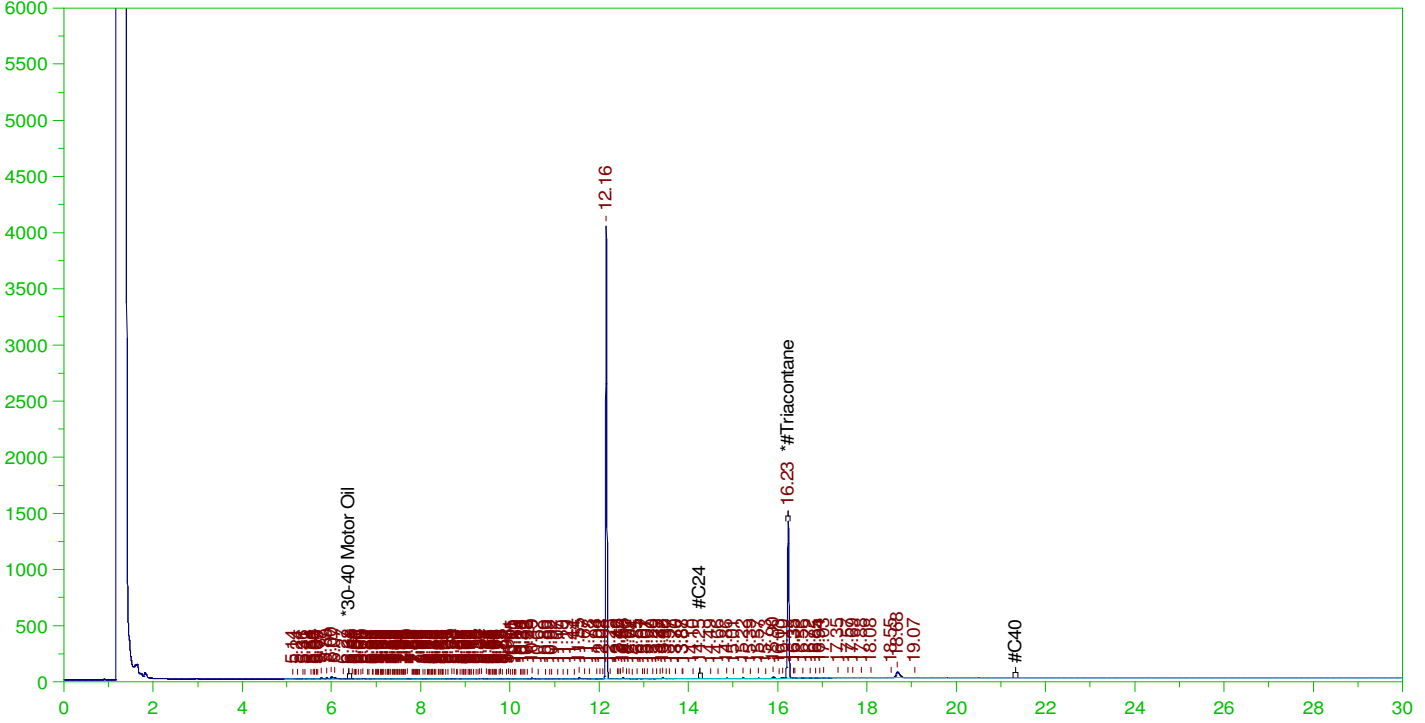
DRO Area:501596.6 DRO Amount: 1.538294E-02  
 TEH Area:1305977 TEH Amount: 4.005166E-02

ERH2305 (OWDFMW08A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0060.RAW

B22010148-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010148-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0060.RAW  
 Date & Time Acquired: 1/8/2022 2:50:20 AM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT    | ACTUAL | MEASURED | %REC  |
|--------------------|-------|--------|----------|-------|
| *#Triacontane      | 16.23 | .481   | .118     | 24.47 |

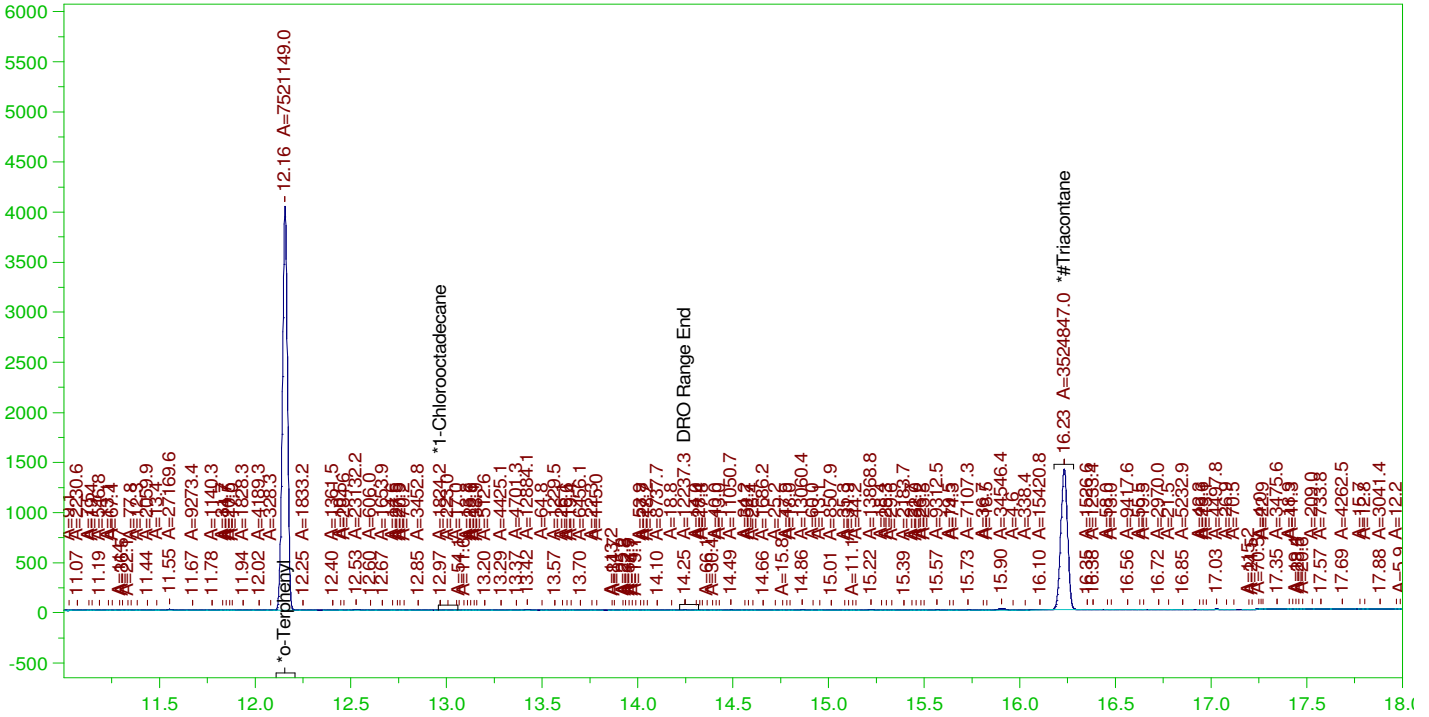
RRO Area:503804.6 RRO AMOUNT: 0.0169722

ERH2305 (OWDFMW08A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0060.RAW

B22010148-001D ; 0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010148-001D ; 0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0060.RAW  
 Date & Time Acquired: 1/8/2022 2:50:20 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.157 | .192   | .204     | 105.9 |
| *1-Chlorooctadecane | 12.97  | .192   | .        | .03   |
| *#Triacontane       | 16.23  | .192   | .117     | 60.92 |

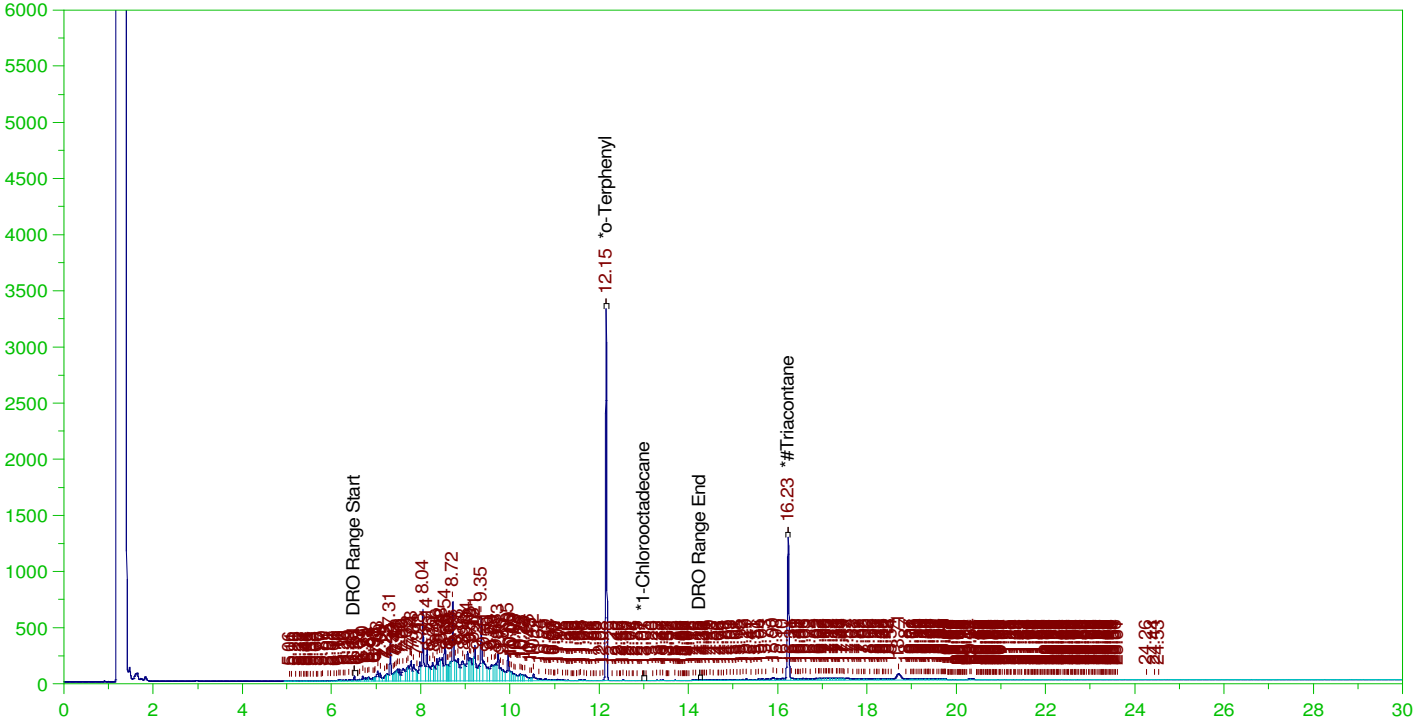
DRO Area:493373.1 DRO Amount: 1.513075E-02  
 TEH Area:1388867 TEH Amount: 4.259373E-02

ERH2333 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0061.RAW

B22010213-002B ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010213-002B ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0061.RAW  
 Date & Time Acquired: 1/8/2022 3:34:03 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-010661-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.155 | .2     | .174     | 86.89 | - |
| *1-Chlorooctadecane | 13.006 | .2     | .02      |       | - |
| *#Triacontane       | 16.23  | .2     | .115     | 57.7  | - |

DRO Area: 3.010532E+07 DRO Amount: 0.9601996

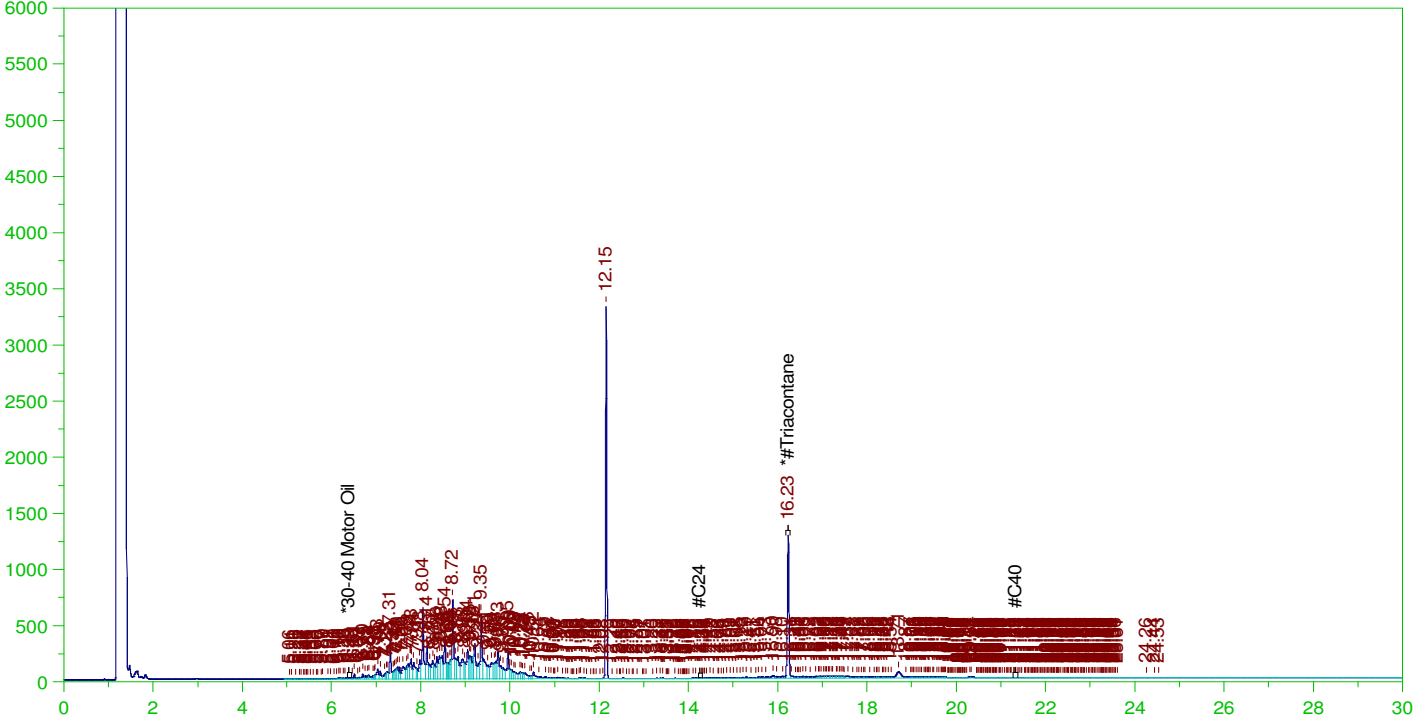
TEH Area: 3.502552E+07 TEH Amount: 1.117128

ERH2333 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0061.RAW

B22010213-002B ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010213-002B ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0061.RAW  
 Date & Time Acquired: 1/8/2022 3:34:03 AM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-010661-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT    | ACTUAL | MEASURED | %REC  |   |
|--------------------|-------|--------|----------|-------|---|
| *#Triacontane_____ | 16.23 | .5     | .115     | 23.08 | - |

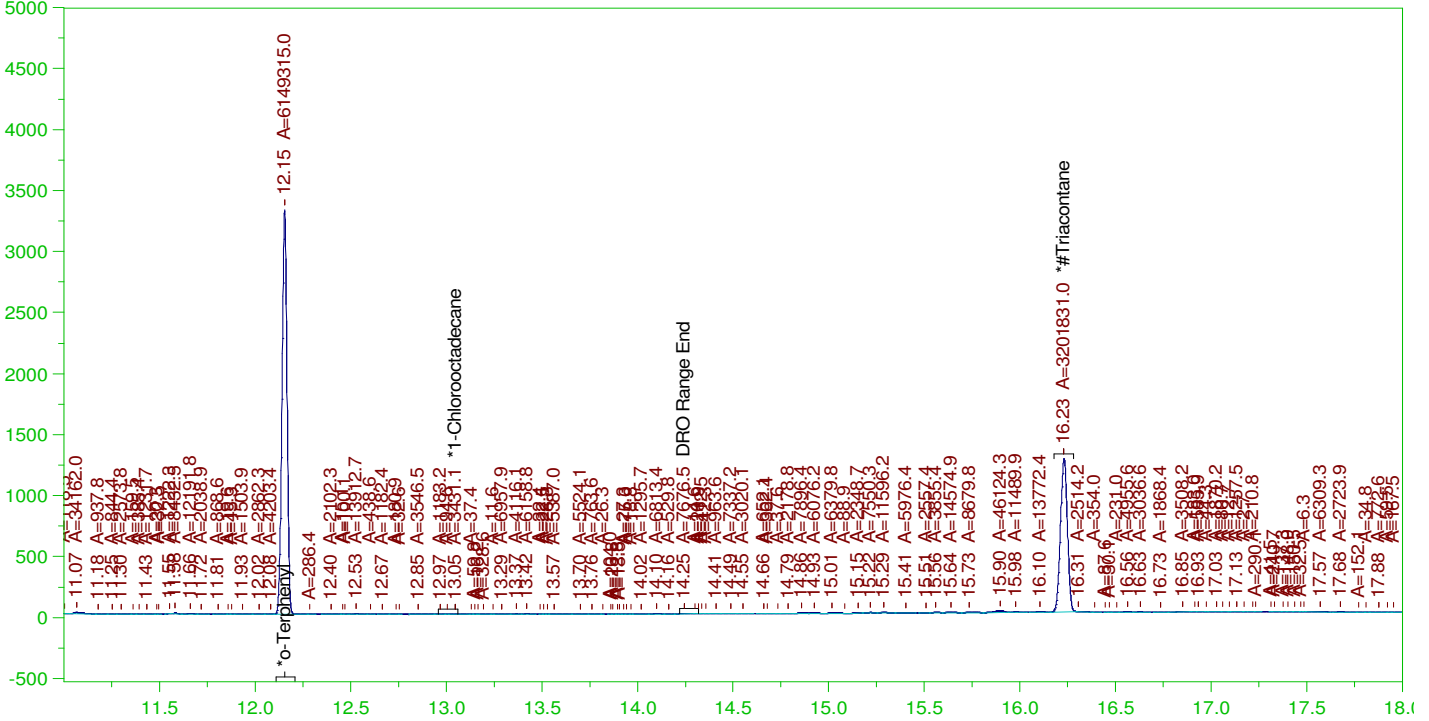
RRO Area:4376976 RRO AMOUNT: 0.1533499

ERH2333 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0061.RAW

B22010213-002B ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010213-002B ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0061.RAW  
 Date & Time Acquired: 1/8/2022 3:34:03 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.155 | .2     | .173     | 86.59 |
| *1-Chlorooctadecane | 13.047 | .2     | .05      | -     |
| *#Triacontane       | 16.23  | .2     | .111     | 55.34 |

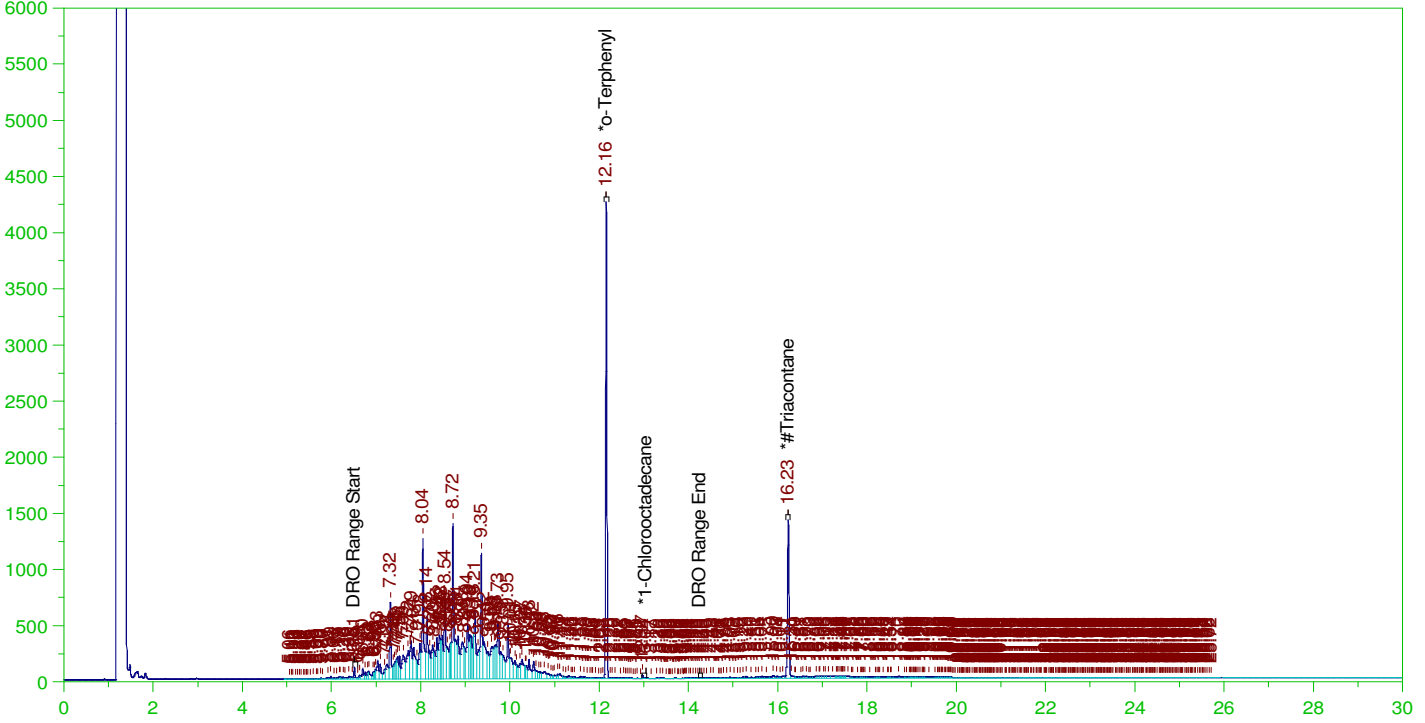
DRO Area: 2.758247E+07 DRO Amount: 0.879734  
 TEH Area: 2.833819E+07 TEH Amount: 0.9038374

ERH2332 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0062.RAW

B22010213-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010213-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0062.RAW  
 Date & Time Acquired: 1/8/2022 4:17:47 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-010662-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.157 | .194   | .218     | 112.14 | - |
| *1-Chlorooctadecane | 13.043 | .194   | .        | .22    | - |
| *#Triacontane       | 16.231 | .194   | .124     | 63.64  | - |

DRO Area:5.932844E+07 DRO Amount: 1.837147  
 TEH Area:6.485455E+07 TEH Amount: 2.008267

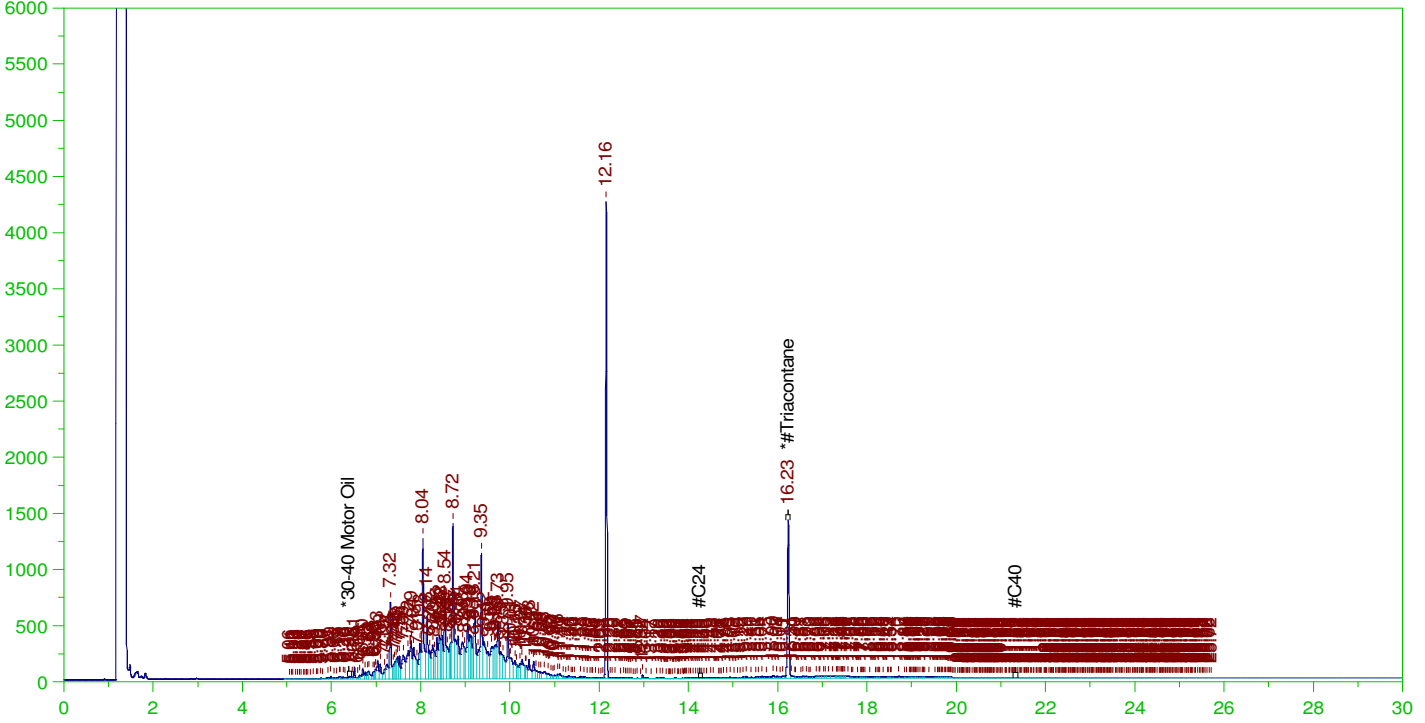


ERH2332 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0062.RAW

B22010213-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010213-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0062.RAW  
 Date & Time Acquired: 1/8/2022 4:17:47 AM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-010662-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.231 | .485   | .124     | 25.45 |

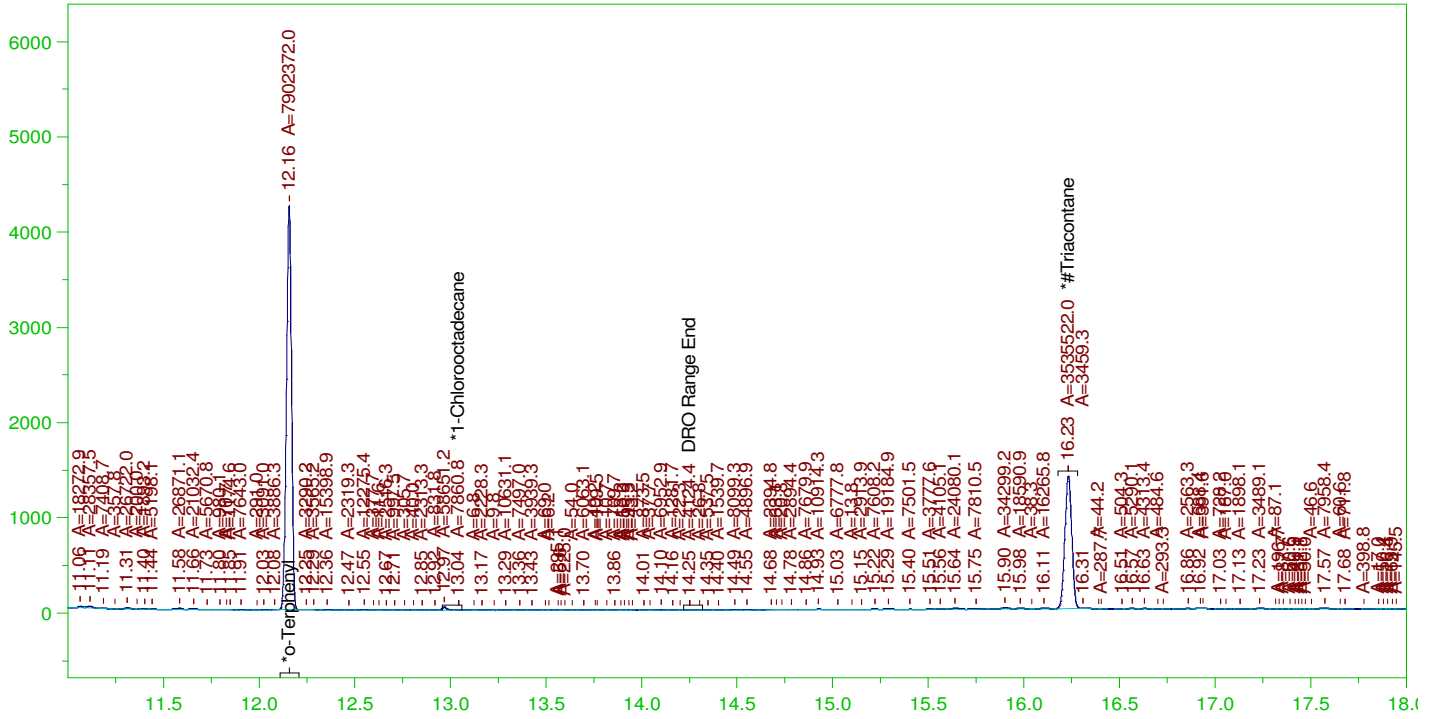
RRO Area:4304149 RRO AMOUNT: 0.1464062

ERH2332 (RHMW2254-01 Bailer)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0062.RAW

B22010213-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010213-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0062.RAW  
 Date & Time Acquired: 1/8/2022 4:17:47 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.157 | .194   | .216     | 111.27 |
| *1-Chlorooctadecane | 13.043 | .194   | .        | .11    |
| *#Triacontane       | 16.231 | .194   | .119     | 61.1   |

DRO Area: 5.018532E+07 DRO Amount: 1.554024

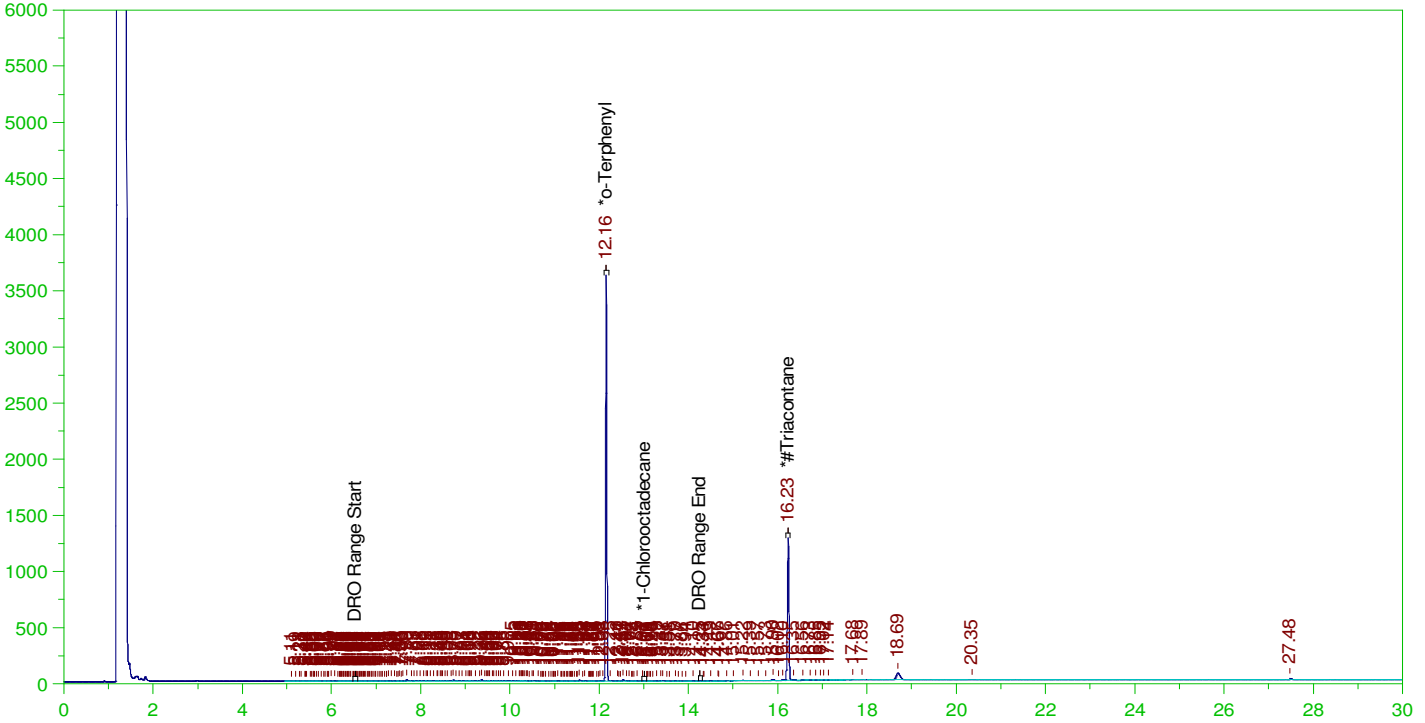
TEH Area: 5.085975E+07 TEH Amount: 1.574908

ERH2334 (RHMW2254-01 LF)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0063.RAW

B22010213-003D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010213-003D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0063.RAW  
 Date & Time Acquired: 1/8/2022 5:01:27 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1020 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.155 | .196   | .184     | 93.62 | - |
| *1-Chlorooctadecane | 13.011 | .196   | .        | .04   | - |
| *#Triacontane       | 16.23  | .196   | .109     | 55.43 | - |

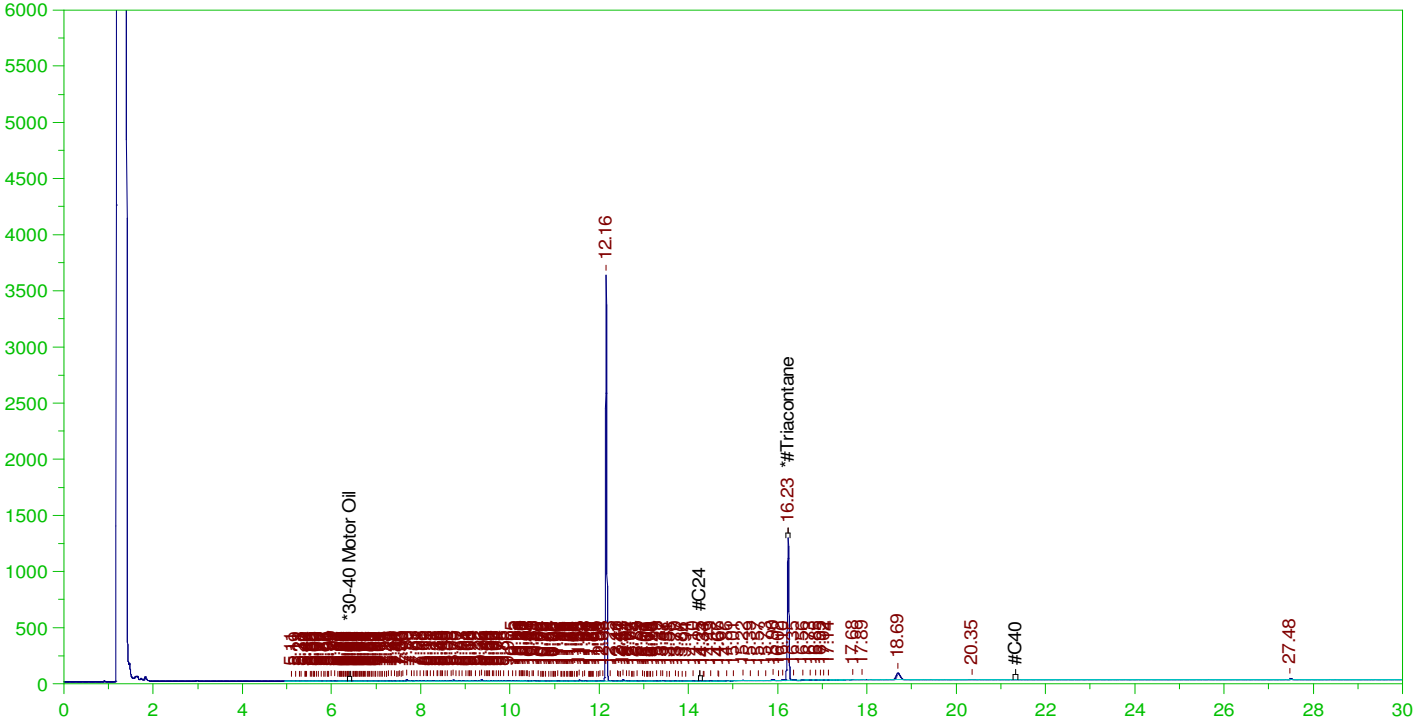
DRO Area:1151808 DRO Amount: 3.601623E-02  
 TEH Area:1837035 TEH Amount: 0.0574428

ERH2334 (RHMW2254-01 LF)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0063.RAW

B22010213-003D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010213-003D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0063.RAW  
 Date & Time Acquired: 1/8/2022 5:01:27 AM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1020 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT    | ACTUAL | MEASURED | %REC  |   |
|--------------------|-------|--------|----------|-------|---|
| *#Triacontane      | 16.23 | .49    | .109     | 22.17 | - |

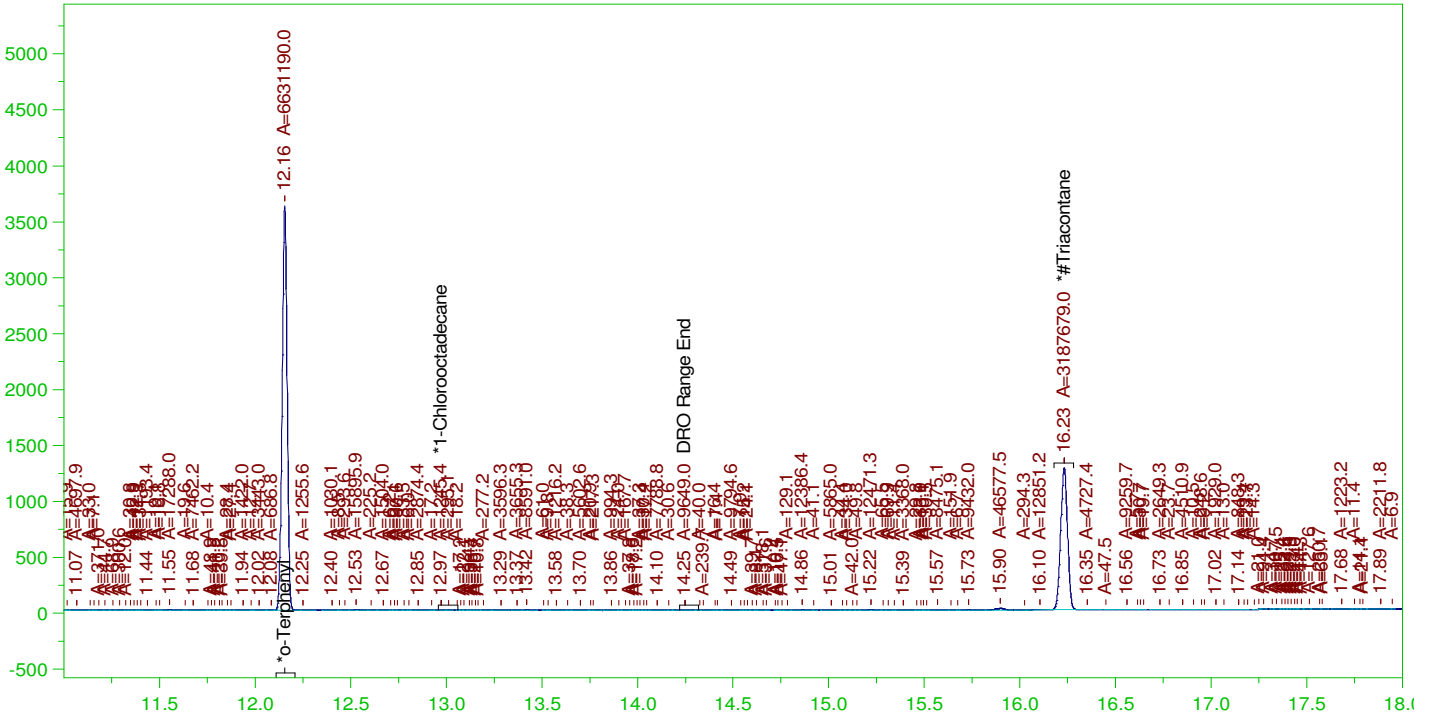
RRO Area:577263.1 RRO AMOUNT: 1.982819E-02

ERH2334 (RHMW2254-01 LF)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0063.RAW

B22010213-003D ;0106HP5 , \$HC-8015-DRO-W, SGT



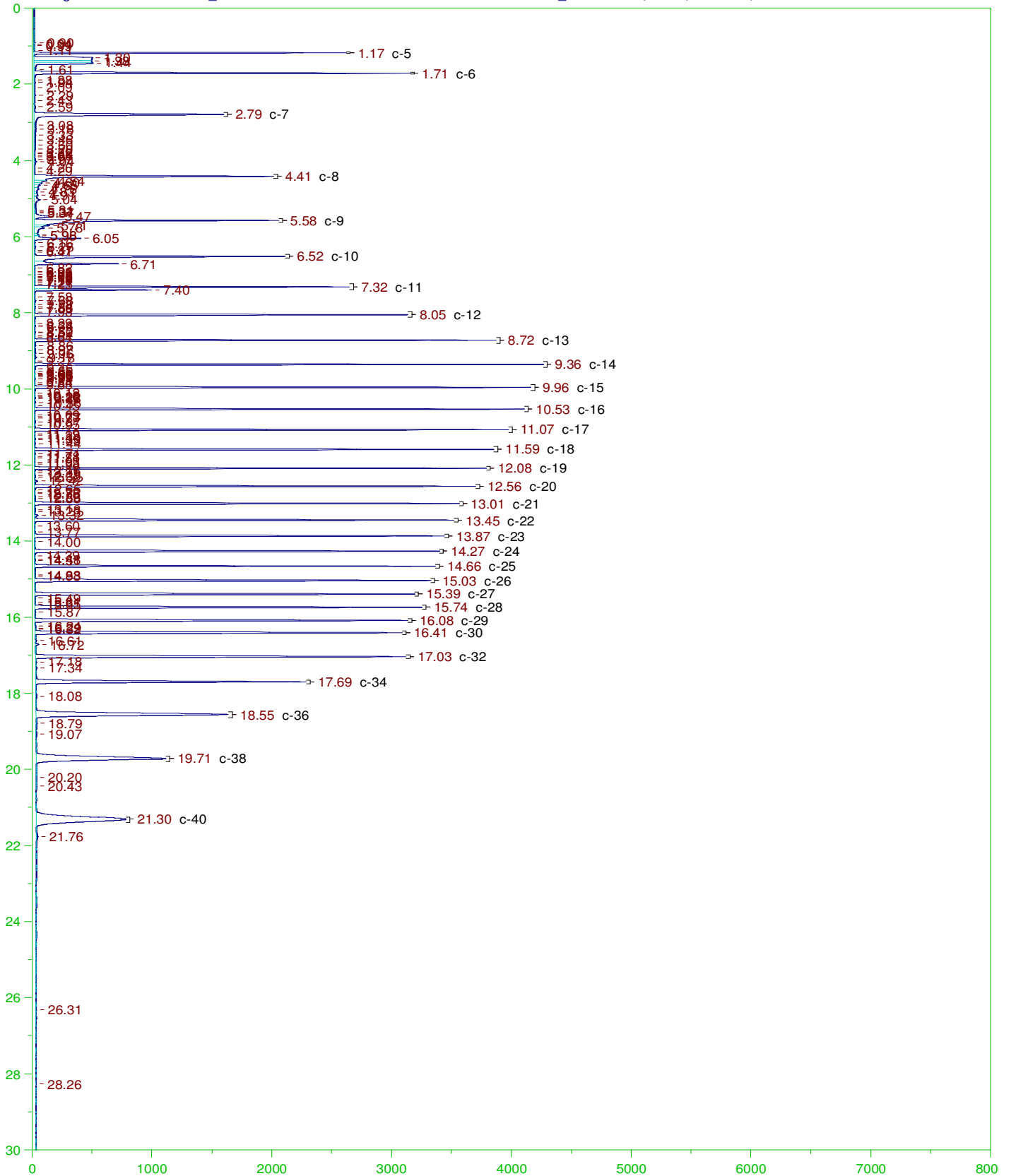
**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

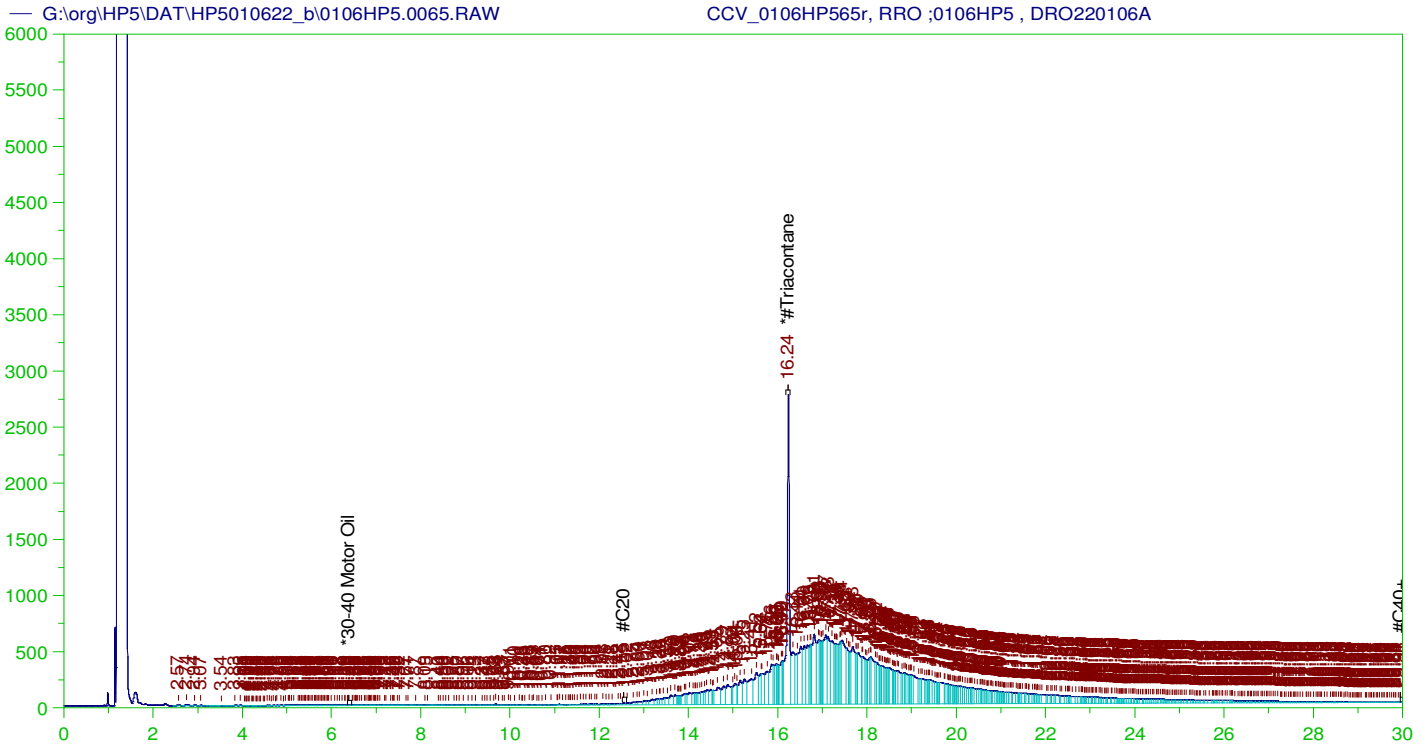
Sample Name: B22010213-003D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0063.RAW  
 Date & Time Acquired: 1/8/2022 5:01:27 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1020 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.155 | .196   | .183     | 93.37 |
| *1-Chlorooctadecane | 12.972 | .196   | .02      | -     |
| *#Triacontane       | 16.23  | .196   | .108     | 55.09 |

DRO Area: 927256.5 DRO Amount: 2.899466E-02  
 TEH Area: 1712359 TEH Amount: 5.354427E-02





**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP565r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0065.RAW  
 Date & Time Acquired: 1/8/2022 6:28:41 AM  
 Method File: G:\Org\HP5\Methods\DC\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.236 | 500.   | 350.448  | 70.09 | - |

RRO TEH (Oil Range) Area:1.395833E+08 RRO TEH (Oil Range) AMOUNT: 4890.382

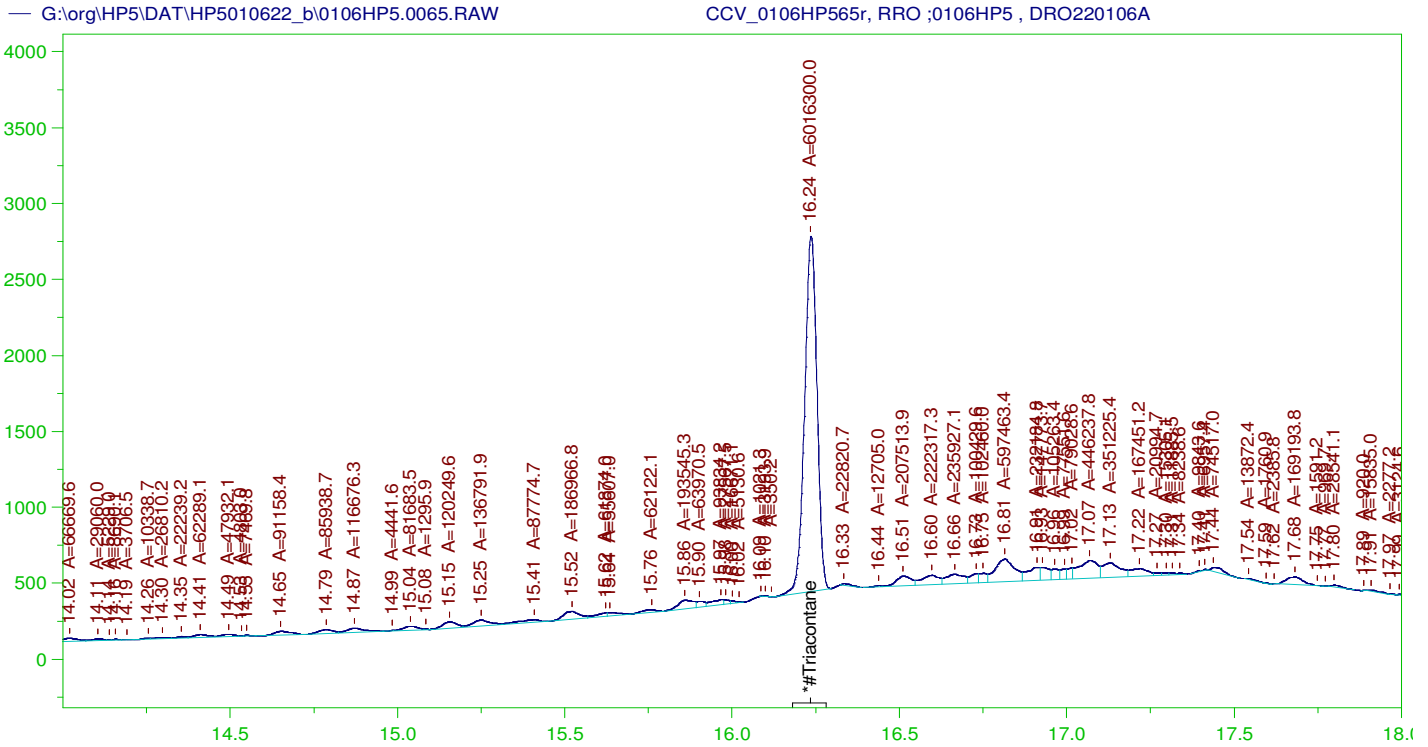
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0065.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .021          | .         | 75-125 |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.236 | 200.   | 350.448  | 175.22 | 75-125 |

AMN 01/31/2022



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP565r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0065.RAW  
 Date & Time Acquired: 1/8/2022 6:28:41 AM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.236 | 500.   | 207.96   | 41.59 |

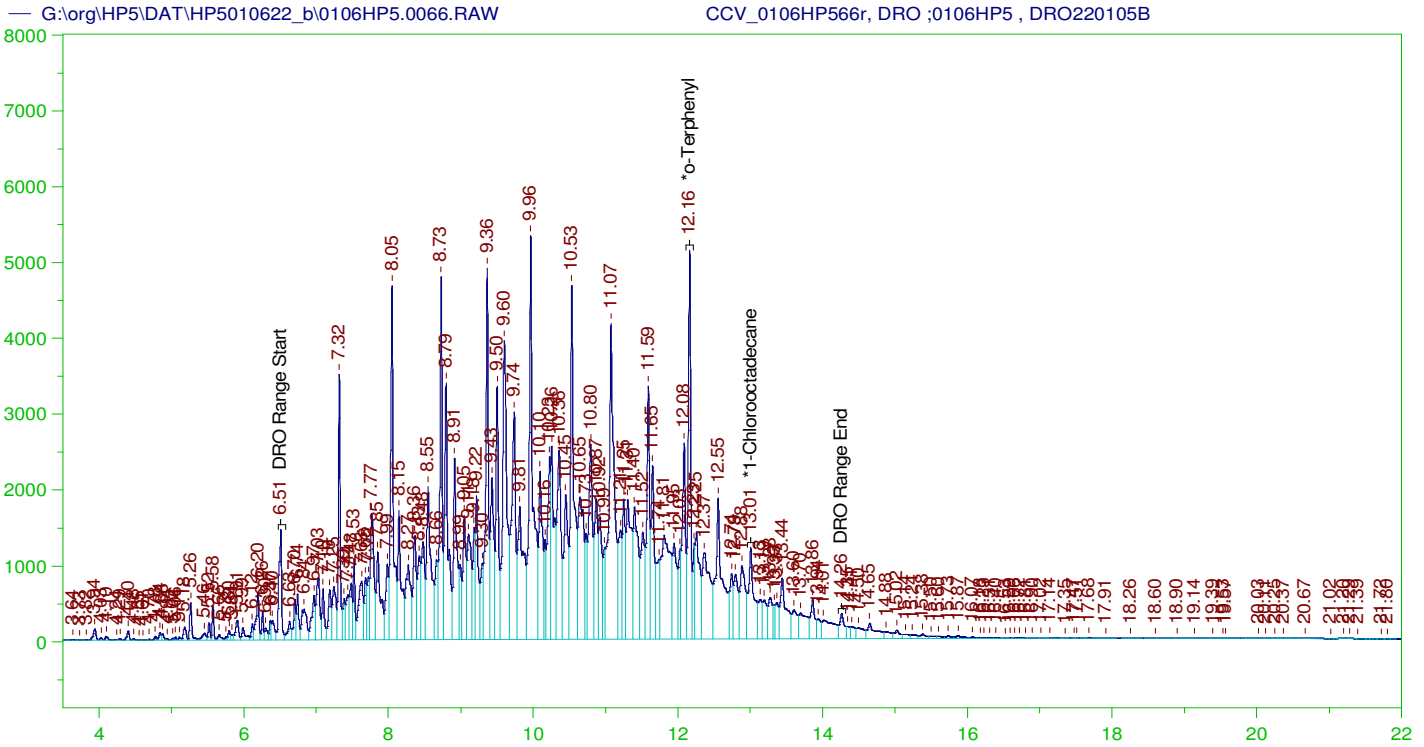
RRO Area:5979815 RRO AMOUNT: 209.5063

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0065.RAW

| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .021          | .         | 75-125 |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.236 | 200.   | 207.96   | 103.98 | 75-125 |





**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP566r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0066.RAW  
 Date & Time Acquired: 1/8/2022 7:12:23 AM  
 Method File: G:\Org\HP5\Methods\DC\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.16  | 200.   | 348.879  | 174.44 |
| *1-Chlorooctadecane | 13.006 | 200.   | 173.865  | 86.93  |

DRO Area: 5.022255E+08 DRO Amount: 16018.32  
 TEH Area: 5.207028E+08 TEH Amount: 16607.65

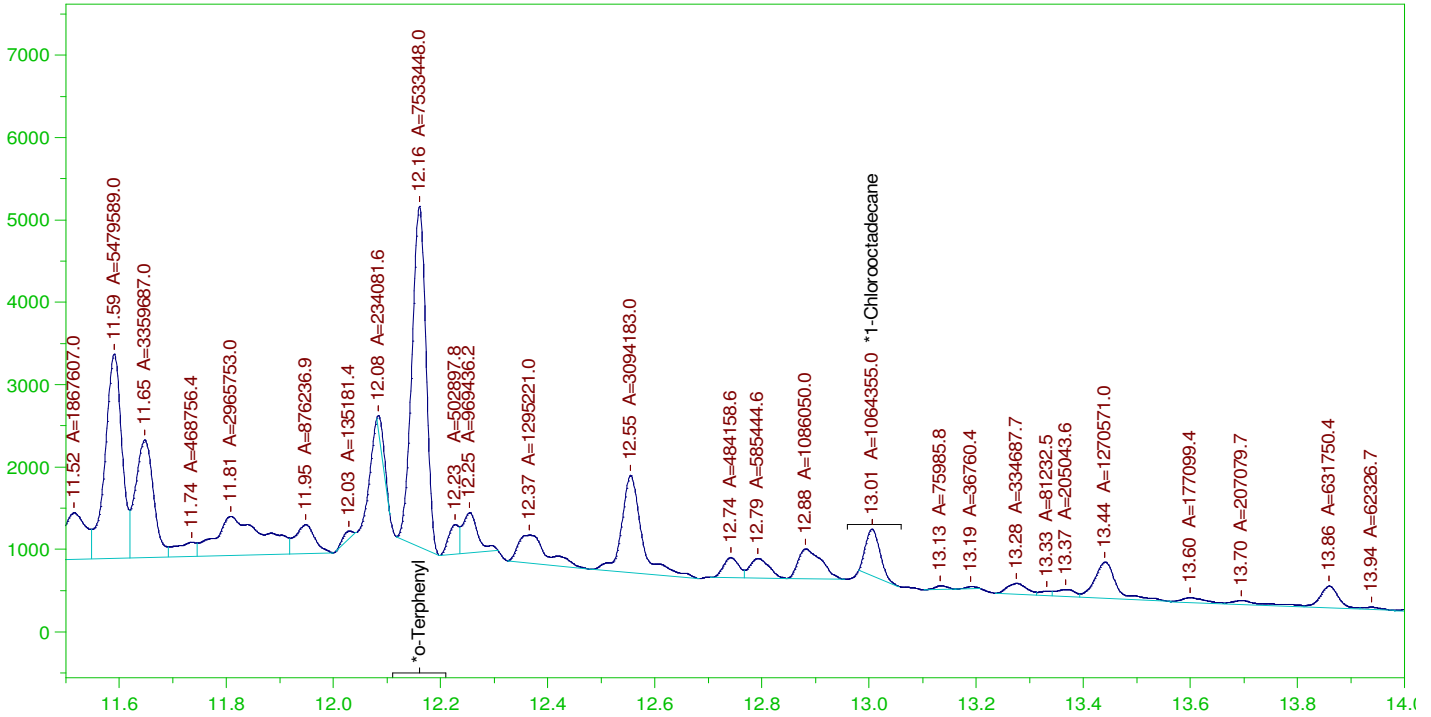
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0066.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 16607.65      | 110.72    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.16  | 200.   | 348.879  | 174.44 | 85-115 |
| *1-Chlorooctadecane | 13.006 | 200.   | 173.865  | 86.93  | 85-115 |

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0066.RAW

CCV\_0106HP566r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP566r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0066.RAW  
 Date & Time Acquired: 1/8/2022 7:12:23 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

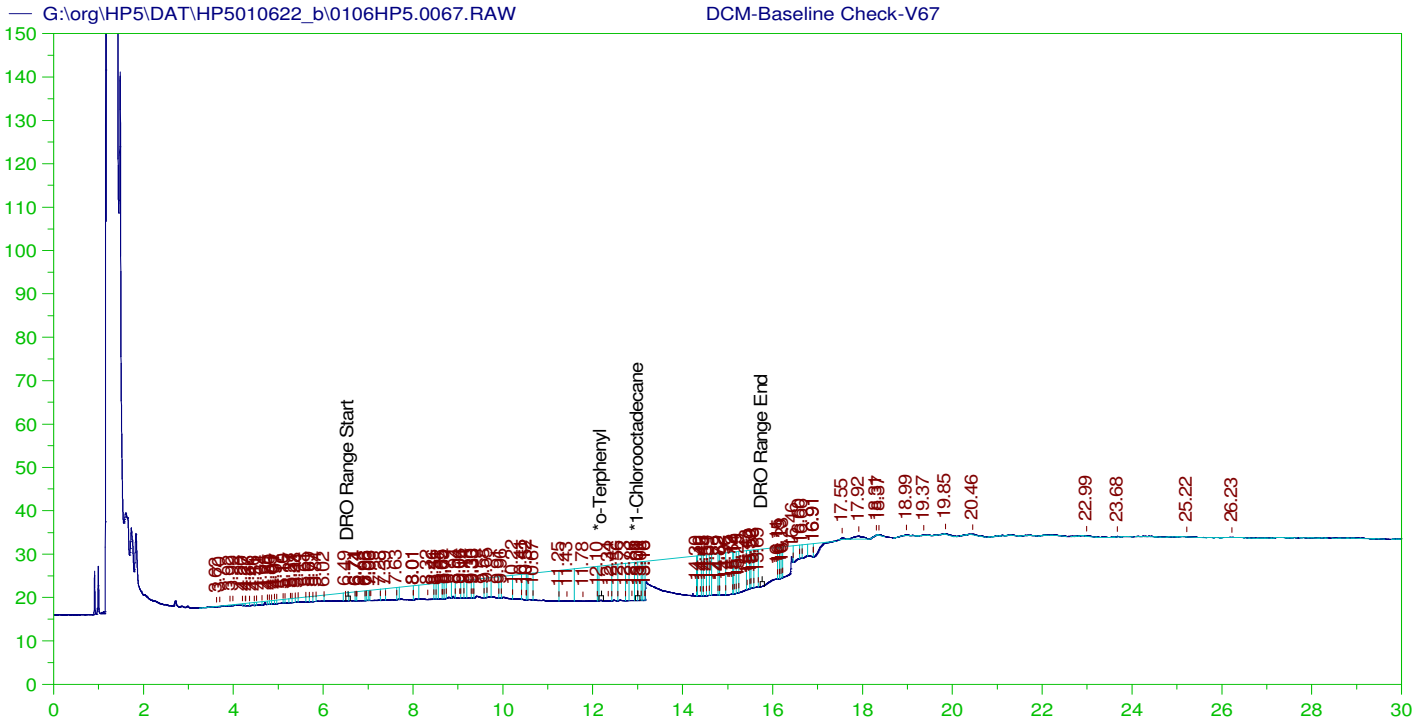
| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.16  | 200.   | 212.155  | 106.08 |
| *1-Chlorooctadecane | 13.006 | 200.   | 29.974   | 14.99  |

DRO Area: 2.781333E+08 DRO Amount: 8870.973  
 TEH Area: 2.892703E+08 TEH Amount: 9226.184

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0066.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 9226.18       | 61.51     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.16  | 200.   | 212.155  | 106.08 | 85-115 |
| *1-Chlorooctadecane | 13.006 | 200.   | 29.974   | 14.99  | 85-115 |



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V67  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0067.RAW  
 Date & Time Acquired: 1/8/2022 7:55:47 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 29.982 | 200.   | .        | .    |
| *1-Chlorooctadecane | 13.004 | 200.   | 1.118    | .56  |

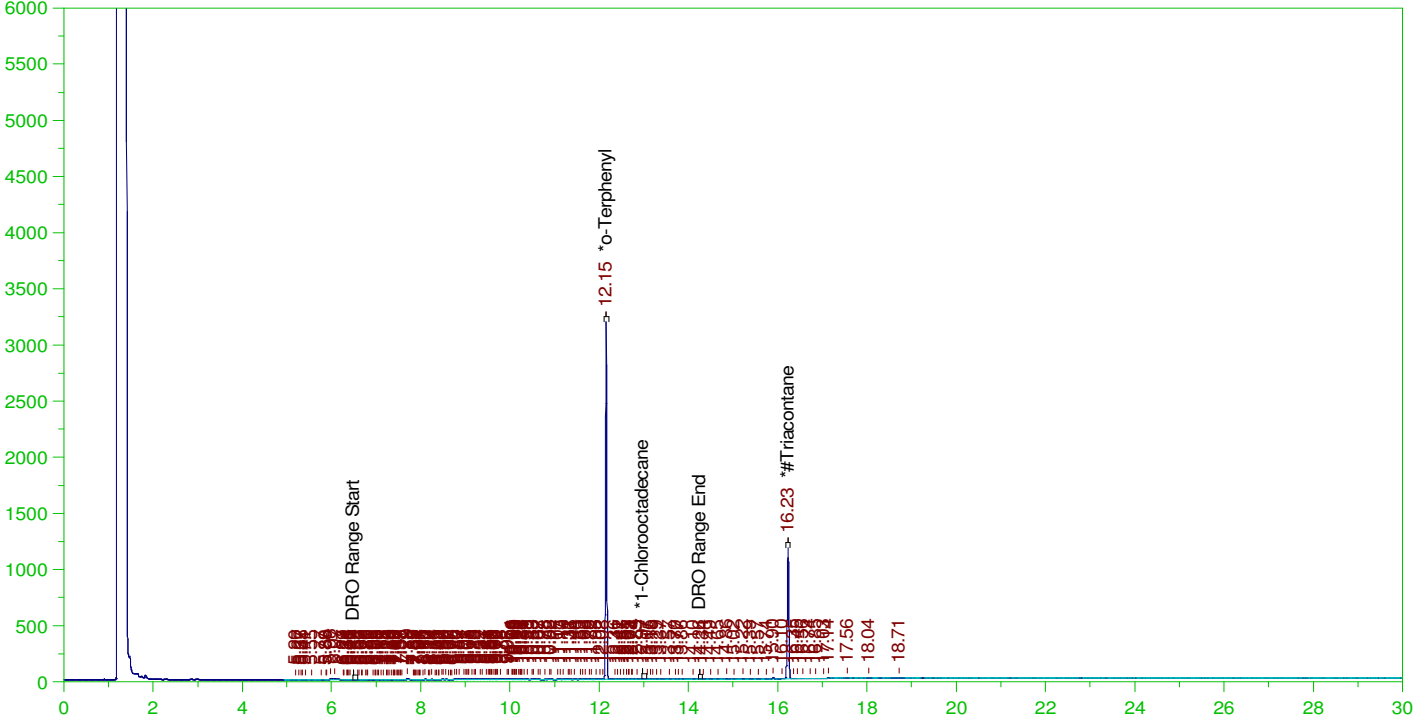
DRO Area: 3544393 DRO Amount: 113.0473  
 TEH Area: 3984046 TEH Amount: 127.0699

ERH2321 (RHMW14 Zone3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0068.RAW

B22010214-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010214-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0068.RAW  
 Date & Time Acquired: 1/8/2022 8:38:56 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.154 | .19    | .158     | 83.01 | - |
| *1-Chlorooctadecane | 12.971 | .19    | .        | .25   | - |
| *#Triacontane       | 16.228 | .19    | .098     | 51.5  | - |

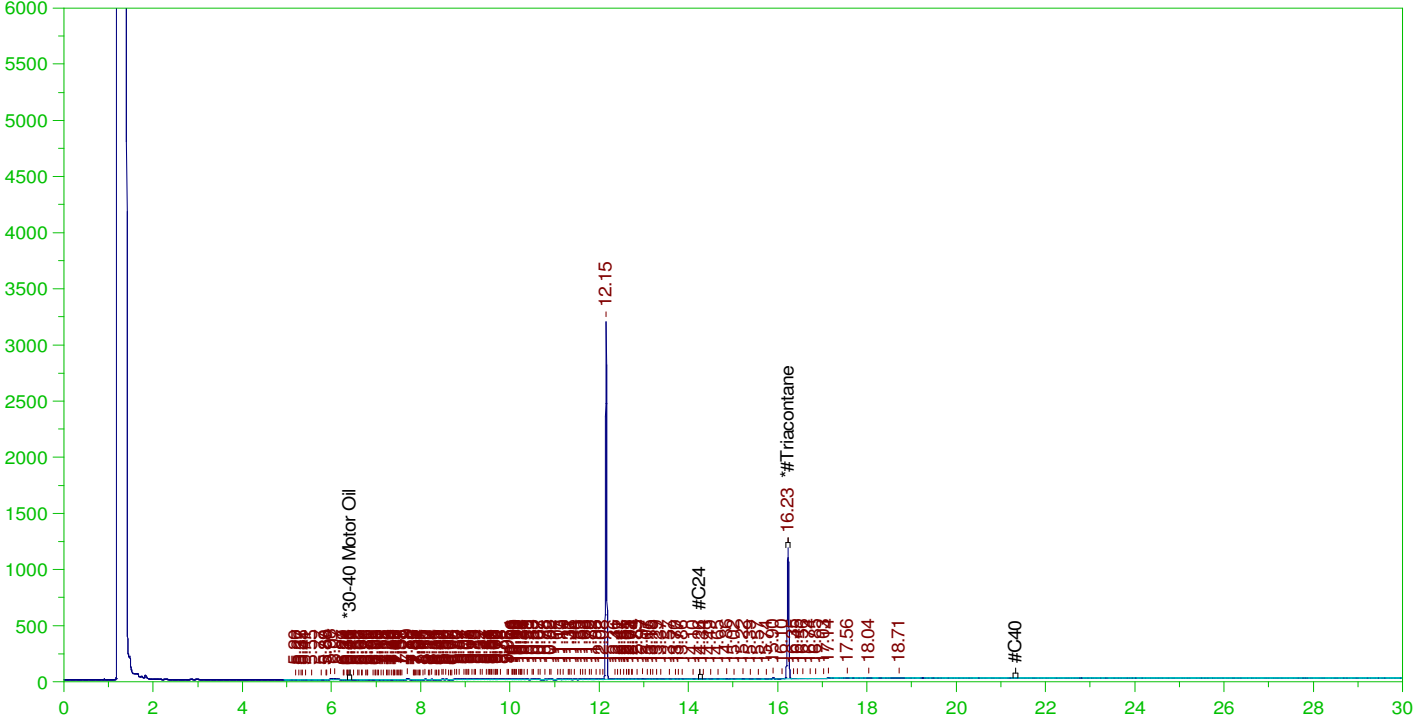
DRO Area:346207.1 DRO Amount: 1.051635E-02  
 TEH Area:631783.2 TEH Amount: 1.919097E-02

ERH2321 (RHMW14 Zone3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0068.RAW

B22010214-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010214-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0068.RAW  
 Date & Time Acquired: 1/8/2022 8:38:56 AM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC |
|--------------------|--------|--------|----------|------|
| *#Triacontane      | 16.228 | .476   | .098     | 20.6 |

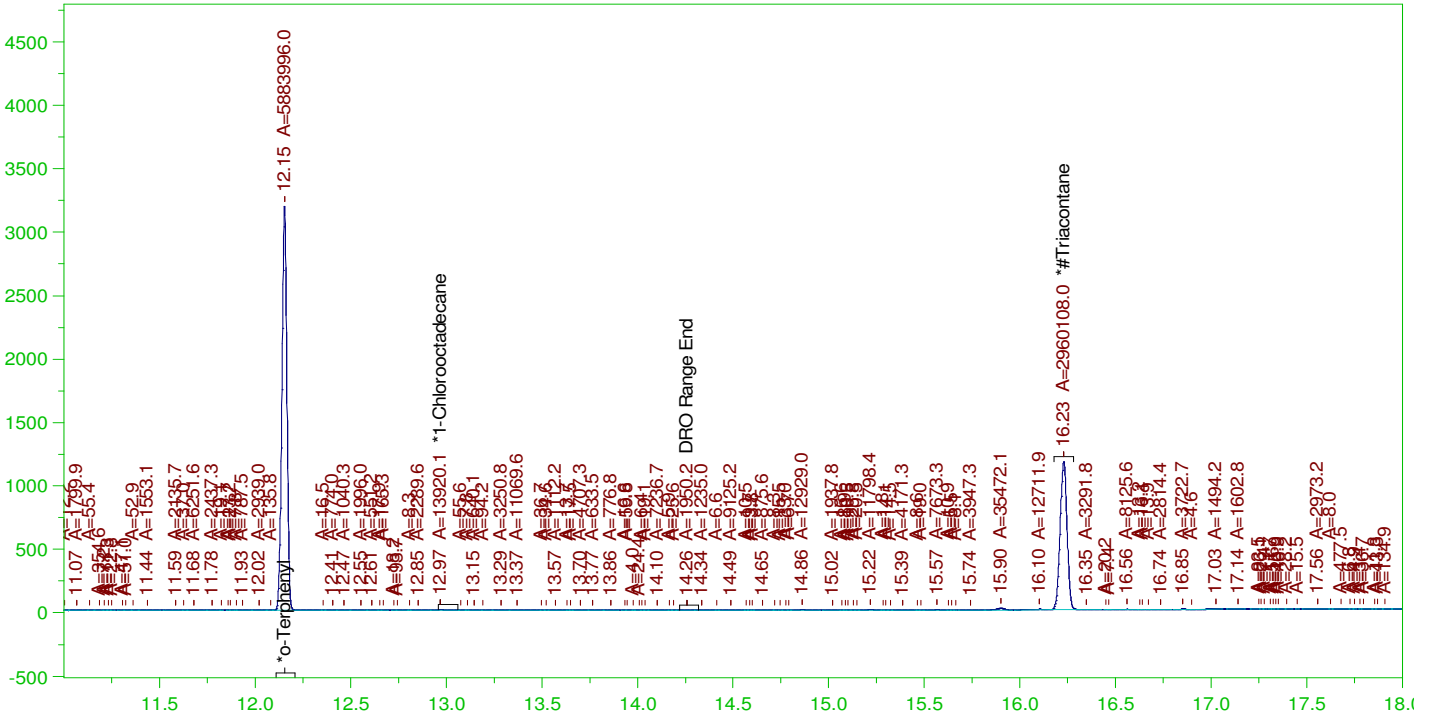
RRO Area:185227.1 RRO AMOUNT: 6.180513E-03

ERH2321 (RHMW14 Zone3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0068.RAW

B22010214-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010214-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0068.RAW  
 Date & Time Acquired: 1/8/2022 8:38:56 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.154 | .19    | .158     | 82.85 | - |
| *1-Chlorooctadecane | 12.971 | .19    | .        | .2    | - |
| *#Triacantane       | 16.228 | .19    | .097     | 51.16 | - |

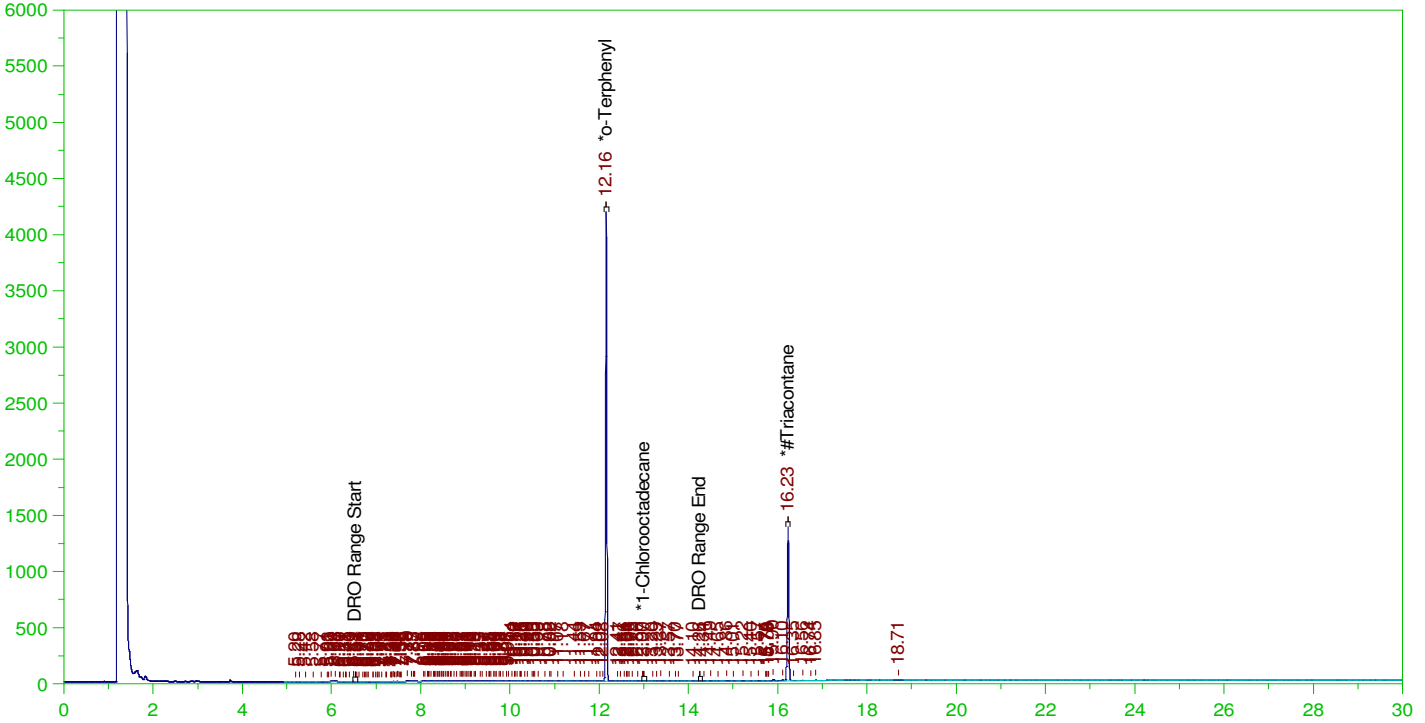
DRO Area:273846.1 DRO Amount: 8.318319E-03  
 TEH Area:559337.1 TEH Amount: 1.699036E-02

ERH2307 (RHMW13 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0069.RAW

B22010134-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010134-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0069.RAW  
 Date & Time Acquired: 1/8/2022 9:22:23 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.156 | .192   | .212     | 110.09 | - |
| *1-Chlorooctadecane | 13.004 | .192   | .        | .02    | - |
| *#Triacontane       | 16.228 | .192   | .115     | 59.77  | - |

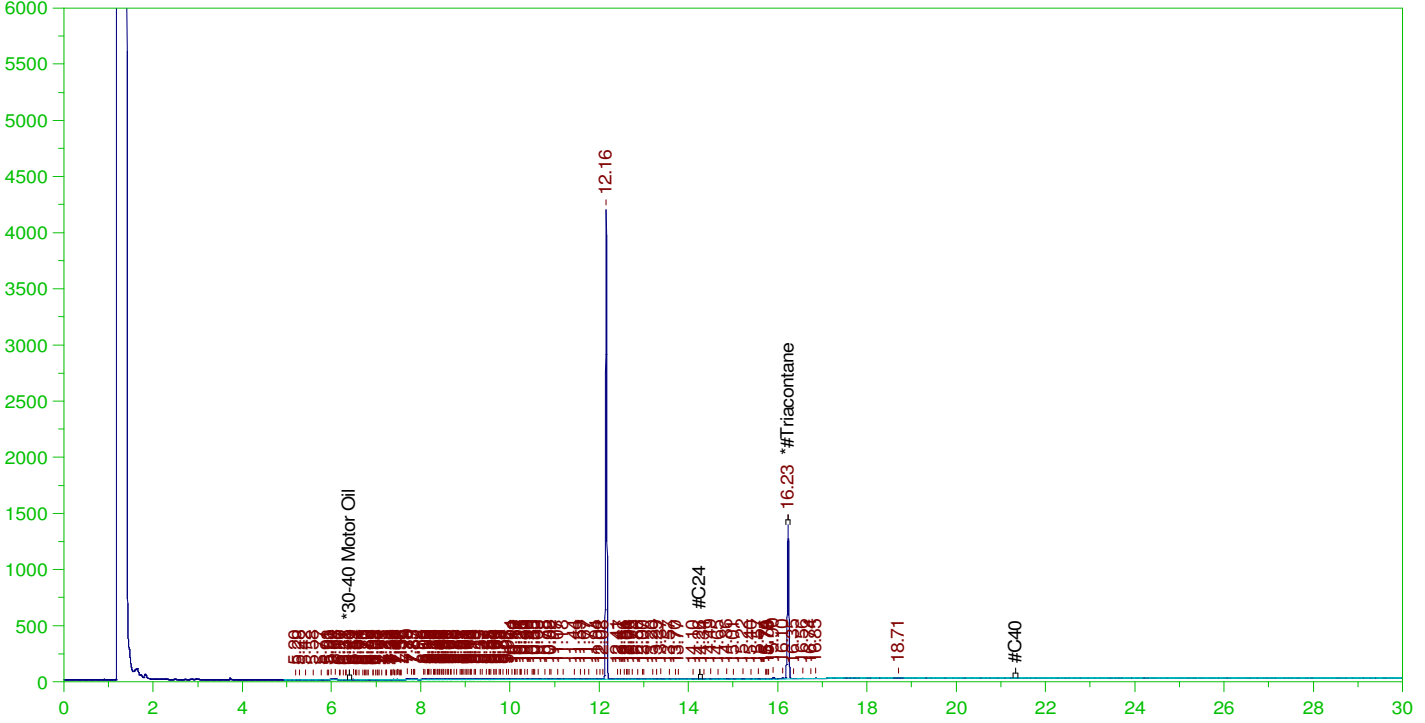
DRO Area:343503.8 DRO Amount: 1.053456E-02  
 TEH Area:563228.3 TEH Amount: 1.727306E-02

ERH2307 (RHMW13 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0069.RAW

B22010134-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010134-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0069.RAW  
 Date & Time Acquired: 1/8/2022 9:22:23 AM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.228 | .481   | .115     | 23.91 |

RRO Area:170016.7 RRO AMOUNT: 5.727534E-03

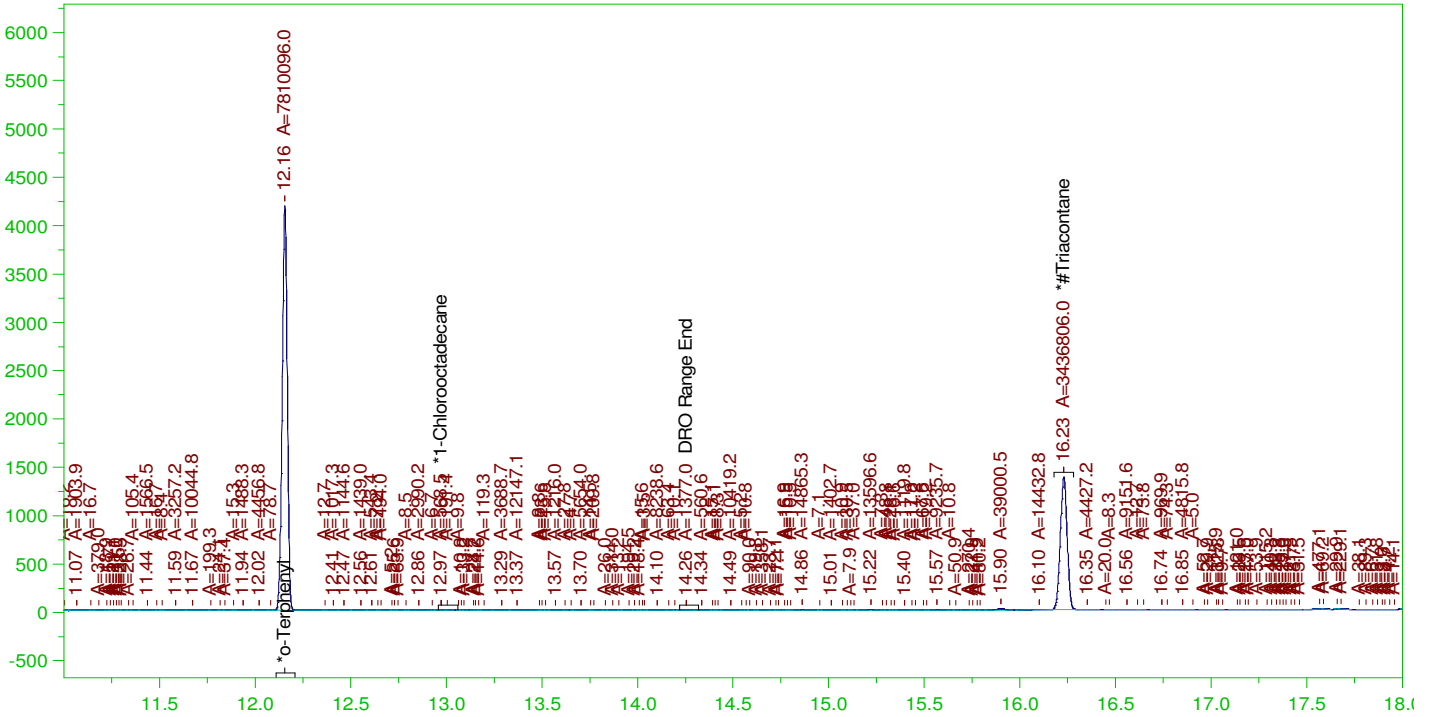


ERH2307 (RHMW13 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0069.RAW

B22010134-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010134-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0069.RAW  
 Date & Time Acquired: 1/8/2022 9:22:23 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.156 | .192   | .211     | 109.97 |
| *1-Chlorooctadecane | 12.973 | .192   | .        | .01    |
| *#Triacontane       | 16.228 | .192   | .114     | 59.4   |

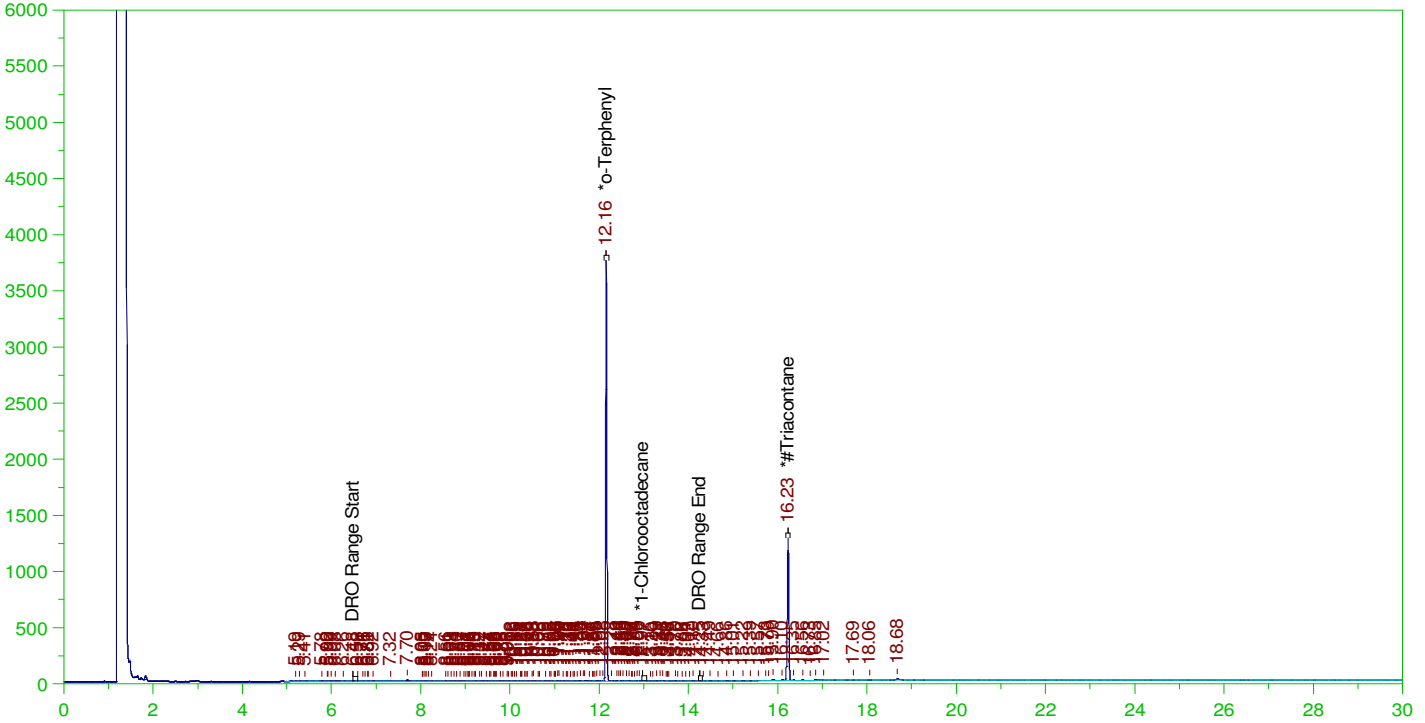
DRO Area:278572.7 DRO Amount: 8.543257E-03  
 TEH Area:535535.6 TEH Amount: 1.642379E-02

ERH2301 (OWDFMW05A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0070.RAW

B22010219-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010219-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0070.RAW  
 Date & Time Acquired: 1/8/2022 10:05:46 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.156 | .2     | .197     | 98.38 | - |
| *1-Chlorooctadecane | 12.969 | .2     | .001     | .35   | - |
| *#Triacontane       | 16.228 | .2     | .111     | 55.54 | - |

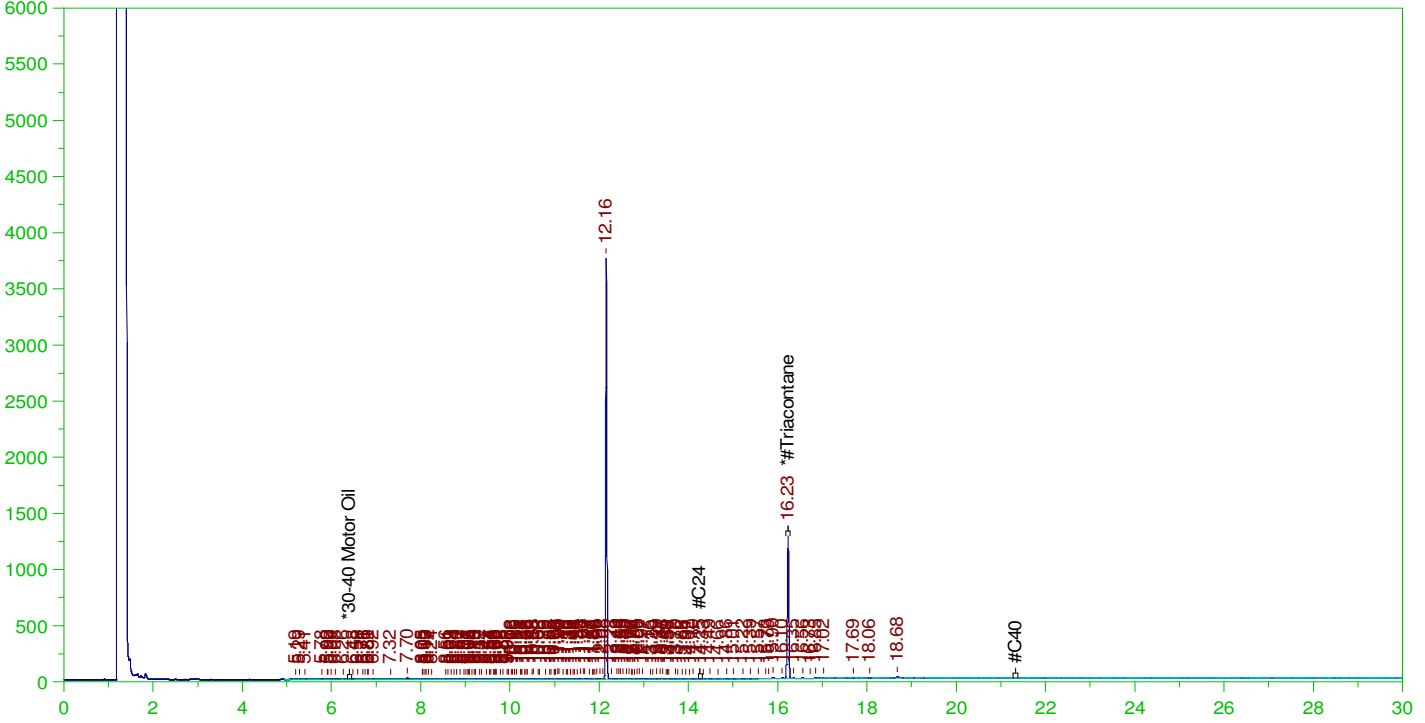
DRO Area:547033.4 DRO Amount: 1.744745E-02  
 TEH Area:812765.4 TEH Amount: 2.592289E-02

ERH2301 (OWDFMW05A)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0070.RAW

Batch ID: 162703

B22010219-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010219-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0070.RAW  
 Date & Time Acquired: 1/8/2022 10:05:46 AM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.228 | .5     | .111     | 22.21 |

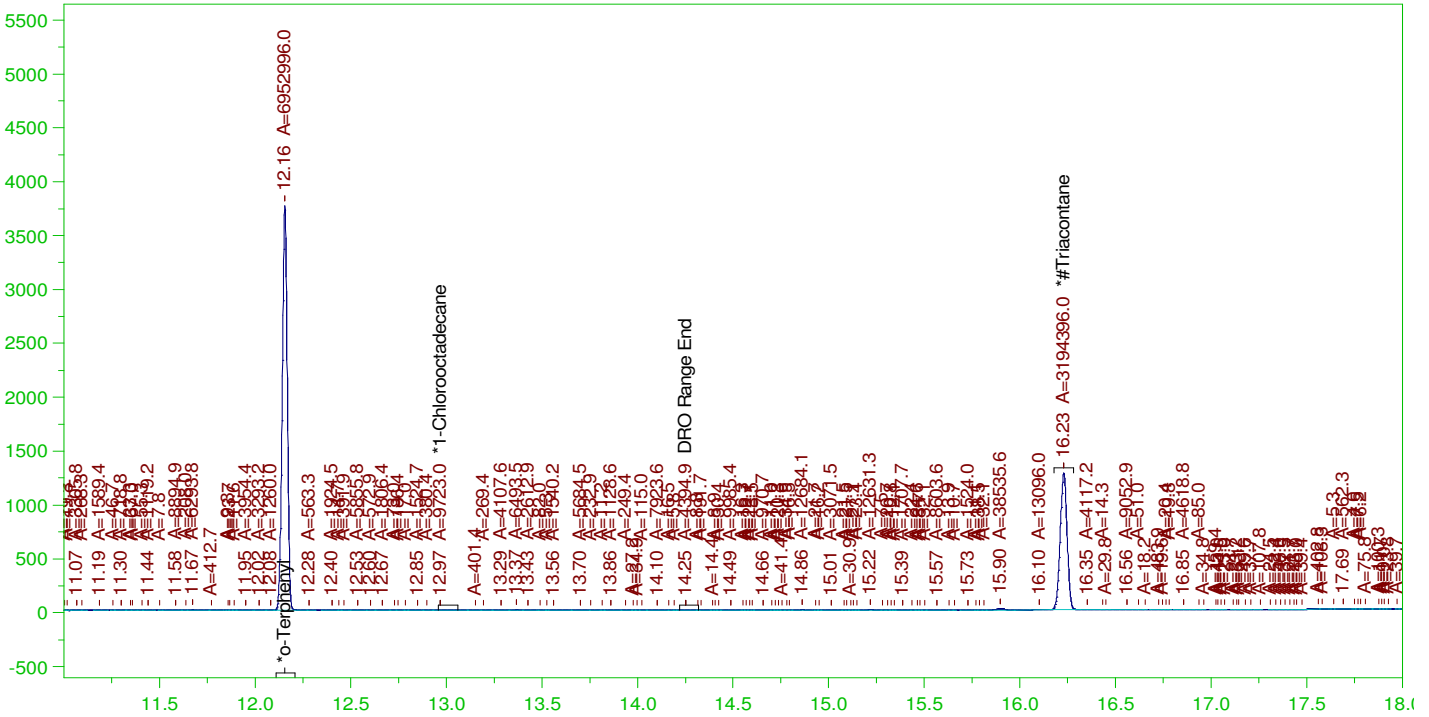
RRO Area:204253.1 RRO AMOUNT: 7.156125E-03

ERH2301 (OWDFMW05A)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0070.RAW

B22010219-001D ; 0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

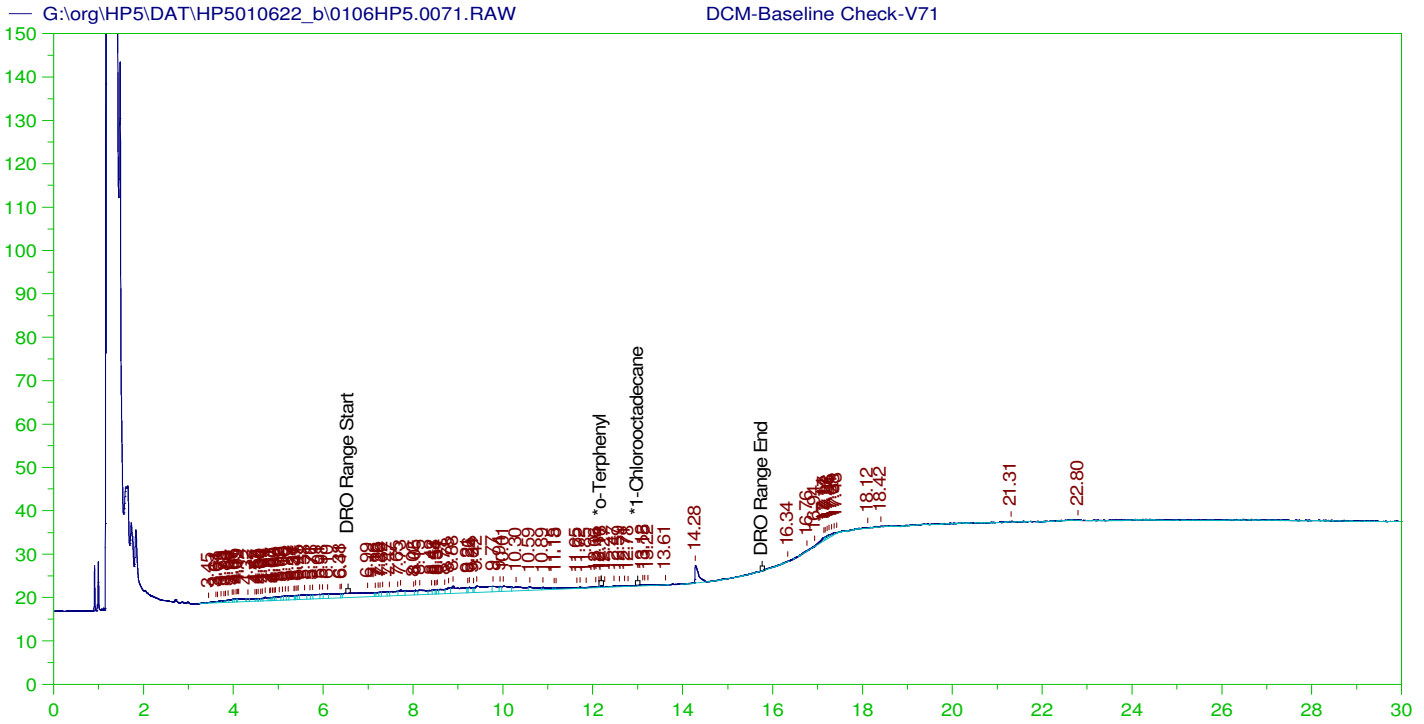
Sample Name: B22010219-001D ; 0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0070.RAW  
 Date & Time Acquired: 1/8/2022 10:05:46 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.156 | .2     | .196     | 97.9  | - |
| *1-Chlorooctadecane | 12.969 | .2     | .        | .14   | - |
| *Triacontane        | 16.228 | .2     | .11      | 55.21 | - |

DRO Area: 249620.6 DRO Amount: 7.961568E-03  
 TEH Area: 516384.1 TEH Amount: 1.646991E-02



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V71  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0071.RAW  
 Date & Time Acquired: 1/8/2022 10:49:16 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |   |
|---------------------|--------|--------|----------|------|---|
| *o-Terphenyl        | 12.182 | 200.   | .06      | .03  | - |
| *1-Chlorooctadecane | 29.972 | 200.   | .        | .    | - |

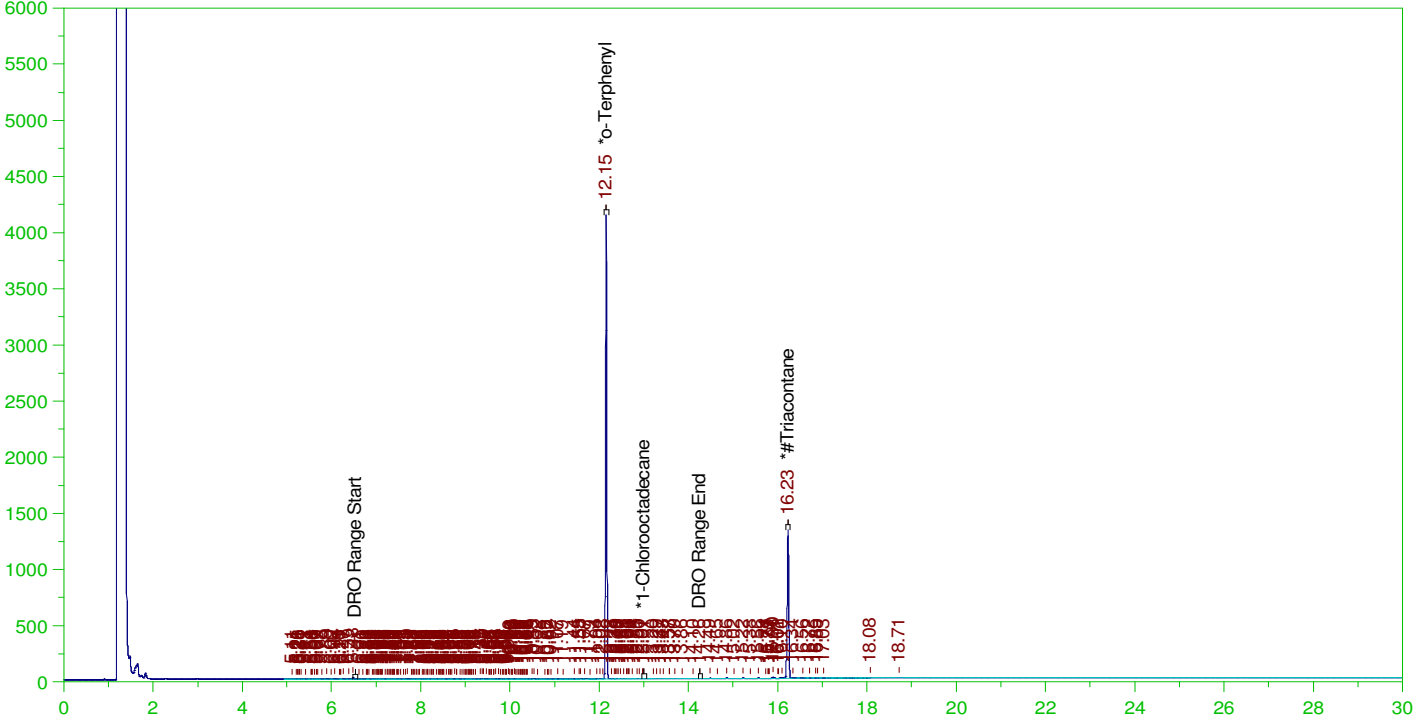
DRO Area:320416.3 DRO Amount: 10.21957  
 TEH Area:506689 TEH Amount: 16.16068

ERH2313 (RHMW11 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0072.RAW

B22010145-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010145-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0072.RAW  
 Date & Time Acquired: 1/8/2022 11:32:47 AM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.155 | .2     | .215     | 107.7 | - |
| *1-Chlorooctadecane | 13.007 | .2     | .        | .04   | - |
| *#Triacontane       | 16.226 | .2     | .115     | 57.7  | - |

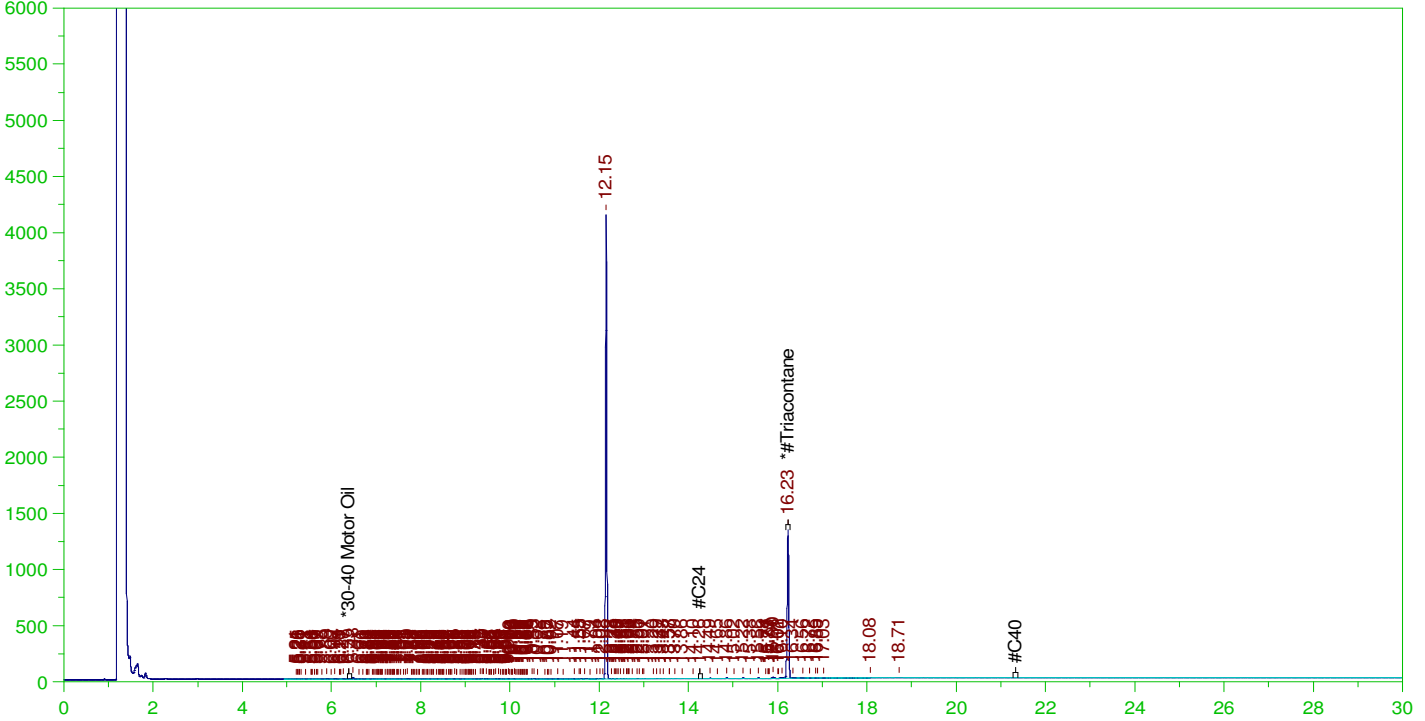
DRO Area:378487.4 DRO Amount: 1.207174E-02  
 TEH Area:724551.6 TEH Amount: 2.310934E-02

ERH2313 (RHMW11 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0072.RAW

B22010145-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010145-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0072.RAW  
 Date & Time Acquired: 1/8/2022 11:32:47 AM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.226 | .5     | .115     | 23.08 |

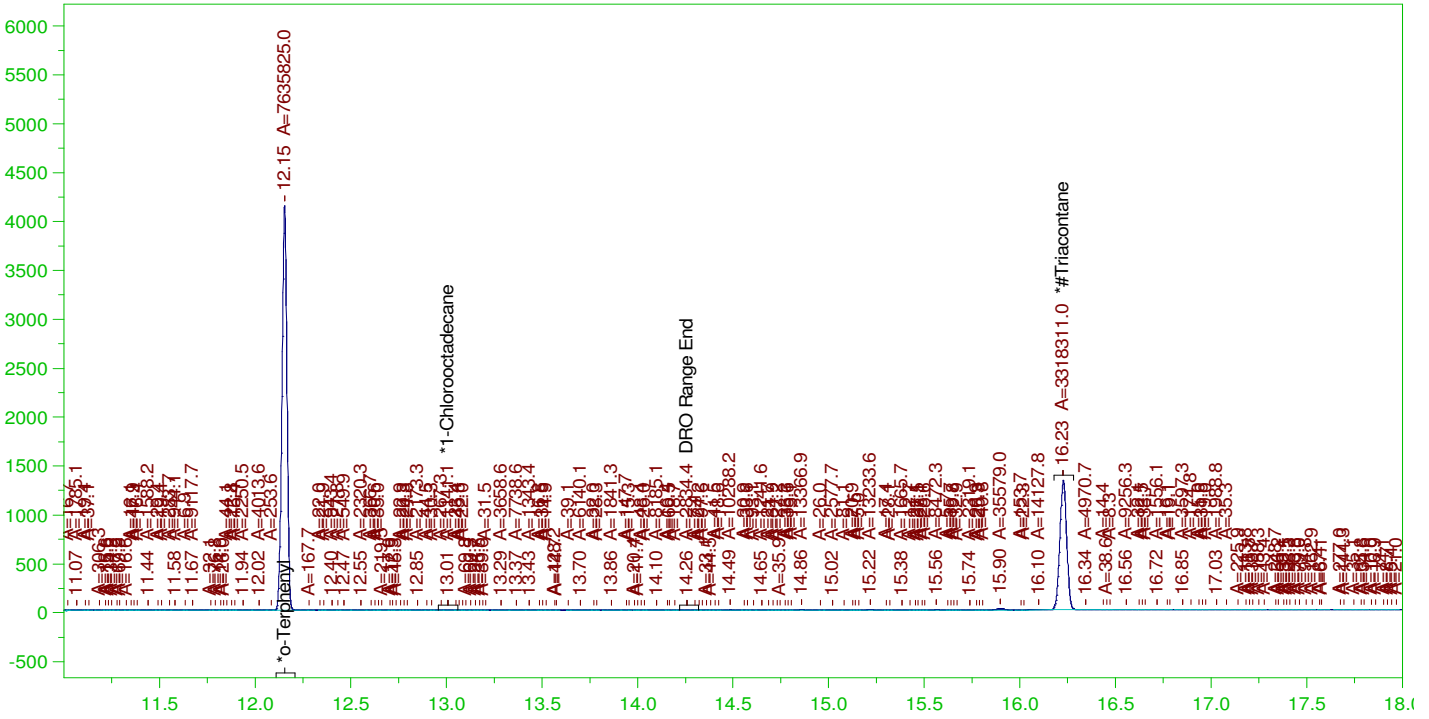
RRO Area:181042.4 RRO AMOUNT: 6.342925E-03

ERH2313 (RHMW11 zone 5)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0072.RAW

B22010145-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010145-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0072.RAW  
 Date & Time Acquired: 1/8/2022 11:32:47 AM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.155 | .2     | .215     | 107.52 |
| *1-Chlorooctadecane | 13.007 | .2     | .02      | -      |
| *#Triacontane       | 16.226 | .2     | .115     | 57.35  |

DRO Area:356908.6 DRO Amount: 1.138349E-02  
 TEH Area:790210.4 TEH Amount: 2.520351E-02

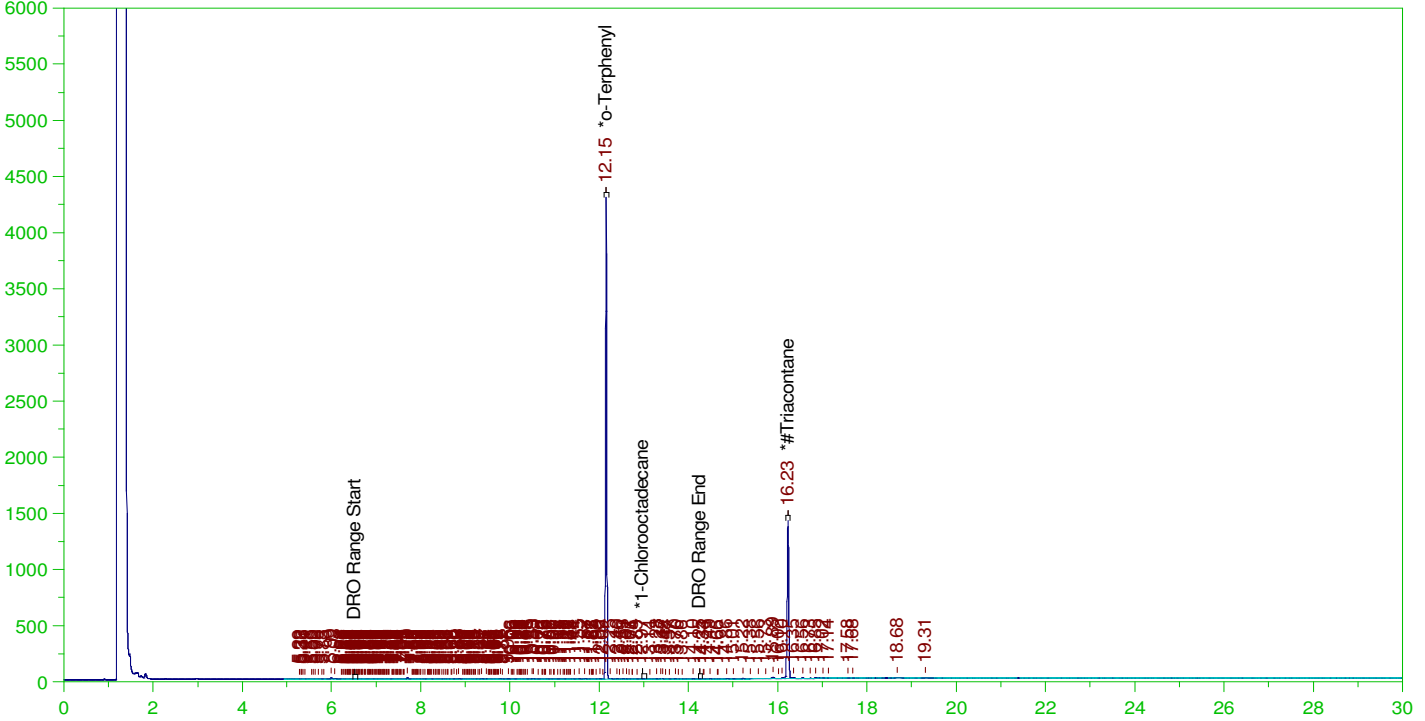


ERH2317 (RHMW09)

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0073.RAW

Batch ID: 162703

B22010209-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010209-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0073.RAW  
 Date & Time Acquired: 1/8/2022 12:15:54 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-C24T-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC     |
|---------------------|--------|--------|----------|----------|
| *o-Terphenyl        | 12.154 | .192   | .215     | 111.91 - |
| *1-Chlorooctadecane | 12.969 | .192   | .        | .19 -    |
| *#Triacontane       | 16.226 | .192   | .119     | 62.01 -  |

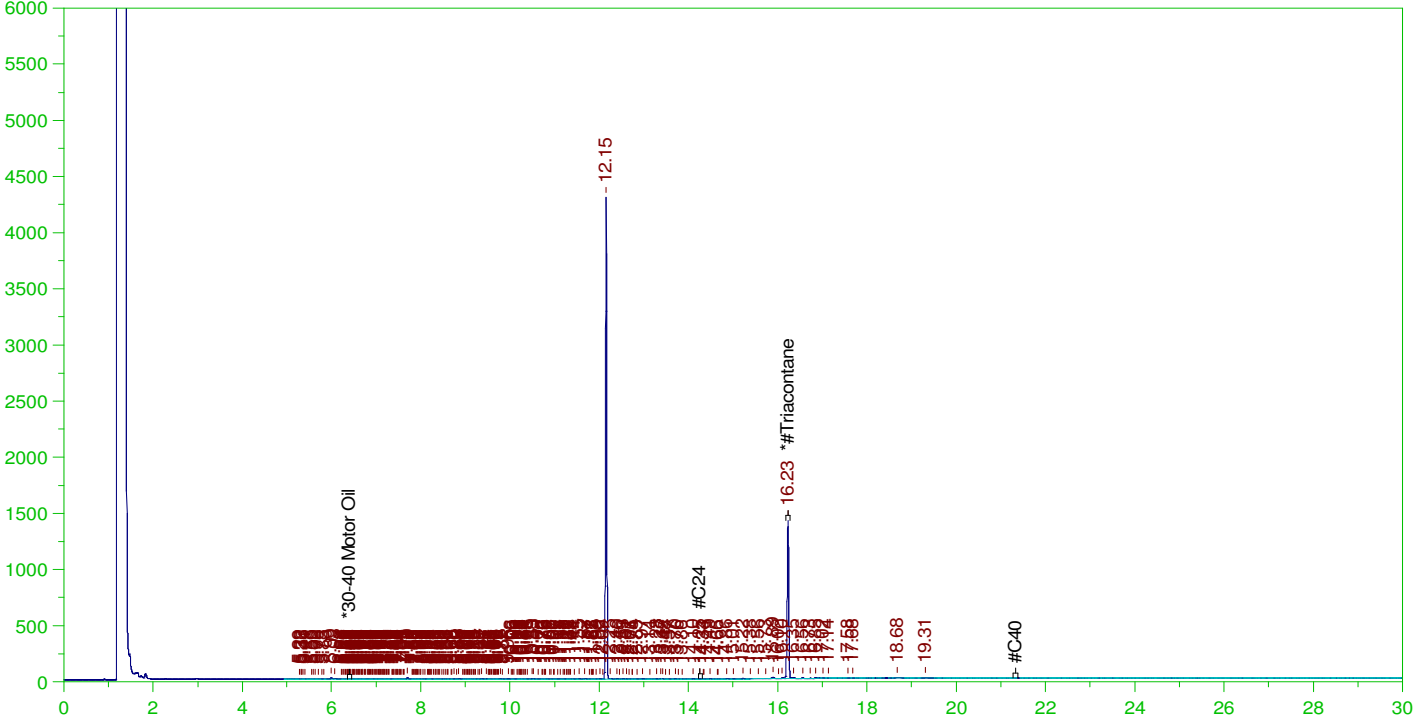
DRO Area:552421.9 DRO Amount: 1.694165E-02  
 TEH Area:927653 TEH Amount: 2.844923E-02

ERH2317 (RHMW09)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0073.RAW

B22010209-001D ;0106HP5 , \$HC-8015-DRO-W, SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010209-001D ;0106HP5 , \$HC-8015-DRO-W, SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0073.RAW  
 Date & Time Acquired: 1/8/2022 12:15:54 PM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1040 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC |
|--------------------|--------|--------|----------|------|
| *#Triacontane      | 16.226 | .481   | .119     | 24.8 |

RRO Area:254445.7 RRO AMOUNT: 8.571783E-03

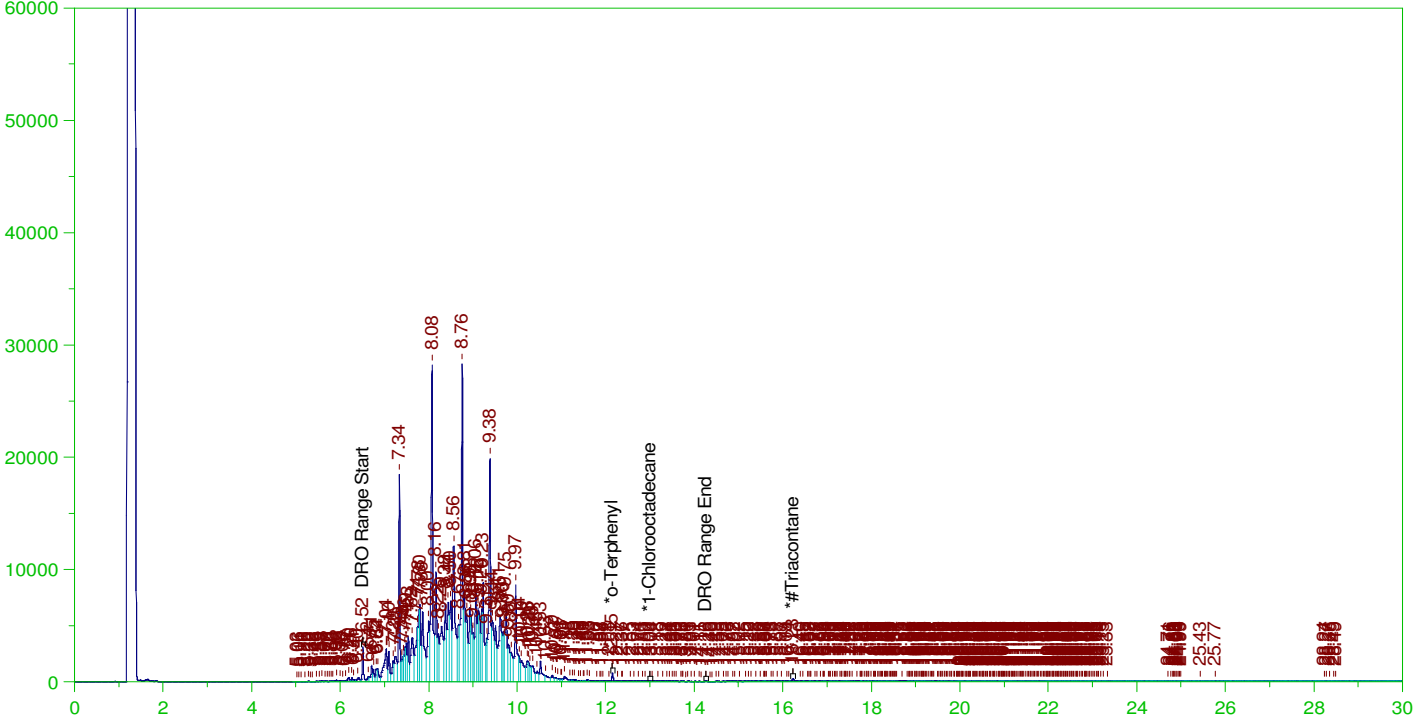


ERH2336 (Sump Adit3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0074.RAW

B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, SGT,,(1,5)



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, SGT,, (1,5)  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0074.RAW  
 Date & Time Acquired: 1/8/2022 12:59:15 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-010674-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1030 Dilution: 5 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |   |
|---------------------|--------|--------|----------|--------|---|
| *o-Terphenyl        | 12.151 | .194   | .206     | 106.15 | - |
| *1-Chlorooctadecane | 13.005 | .194   | .005     | 2.45   | - |
| *#Triacontane       | 16.225 | .194   | .114     | 58.53  | - |

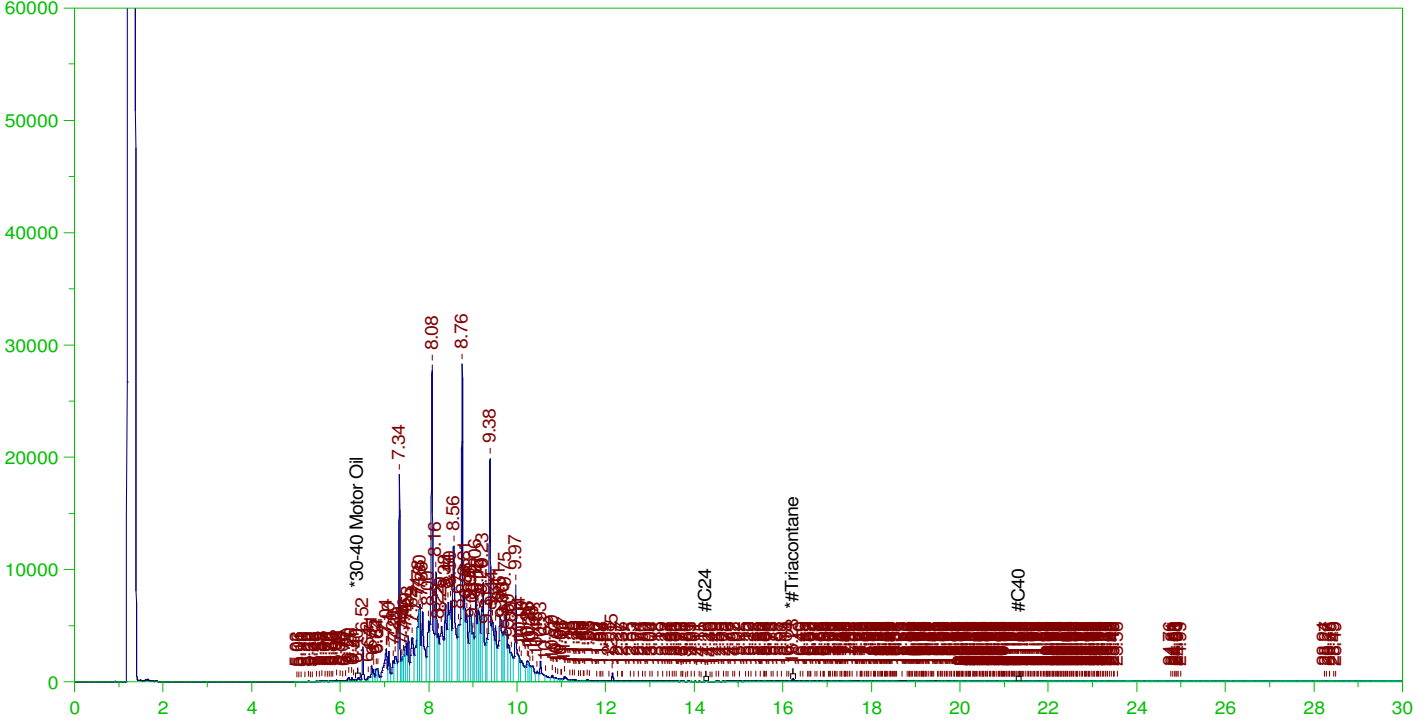
DRO Area: 9.942164E+08 DRO Amount: 153.9331  
 TEH Area: 1.001299E+09 TEH Amount: 155.0297

ERH2336 (Sump Adit3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0074.RAW

B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, SGT,,(1,5)



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, SGT,, (1,5)  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0074.RAW  
 Date & Time Acquired: 1/8/2022 12:59:15 PM  
 Method File: G:\Org\HP5\Methods\DR\_OROS-010674-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN-SAMP.CAL  
 Sample Weight: 1030 Dilution: 5 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 14.22 to 21.38

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.225 | .485   | .114     | 23.43 |

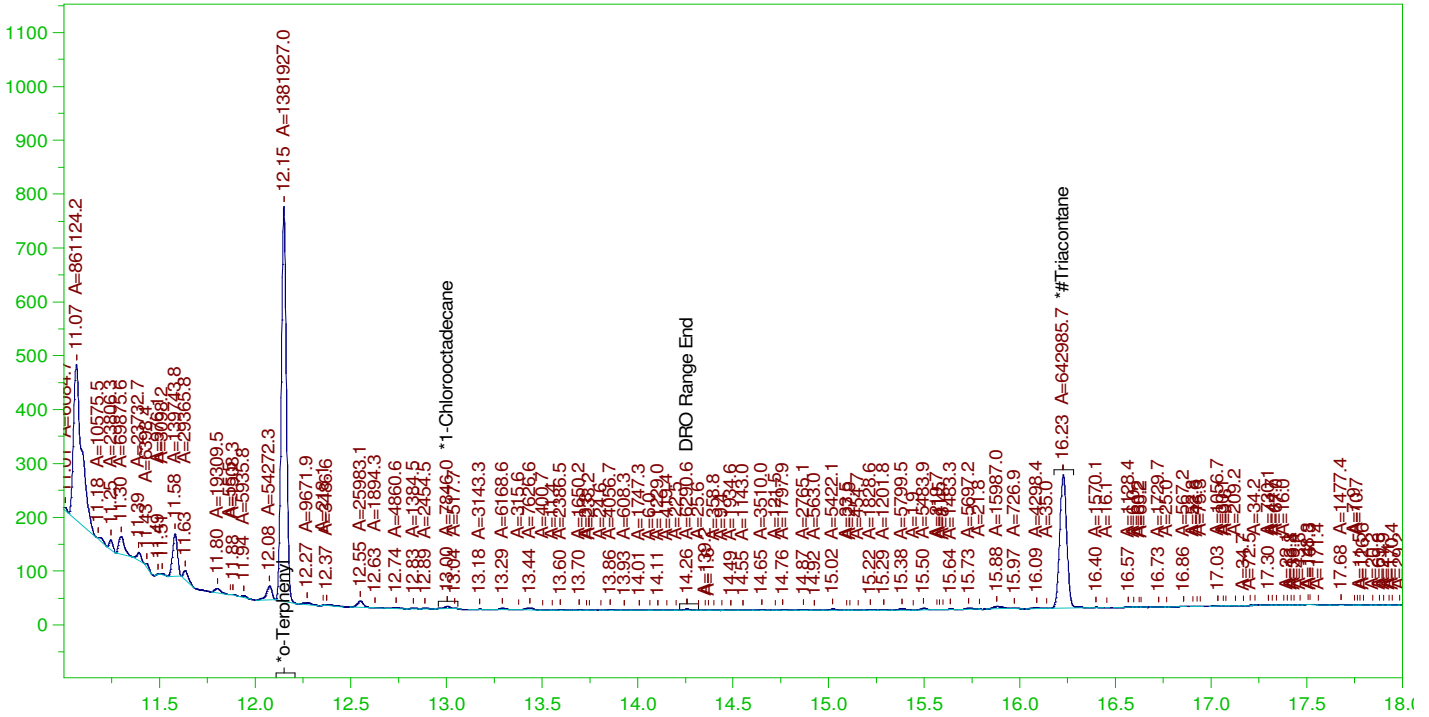
RRO Area:1719763 RRO AMOUNT: 0.2924897

ERH2336 (Sump Adit3)

Batch ID: 162703

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0074.RAW

B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, SGT,,(1,5)



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

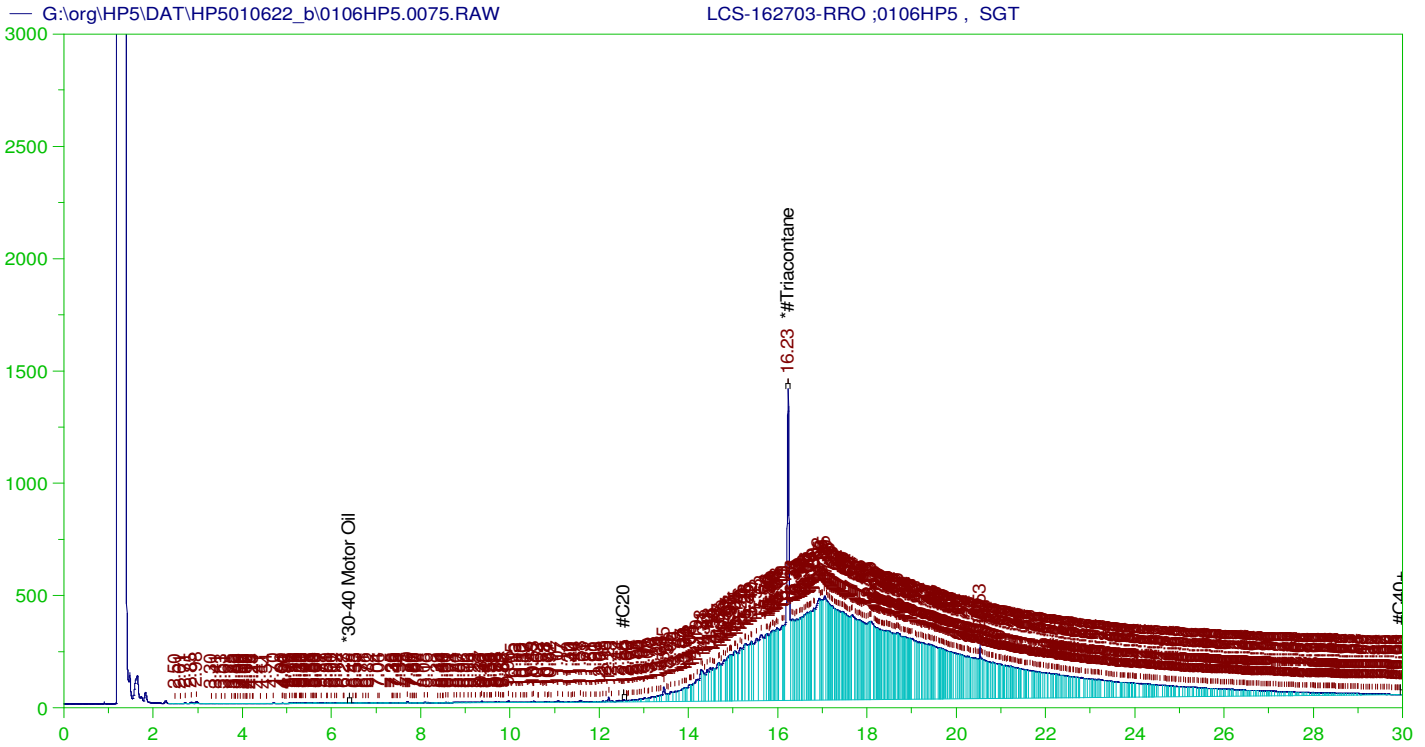
Sample Name: B22010211-001D ;0106HP5 , \$HC-8015-DRO-W, SGT,, (1,5)  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0074.RAW  
 Date & Time Acquired: 1/8/2022 12:59:15 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-C24T-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24-Tri.CAL  
 Sample Weight: 1030 Dilution: 5 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |   |
|---------------------|--------|--------|----------|-------|---|
| *o-Terphenyl        | 12.151 | .194   | .189     | 97.29 | - |
| *1-Chlorooctadecane | 13.005 | .194   | .001     | .55   | - |
| *#Triacontane       | 16.225 | .194   | .108     | 55.56 | - |

DRO Area: 9.3546E+08 DRO Amount: 144.8359  
 TEH Area: 9.397164E+08 TEH Amount: 145.4949



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: LCS-162703-RRO ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0075.RAW  
 Date & Time Acquired: 1/8/2022 1:42:17 PM  
 Method File: G:\Org\HP5\Methods\D3\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

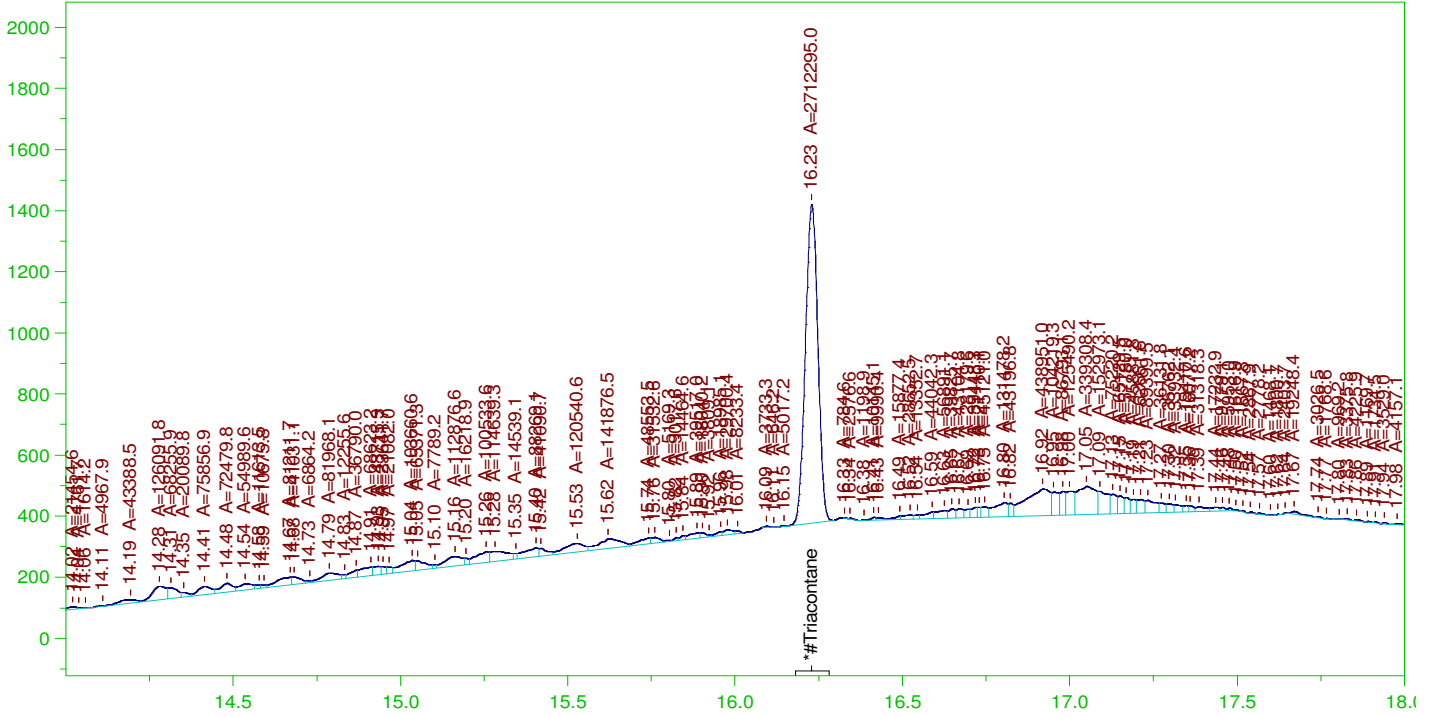
Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.229 | .5     | .191     | 38.16 | - |

RRO TEH (Oil Range) Area:1.385494E+08 RRO TEH (Oil Range) AMOUNT: 4.854159

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0075.RAW

LCS-162703-RRO ;0106HP5 , SGT



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: LCS-162703-RRO ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0075.RAW  
 Date & Time Acquired: 1/8/2022 1:42:17 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

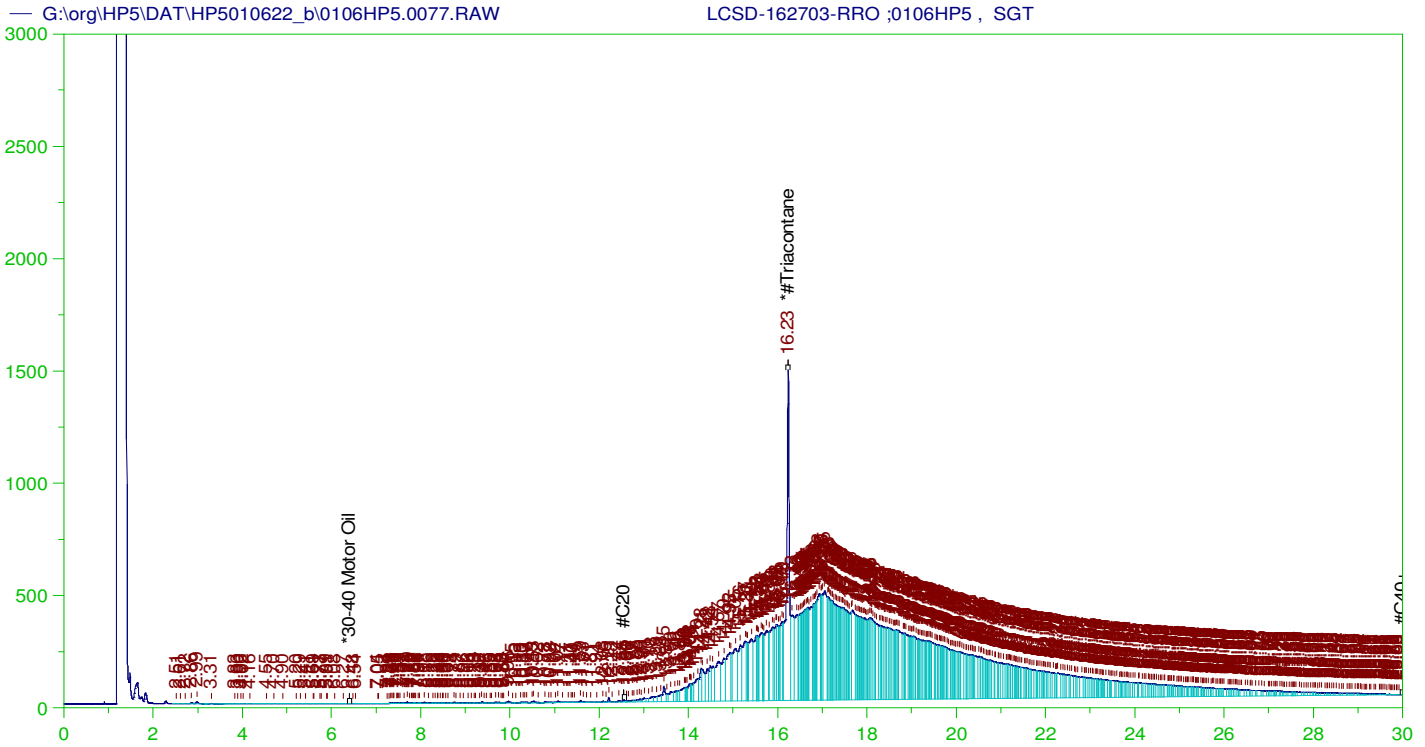
Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.229 | .5     | .094     | 18.75 |

RRO Area:5193838 RRO AMOUNT: 0.1819691







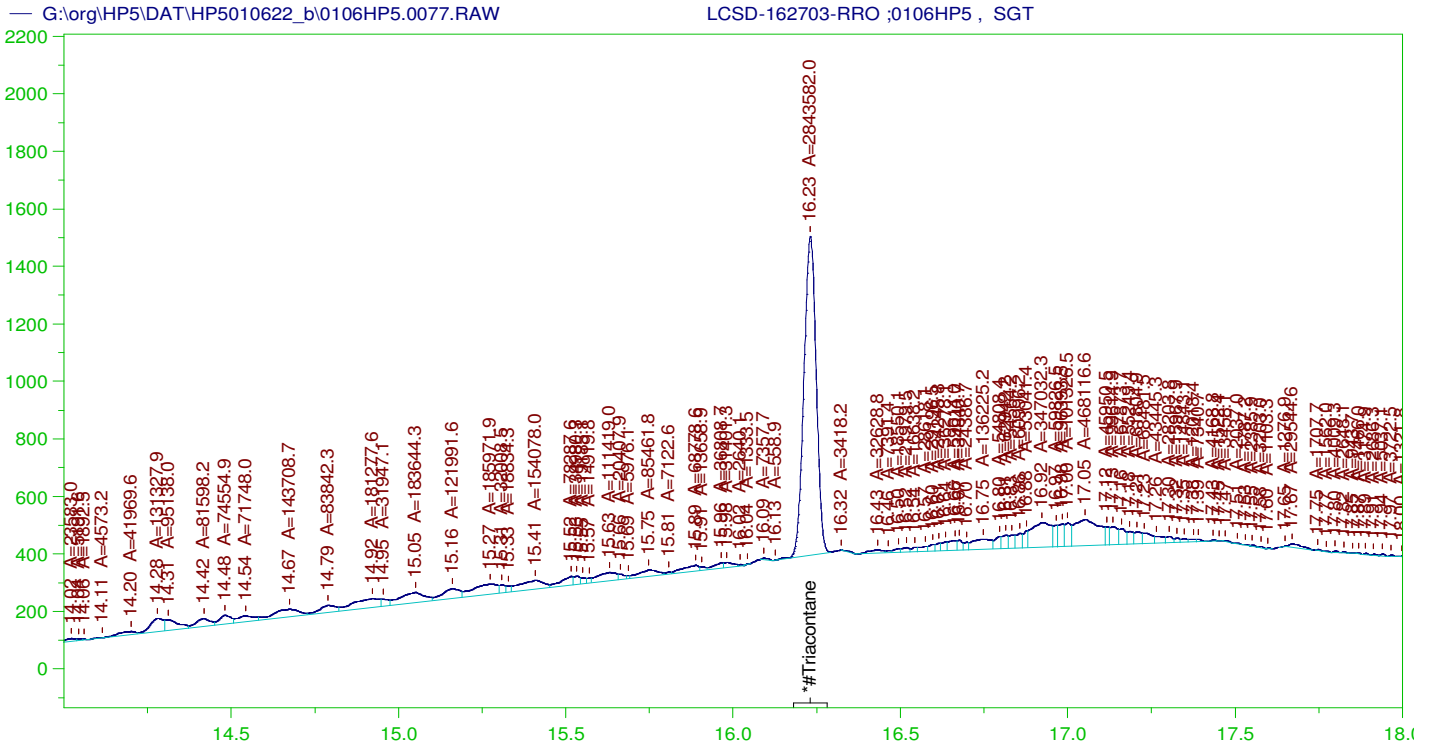
**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: LCSD-162703-RRO ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0077.RAW  
 Date & Time Acquired: 1/8/2022 3:08:33 PM  
 Method File: G:\Org\HP5\Methods\D3\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.231 | .5     | .218     | 43.51 |

RRO TEH (Oil Range) Area:1.4533E+08 RRO TEH (Oil Range) AMOUNT: 5.09172



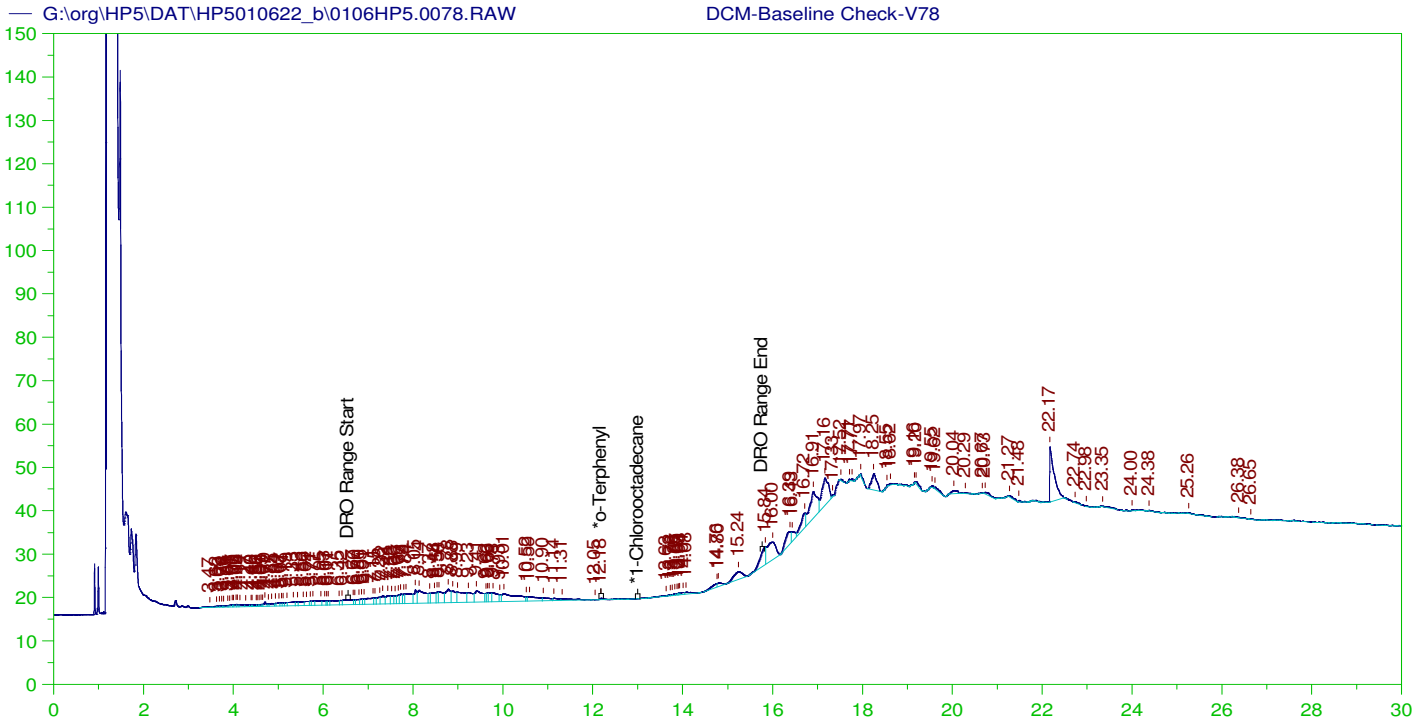
**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: LCSD-162703-RRO ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0077.RAW  
 Date & Time Acquired: 1/8/2022 3:08:33 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.231 | .5     | .098     | 19.66 |

RRO Area:5246114 RRO AMOUNT: 0.1838006



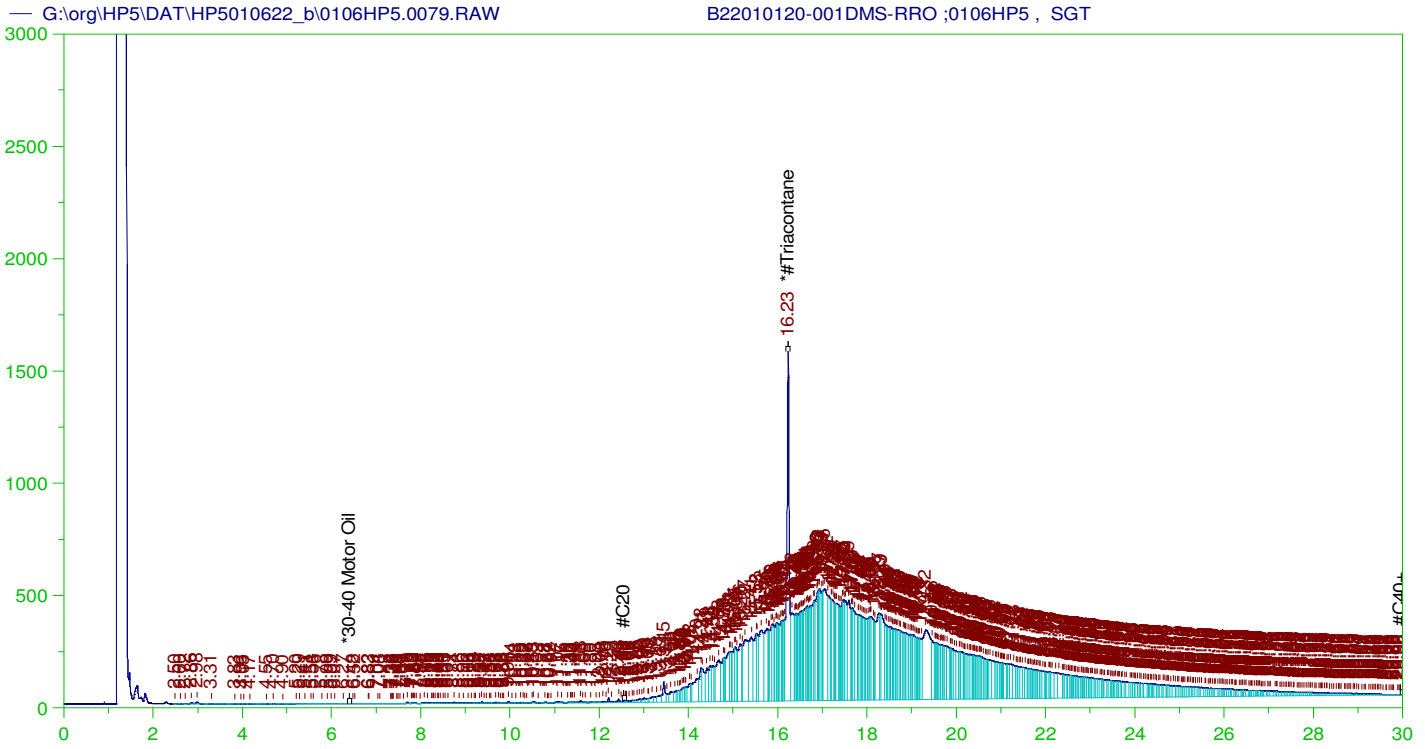
**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: DCM-Baseline Check-V78  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0078.RAW  
 Date & Time Acquired: 1/8/2022 3:51:38 PM  
 Method File: G:\Org\HP5\Methods\DR\_8015-IC-LEXP.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IC.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19  
 Rt range for Diesel Range Organics: 6.5 to 15.82

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC |
|---------------------|--------|--------|----------|------|
| *o-Terphenyl        | 12.177 | 200.   | .041     | .02  |
| *1-Chlorooctadecane | 29.944 | 200.   | .        | .    |

DRO Area: 556705.5 DRO Amount: 17.75594  
 TEH Area: 1157048 TEH Amount: 36.90366



**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: B22010120-001DMS-RRO ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0079.RAW  
 Date & Time Acquired: 1/8/2022 4:34:50 PM  
 Method File: G:\Org\HP5\Methods\D3\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

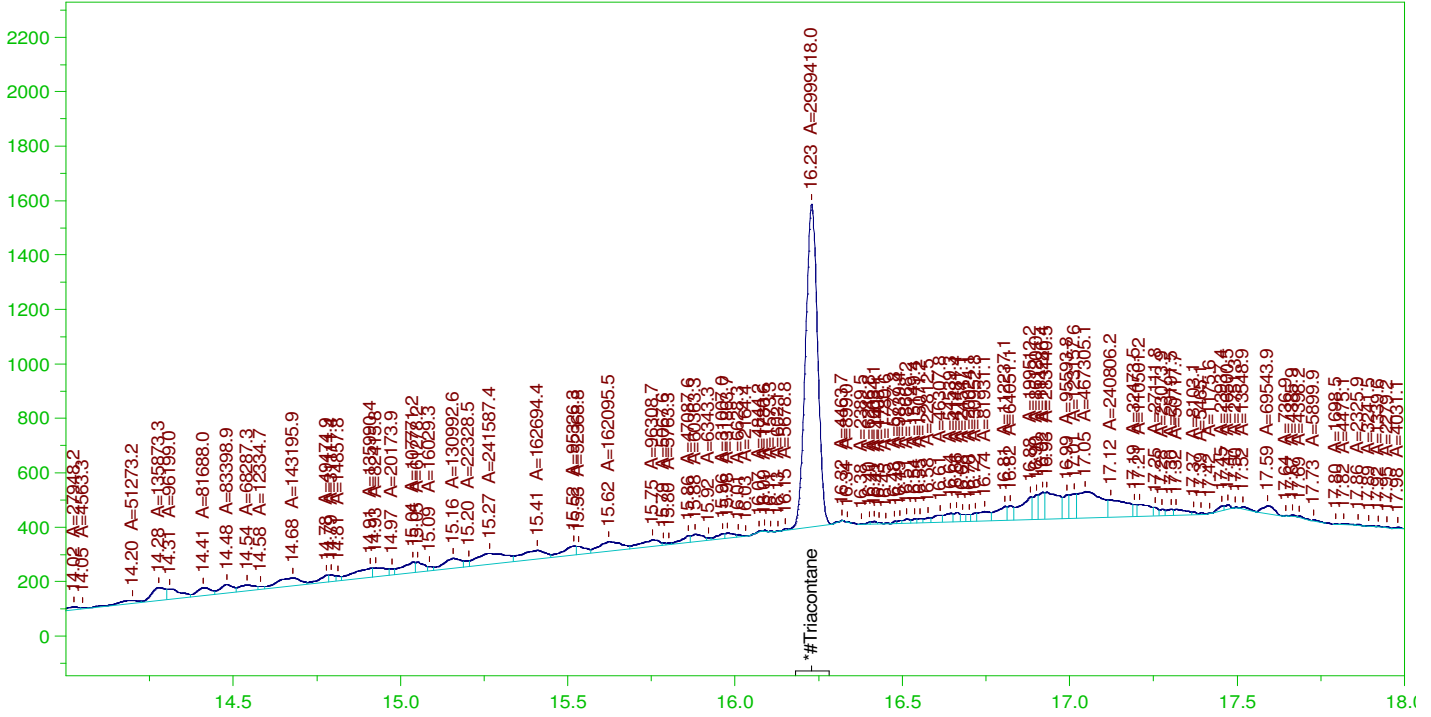
| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.228 | .485   | .195     | 40.21 | - |

RRO TEH (Oil Range) Area:1.50229E+08 RRO TEH (Oil Range) AMOUNT: 5.110058

AMN 01/31/2022

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0079.RAW

B22010120-001DMS-RRO ;0106HP5 , SGT



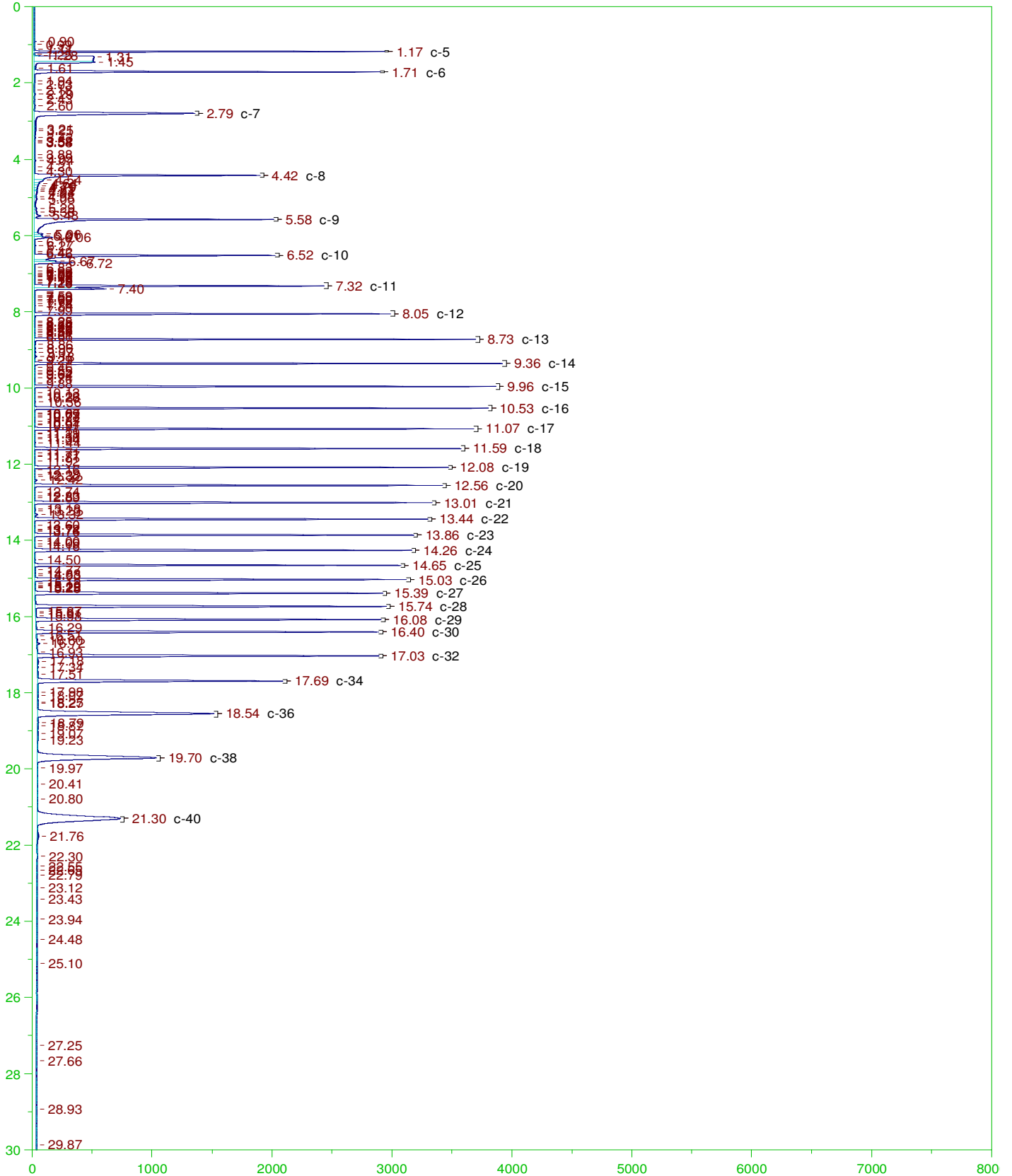
**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

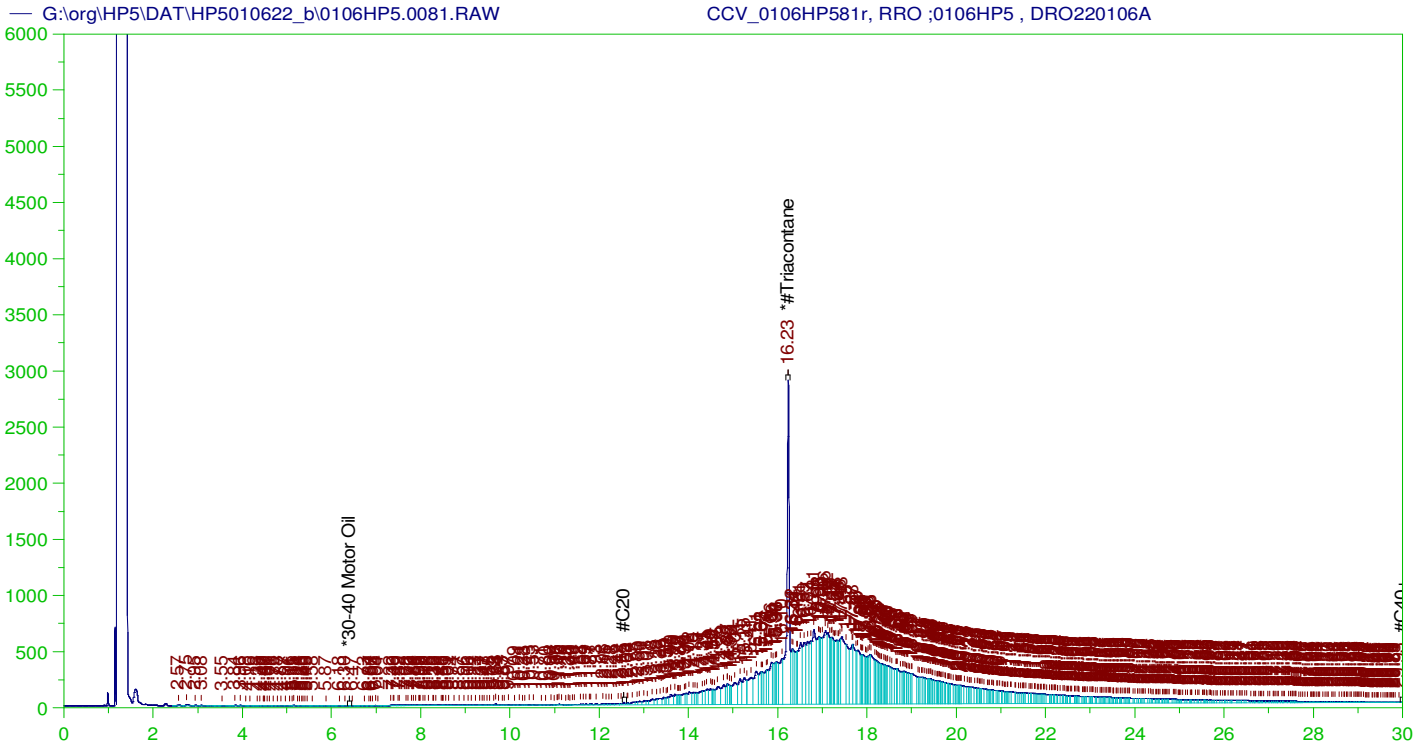
Sample Name: B22010120-001DMS-RRO ;0106HP5 , SGT  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0079.RAW  
 Date & Time Acquired: 1/8/2022 4:34:50 PM  
 Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
 Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |
|--------------------|--------|--------|----------|-------|
| *#Triacontane      | 16.228 | .485   | .101     | 20.74 |

RRO Area:6032099 RRO AMOUNT: 0.2051826





**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP581r, RRO ;0106HP5 , DRO220106A  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0081.RAW  
 Date & Time Acquired: 1/8/2022 6:01:44 PM  
 Method File: G:\Org\HP5\Methods\DC\_ORO-AN-L%.MET  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH (Oil Range) Organics Calculations: 28542.41  
 Rt range for ~~Residual~~ TEH (Oil Range) Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.233 | 500.   | 374.266  | 74.85 | - |

RRO TEH (Oil Range) Area:1.47E+08 RRO TEH (Oil Range)AMOUNT: 5150.232

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0081.RAW

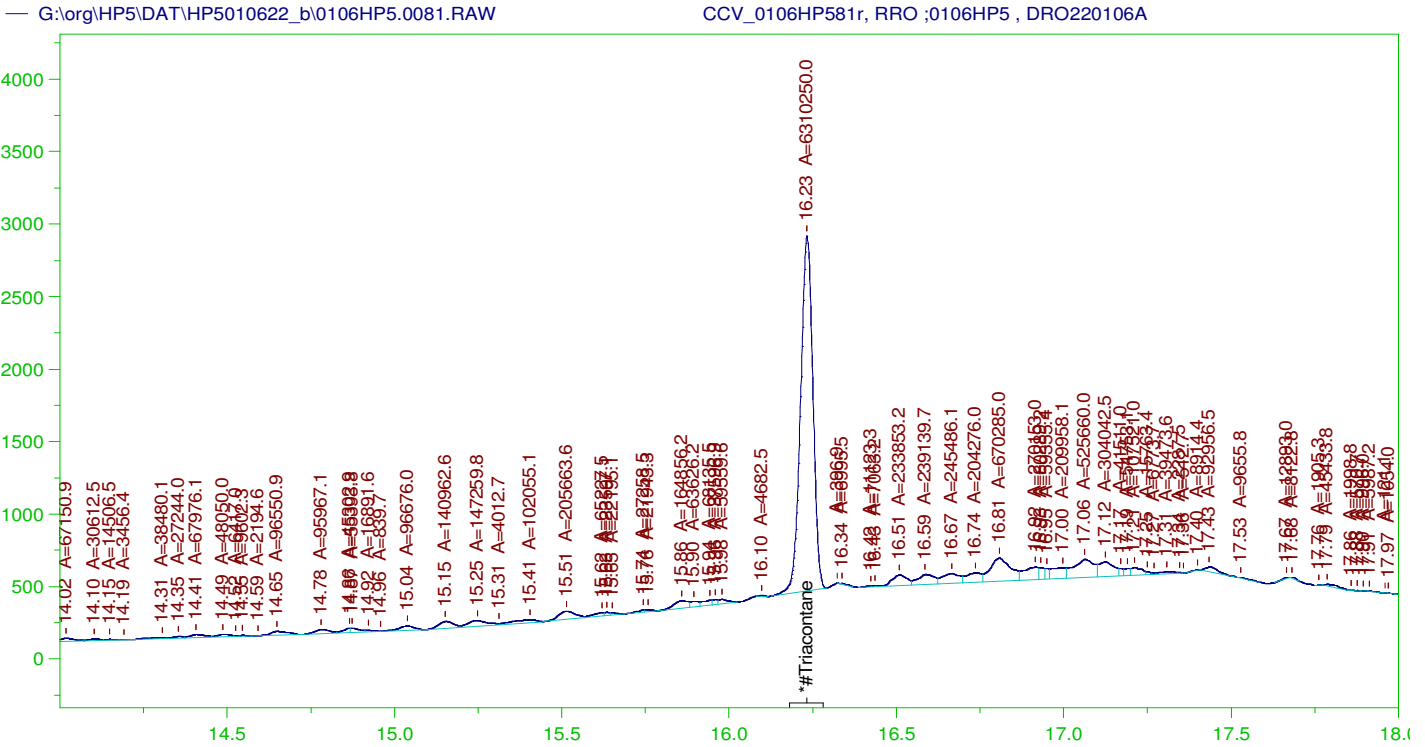
| COMPOUND         | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|------------------|-------------|---------------|-----------|--------|
| *30-40 Motor Oil | 5000.       | .             | 75-125    |        |

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.233 | 200.   | 374.266  | 187.13 | 75-125 |

AMN 01/31/2022





**RESIDUAL RANGE ORGANICS CHROMATOGRAM**

Sample Name: CCV\_0106HP581r, RRO ;0106HP5 , DRO220106A  
Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0081.RAW  
Date & Time Acquired: 1/8/2022 6:01:44 PM  
Method File: G:\Org\HP5\Methods\DS\_ORO-AN-L%.MET  
Calibration File: G:\Org\HP5\Cals\SW8015C\_ORO211017AN.CAL  
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41  
Rt range for Residual Range Organics: 12.51 to 30.05

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC  |   |
|--------------------|--------|--------|----------|-------|---|
| *#Triacontane      | 16.233 | 500.   | 218.12   | 43.62 | - |

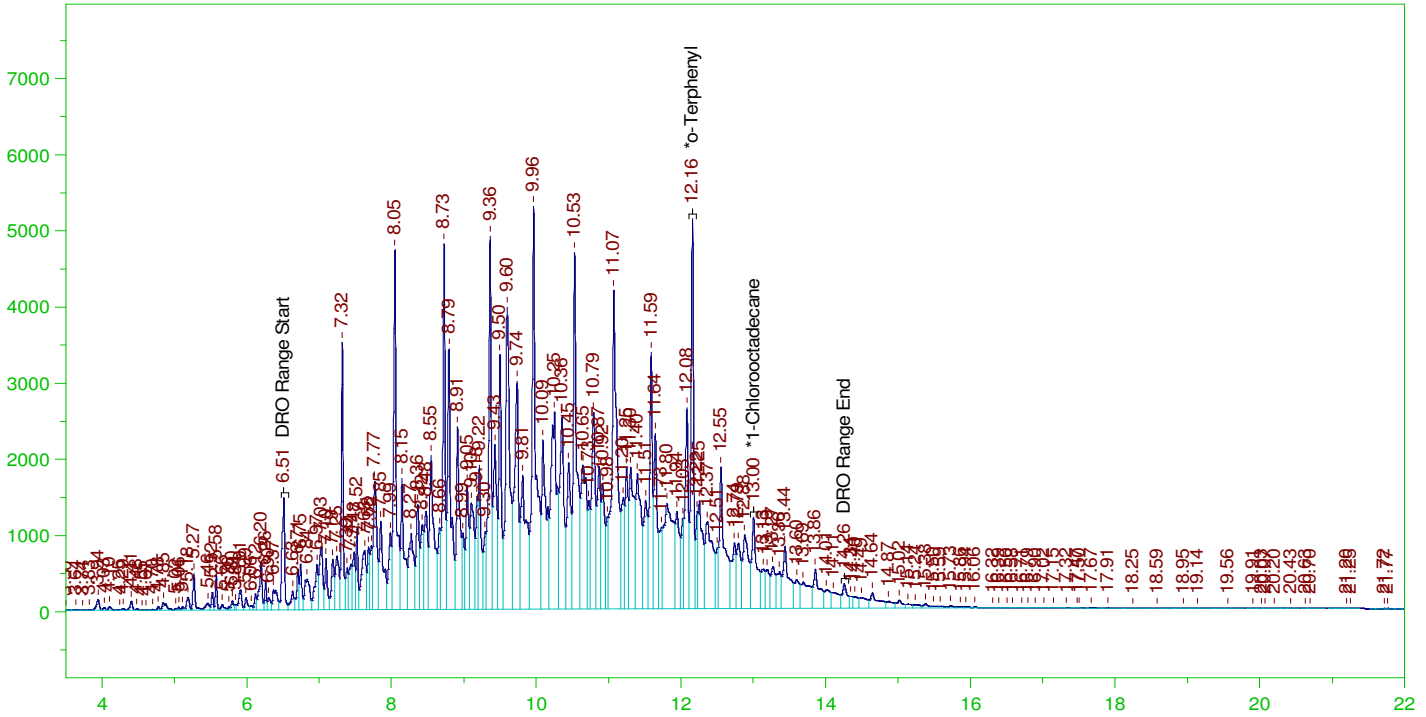
RRO Area:6104935 RRO AMOUNT: 213.89

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0081.RAW  
COMPOUND ACTUAL (NG) MEASURED (NG) %RECOVERY LIMITS  
\*30-40 Motor Oil 5000. . . 75-125

| SURROGATE COMPOUND | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|--------------------|--------|--------|----------|--------|--------|
| *#Triacontane      | 16.233 | 200.   | 218.12   | 109.06 | 75-125 |

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0082.RAW

CCV\_0106HP582r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP582r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0082.RAW  
 Date & Time Acquired: 1/8/2022 6:45:09 PM  
 Method File: G:\Org\HP5\Methods\DC\_8015-24-IN-L%.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   |
|---------------------|--------|--------|----------|--------|
| *o-Terphenyl        | 12.158 | 200.   | 354.484  | 177.24 |
| *1-Chlorooctadecane | 13.004 | 200.   | 171.716  | 85.86  |

DRO Area: 5.079706E+08 DRO Amount: 16201.56  
 TEH Area: 5.265075E+08 TEH Amount: 16792.79

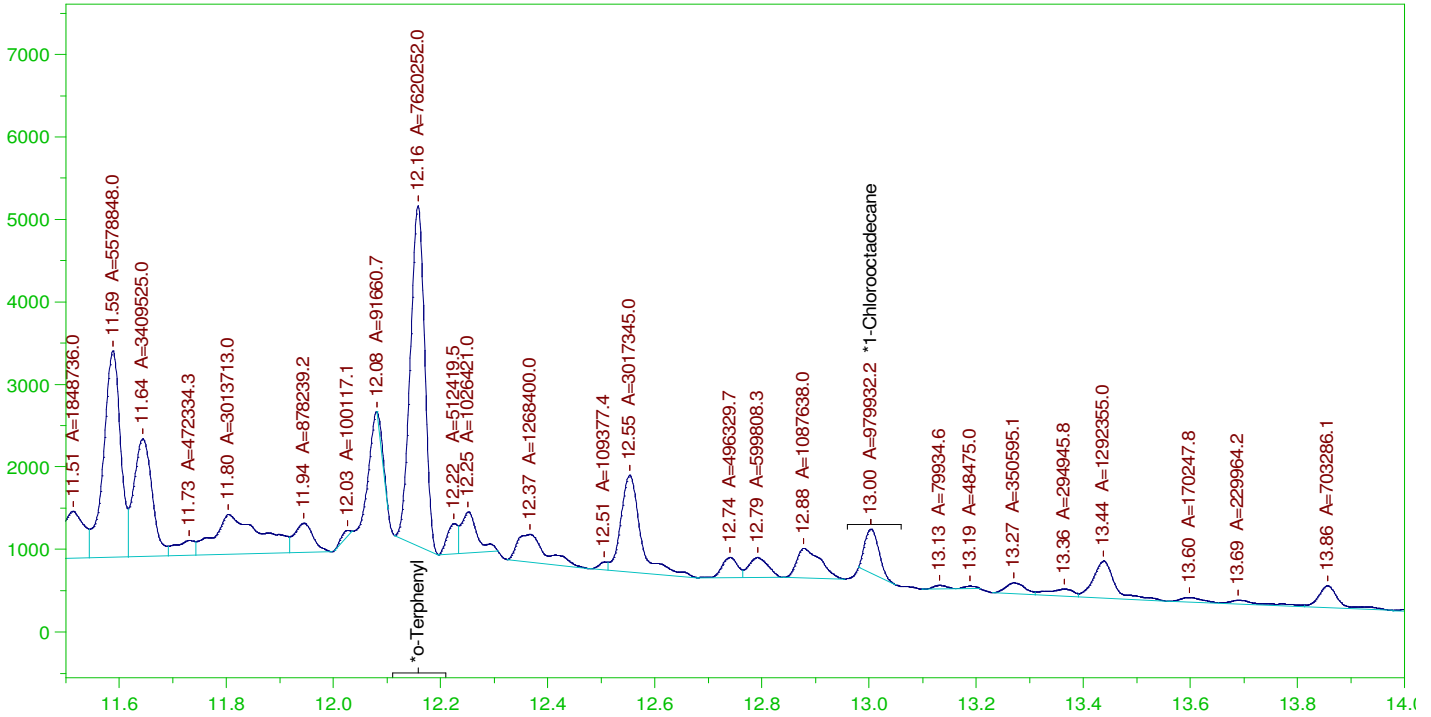
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0082.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 16792.79      | 111.95    | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC   | LIMITS |
|---------------------|--------|--------|----------|--------|--------|
| *o-Terphenyl        | 12.158 | 200.   | 354.484  | 177.24 | 85-115 |
| *1-Chlorooctadecane | 13.004 | 200.   | 171.716  | 85.86  | 85-115 |

G:\org\HP5\DAT\HP5010622\_b\0106HP5.0082.RAW

CCV\_0106HP582r, DRO ;0106HP5 , DRO220105B



**DIESEL RANGE ORGANICS CHROMATOGRAM REPORT**

Sample Name: CCV\_0106HP582r, DRO ;0106HP5 , DRO220105B  
 Raw File: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0082.RAW  
 Date & Time Acquired: 1/8/2022 6:45:09 PM  
 Method File: G:\Org\HP5\Methods\DS\_8015-24-IN-L#.met  
 Calibration File: G:\Org\HP5\Cals\SW8015C\_DRO211102IN-24.CAL  
 Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19

Rt range for Diesel Range Organics: 6.48 to 14.32

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  |
|---------------------|--------|--------|----------|-------|
| *o-Terphenyl        | 12.158 | 200.   | 214.599  | 107.3 |
| *1-Chlorooctadecane | 13.004 | 200.   | 27.597   | 13.8  |

DRO Area: 2.811864E+08 DRO Amount: 8968.351  
 TEH Area: 2.923837E+08 TEH Amount: 9325.486

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5010622\_b\0106HP5.0082.RAW

| COMPOUND  | ACTUAL (NG) | MEASURED (NG) | %RECOVERY | LIMITS |
|-----------|-------------|---------------|-----------|--------|
| TOTAL DRO | 15000.      | 9325.49       | 62.17     | 85-115 |

| SURROGATE COMPOUND  | RT     | ACTUAL | MEASURED | %REC  | LIMITS |
|---------------------|--------|--------|----------|-------|--------|
| *o-Terphenyl        | 12.158 | 200.   | 214.599  | 107.3 | 85-115 |
| *1-Chlorooctadecane | 13.004 | 200.   | 27.597   | 13.8  | 85-115 |

| Write Sequence                         | Data File | Sample Name                                | Method  | Weight | Dil Factor | Amt Inj | IS | Cal D | Manual Integrations   |
|--|-----------|--|---|--------|------------|---------|----|-------|---|
| G:\org\HP5\DAT\HP5010622_b\0106HP5.01r |           | DCM-Baseline Check-V01                     | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.02r |           | DCM-Baseline Check-V02                     | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.03r |           | MARKER_0106HP503r, DRO_0106HP5, DRO211220B | G:\org\HP5\Methods\GCSC220106.met   | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.04r |           | CCV_0106HP504r, RRO_0106HP5, DRO220106A    | G:\Org\HP5\Methods\DC_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1      | 1          | 1       | 1  | 1     | 0 The integration of Oil Range Hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.05r |           | CCV_0106HP505r, DRO_0106HP5, DRO220105B    | G:\Org\HP5\Methods\DC_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1      | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 16.83 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes. |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.06r |           | DCM-Baseline Check-V06                     | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.07r |           | LCS-162703_0106HP5,                        | G:\Org\HP5\Methods\D3_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1000   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.08r |           | LCSD-162703_0106HP5,                       | G:\Org\HP5\Methods\D3_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1000   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.09r |           | MB-162703_0106HP5,                         | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1000   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.10r |           | B22010096-001D_0106HP5, \$HC-8015-DRO-W,   | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010611-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met   | 1010   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.11r |           | B22010120-001D_0106HP5, \$HC-8015-DRO-W,   | G:\Org\HP5\Methods\DR_8015-010611-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010611-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met | 1000   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with peak width adjusted. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.  |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.12r |           | B22010096-001DMS_0106HP5,                  | G:\Org\HP5\Methods\D3_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1030   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.13r |           | DCM-Baseline Check-V13                     | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.14r |           | B22010143-001D_0106HP5, \$HC-8015-DRO-W,   | G:\Org\HP5\Methods\D3_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\D3_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1050   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.15r |           | B22010148-001D_0106HP5, \$HC-8015-DRO-W,   | G:\Org\HP5\Methods\DR_8015-010615-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010615-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met | 1040   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with peak width adjusted. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.  |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.16r |           | B22010212-001D_0106HP5, \$HC-8015-DRO-W,   | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1050   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.17r |           | DCM-Baseline Check-V17                     | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.18r |           | MARKER_0106HP517r, DRO_0106HP5, DRO211220B | G:\org\HP5\Methods\GCSC220106.met   | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.19r |           | CCV_0106HP518r, RRO_0106HP5, DRO220106A    | G:\Org\HP5\Methods\DC_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1      | 1          | 1       | 1  | 1     | 0 The integration of Oil Range Hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.19r |           | CCV_0106HP519r, DRO_0106HP5, DRO220105B    | G:\Org\HP5\Methods\DC_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1      | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 16.83 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes. |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.20r |           | DCM-Baseline Check-V20                     | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.21r |           | B22010213-002B_0106HP5, \$HC-8015-DRO-W,   | G:\Org\HP5\Methods\D3_8015-010621-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010621-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met | 1000   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with peak width adjusted. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.  |

|  |  |   |      |    |   |   |   |   |
|--|--|---|------|----|---|---|---|---|
| G:\org\HP5\DAT\HP5010622_b\0106HP5.22r | B22010213-001D :0106HP5 , \$HC-8015-DRO-W,                   | G:\Org\HP5\Methods\D3_8015-010621-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010621-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-Lf.met | 1030 | 1  | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with peak width adjusted. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.  |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.23r | B22010213-003D :0106HP5 , \$HC-8015-DRO-W,                   | G:\Org\HP5\Methods\D3_8015-010621-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010621-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-Lf.met | 1020 | 1  | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with peak width adjusted. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.  |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.24r | DCM-Baseline Check-V24                                       | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1    | 1  | 1 | 1 | 0 | No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.25r | B22010141-001D :0106HP5 , \$HC-8015-DRO-W,                   | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-Lf.met          | 1030 | 1  | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.26r | B22010214-001D :0106HP5 , \$HC-8015-DRO-W,                   | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-Lf.met          | 1050 | 1  | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.27r | B22010219-001D :0106HP5 , \$HC-8015-DRO-W,                   | G:\Org\HP5\Methods\D3_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\D3_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-Lf.met          | 1000 | 1  | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.28r | B22010211-001D :0106HP5 , \$HC-8015-DRO-W, (1,10)            | G:\Org\HP5\Methods\D3_8015-010628-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-Lf.met  | 1030 | 10 | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline with peak width and scale adjusted. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.  |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.29r | DCM-Baseline Check-V29                                       | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1    | 1  | 1 | 1 | 0 | No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.30r | B22010134-001D :0106HP5 , \$HC-8015-DRO-W,                   | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-Lf.met          | 1040 | 1  | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.31r | B22010142-001D :0106HP5 , \$HC-8015-DRO-W,                   | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-Lf.met          | 970  | 1  | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.32r | B22010145-001D :0106HP5 , \$HC-8015-DRO-W,                   | G:\Org\HP5\Methods\D3_8015-010632-IN-L%.met<br>G:\Org\HP5\Methods\D3_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-Lf.met        | 1000 | 1  | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with peak width adjusted. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.  |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.33r | MARKER_0106HP533r_DRO_0106HP5_DRO211220B                     | G:\Org\HP5\Methods\DCSC220106.met   | 1    | 1  | 1 | 1 | 0 | No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.34r | CCV_0106HP534r_RRO_0106HP5_DRO220106A                        | G:\Org\HP5\Methods\DC_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1    | 1  | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.35r | CCV_0106HP535r_DRO_0106HP5_DRO220105B                        | G:\Org\HP5\Methods\DC_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-Lf.met  | 1    | 1  | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 16.83 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes. |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.36r | DCM-Baseline Check-V36                                       | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1    | 1  | 1 | 1 | 0 | No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.37r | B22010209-001D :0106HP5 , \$HC-8015-DRO-W,                   | G:\Org\HP5\Methods\D3_8015-010637-IN-L%.met<br>G:\Org\HP5\Methods\D3_OROS-010637-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-Lf.met | 1040 | 1  | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with peak width adjusted. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.  |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.38r | B22010211-001D :0106HP5 , \$HC-8015-DRO-W, Oil range         | G:\Org\HP5\Methods\D3_OROS-010638-AN-L%.MET   | 1030 | 1  | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline with peak width and scale adjusted.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.39r | LCS-162703-RRO_0106HP5 , GC vial cap was loose appear sample | G:\Org\HP5\Methods\D3_ORO-AN-L0.MET   | 1000 | 1  | 1 | 1 | 0 | No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.40r | LCS-162703-RRO_0106HP5 , RR                                  | G:\Org\HP5\Methods\D3_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1000 | 1  | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.41r | LCSd-162703-RRO_0106HP5 ,                                    | G:\Org\HP5\Methods\D3_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1000 | 1  | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |

|  |  |  |      |   |   |   |   |   |   |
|--|--|--|------|---|---|---|---|---|---|
| G:\org\HP5\DAT\HP5010622_b\0106HP5.43r | B22010120-001DMS-RRO_0106HP5_            | G:\Org\HP5\Methods\D3_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET         | 1030 | 1 | 1 | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.43r | MARKER_0106HP543r_DRO_0106HP5_DRO211220B | G:\org\HP5\Methods\CSC220106.met   | 1    | 1 | 1 | 1 | 1 | 0 | No integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.44r | CCV_0106HP544r_RRO_0106HP5_DRO220106A    | G:\Org\HP5\Methods\DC_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET         | 1    | 1 | 1 | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.45r | CCV_0106HP545r_DRO_0106HP5_DRO220105B    | G:\Org\HP5\Methods\DC_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met | 1    | 1 | 1 | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 16.83 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes. |

*Ann Nebel*

Digitally signed by  
Ann Nebel  
Date: 2022.01.26 14:45:53 -07:00

| Write Sequence                         | Data File | Sample Name                               | Method  | Weight | Dil Factor | Amt Inj | IS | Cal D | Manual Integrations   |
|--|-----------|---|---|--------|------------|---------|----|-------|---|
| G:\org\HP5\DAT\HP5010622_b\0106HP5.46r |           | DCM-Baseline Check-V46                    | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.47r |           | DCM-Baseline Check-V47                    | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.48r |           | MARKER_0106HP548r_DRO_0106HP5_DRO211220B  | G:\org\HP5\Methods\GSC220106a.met   | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.49r |           | CCV_0106HP549r_RRO_0106HP5_DRO220106A     | G:\Org\HP5\Methods\DC_ORO-AN-L%.MET<br>G:\Org\HP5\Methods\DS_ORO-AN-L%.MET  | 1      | 1          | 1       | 1  | 1     | 0 The integration of Oil Range Hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.50r |           | CCV_0106HP550r_DRO_0106HP5_DRO220105B     | G:\Org\HP5\Methods\DC_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-24-IN-L%.met  | 1      | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 16.83 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes. |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.51r |           | DCM-Baseline Check-V51                    | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.52r |           | LCS-162703_0106HP5_SGT                    | G:\Org\HP5\Methods\DS_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DR_8015-24-IN-L%.met  | 1000   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.53r |           | LCS-162703_0106HP5_SGT                    | G:\Org\HP5\Methods\DS_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DR_8015-24-IN-L%.met  | 1000   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.54r |           | MB-162703_0106HP5_SGT                     | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1000   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.55r |           | B22010096-001D_0106HP5_SHC-8015-DRO-W_SGT | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1010   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.56r |           | B22010120-001D_0106HP5_SHC-8015-DRO-W_SGT | G:\Org\HP5\Methods\DR_8015-010656-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met        | 1000   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with a Set Baseline Now at 17.30 minutes and Assigned Set Baseline All Valley on at 18.6 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.        |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.57r |           | B22010096-001DMS_0106HP5_SGT              | G:\Org\HP5\Methods\DS_8015-24-IN-L%.met<br>G:\Org\HP5\Methods\DR_8015-24-IN-L%.met  | 1030   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.58r |           | DCM-Baseline Check-V58                    | G:\Org\HP5\Methods\DR_8015-IC-LEXP.met  | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.59r |           | B22010143-001D_0106HP5_SHC-8015-DRO-W_SGT | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1050   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.60r |           | B22010148-001D_0106HP5_SHC-8015-DRO-W_SGT | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met  | 1040   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.61r |           | B22010213-002B_0106HP5_SHC-8015-DRO-W_SGT | G:\Org\HP5\Methods\DR_8015-010661-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010661-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met | 1000   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with Set Baseline Now placed at 23.79 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.62r |           | B22010213-001D_0106HP5_SHC-8015-DRO-W_SGT | G:\Org\HP5\Methods\DR_8015-010662-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-010662-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met | 1030   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with Set Baseline Now placed at 25.91 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.63r |           | B22010213-003D_0106HP5_SHC-8015-DRO-W_SGT | G:\Org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\Org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\Org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1020   | 1          | 1       | 1  | 1     | 0 The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with Set Baseline Now placed at 23.79 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.64r |           | MARKER_0106HP564r_DRO_0106HP5_DRO211220B  | G:\org\HP5\Methods\GSC220106a.met   | 1      | 1          | 1       | 1  | 1     | 0 No Integrations   |

|  |  |   |      |   |   |   |   |   |
|--|--|---|------|---|---|---|---|---|
| G:\org\HP5\DAT\HP5010622_b\0106HP5.65r | CCV_0106HP565r, RRO_0106HP5, DRO220106A            | G:\org\HP5\Methods\DC_ORO-AN-L%.MET<br>G:\org\HP5\Methods\DS_ORO-AN-L%.MET  | 1    | 1 | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.66r | CCV_0106HP566r, DRO_0106HP5, DRO220105B            | G:\org\HP5\Methods\DC_8015-24-IN-L%.met<br>G:\org\HP5\Methods\DS_8015-24-IN-L%.met  | 1    | 1 | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 16.83 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes. |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.67r | DCM-Baseline Check-V67                             | G:\org\HP5\Methods\DR_8015-IC-LEXP.met  | 1    | 1 | 1 | 1 | 0 | No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.68r | B22010214-001D_0106HP5, \$HC-8015-DRO-W, SGT       | G:\org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\org\HP5\Methods\DS_8015-C24T-IN-L%.met               | 1050 | 1 | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.69r | B22010134-001D_0106HP5, \$HC-8015-DRO-W, SGT       | G:\org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1040 | 1 | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.70r | B22010219-001D_0106HP5, \$HC-8015-DRO-W, SGT       | G:\org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1000 | 1 | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.71r | DCM-Baseline Check-V71                             | G:\org\HP5\Methods\DR_8015-IC-LEXP.met  | 1    | 1 | 1 | 1 | 0 | No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.72r | B22010145-001D_0106HP5, \$HC-8015-DRO-W, SGT       | G:\org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1000 | 1 | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.73r | B22010209-001D_0106HP5, \$HC-8015-DRO-W, SGT       | G:\org\HP5\Methods\DR_8015-C24T-IN-L%.met<br>G:\org\HP5\Methods\DR_OROS-AN-L%.MET<br>G:\org\HP5\Methods\DS_8015-C24T-IN-L%.met          | 1040 | 1 | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.74r | B22010211-001D_0106HP5, \$HC-8015-DRO-W, SGT,(1,5) | G:\org\HP5\Methods\DR_8015-010674-IN-L%.met<br>G:\org\HP5\Methods\DR_OROS-010674-AN-L%.MET<br>G:\org\HP5\Methods\DS_8015-C24T-IN-L%.met | 1030 | 5 | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the baseline with Set Baseline Now placed at 23.46 minutes and Y-axis scale adjusted. Surrogates are integrated using a valley to valley integration using Set Baseline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.                                 |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.75r | LCS-162703-RRO_0106HP5, SGT                        | G:\org\HP5\Methods\D3_ORO-AN-L%.MET<br>G:\org\HP5\Methods\DS_ORO-AN-L%.MET  | 1000 | 1 | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.76r | DCM-Baseline Check-V76                             | G:\org\HP5\Methods\DR_8015-IC-LEXP.met  | 1    | 1 | 1 | 1 | 0 | No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.77r | LCSD-162703-RRO_0106HP5, SGT                       | G:\org\HP5\Methods\D3_ORO-AN-L%.MET<br>G:\org\HP5\Methods\DS_ORO-AN-L%.MET  | 1000 | 1 | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.78r | DCM-Baseline Check-V78                             | G:\org\HP5\Methods\DR_8015-IC-LEXP.met  | 1    | 1 | 1 | 1 | 0 | No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.79r | B22010120-001DMS-RRO_0106HP5, SGT                  | G:\org\HP5\Methods\D3_ORO-AN-L%.MET<br>G:\org\HP5\Methods\DS_ORO-AN-L%.MET  | 1030 | 1 | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.80r | MARKER_0106HP580r, DRO_0106HP5, DRO211220B         | G:\org\HP5\Methods\CSC220106a.met   | 1    | 1 | 1 | 1 | 0 | No Integrations   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.81r | CCV_0106HP581r, RRO_0106HP5, DRO220106A            | G:\org\HP5\Methods\DC_ORO-AN-L%.MET<br>G:\org\HP5\Methods\DS_ORO-AN-L%.MET  | 1    | 1 | 1 | 1 | 0 | The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the baseline. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 16.08 minutes slightly after the surrogate peak at 16.32 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.   |
| G:\org\HP5\DAT\HP5010622_b\0106HP5.82r | CCV_0106HP582r, DRO_0106HP5, DRO220105B            | G:\org\HP5\Methods\DC_8015-24-IN-L%.met<br>G:\org\HP5\Methods\DS_8015-24-IN-L%.met  | 1    | 1 | 1 | 1 | 0 | The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline All Valley on at 16.83 minutes. Surrogates are integrated using a valley to valley integration using Set Baseline Now placed slight before at 12.08 minutes and slightly after the surrogate peak at 12.3 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes. |

*Ann Nebel*

Digitally signed by  
Ann Nebel  
Date: 2022.01.26 14:46:12 -07:00



# Energy Laboratories Inc

# Spike LOG

Standard ID: DRO211101A  
Standard Name: OTP-4000 ug/mL DCM  
Date Prepared: 11/1/2021  
Date Expires: 9/30/2024  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID: BAL-DRO  
Comments: Used to Prep DRO-8015 ICAL and CCV Solutions

Type: Secondary  
BY: Ann Nebel  
Status: Open

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Dichloromethane EC328   | 14408    | 25  | mL    | 8/19/ |

**Final Volume:** 25 mL

**Stock Source**

DRO200430B O-Terphenyl

**Base Units**

ug/mL

**Amount Added**

0.1012 g

**Analtes**

A O-Terphenyl

**CAS**

84-15-1

Conc:

**ug/mL**

4000

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO200430B  
Standard Name: O-Terphenyl  
Date Prepared: 4/30/2020  
Date Expires: 9/30/2024  
Department: dropr  
Vendor: Chemservice  
Lot Number: 9972100  
Balance ID:  
Comments: ID#: 6271

Type: Neat  
BY: Ann Nebel  
Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| o-Terphenyl             | 12650    | 500 | mg    | 9/30/ |

Final Volume: mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: ug/mL

A O-Terphenyl

84-15-1

1

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

## CERTIFICATE OF ANALYSIS

### o-Terphenyl

CATALOG NUMBER N-12693-500MG  
LOT NUMBER 9972100  
DATE CERTIFIED 09/23/19  
EXPIRATION DATE 09/30/24  
CAS NUMBER 84-15-1  
MOLECULAR FORMULA C18H14  
MOLECULAR WEIGHT 230.32  
STORAGE Store in a cool dry place.  
HANDLING See Safety Data Sheet  
INTENDED USE For laboratory use only.

| Analytical Test    | Value                 |
|--------------------|-----------------------|
| FT-IR SPECTROSCOPY | CONFORMS TO STRUCTURE |
| GC/MS SPECTRA ID   | MATCHES NIST DATABASE |
| MELTING POINT (°C) | 57.1                  |
| % PURITY (GC/FID)  | 99.5                  |

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

*Mary Beth O'Donnell*

Mary Beth O'Donnell  
CSM/TC

ID #: 12650

Opened: \_\_\_\_\_

o-Terphenyl

Expires: 9/30/2024

Rec'd: 4/30/2020

Energyl Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

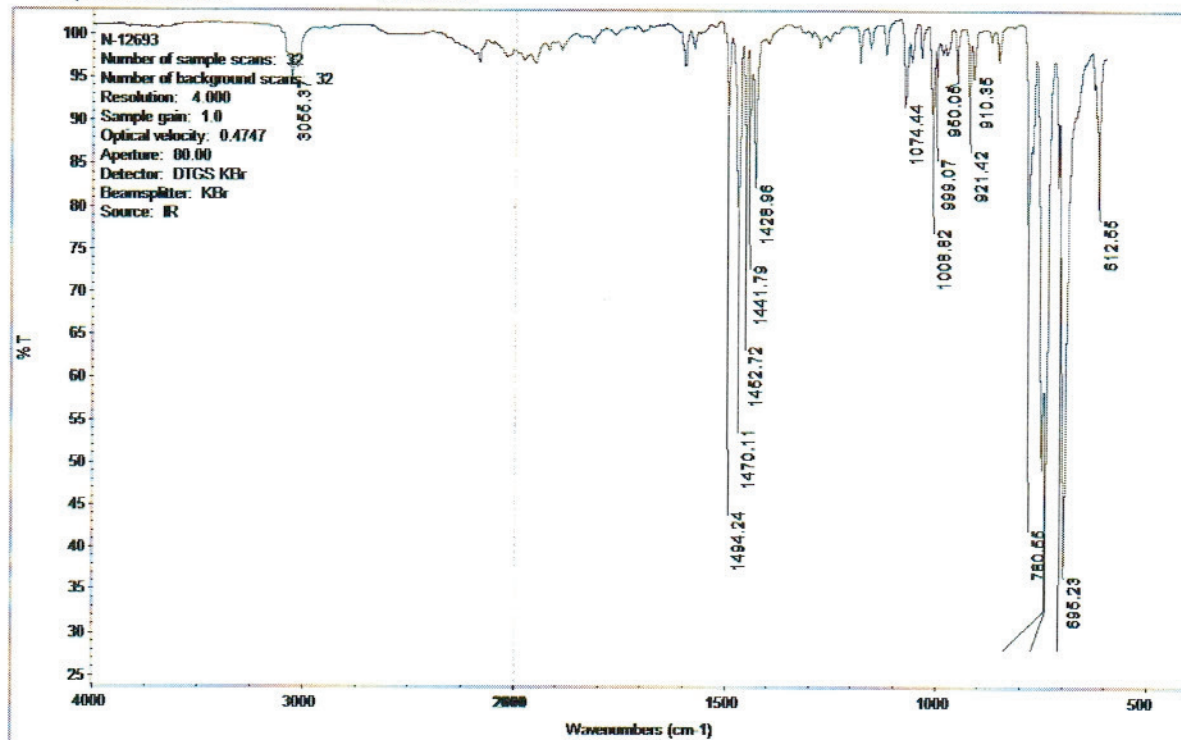
Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015



## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24



Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015



## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24

Chem Service Inc      Area Percent Report

Data File: D:\msdchem\2019 DATA\0919\0923-01.D  
Acq On : 23 Sep 2019 10:40  
Operator :  
Sample : n-12693  
Misc :  
ALS Vial : 95

Integration Parameters: autoint1.e  
Integrator: ChemStation

DataAcq Meth: SCREEN.M  
Method : D:\msdchem\2019 DATA\0919\0903-09.D\ERIN.M

Signal : TIC: 0923-01.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 11.844   | 1597       | 1606     | 1613      | BB    | 32038221    | 432253484  | 100.00%      | 100.000%   |

Sum of corrected areas: 432253484

ERIN.M Mon Sep 23 10:55:51 2019

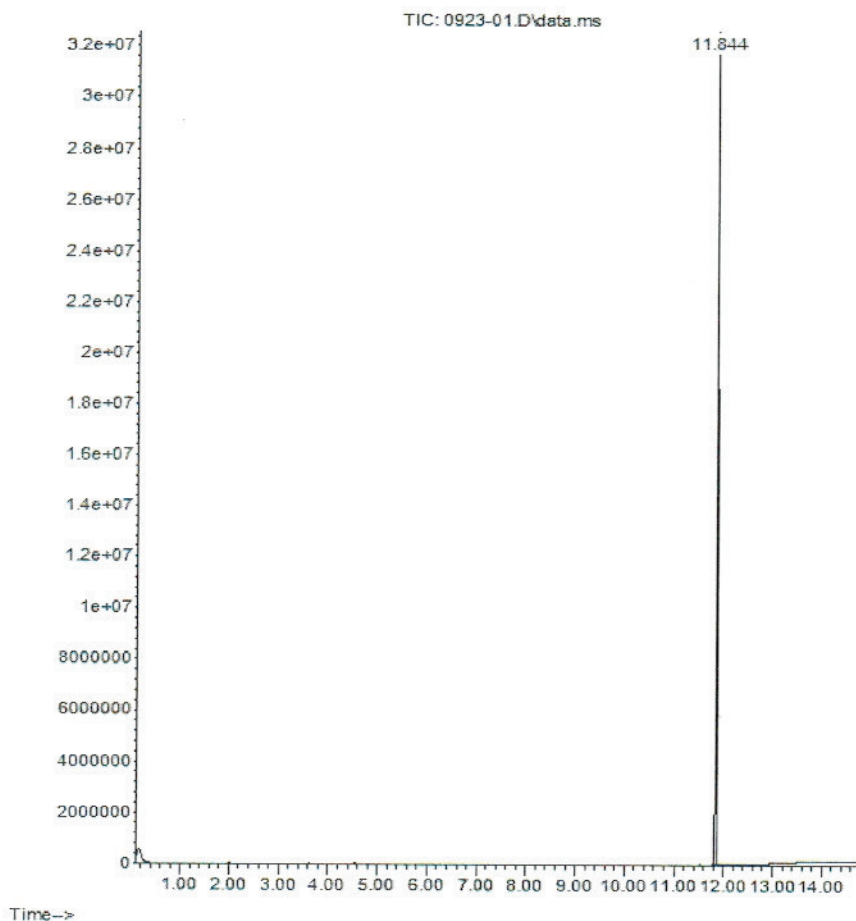
660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24

Abundance



Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015



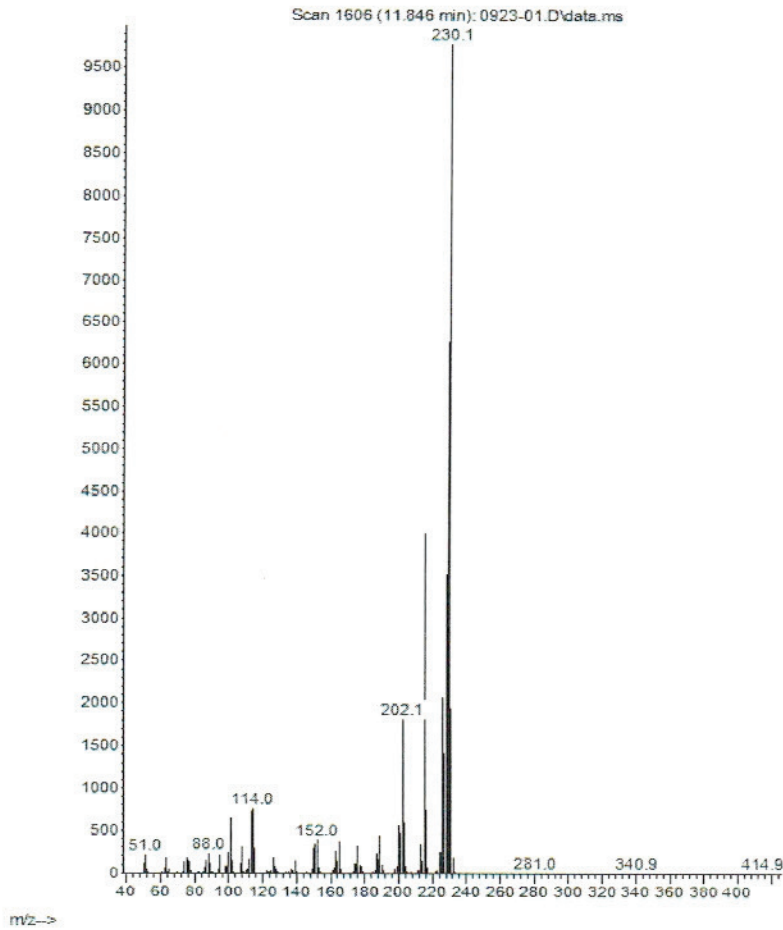
660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24

Abundance



Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.



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## CERTIFICATE OF ANALYSIS

### Analysis Method:

|                  |               |
|------------------|---------------|
| Catalog Number:  | N-12693-500MG |
| Description:     | o-Terphenyl   |
| Lot Number:      | 9972100       |
| Expiration Date: | 09/30/24      |

Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015





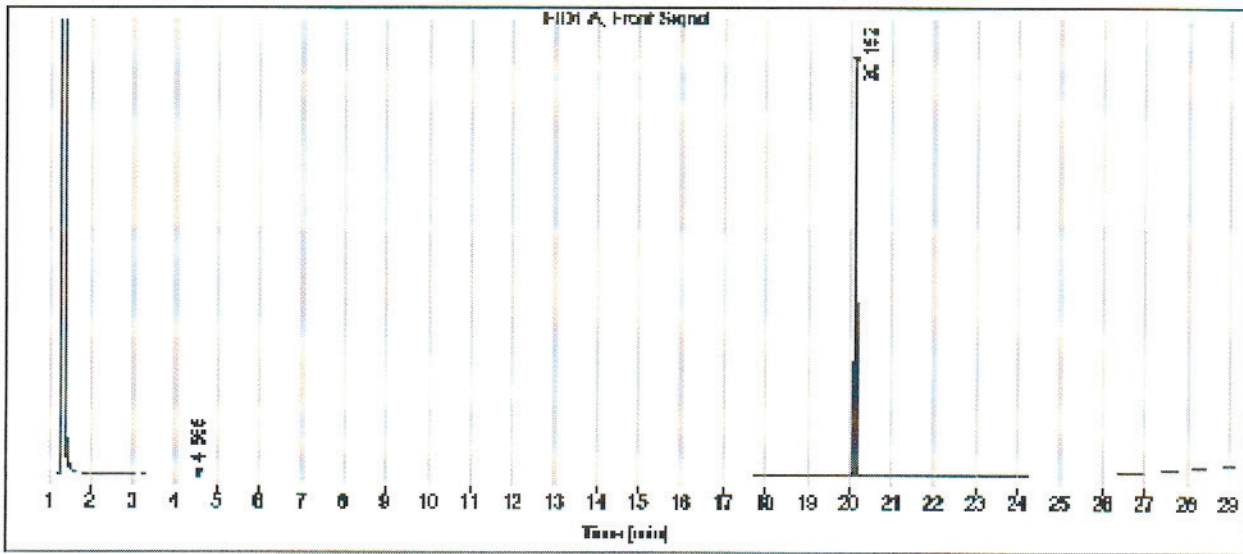
660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
 1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

Gas

Data file: C:\CHEM3\  
 Sample name: N-12893  
 Instrument: GC 2  
 Injection date: 8/23/2019 9:58:34 AM  
 Acq. method: SCREEN.M  
 Column name: HP-5

## CERTIFICATE OF ANALYSIS

Location: Vial 141  
 Injection volume: 1.0uL



Signal: FID1 A, Front Signal

| RT [min] | Type | Width [min] | Area      | Height   | Area% |
|----------|------|-------------|-----------|----------|-------|
| 4.565    | BB   | 0.0305      | 1.2408    | 0.5122   | 0.11  |
| 20.152   | BB   | 0.0391      | 1171.9556 | 439.4599 | 99.89 |
|          |      | Sum         | 1173.1963 |          |       |

Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015



# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO211012A  
 Standard Name: Diesel Fuel #2 50,000 ug/mL in DCM  
 Date Prepared: 10/12/2021  
 Date Expires: 4/30/2023  
 Department: dropr  
 Vendor: Sigma-Aldrich  
 Lot Number: LRAC6316  
 Balance ID:  
 Comments: Diesel Fuel #2 For CCVs.

Type: Primary  
 BY: Ann Nebel  
 Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Diesel Fuel No. 2       | 14376    | 1   | mL    | 4/30/ |

**Final Volume:** mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: ug/mL

Diesel Fuel #2

0

# Certificate of Analysis

Certified  
Reference  
Material

Diesel Fuel No. 2

## Description

Product ID UST148  
Lot LRAC6316  
Expiration Date April 2023  
Manufacturing Date April 2020  
Storage Conditions Room Temperature  
Solvent/Matrix DICHLOROMETHANE

ID #: 14376

Opened: \_\_\_\_\_

Diesel Fuel No. 2

Expires: 4/30/2023

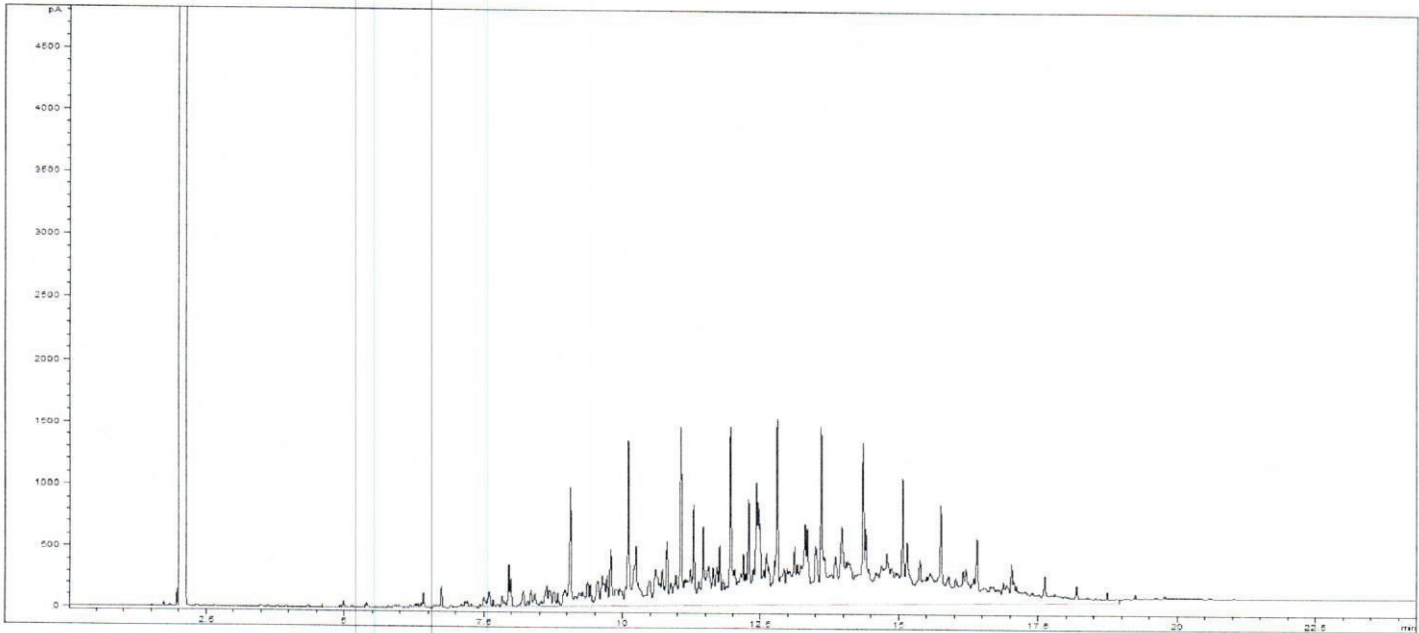
Rec'd: 10/12/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

## Certified Values

| Analyte       | Certified Value <sup>1,4</sup> | Units | Raw Material Purity,% | Raw Material Lot | CAS        |
|---------------|--------------------------------|-------|-----------------------|------------------|------------|
| NO.2 FUEL OIL | 50001 ± 2770                   | µg/mL | 100.0                 | LA80505          | 68476-34-6 |

## Informational Values



## Additional Information:

Analytical Method Parameters:

Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)

Carrier Gas: H<sub>2</sub>, Flow: 4.0 mL/min

Inlet Temperature: 250 °C, Injection Volume: 1.0 µL

Injection Mode: Split, Split Ratio: 10:1

Temperature Program: 40 °C (Hold 2 min) @ 15 °C/min to 300 °C (Hold 5 min)

Detector: FID

Detector Temperature: 300 °C



**SIGMA-ALDRICH®**

2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA

800-325-5832

TechService@milliporesigma.com www.sigma-aldrich.com

## Description

Lot **LRAC6316**  
Expiration Date April 2023  
Manufacturing Date April 2020  
Storage Conditions Room Temperature  
Solvent/Matrix DICHLOROMETHANE

**1 Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.  
**4 Ucrm - Uncertainty values** in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a t-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u_{char}^2 + u_{homogeneity}^2 + u_{stability}^2}$$

**k:** Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval = 95%**

**6 Analytical Value-** For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

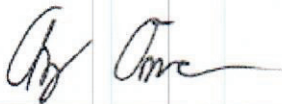
**Traceability:** The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

**Homogeneity:** Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

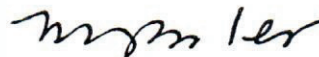
Expiration is at end of month given on certificate and label.

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

**THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH ISO/IEC 17025:2017 (ANAB Cert AT-1467) and ISO 17034:2016 (ANAB Cert AR-1470).**



Andy Ommen - QC Manager



Mark Pooler - QA Supervisor

**Certification Date** April 30, 2020  
**Version** 0-4302020



# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO180918C  
Standard Name: 50,000 ug/mL Oil Std For AK103 RRO-In DC  
Date Prepared: 9/18/2018  
Date Expires: 8/31/2025  
Department: dropr  
Vendor: Restek  
Lot Number: A0140080  
Balance ID: Sartorius 4 place balance

Type: Primary  
BY: Ann Nebel  
Status: Open

Comments:

---

| Chemical / Solvent Used             | BottleNo | Amt | Units | Exp   |
|-------------------------------------|----------|-----|-------|-------|
| Residual Range Calibration Standard | 10787    | 1   | mL    | 8/31/ |

Final Volume: 1 mL

Stock Source

Base Units

Amount Added

Analtes

CAS

Conc: ug/mL



# CERTIFIED REFERENCE MATERIAL

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

## Certificate of Analysis



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No. : 31817 Lot No.: A0140080

Description : Residual Range Calibration Standard (RCS)

Residual Range Calib Std (RCS) 50,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : August 31, 2025 Storage: 25°C nominal

### CERTIFIED VALUES

| Elution Order | Compound  | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) |       |             |
|---------------|---|-----------------------------|--------------------------------------|-------|-------------|
| 1             | Motor Oil SAE30 & SAE40 Blend (Pennzoil)<br>CAS # 64742-65-0.F (Lot A0126386)<br>Purity ----% | 50,113.0 µg/mL              | +/- 293.4226                         | µg/mL | Gravimetric |
|               |   |                             | +/- 1,492.4284                       | µg/mL | Unstressed  |
|               |   |                             | +/- 1,591.6738                       | µg/mL | Stressed    |

Solvent: Methylene chloride  
CAS # 75-09-2  
Purity 99%

ID #: 10787

Opened: \_\_\_\_\_

Residual Range Calibration Standard

Expires: **8/31/2025**

Rec'd: 9/18/2018

Eneray Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

**Column:**  
30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

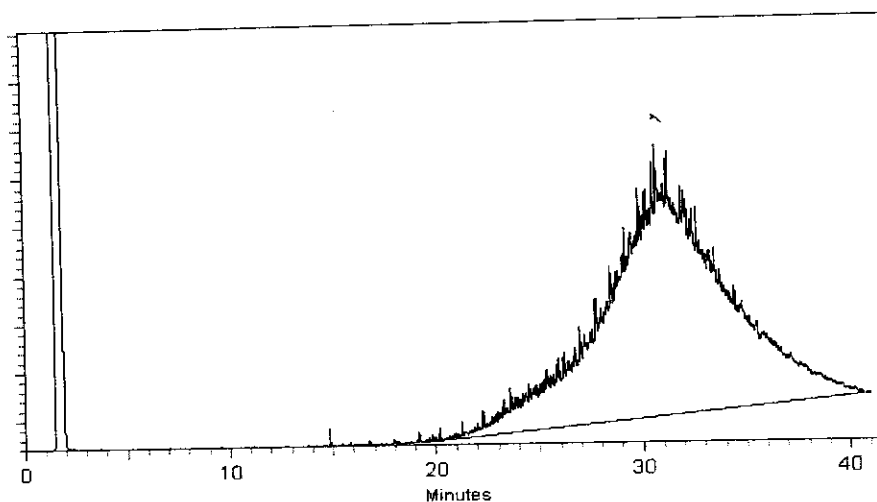
**Carrier Gas:**  
hydrogen-constant pressure 10 psi.

**Temp. Program:**  
40°C (hold 2 min.) to 330°C  
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**  
250°C

**Det. Temp:**  
330°C

**Det. Type:**  
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Brandon Reish*

Brandon Reish - Mix Technician

Date Mixed: 28-Jul-2018

Balance: B345965662

*Diane Shaffer*

Diane Shaffer - Operations Tech-ARM QC

Date Passed: 30-Jul-2018

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO211006A  
Standard Name: Triacontane SURR 2000 ug/mL  
Date Prepared: 10/6/2021  
Date Expires: 4/6/2026  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID: BAL-DRO  
Comments: Triacontane SURR 2000 ug/mL

Type: Secondary  
BY: Jillian L Bostwick  
Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Acetone DZ509           | 13553    | 50  | mL    | 7/22/ |

**Final Volume:** 50 mL

Stock Source  
DRO210406A Triacontane-d62 Surr For AK103 RRO

**Base Units**  
ug/mL

**Amount Added**  
0.1001 g

Analtes  
A Triacontane-d62

**CAS**

Conc: **ug/mL**  
2000



# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO210406A  
Standard Name: Triacontane-d62 Surr For AK103 RRO  
Date Prepared: 4/6/2021  
Date Expires: 4/6/2026  
Department: dropr  
Vendor: Sigma-Aldrich  
Lot Number: MBBC4347  
Balance ID:  
Comments: Alaska surr [for AK103 RRO]

Type: Neat  
BY: Ann Nebel  
Status: New

---

| Chemical / Solvent Used     | BottleNo | Amt | Units | Exp      |
|-----------------------------|----------|-----|-------|----------|
| Triacontane-d62-98 atom % D | 13736    |     | mL    | 4/6/2026 |

Final Volume: mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: ug/mL

A Triacontane-d62

1

3050 Spruce Street, Saint Louis, MO 63103, USA  
 Website: www.sigmaaldrich.com  
 Email USA: techserv@sial.com  
 Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:  
 Triacontane-d62 - 98 atom % D

Product Number: 451789  
 Batch Number: MBBC4347  
 Brand: ALDRICH  
 CAS Number: 93952-07-9  
 MDL Number: MFCD00209794  
 Formula: C30D62  
 Formula Weight: 485.20 g/mol  
 Quality Release Date: 27 APR 2018



ID #: 13736

Opened: \_\_\_\_\_

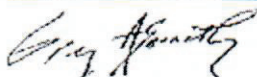
Triacontane-d62-98 atom % D

Expires: 4/6/2026

Rec'd: 4/6/2021

Energx Laboratories Inc 1120 So. 27th Street  
 Billings MT 59107

| Test                  | Specification         | Result   |
|-----------------------|-----------------------|----------|
| Purity (HPLC)         | ≥ 99.0 %              | 99.0 %   |
| Proton NMR Spectrum   | Conforms to Structure | Conforms |
| D Enrichment          | ≥ 98.0 %              | 99.0 %   |
| Initial Melting Point |                       | 60.0 °C  |
| Final Melting Point   |                       | 62.0 °C  |



Greg Abernathy, Supervisor  
 Quality Control  
 Miamisburg, Ohio US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO210217A  
 Standard Name: 20,000 ug/mL Oil Std For AK103 RRO-In DC  
 Date Prepared: 2/17/2021  
 Date Expires: 8/23/2021  
 Department: dropr  
 Vendor:  
 Lot Number:  
 Balance ID: Sartorius 4 place balance  
 Type: Secondary  
 BY: Ann Nebel  
 Status: Expired  
 Comments:

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Dichloromethane EA342   | 13510    | 25  | mL    | 11/17 |

**Final Volume:** 25 mL

| <u>Stock Source</u>                | <u>Base Units</u> | <u>Amount Added</u> |
|------------------------------------|-------------------|---------------------|
| DRO160823C 30W Motor Oil-Valvoline | ug/mL             | 0.2501 g            |
| DRO160823D 40W Motor Oil-Valvoline | ug/mL             | 0.2527 g            |

| <u>Analtes</u>  | <u>CAS</u> | <u>Conc:</u> | <u>ug/mL</u> |
|-----------------|------------|--------------|--------------|
| A 30W Motor Oil |            |              | 10000        |
| A 30W-Motor oil |            |              | 0            |
| A 40W Motor Oil |            |              | 10000        |
| A 40W-Motor oil |            |              | 0            |

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO160823C  
Standard Name: 30W Motor Oil-Valvoline  
Date Prepared: 8/23/2016  
Date Expires: 8/23/2021  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID:

Type: Primary  
BY: Todd C Cooper  
Status: Expired

Comments: Used to make 2nd Source Standard for AK103 method.

---

| Chemical / Solvent Used    | BottleNo | Amt | Units | Exp   |
|----------------------------|----------|-----|-------|-------|
| Valvoline SAE 30 Motor Oil | 8637     |     | mL    | 8/23/ |

Final Volume: mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: ug/mL

A 30W-Motor oil

1

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO160823D  
Standard Name: 40W Motor Oil-Valvoline  
Date Prepared: 8/23/2016  
Date Expires: 8/23/2021  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID:  
Type: Primary  
BY: Todd C Cooper  
Status: Expired  
Comments: Used to Make 2nd Source Standards For Alaska AK103 RRO Method

---

| Chemical / Solvent Used    | BottleNo | Amt | Units | Exp   |
|----------------------------|----------|-----|-------|-------|
| Valvoline SAE 40 Motor Oil | 8638     |     | mL    | 8/23/ |

Final Volume: mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: ug/mL

A 40W-Motor oil

1

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO220105B  
 Standard Name: 8015 CCV-15,000ug/mL + 200 OTP  
 Date Prepared: 1/5/2022  
 Date Expires: 4/30/2023  
 Department: dropr  
 Vendor:  
 Lot Number:  
 Balance ID:  
 Comments: 8015DRO CCV MIX-15,000ug/mL +200 OTP #2 Diesel

Type: Secondary  
 BY: Ann Nebel  
 Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Dichloromethane EC832   | 14647    | 2.6 | mL    | 10/28 |

**Final Volume:** 4 mL

| <u>Stock Source</u>                           | <u>Base Units</u> | <u>Amount Added</u> |
|---|-------------------|---------------------|
| DRO211101A OTP-4000 ug/mL DCM                 | ug/mL             | 0.2 mL              |
| DRO211214C Diesel Fuel #2 50,000 ug/mL in DCM | ug/mL             | 1.2 mL              |

| <u>Analtes</u> | <u>CAS</u> | <u>Conc:</u> | <u>ug/mL</u> |
|----------------|------------|--------------|--------------|
| A #2 Diesel    |            |              | 15000        |
| Diesel Fuel #2 |            |              | 0            |
| A O-Terphenyl  | 84-15-1    |              | 200          |

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO211214C  
Standard Name: Diesel Fuel #2 50,000 ug/mL in DCM  
Date Prepared: 12/14/2021  
Date Expires: 4/30/2023  
Department: dropr  
Vendor: Sigma-Aldrich  
Lot Number: LRAC6316  
Balance ID:  
Comments: Diesel Fuel #2 For CCVs.

Type: Primary  
BY: Ann Nebel  
Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Diesel Fuel No. 2       | 14623    | 1   | mL    | 4/30/ |

Final Volume: mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: ug/mL

Diesel Fuel #2

0

# Certificate of Analysis

Diesel Fuel No. 2

*Certified  
Reference  
Material*

## Description

Product ID UST148  
Lot LRAC6316  
Expiration Date April 2023  
Manufacturing Date April 2020  
Storage Conditions Room Temperature  
Solvent/Matrix DICHLOROMETHANE

ID #: 14623

Opened: \_\_\_\_\_

Diesel Fuel No. 2

Expires: 4/30/2023

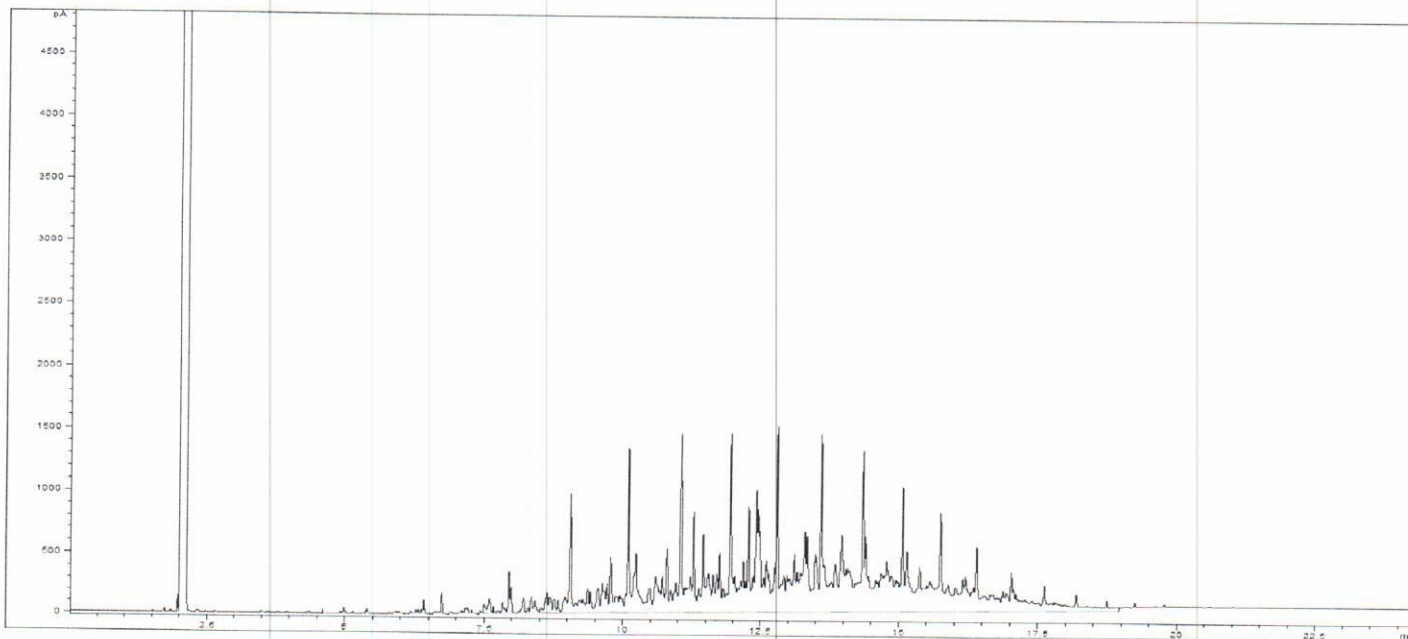
Rec'd: 12/14/2021

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

## Certified Values

| Analyte       | Certified Value <sup>1,4</sup> | Units | Raw Material Purity,% | Raw Material Lot | CAS        |
|---------------|--------------------------------|-------|-----------------------|------------------|------------|
| NO.2 FUEL OIL | 50001 ± 2770                   | µg/mL | 100.0                 | LA80505          | 68476-34-6 |

## Informational Values



## Additional Information:

Analytical Method Parameters:

Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)

Carrier Gas: H<sub>2</sub>, Flow: 4.0 mL/min

Inlet Temperature: 250 °C, Injection Volume: 1.0 µL

Injection Mode: Split, Split Ratio: 10: 1

Temperature Program: 40 °C (Hold 2 min) @ 15 °C/min to 300 °C (Hold 5 min)

Detector: FID

Detector Temperature: 300 °C



**SIGMA-ALDRICH**

2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA  
800-325-5832  
TechService@milliporesigma.com www.sigma-aldrich.com



# Description

Lot **LRAC6316**  
Expiration Date April 2023  
Manufacturing Date April 2020  
Storage Conditions Room Temperature  
Solvent/Matrix DICHLOROMETHANE

**1 Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.  
**4 Ucrm - Uncertainty values** in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a t-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$U_{CRM} = \sqrt{u_{char}^2 + u_{homogeneity}^2 + u_{stability}^2}$$

**k:** Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval = 95%**

**6 Analytical Value-** For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

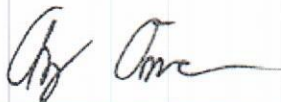
**Traceability:** The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

**Homogeneity:** Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

**THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH ISO/IEC 17025:2017 (ANAB Cert AT-1467) and ISO 17034:2016 (ANAB Cert AR-1470).**



Andy Ommen - QC Manager

Certification Date April 30, 2020  
Version 0-4302020



Mark Pooler - QA Supervisor



# Energy Laboratories Inc

# Spike LOG

Standard ID: DRO211101A  
Standard Name: OTP-4000 ug/mL DCM  
Date Prepared: 11/1/2021  
Date Expires: 9/30/2024  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID: BAL-DRO  
Comments: Used to Prep DRO-8015 ICAL and CCV Solutions

Type: Secondary  
BY: Ann Nebel  
Status: Open

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Dichloromethane EC328   | 14408    | 25  | mL    | 8/19/ |

**Final Volume:** 25 mL

Stock Source

DRO200430B O-Terphenyl

**Base Units**

ug/mL

**Amount Added**

0.1012 g

Analtes

A O-Terphenyl

**CAS**

84-15-1

Conc:

**ug/mL**

4000

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO200430B  
Standard Name: O-Terphenyl  
Date Prepared: 4/30/2020  
Date Expires: 9/30/2024  
Department: dropr  
Vendor: Chemservice  
Lot Number: 9972100  
Balance ID:  
Comments: ID#: 6271

Type: Neat  
BY: Ann Nebel  
Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| o-Terphenyl             | 12650    | 500 | mg    | 9/30/ |

Final Volume: mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: ug/mL

A O-Terphenyl

84-15-1

1

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

## CERTIFICATE OF ANALYSIS

### o-Terphenyl

CATALOG NUMBER N-12693-500MG  
LOT NUMBER 9972100  
DATE CERTIFIED 09/23/19  
EXPIRATION DATE 09/30/24  
CAS NUMBER 84-15-1  
MOLECULAR FORMULA C<sub>18</sub>H<sub>14</sub>  
MOLECULAR WEIGHT 230.32  
STORAGE Store in a cool dry place.  
HANDLING See Safety Data Sheet  
INTENDED USE For laboratory use only.

| Analytical Test    | Value                 |
|--------------------|-----------------------|
| FT-IR SPECTROSCOPY | CONFORMS TO STRUCTURE |
| GC/MS SPECTRA ID   | MATCHES NIST DATABASE |
| MELTING POINT (°C) | 57.1                  |
| % PURITY (GC/FID)  | 99.5                  |

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

*Mary Beth O'Donnell*

Mary Beth O'Donnell  
CSM/TC

ID #: 12650

Opened: \_\_\_\_\_

o-Terphenyl

Expires: 9/30/2024

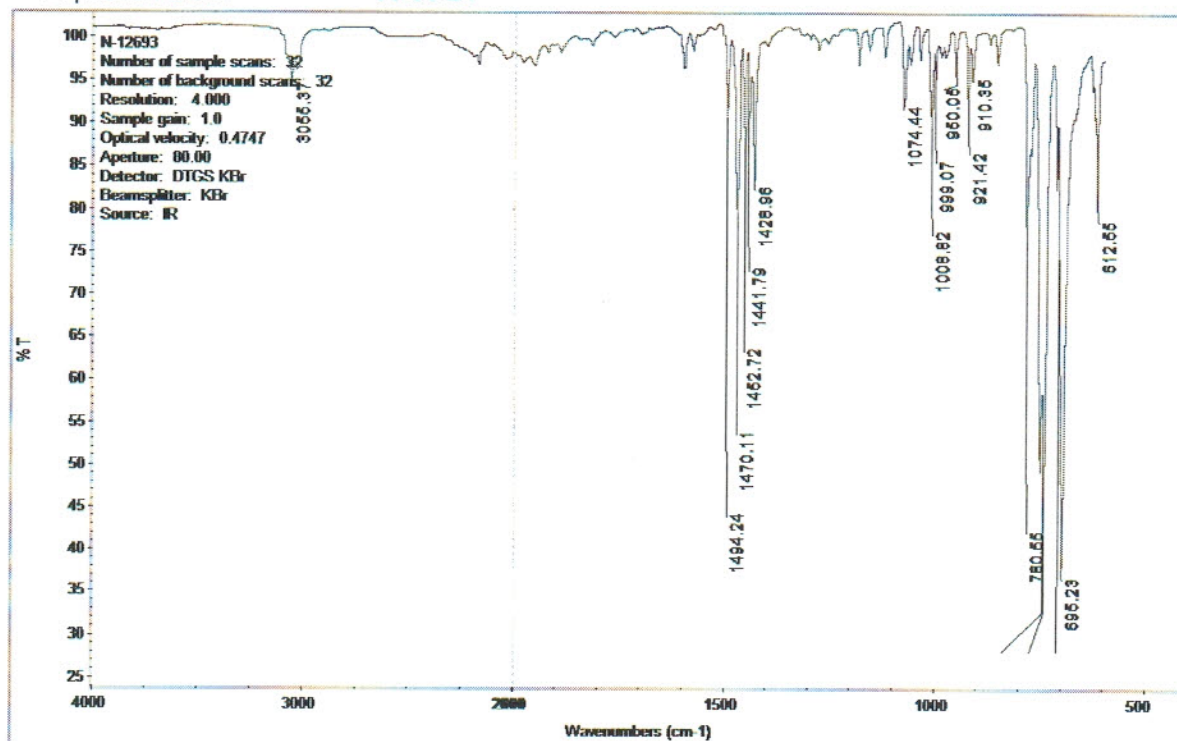
Rec'd: 4/30/2020

Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24



Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015



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## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24  
Chem Service Inc Area Percent Report

Data File: D:\msdchem\2019 DATA\0919\0923-01.D  
Acq On : 23 Sep 2019 10:40  
Operator :  
Sample : n-12693  
Misc :  
ALS Vial : 95

Integration Parameters: autoint1.e  
Integrator: ChemStation

DataAcq Meth: SCREEN.M  
Method : D:\msdchem\2019 DATA\0919\0903-09.D\ERIN.M

Signal : TIC: 0923-01.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 11.844   | 1597       | 1606     | 1613      | BB    | 32038221    | 432253484  | 100.00%      | 100.000%   |

Sum of corrected areas: 432253484

ERIN.M Mon Sep 23 10:55:51 2019

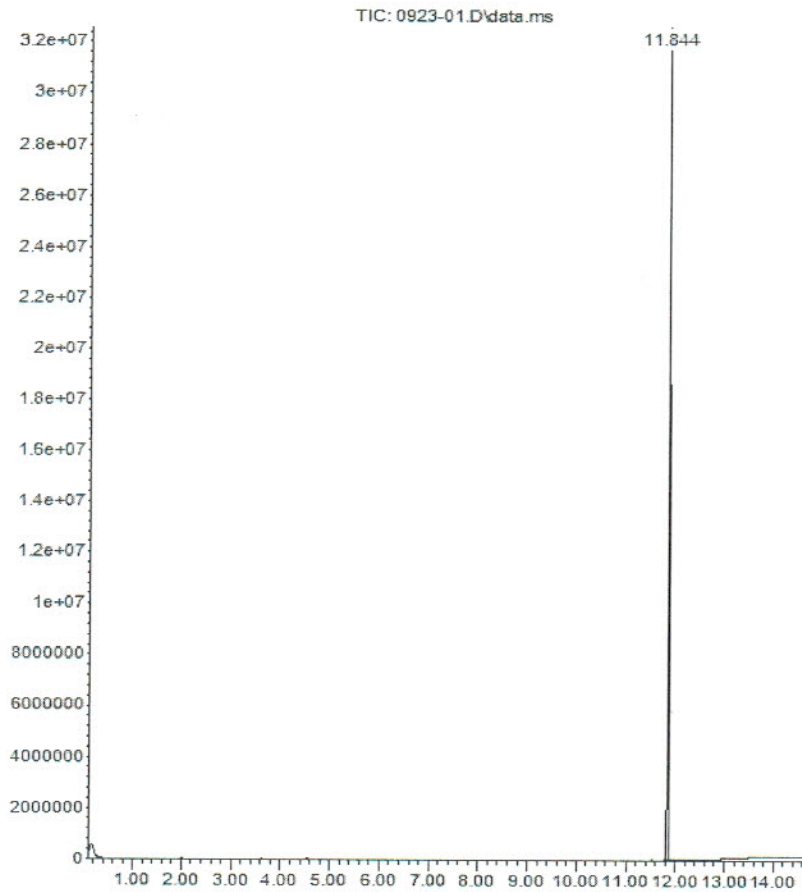
660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

## CERTIFICATE OF ANALYSIS

### Analysis Method:

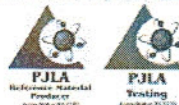
Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24

Abundance



Time-->

Chem. Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015



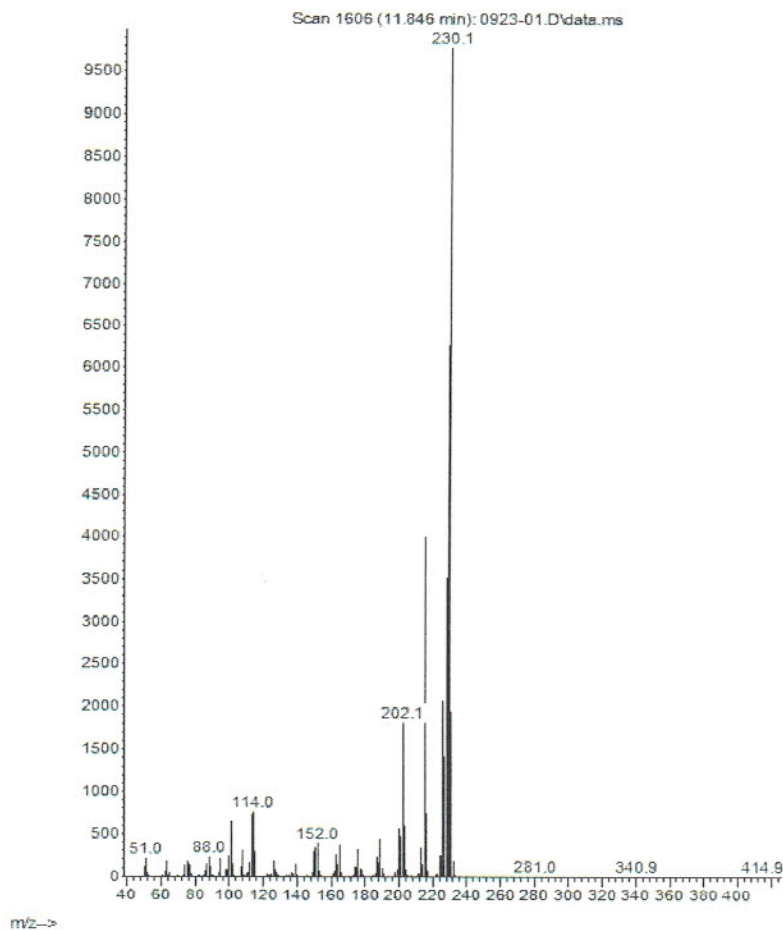
660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599  
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729  
[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24

Abundance



Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015





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[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

## CERTIFICATE OF ANALYSIS

### Analysis Method:

|                  |               |
|------------------|---------------|
| Catalog Number:  | N-12693-500MG |
| Description:     | o-Terphenyl   |
| Lot Number:      | 9972100       |
| Expiration Date: | 09/30/24      |

Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015

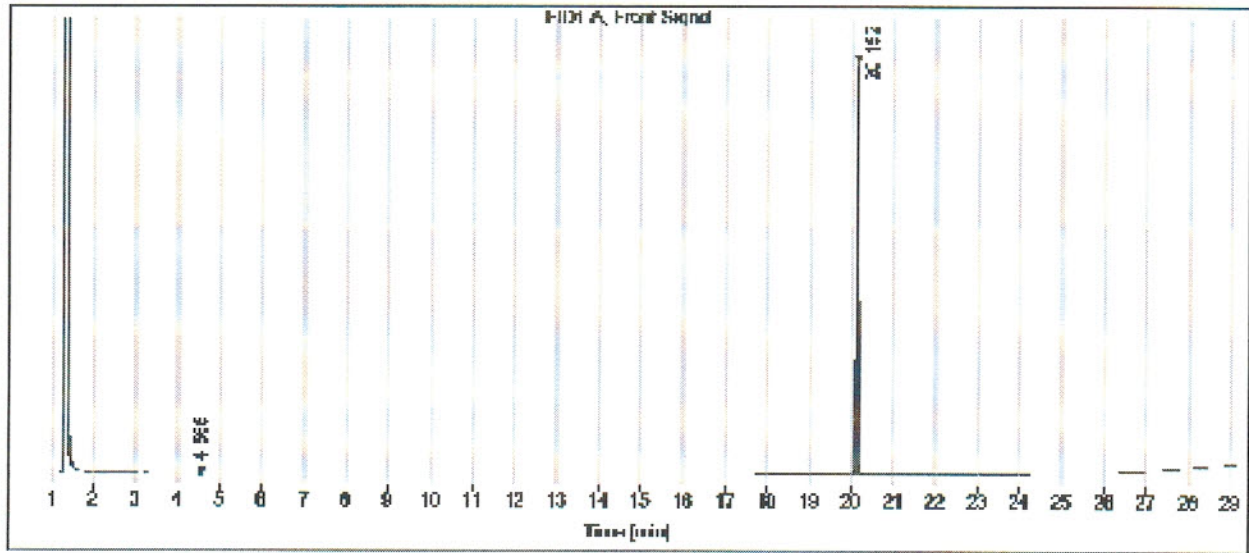


Gas

Data file: C:\CHEM3\  
 Sample name: N-12683  
 Instrument: GC 2  
 Injection date: 9/23/2019 9:58:34 AM  
 Acq. method: SCREEN.M  
 Column name: HP-5

## CERTIFICATE OF ANALYSIS

Sample type:   
 Location: Vial 141  
 Injection volume: 1.0uL



Signal: FID1 A, Front Signal

| RT [min] | Type | Width [min] | Area      | Height   | Area% |
|----------|------|-------------|-----------|----------|-------|
| 4.565    | BB   | 0.0305      | 1.2408    | 0.5122   | 0.11  |
| 20.152   | BB   | 0.0391      | 1171.9556 | 439.4599 | 99.89 |
|          |      | Sum         | 1173.1963 |          |       |

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO220106A  
 Standard Name: 5,000 ug/mL RRO CCV 200 ug/mL Triaconta      Type: Secondary  
 Date Prepared: 1/6/2022      BY: Ann Nebel  
 Date Expires: 4/6/2026  
 Department: dropr      Status: New  
 Vendor:  
 Lot Number:  
 Balance ID: Sartorius 4 place balance  
 Comments: CCV for AK102 and 8015C RRO.

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Dichloromethane EC832   | 14647    | 2.8 | mL    | 10/28 |

**Final Volume:** 4 mL

| <u>Stock Source</u>                                | <u>Base Units</u> | <u>Amount Added</u> |
|--|-------------------|---------------------|
| DRO210401B    50,000 ug/mL Oil Std For AK103 RRO-I | ug/mL             | 400 µL              |
| DRO220105A    Triacontane SURR 1000 ug/mL          | ug/mL             | 800 µL              |

| <u>Analtes</u>        | <u>CAS</u> | <u>Conc:</u> | <u>ug/mL</u> |
|-----------------------|------------|--------------|--------------|
| A    30/40W Motor Oil |            |              | 5000         |
| A    Triacontane-d62  |            |              | 200          |

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO210401B  
Standard Name: 50,000 ug/mL Oil Std For AK103 RRO-In DC  
Date Prepared: 4/1/2021  
Date Expires: 1/31/2028  
Department: dropr  
Vendor: Restek  
Lot Number: A0166827  
Balance ID: Sartorius 4 place balance

Type: Primary  
BY: Ann Nebel  
Status: Open

Comments:

---

| Chemical / Solvent Used               | BottleNo | Amt | Units | Exp   |
|---------------------------------------|----------|-----|-------|-------|
| Residual Range Calibration Standard ( | 13714    | 1   | mL    | 1/31/ |

**Final Volume:** 1 mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: **ug/mL**



# CERTIFIED REFERENCE MATERIAL

110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

## Certificate of Analysis



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 31817 **Lot No.:** A0166827

**Description :** Residual Range Calibration Standard (RCS)  
Residual Range Calib Std (RCS) 50,000µg/mL, Methylene Chloride, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** January 31, 2028 **Storage:** 25°C nominal

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound  | Grav. Conc. (weight/volume) | Expanded Uncertainty (95% C.L.; K=2) |       |             |
|---------------|---|-----------------------------|--------------------------------------|-------|-------------|
| 1             | Motor Oil SAE30 & SAE40 Blend (Pennzoil)<br>CAS # 64742-65-0.F (Lot A0126386)<br>Purity ----% | 50,056.0 µg/mL              | +/- 293.0889                         | µg/mL | Gravimetric |
|               |   |                             | +/- 1,490.7309                       | µg/mL | Unstressed  |
|               |   |                             | +/- 1,589.8634                       | µg/mL | Stressed    |

**Solvent:** Methylene chloride  
CAS # 75-09-2  
Purity 99%

**ID #: 13714**  
Opened: \_\_\_\_\_  
Residual Range Calibration Standard (RCS)  
**Expires: 1/31/2028**  
Rec'd: 4/1/2021  
Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107

**Column:**

30m x 0.25mm x 0.25µm  
Rtx-5 (cat.#10223)

**Carrier Gas:**

hydrogen-constant pressure 10 psi.

**Temp. Program:**

40°C (hold 2 min.) to 330°C  
@ 10°C/min. (hold 10 min.)

**Inj. Temp:**

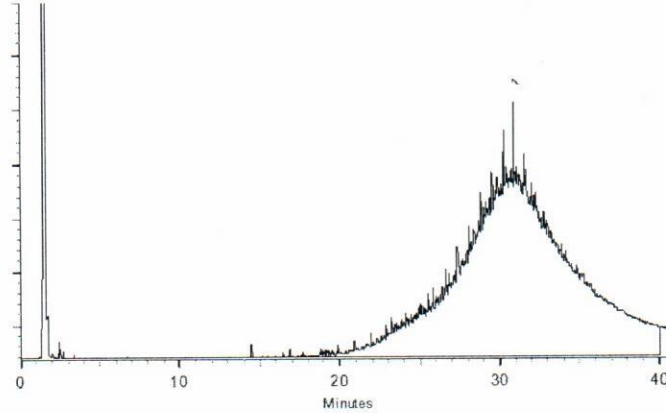
250°C

**Det. Temp:**

330°C

**Det. Type:**

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Kylie Struble*  
Kylie Struble - Operations Technician I

**Date Mixed:** 02-Dec-2020

**Balance:** 1128353505

*Justin Albertson*  
Justin Albertson - Operations Tech-ARM QC

**Date Passed:** 07-Dec-2020

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ $\mu$ ECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us) for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions  | Standard Conditions | Non-Standard Conditions |
|---|---------------------|-------------------------|
| 25°C Nominal (Room Temperature)                           | < 60°C              | ≥ 60°C up to 7 days     |
| 10°C or colder (Refrigerate)                              | < 40°C              | ≥ 40°C up to 7 days     |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C              | ≥ 25°C up to 7 days     |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us).
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.





# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO220105A  
 Standard Name: Triacotane SURR 1000 ug/mL  
 Date Prepared: 1/5/2022  
 Date Expires: 4/6/2026  
 Department: dropr  
 Vendor:  
 Lot Number:  
 Balance ID: BAL-DRO  
 Comments: 2X dilution of Triacotane SURR 2000 ug/mL

Type: Secondary  
 BY: Jillian L Bostwick  
 Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Dichloromethane EC832   | 14647    | 5   | mL    | 10/28 |

**Final Volume:** 10 mL

Stock Source  
 DRO211006A Triacotane SURR 2000 ug/mL

**Base Units**  
 ug/mL

**Amount Added**  
 5 mL

Analtes  
 A Triacotane-d62

**CAS**

Conc: **ug/mL**  
 1000

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO211006A  
Standard Name: Triacontane SURR 2000 ug/mL  
Date Prepared: 10/6/2021  
Date Expires: 4/6/2026  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID: BAL-DRO  
Comments: Triacontane SURR 2000 ug/mL

Type: Secondary  
BY: Jillian L Bostwick  
Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Acetone DZ509           | 13553    | 50  | mL    | 7/22/ |

**Final Volume:** 50 mL

**Stock Source**  
DRO210406A Triacontane-d62 Surr For AK103 RRO

**Base Units**  
ug/mL

**Amount Added**  
0.1001 g

**Analtes**  
A Triacontane-d62

**CAS**

**Conc:** ug/mL  
2000

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Certificate of Analysis

Product Name:  
Triacontane-d62 - 98 atom % D

Product Number: 451789  
 Batch Number: MBBC4347  
 Brand: ALDRICH  
 CAS Number: 93952-07-9  
 MDL Number: MFCD00209794  
 Formula: C30D62  
 Formula Weight: 485.20 g/mol  
 Quality Release Date: 27 APR 2018



ID #: 13736

Opened: \_\_\_\_\_

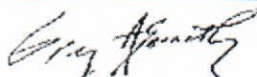
Triacontane-d62-98 atom % D

Expires: 4/6/2026

Rec'd: 4/6/2021

Energy Laboratories Inc 1120 So. 27th Street  
 Billings MT 59107

| Test                  | Specification         | Result   |
|-----------------------|-----------------------|----------|
| Purity (HPLC)         | ≥ 99.0 %              | 99.0 %   |
| Proton NMR Spectrum   | Conforms to Structure | Conforms |
| D Enrichment          | ≥ 98.0 %              | 99.0 %   |
| Initial Melting Point |                       | 60.0 °C  |
| Final Melting Point   |                       | 62.0 °C  |



Greg Abernathy, Supervisor  
 Quality Control  
 Miamisburg, Ohio US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO210902A  
 Standard Name: 50,000 ug/mL Oil Std for RRO-In DCM  
 Date Prepared: 9/2/2021  
 Date Expires: 9/1/2026  
 Department: dropr  
 Vendor:  
 Lot Number:  
 Balance ID: BAL-DRO  
 Comments: .625 g of 30W and 40 W each LCS for Oil range

Type: Secondary  
 BY: Jillian L Bostwick  
 Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Dichloromethane EB867   | 14196    | 25  | mL    | 6/18/ |

**Final Volume:** 25 mL

| <u>Stock Source</u>                | <u>Base Units</u> | <u>Amount Added</u> |
|------------------------------------|-------------------|---------------------|
| DRO210901B 40W Motor Oil-Valvoline | ug/mL             | 0.6261 g            |
| DRO210901A 30W Motor Oil-Valvoline | ug/mL             | 0.6254 g            |

| <u>Analtes</u>  | <u>CAS</u> | <u>Conc:</u> | <u>ug/mL</u> |
|-----------------|------------|--------------|--------------|
| A 30W Motor Oil |            |              | 10000        |
| A 30W-Motor oil |            |              | 0            |
| A 40W Motor Oil |            |              | 10000        |
| A 40W-Motor oil |            |              | 0            |

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO210901B  
Standard Name: 40W Motor Oil-Valvoline  
Date Prepared: 9/1/2021  
Date Expires: 9/1/2026  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID:  
Type: Primary  
BY: Jillian L Bostwick  
Status: New  
Comments: Used to Make 2nd Source Standards For Alaska AK103 RRO Method and Oil

---

| Chemical / Solvent Used    | BottleNo | Amt | Units | Exp      |
|----------------------------|----------|-----|-------|----------|
| Valvoline SAE 40 Motor Oil | 14231    |     | mL    | 9/1/2026 |

Final Volume: mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: ug/mL

A 40W-Motor oil

1

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO210901A  
Standard Name: 30W Motor Oil-Valvoline  
Date Prepared: 9/1/2021  
Date Expires: 9/1/2026  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID:  
Type: Primary  
BY: Jillian L Bostwick  
Status: New  
Comments: Used to make 2nd Source Standard for AK103 method.

---

| Chemical / Solvent Used    | BottleNo | Amt | Units | Exp      |
|----------------------------|----------|-----|-------|----------|
| Valvoline SAE 30 Motor Oil | 14232    |     | mL    | 9/1/2026 |

Final Volume: mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: ug/mL

A 30W-Motor oil

1

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO211220D  
Standard Name: Triacotane SURR 1000 ug/mL  
Date Prepared: 12/20/2021  
Date Expires: 4/6/2026  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID: BAL-DRO  
Comments: 2X dilution of Triacotane SURR 2000 ug/mL

Type: Secondary  
BY: Jillian L Bostwick  
Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Dichloromethane EC757   | 14596    | 5   | mL    | 10/20 |

**Final Volume:** 10 mL

**Stock Source**  
DRO211006A Triacotane SURR 2000 ug/mL

**Base Units**  
ug/mL

**Amount Added**  
5 mL

**Analtes**  
A Triacotane-d62

**CAS**

**Conc:** ug/mL  
1000

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO211006A  
Standard Name: Triacontane SURR 2000 ug/mL  
Date Prepared: 10/6/2021  
Date Expires: 4/6/2026  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID: BAL-DRO  
Comments: Triacontane SURR 2000 ug/mL

Type: Secondary  
BY: Jillian L Bostwick  
Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Acetone DZ509           | 13553    | 50  | mL    | 7/22/ |

**Final Volume:** 50 mL

**Stock Source**  
DRO210406A Triacontane-d62 Surr For AK103 RRO

**Base Units**  
ug/mL

**Amount Added**  
0.1001 g

**Analtes**  
A Triacontane-d62

**CAS**

Conc: **ug/mL**  
2000



# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO210406A  
Standard Name: Triacontane-d62 Surr For AK103 RRO  
Date Prepared: 4/6/2021  
Date Expires: 4/6/2026  
Department: dropr  
Vendor: Sigma-Aldrich  
Lot Number: MBBC4347  
Balance ID:  
Comments: Alaska surr [for AK103 RRO]

Type: Neat  
BY: Ann Nebel  
Status: New

---

| Chemical / Solvent Used     | BottleNo | Amt | Units | Exp      |
|-----------------------------|----------|-----|-------|----------|
| Triacontane-d62-98 atom % D | 13736    |     | mL    | 4/6/2026 |

Final Volume: mL

Stock Source

Base Units

Amount Added

Analtes

CAS

Conc: ug/mL

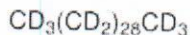
A Triacontane-d62

3050 Spruce Street, Saint Louis, MO 63103, USA  
 Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)  
 Email USA: [techserv@sial.com](mailto:techserv@sial.com)  
 Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Certificate of Analysis

Product Name:  
 Triacontane-d62 - 98 atom % D

Product Number: 451789  
 Batch Number: MBBC4347  
 Brand: ALDRICH  
 CAS Number: 93952-07-9  
 MDL Number: MFCD00209794  
 Formula: C30D62  
 Formula Weight: 485.20 g/mol  
 Quality Release Date: 27 APR 2018



ID #: 13736

Opened: \_\_\_\_\_

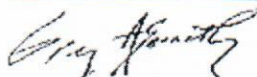
Triacontane-d62-98 atom % D

Expires: 4/6/2026

Rec'd: 4/6/2021

Energy Laboratories Inc 1120 So. 27th Street  
 Billings MT 59107

| Test                  | Specification         | Result   |
|-----------------------|-----------------------|----------|
| Purity (HPLC)         | ≥ 99.0 %              | 99.0 %   |
| Proton NMR Spectrum   | Conforms to Structure | Conforms |
| D Enrichment          | ≥ 98.0 %              | 99.0 %   |
| Initial Melting Point |                       | 60.0 °C  |
| Final Melting Point   |                       | 62.0 °C  |



Greg Abernathy, Supervisor  
 Quality Control  
 Miamisburg, Ohio US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO220105A  
Standard Name: Triacontane SURR 1000 ug/mL  
Date Prepared: 1/5/2022  
Date Expires: 4/6/2026  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID: BAL-DRO  
Comments: 2X dilution of Triacontane SURR 2000 ug/mL

Type: Secondary  
BY: Jillian L Bostwick  
Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Dichloromethane EC832   | 14647    | 5   | mL    | 10/28 |

**Final Volume:** 10 mL

Stock Source  
DRO211006A Triacontane SURR 2000 ug/mL

**Base Units**  
ug/mL

**Amount Added**  
5 mL

Analvtes  
A Triacontane-d62

**CAS**

Conc: **ug/mL**  
1000

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO211006A  
Standard Name: Triacontane SURR 2000 ug/mL  
Date Prepared: 10/6/2021  
Date Expires: 4/6/2026  
Department: dropr  
Vendor:  
Lot Number:  
Balance ID: BAL-DRO  
Comments: Triacontane SURR 2000 ug/mL

Type: Secondary  
BY: Jillian L Bostwick  
Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Acetone DZ509           | 13553    | 50  | mL    | 7/22/ |

**Final Volume:** 50 mL

Stock Source  
DRO210406A Triacontane-d62 Surr For AK103 RRO

**Base Units**  
ug/mL

**Amount Added**  
0.1001 g

Analtes  
A Triacontane-d62

**CAS**

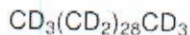
Conc: **ug/mL**  
2000

3050 Spruce Street, Saint Louis, MO 63103, USA  
 Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)  
 Email USA: [techserv@sial.com](mailto:techserv@sial.com)  
 Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Certificate of Analysis

Product Name:  
 Triacontane-d62 - 98 atom % D

Product Number: 451789  
 Batch Number: MBBC4347  
 Brand: ALDRICH  
 CAS Number: 93952-07-9  
 MDL Number: MFCD00209794  
 Formula: C30D62  
 Formula Weight: 485.20 g/mol  
 Quality Release Date: 27 APR 2018



ID #: 13736

Opened: \_\_\_\_\_

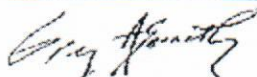
Triacontane-d62-98 atom % D

Expires: 4/6/2026

Rec'd: 4/6/2021

Energy Laboratories Inc 1120 So. 27th Street  
 Billings MT 59107

| Test                  | Specification         | Result   |
|-----------------------|-----------------------|----------|
| Purity (HPLC)         | ≥ 99.0 %              | 99.0 %   |
| Proton NMR Spectrum   | Conforms to Structure | Conforms |
| D Enrichment          | ≥ 98.0 %              | 99.0 %   |
| Initial Melting Point |                       | 60.0 °C  |
| Final Melting Point   |                       | 62.0 °C  |



Greg Abernathy, Supervisor  
 Quality Control  
 Miamisburg, Ohio US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO211213A  
 Standard Name: OTP only SURR 2000 ug/mL  
 Date Prepared: 12/13/2021  
 Date Expires: 9/30/2024  
 Department: dropr  
 Vendor:  
 Lot Number:  
 Balance ID: BAL-DRO  
 Comments: OTP SURR 2000 ug/mL

Type: Secondary  
 BY: Jillian L Bostwick  
 Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| Acetone DZ509           | 13553    | 100 | mL    | 7/22/ |

**Final Volume:** 100 mL

**Stock Source**

DRO200430B O-Terphenyl

**Base Units**

ug/mL

**Amount Added**

0.2015 g

**Analtes**

A 1-Chlorooctadecane

**CAS**

3386-33-2

Conc:

**ug/mL**

2000

# Energy Laboratories Inc

# Standard LOG

Standard ID: DRO200430B  
Standard Name: O-Terphenyl  
Date Prepared: 4/30/2020  
Date Expires: 9/30/2024  
Department: dropr  
Vendor: Chemservice  
Lot Number: 9972100  
Balance ID:  
Comments: ID#: 6271

Type: Neat  
BY: Ann Nebel  
Status: New

---

| Chemical / Solvent Used | BottleNo | Amt | Units | Exp   |
|-------------------------|----------|-----|-------|-------|
| o-Terphenyl             | 12650    | 500 | mg    | 9/30/ |

Final Volume: mL

Stock Source

**Base Units**

**Amount Added**

Analtes

**CAS**

Conc: ug/mL

A O-Terphenyl

84-15-1

1

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## CERTIFICATE OF ANALYSIS

### o-Terphenyl

CATALOG NUMBER N-12693-500MG  
LOT NUMBER 9972100  
DATE CERTIFIED 09/23/19  
EXPIRATION DATE 09/30/24  
CAS NUMBER 84-15-1  
MOLECULAR FORMULA C<sub>18</sub>H<sub>14</sub>  
MOLECULAR WEIGHT 230.32  
STORAGE Store in a cool dry place.  
HANDLING See Safety Data Sheet  
INTENDED USE For laboratory use only.

| Analytical Test    | Value                 |
|--------------------|-----------------------|
| FT-IR SPECTROSCOPY | CONFORMS TO STRUCTURE |
| GC/MS SPECTRA ID   | MATCHES NIST DATABASE |
| MELTING POINT (°C) | 57.1                  |
| % PURITY (GC/FID)  | 99.5                  |

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

*Mary Beth O'Donnell*

Mary Beth O'Donnell  
CSM/TC

ID #: 12650

Opened: \_\_\_\_\_

o-Terphenyl

Expires: 9/30/2024

Rec'd: 4/30/2020

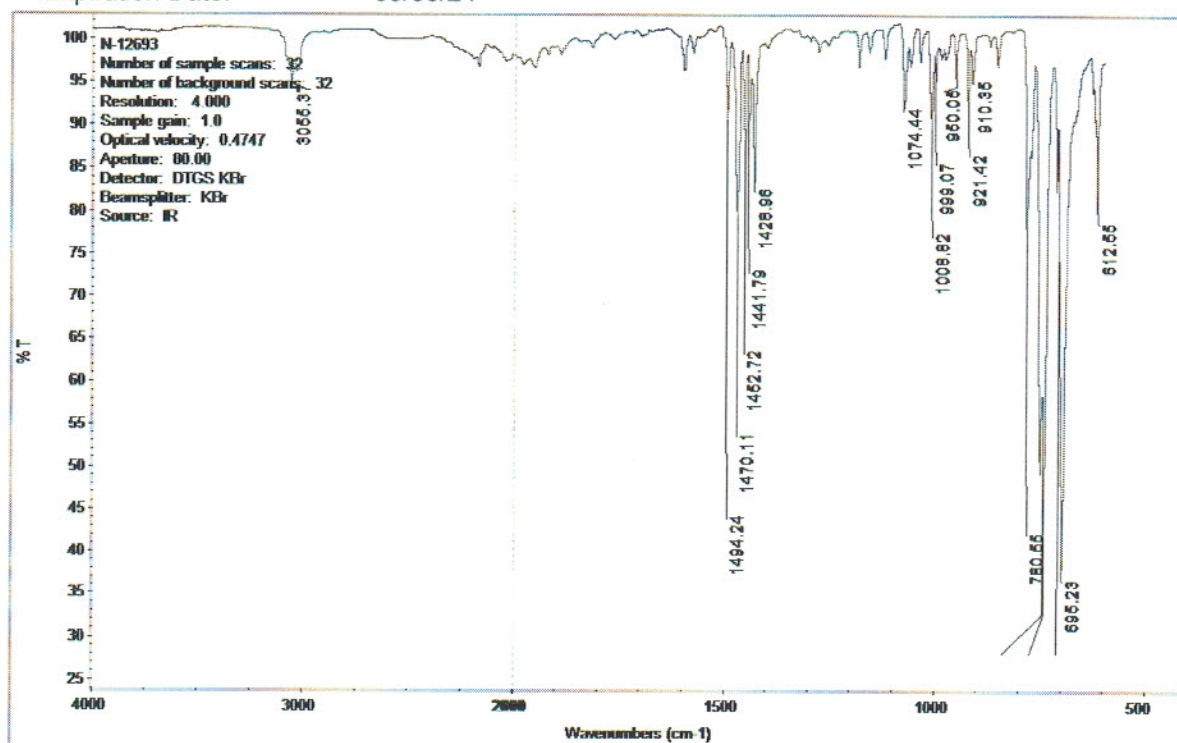
Energy Laboratories Inc 1120 So. 27th Street  
Billings MT 59107



## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24



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[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24  
Chem Service Inc Area Percent Report

Data File: D:\msdchem\2019 DATA\0919\0923-01.D  
Acq On : 23 Sep 2019 10:40  
Operator :  
Sample : n-12693  
Misc :  
ALS Vial : 95

Integration Parameters: autoint1.e  
Integrator: ChemStation

DataAcq Meth: SCREEN.M  
Method : D:\msdchem\2019 DATA\0919\0903-09.D\ERIN.M

Signal : TIC: 0923-01.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 11.844   | 1597       | 1606     | 1613      | BB    | 32038221    | 432253484  | 100.00%      | 100.000%   |

Sum of corrected areas: 432253484

ERIN.M Mon Sep 23 10:55:51 2019

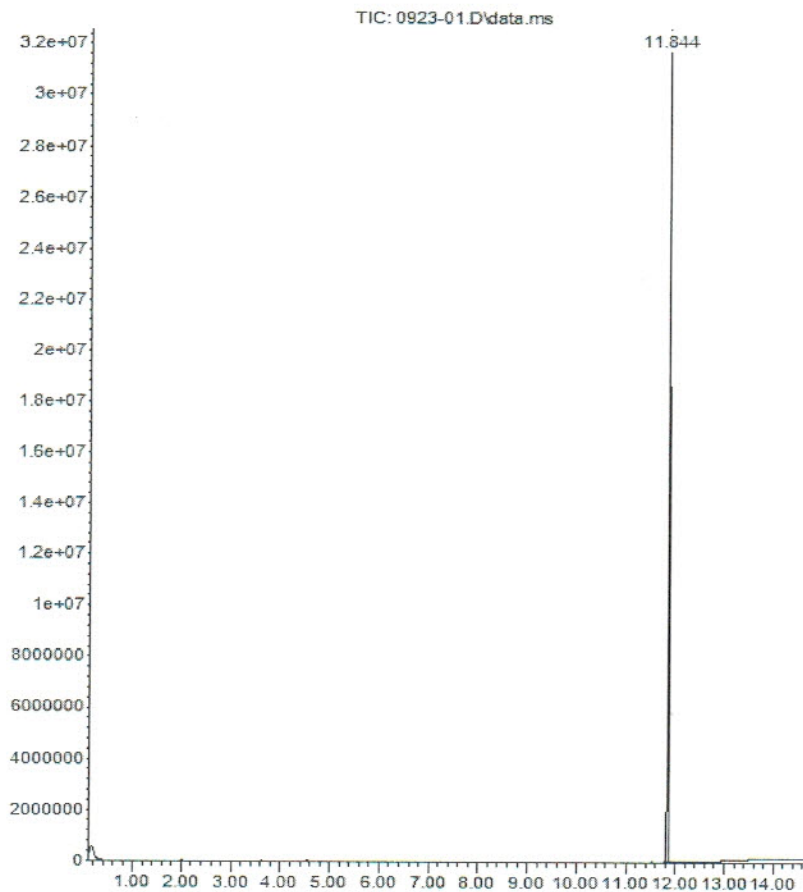
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## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
Lot Number: 9972100  
Expiration Date: 09/30/24

Abundance



Time-->

Chem. Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015



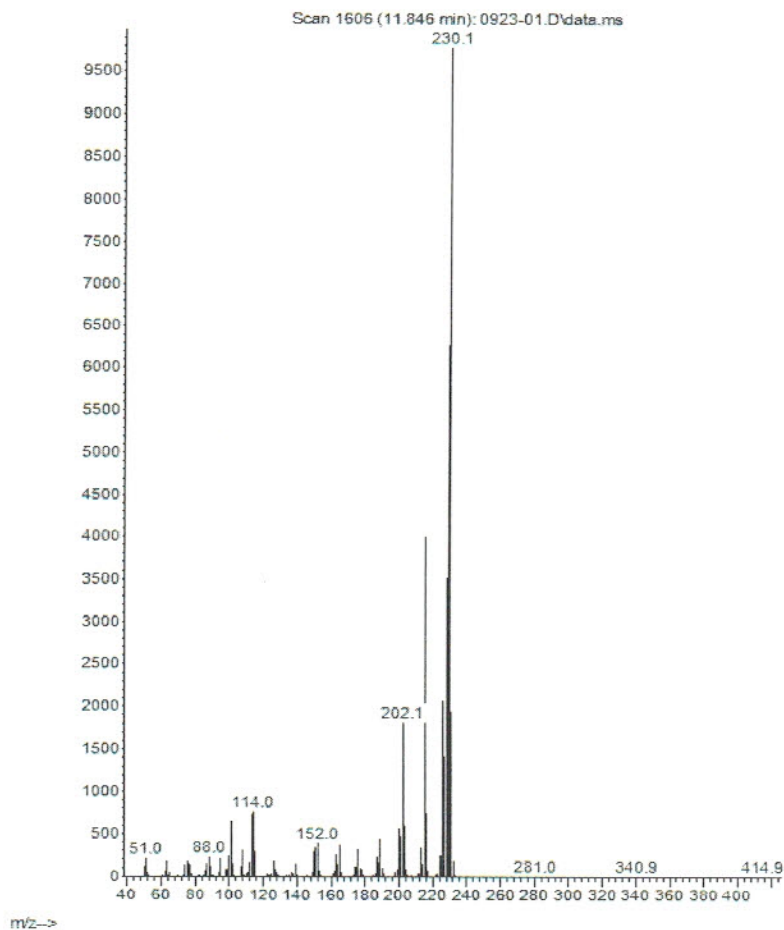
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## CERTIFICATE OF ANALYSIS

### Analysis Method:

Catalog Number: N-12693-500MG  
Description: o-Terphenyl  
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Expiration Date: 09/30/24

Abundance



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## CERTIFICATE OF ANALYSIS

### Analysis Method:

|                  |               |
|------------------|---------------|
| Catalog Number:  | N-12693-500MG |
| Description:     | o-Terphenyl   |
| Lot Number:      | 9972100       |
| Expiration Date: | 09/30/24      |

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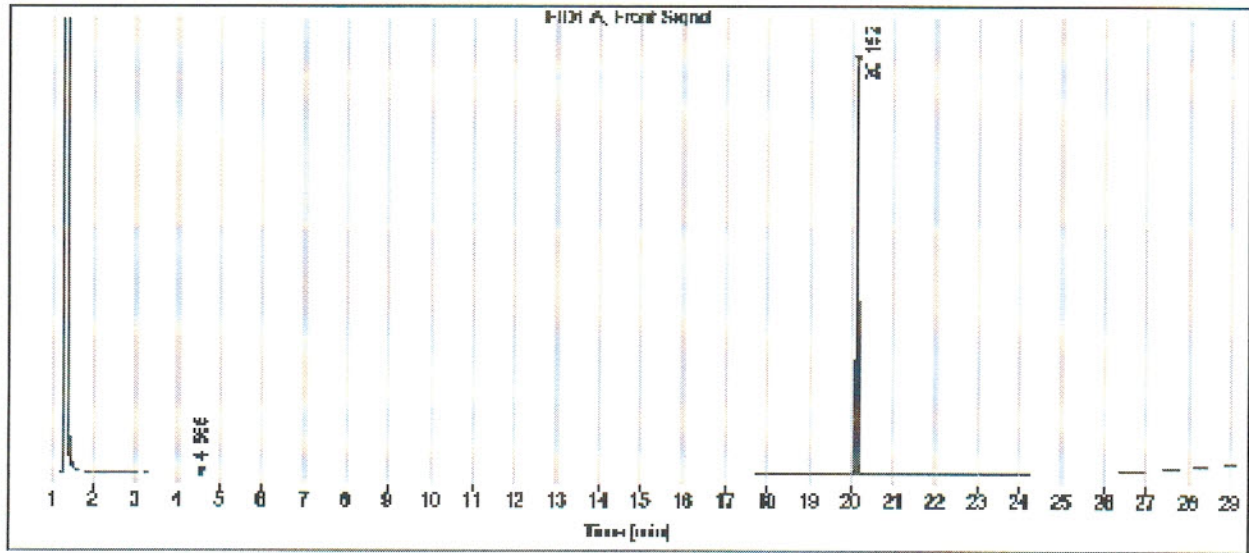
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[info@chemservice.com](mailto:info@chemservice.com) • [www.chemservice.com](http://www.chemservice.com)

Gas

Data file: C:\CHEM3\  
 Sample name: N-12693  
 Instrument: GC 2  
 Injection date: 9/23/2019 9:58:34 AM  
 Acq. method: SCREEN.M  
 Column name: HP-5

## CERTIFICATE OF ANALYSIS

Sample type:   
 Location: Vial 141  
 Injection volume: 1.0uL



Signal: FID1 A, Front Signal

| RT [min] | Type | Width [min] | Area      | Height   | Area% |
|----------|------|-------------|-----------|----------|-------|
| 4.565    | BB   | 0.0305      | 1.2408    | 0.5122   | 0.11  |
| 20.152   | BB   | 0.0391      | 1171.9556 | 439.4599 | 99.89 |
|          |      | Sum         | 1173.1963 |          |       |

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